

S.S. 78 "SARNANO - AMANDOLA"

LAVORI DI ADEGUAMENTO E/O MIGLIORAMENTO TECNICO FUNZIONALE DELLA SEZIONE STRADALE IN T.S. E POTENZIAMENTO DELLE INTERSEZIONI - 2° STRALCIO

PROGETTO DEFINITIVO

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N. ELABORATO: G102	CAPITOLO G – PROGETTO STRUTTURALE CAPITOLO G1 – VIADOTTO VI.01 Relazione di calcolo sottostrutture
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A	EMISSIONE		OTTOBRE 2023	M. PALMIERI	M. SANTONI F. FORLANI
REV.	DESCRIZIONE		DATA	REDATTO	VERIFICATO APPROVATO

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1. PREMESSA

1.1. SCOPO

La presente relazione di calcolo, redatta in ottemperanza alle Leggi vigenti in materia (in particolare DM 14.01.2018 – Aggiornamento delle “Norme tecniche per le costruzioni”), si pone l’obbiettivo di definire le caratteristiche delle sottostrutture relative alle opere d’arte maggiori per il progetto definitivo del 2° stralcio dei lavori di adeguamento e/o miglioramento tecnico funzionale della sezione stradale in T.S. e potenziamento delle intersezioni lungo la S.S. n. 78 “Picena” Sarnano – Amandola (Lotto 2).

I lavori in oggetto rientrano tra le iniziative del PNC – PNRR: Piano Nazionale Complementare al Piano Nazionale di Ripresa e Resilienza nei territori colpiti dal sisma 2009-2016, Sub-misura A4, “Investimenti sulla rete stradale statale.

Nella presente relazione vengono esaminati e sviluppati i seguenti aspetti relativi alle sottostrutture:

- Verifiche strutturali stati limite ultimi e di esercizio;
- Verifiche geotecniche fondazioni stati limite ultimi e di esercizio.

Si precisa che lo studio dell’impalcato e le relative verifiche sono riportate nella relazione specifica.

Si esegue la verifica per la pila 1 e la pila 2; per la pila 3 valgono le verifiche condotte per la pila 2 che ha le medesime caratteristiche ed è più alta.

La spalla B è la spalla più alta fra le due del viadotto e per la palificata di fondazione presenta la stratigrafia più sfavorevole, quindi i calcoli eseguiti, a favore di sicurezza, si ritengono validi anche per la spalla A.

2. DESCRIZIONE DELLE OPERE

2.1. GENERALITÀ

L'opera in oggetto, denominata VI01, è costituita da un viadotto di lunghezza pari a 200 m. L'impalcato è di tipo bitrave a sezione composta acciaio-calcestruzzo. L'opera presenta il seguente scan di luci: 45-55-55-45 m.

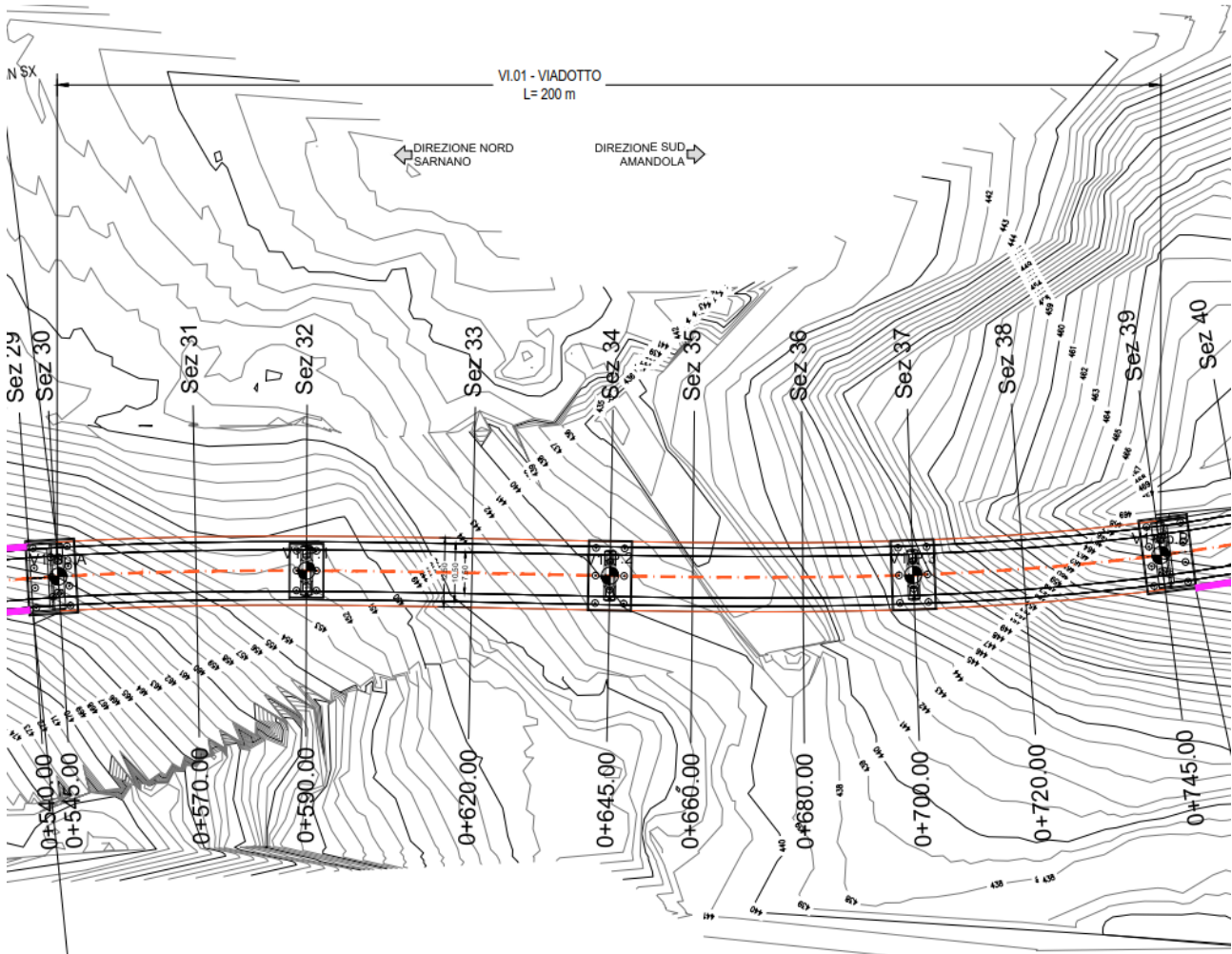


Figura 2-1 Planimetria VI01

Le pile saranno in ca a sezione piena, aventi le seguenti altezze, considerate a partire dallo spiccatto di fondazione fino alla sommità del pulvino:

- Pila 1: 10.50 m
- Pila 2: 24.00 m
- Pila 3: 18.00 m

La sezione caratteristica del fusto ha dimensioni approssimative in pianta di circa 4.50 m x 2.00 m.

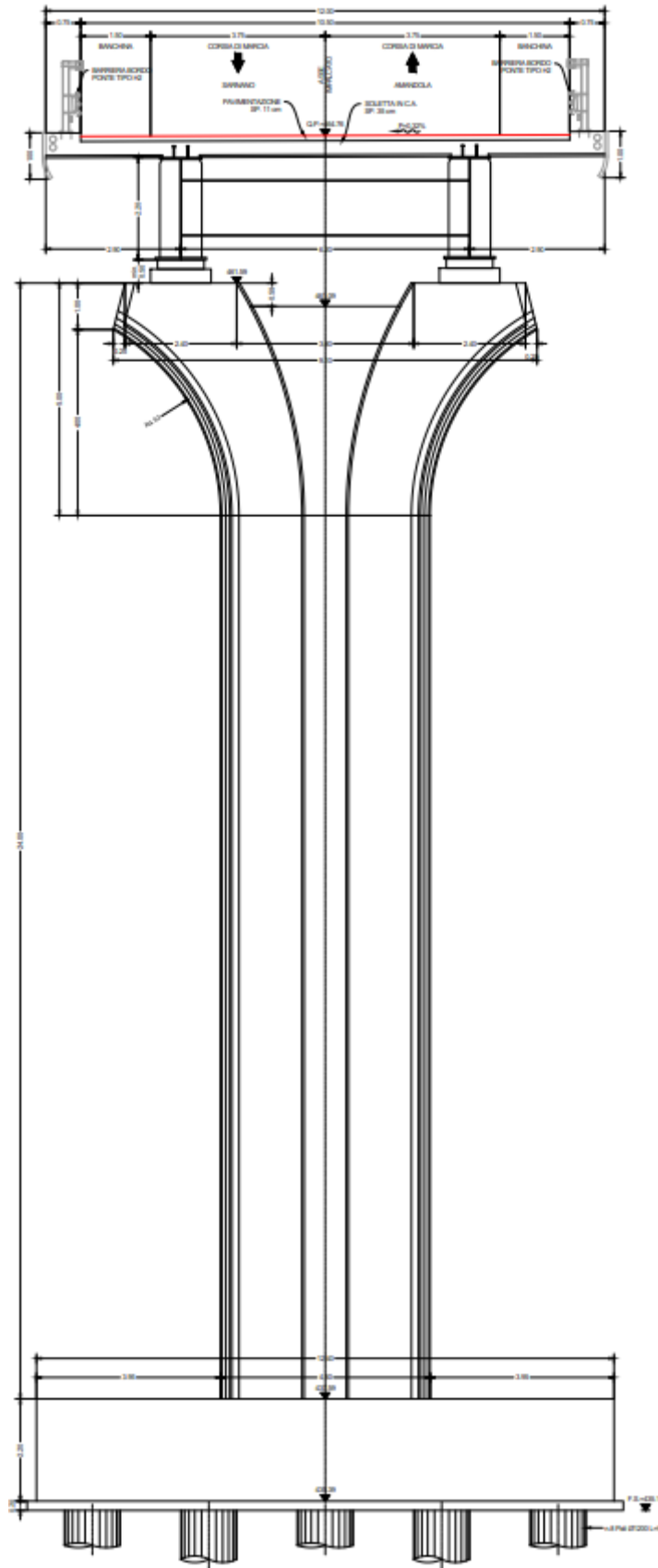


Figura 2-2 Tipologico pila viadotto VI01

Le fondazioni della pila 1 saranno costituite da 6 pali $\phi 1200$ mm di lunghezza variabile, disposti ad interassi di 3.60 m. Il plinto di fondazione avrà un'altezza pari a 2.20 m e dimensioni planimetriche di 6.00 x 3.60 m. Le fondazioni della pila 2 e 3 avranno dimensioni in pianta pari a 7.60x12.40 m

La spalla A, lato Sarnano è caratterizzata da un'altezza a partire dallo spiccato fino alla base dei baggioli di circa 4.50 m. Il muro principale sarà caratterizzato da uno spessore pari a 2.80 m e risulterà arretrato rispetto al filo esterno di fondazione di circa 2.10 m.

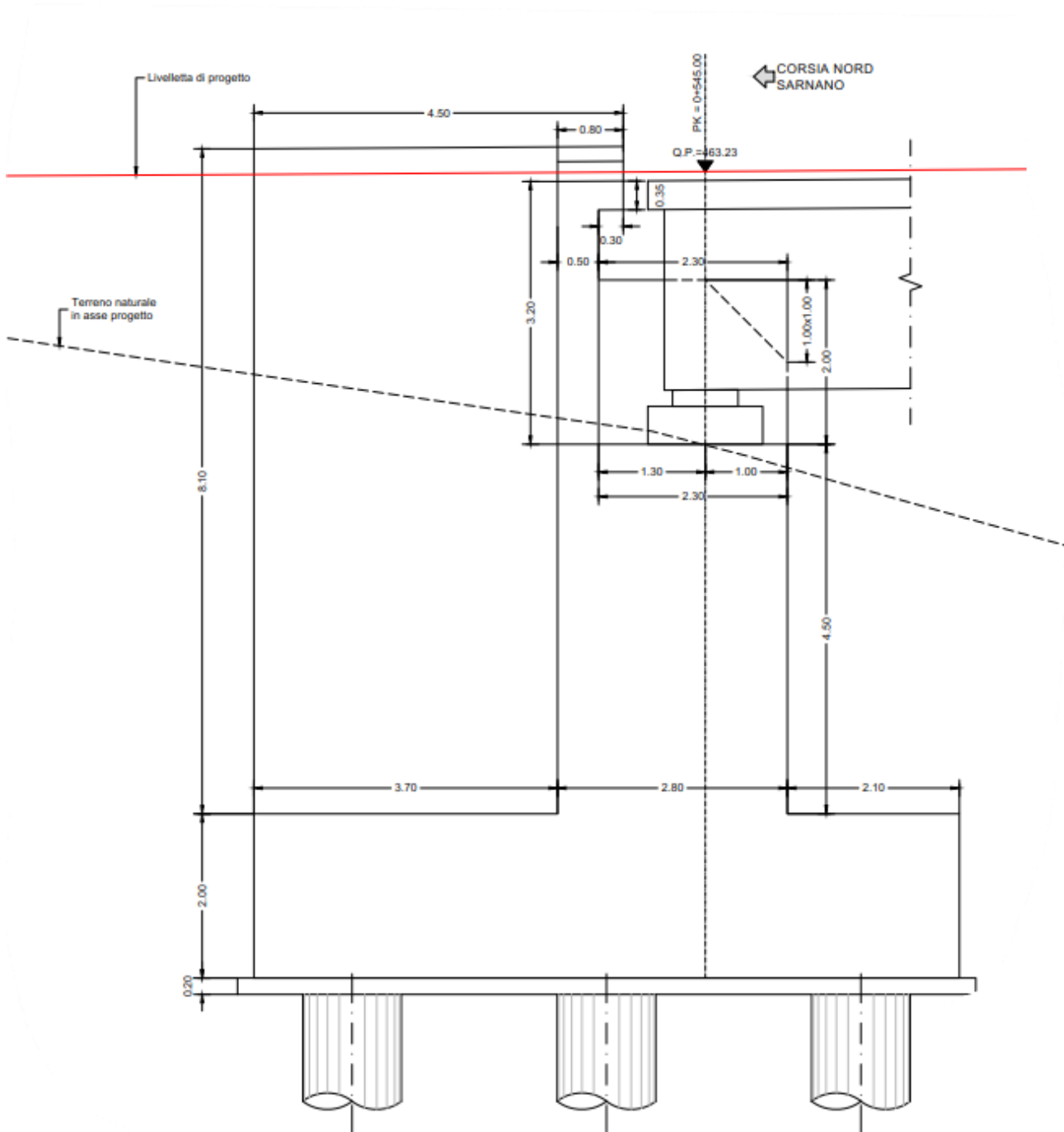


Figura 2-3 Sezione trasversale spalla A lato Sarnano

La fondazione ha un'altezza di 2.00 m e dimensioni in pianta di 13.20 m x 8.60 m. Sono presenti due muri andatori laterali a tutta altezza aventi spessore pari a 75. In fondazione sono previsti 11 pali $\phi 1200$ posti anch'essi ad interassi pari a 3.60 m.

Il muro paraghiaia raggiunge un'altezza di circa 2.90 m a partire dal piano di appoggio, ed ha uno spessore di 50 cm.

La spalla B, lato Amandola è costituita in maniera analoga alla spalla A sopra descritta, ad eccezione dell'altezza, la quale risulta essere pari a 6.00 m.

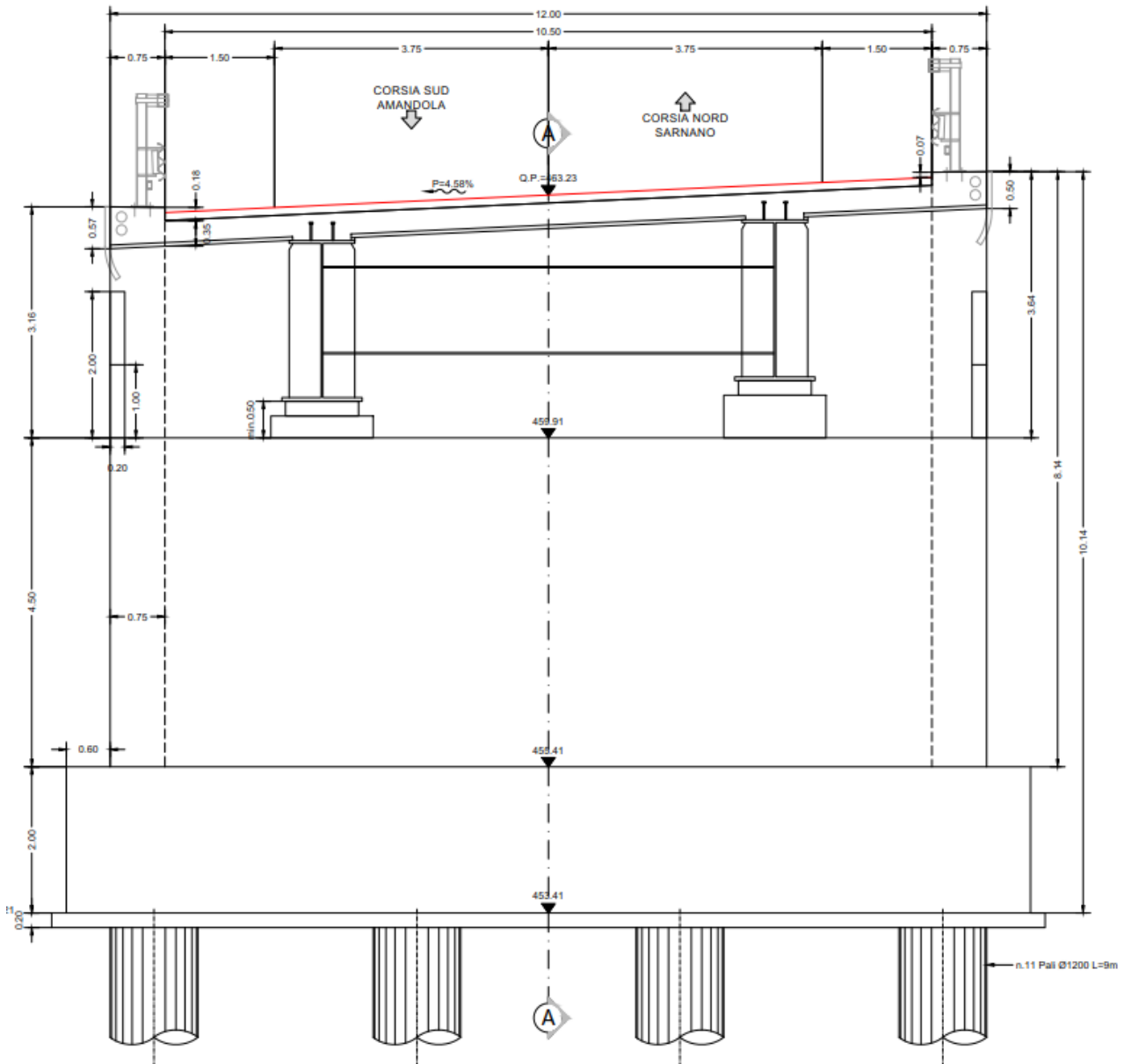


Figura 2-4 Vista frontale spalla A lato Sarnano

Il collegamento tra sottostrutture ed impalcato avviene mediante un sistema di isolamento costituito da isolatori di tipo "friction pendulum".

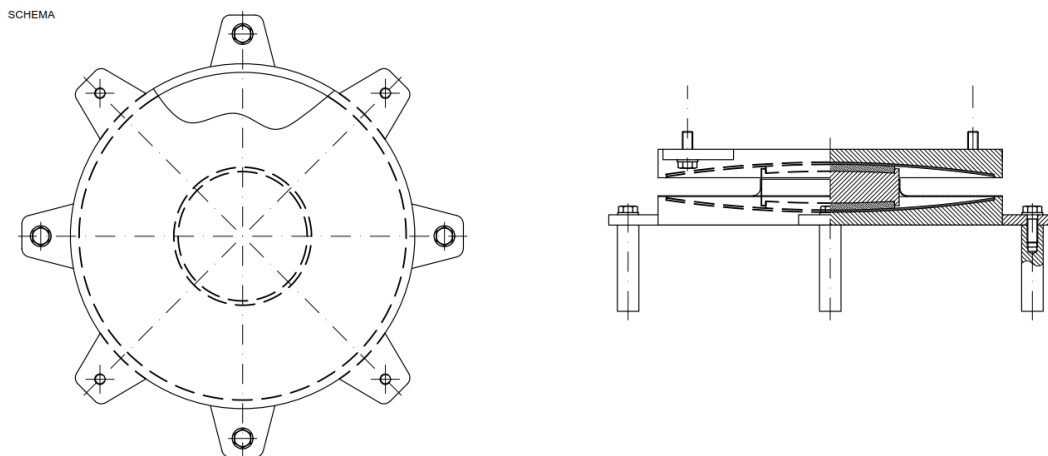


Figura 2-5 Dettagli isolatori a doppia superficie di scorrimento

2.2. VITA NOMINALE, CLASSE D'USO E PERIODO DI RIFERIMENTO

La vita nominale V_N dell'opera corrisponde al numero di anni nella quale la struttura, purché soggetta a manutenzione ordinaria, deve poter essere utilizzata per lo scopo al quale è destinata.

Con riferimento a quanto indicato al cap.2.4 delle NTC è stato assunto:

VITA NOMINALE (V_N): 50 anni

Tipi di costruzione		Vita Nominale V_N (in anni)
1	Opere provvisorie – Opere provvisionali - Strutture in fase costruttiva	≤ 10
2	Opere ordinarie, ponti, opere infrastrutturali e dighe di dimensioni contenute o di importanza normale	≥ 50
3	Grandi opere, ponti, opere infrastrutturali e dighe di grandi dimensioni o di importanza	≥ 100

Tabella 1 Definizione della vita nominale per alcune costruzioni

Riguardo la classe d'uso, è stata assunta la seguente classe:

CLASSE D'USO (C_U): IV ($C_U=2.00$)

<i>Classe I:</i>	Costruzioni con presenza solo occasionale di persone, edifici agricoli.
<i>Classe II:</i>	Costruzioni il cui uso preveda normali affollamenti, senza contenuti pericolosi per l'ambiente e senza funzioni pubbliche e sociali essenziali. Industrie con attività non pericolose per l'ambiente. Ponti, opere infrastrutturali, reti viarie non ricadenti in <i>Classe d'uso III</i> o in <i>Classe d'uso IV</i> , reti ferroviarie la cui interruzione non provochi situazioni di emergenza. Dighe il cui collasso non provochi conseguenze rilevanti.
<i>Classe III:</i>	Costruzioni il cui uso preveda affollamenti significativi. Industrie con attività pericolose per l'ambiente. Reti viarie extraurbane non ricadenti in <i>Classe d'uso IV</i> . Ponti e reti ferroviarie la cui interruzione provochi situazioni di emergenza. Dighe rilevanti per le conseguenze di un loro eventuale collasso.
<i>Classe IV:</i>	Costruzioni con funzioni pubbliche o strategiche importanti, anche con riferimento alla gestione della protezione civile in caso di calamità. Industrie con attività particolarmente pericolose per l'ambiente. Reti viarie di tipo A o B, di cui al D.M. 5 novembre 2001, n. 6792, "Norme funzionali e geometriche per la costruzione delle strade", e di tipo C quando appartenenti ad itinerari di collegamento tra capoluoghi di provincia non altresì serviti da strade di tipo A o B. Ponti e reti ferroviarie di importanza critica per il mantenimento delle vie di comunicazione, particolarmente dopo un evento sismico. Dighe connesse al funzionamento di acquedotti e a impianti di produzione di energia elettrica.

Tabella 2 Classi d'uso secondo NTC

CLASSE D'USO	I	II	III	IV
COEFFICIENTE C_U	0.7	1	1.5	2

Tabella 3 Coefficienti d'uso in funzione della classe d'uso prevista

Dai parametri sopra riportati è possibile ricavare il periodo di riferimento:

PERIODO DI RIFERIMENTO ($V_R = V_N \times C_U$) 100 anni

3. RIFERIMENTI NORMATIVI

3.1. NORMATIVA DI RIFERIMENTO

- Decreto Ministeriale 17.01.2018 - Aggiornamento delle Norme tecniche per le costruzioni
- Consiglio Superiore dei Lavori Pubblici - Istruzioni per l'applicazione delle "Norme tecniche per le costruzioni" di cui al D.M. 14 gennaio 2008. Circolare 2 febbraio 2009
- Eurocodice 2 (1992), Progettazione delle strutture in calcestruzzo;
- Eurocodice 7 (1997) "Progettazione geotecnica"
- Eurocodice 8 (1998) "Progettazione delle strutture per la resistenza sismica"

3.2. ELABORATI DI RIFERIMENTO

CAPITOLO B1 – GEOTECNICA

- T00GE00GETRE01A Relazione geotecnica
- T00GE00GETFG01A Profilo geotecnico
- T00GE00GETSZ01A Sezioni litotecniche

CAPITOLO B2 – SISMICA

- T00GE00GETRE02A Relazione sismica

CAPITOLO G2 – VIADOTTO VI.01

- T02VI01STRE01A Relazione di calcolo impalcato
- T02VI01STRE02A Relazione di calcolo sottostrutture
- T02VI01STRPL01A Planimetria di inquadramento
- T02VI01STRDI01A Planimetria impalcato e fondazioni
- T02VI01STRDI02A Prospetto longitudinale e sezioni trasversali
- T02VI01STRCP01A Carpenteria metallica - travi principali
- T02VI01STRCP02A Carpenteria metallica - traversi correnti tipo B
- T02VI01STRCP03A Carpenteria metallica - traversi di pila tipo A
- T02VI01STRCP04A Carpenteria metallica - traversi di spalla tipo C
- T02VI01STRCP05A Carpenteria pile
- T02VI01STRCP06A Carpenteria spalla A
- T02VI01STRCP07A Carpenteria spalla B
- T02VI01STRDC01A Appoggi e giunti
- T02VI01STRDI0 3A Fasi realizzative

4. CARATTERISTICHE DEI MATERIALI

Si riportano di seguito le caratteristiche prestazionali dei principali materiali strutturali che saranno impiegati per la realizzazione dell'opera in esame, secondo la normativa in vigore e con riferimento al metodo di calcolo agli stati limite.

CALCESTRUZZO PER OPERE DI FONDAZIONE

Tipo (secondo UNI EN 206)	C25/30		
Resistenza caratteristica cilindrica a compressione	fck	25	N/mm ²
Resistenza caratteristica cubica a compressione	Rck	30	N/mm ²
Tipo di cemento	CEM III, IV		
Slump	S4		
Classe di esposizione (secondo UNI EN 11104)	XC2		
Rapporto massimo acqua/cemento	a/c	0.60	
Dosaggio minimo cemento	300	kg/m ³	
Diametro massimo inerte	30 mm		

CALCESTRUZZO PER OPERE IN ELEVAZIONE

Tipo (secondo UNI EN 206)	C32/40		
Resistenza caratteristica cilindrica a compressione	fck	32	N/mm ²
Resistenza caratteristica cubica a compressione	Rck	40	N/mm ²
Tipo di cemento	CEM III, IV		
Slump	S4		
Classe di esposizione (secondo UNI EN 11104)	XC4 – XF2		
Contenuto minimo d'aria	4%		
Rapporto massimo acqua/cemento	a/c	0.50	
Dosaggio minimo cemento	300	kg/m ³	
Diametro massimo inerte	30 mm		
Aggregati resistenti al gelo			

CALCESTRUZZO PER BAGGIOLI

Tipo (secondo UNI EN 206)	C35/45
Resistenza caratteristica cilindrica a compressione	fck 35 N/mm ²
Resistenza caratteristica cubica a compressione	Rck 45 N/mm ²
Tipo di cemento	CEM III, IV
Slump	S4-S5
Classe di esposizione (secondo UNI EN 11104)	XC4 – XF4
Contenuto minimo d'aria	4%
Rapporto massimo acqua/cemento	a/c 0.50
Dosaggio minimo cemento	340 kg/m ³
Diametro massimo inerte	20 mm
Aggregati resistenti al gelo	

5. MODELLO GEOTECNICO DI RIFERIMENTO

Nel seguito si riporta la definizione del modello geotecnico di sottosuolo. Tale modello è stato definito considerando gli aspetti stratigrafici, strutturali, idrogeologici e geomorfologici individuati negli elaborati specifici. Sono stati, inoltre, analizzati tutti i dati disponibili (risultati delle indagini in sito, prove di laboratorio, rilievo della falda) per la definizione delle unità omogenee sotto il profilo fisico-meccanico, del regime delle pressioni interstiziali e dei valori caratteristici dei parametri geotecnici.

Dal punto di vista delle caratteristiche fisico-meccaniche delle unità riscontrate si osserva una certa uniformità nei risultati delle prove. Nel modello geotecnico di riferimento si possono individuare 5 unità geotecniche:

- **Depositi continentali (Unità SL):** sono depositi continentali associabili a depositi eluvio-colluviali costituiti da sabbie, sabbie limose, limi sabbiosi e limi argillosi che sono stati a loro volta suddivisi in base al grado di addensamento in:
 - o Unità SL1: sabbie e sabbie limose scarsamente addensate;
 - o Unità SL2: sabbie e sabbie limose poco addensate;
 - o Unità SL3: sabbie addensate.

- **Substrato roccioso (R):** appartenente alla Formazione della Laga prevalentemente arenaceo e pelitico arenaceo costituito da arenaria con grado di cementazione variabile. Si presenta in superficie più fratturato e viene suddiviso in:
 - o Unità R-alt: arenaria da fratturata a molto fratturata
 - o Unità R: arenaria maggiormente competente.

Per maggiori dettagli si rimanda al profilo geotecnico T00GE00GETFG01A.

Si riportano di seguito i valori dei parametri fisici e meccanici, in termini caratteristici, di ciascuna unità geotecnica.

Tabella 4 Tabella riassuntiva dei parametri geotecnici.

UNITÀ GEOTECNICA	γ [kN/m ³]	c' [kPa]	ϕ [°]	E [MPa]
SL1	19.5-20.5	0-5	27-30	5-10
SL2	19.5-20.5	0-5	29-32	5-20
SL3	19.5-20.5	5-10	30-36	20-40
R-alt	22.5-23.5	10-20	35-37	30-60
R	22.5-24.5	100-200	35-40	100-400

6. AZIONI AGENTI

Vengono di seguito descritte le azioni considerate per il dimensionamento delle sottostrutture.

6.1. CARICHI PERMANENTI

Carpenteria metallica

Il peso proprio per metro lineare di carpenteria metallica è stato assunto pari a 32.4 kN/m.

Soletta

Il peso proprio per metro lineare di soletta è stato assunto pari a 96 kN/m

Cordoli

Il peso proprio per metro lineare dei cordoli è stato assunto pari a 7.5 kN/m

Barriere

Il peso proprio per metro delle barriere è stato assunto pari a 3 kN/m

Velette

Il peso proprio per metro lineare delle velette laterali di bordo è stato assunto pari a 3 kN/m

Pavimentazione stradale

Il peso proprio della pavimentazione è stato assunto pari a 25 kN/m

Riassumendo sono stati considerati i seguenti valori di G1 e G2:

PESO PERMANENTI

G1 [kN/m]	128.4
G2 [kN/m]	38.5
G1+G2 [kN/m]	166.9

6.2. CARICHI MOBILI

Coerentemente con quanto indicato al par. 5.1.3.3.3 delle NTC, per l'analisi globale del ponte si fa riferimento allo schema di carico1.

Viste le caratteristiche della sezione stradale quattro è il numero massimo di colonne di carico applicabili. Esse sono così definite:

- una colonna di carichi costituita da un automezzo convenzionale Q1k di 600 kN dotato di 2 assi di 2 ruote ciascuno, distanti 1.20 m in senso longitudinale e con interasse ruote in senso trasversale di 2.00 m; un carico ripartito q1k di 9 kN/m² distribuito linearmente in asse al convoglio (C1);
- una colonna di carichi costituita da un automezzo convenzionale Q1k di 200 kN dotato di 2 assi di 2 ruote ciascuno, distanti 1.20 m in senso longitudinale e con interasse ruote in senso trasversale di 2.00 m; un carico ripartito q1k di 2.5 kN/m² distribuito linearmente in asse al convoglio (C2);
- una colonna di carichi costituita da un automezzo convenzionale Q1k di 100 kN dotato di 2 assi di 2 ruote ciascuno, distanti 1.20 m in senso longitudinale e con interasse ruote in senso trasversale di 2.00 m; un carico ripartito q1k di 2.5 kN/m² distribuito linearmente in asse al convoglio (C3);

- una colonna di carico $q_{rk} = 2.5 \text{ kN/m}^2$ nella zona di carreggiata non impegnata dai carichi precedenti. (R)

Sono state assunte le seguenti due configurazioni di schema di carico 1 per l'impalcato:

SCHEMA MOBILI 1

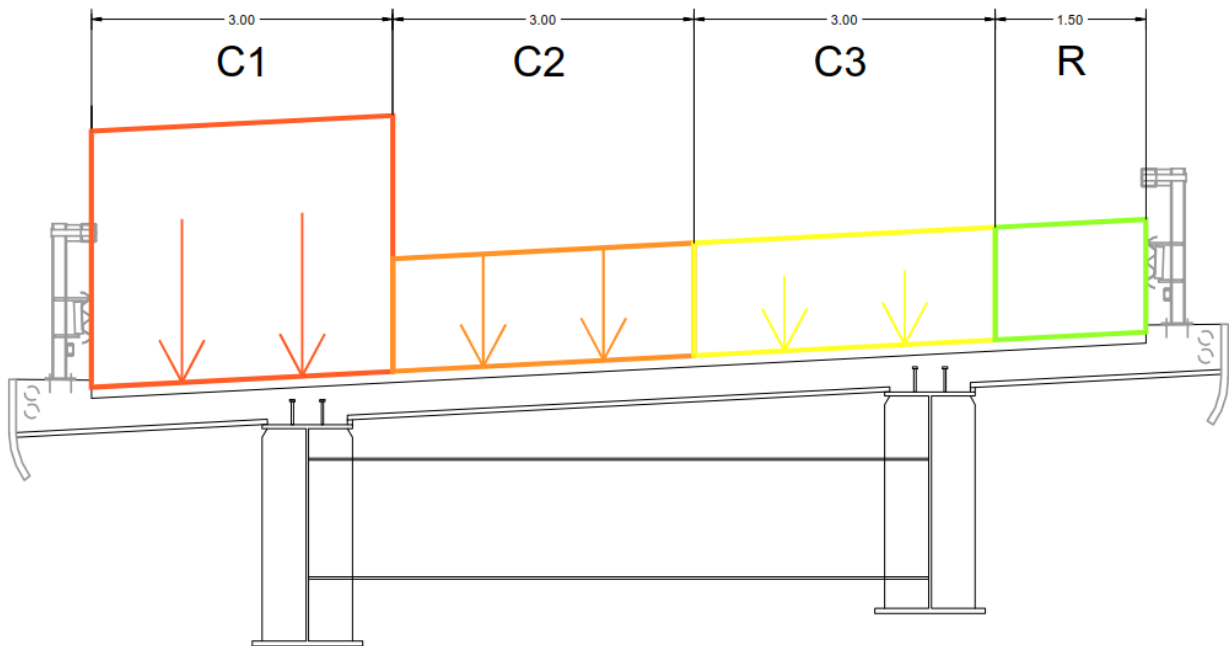


Figura 6-1 Schema MOBILI 1

SCHEMA MOBILI 2

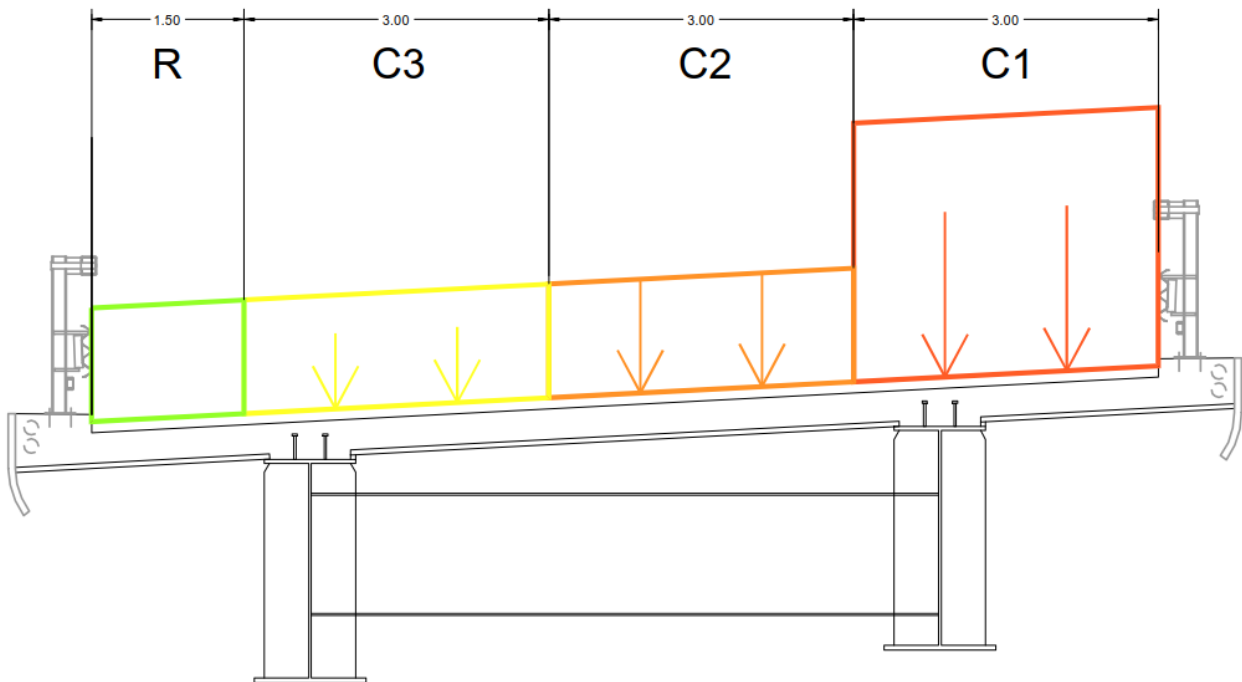


Figura 6-2 Schema MOBILI 2

6.3. FRENATURA

Secondo la norma l'azione di frenamento è funzione del carico verticale totale agente sulla corsia convenzionale nr.1 e vale:

$$180kN \leq q_3 = 0.6(2 \cdot Q_{1k}) + 0.1 \cdot q_{1k} \cdot w_1 \cdot L \leq 900kN$$

Nel caso in esame si ottiene:

FRENATURA

N-Qfren	900	Forza di frenatura
N-Qfren/L	4.5	Forza di frenatura a ml
M-Qfren/L	16.9	Momento generato dalla frenatura a ml

6.4. AZIONE CENTRIFUGA

L'azione centrifuga è calcolata secondo quanto riportato nelle NTC2018, pt. 5.1.3.6. Sono stati considerati tre punti di applicazione, caratterizzati ciascuno da un raggio di curvatura planimetrico.

	Qv	1200	kN				
R	sp1	411	m	q4	117	kN	
R	p1	1020	m	q4	47	kN	
R	p2	1771	m	q4	0	kN	
R	p3	568	m	q4	85	kN	
R	sp2	393	m	q4	122	kN	

6.5. RITIRO

Per le azioni da ritiro derivanti dalla soletta di impalcato, la valutazione del valore medio a tempo infinito della deformazione totale $\varepsilon_{cs}(t_{inf}, t_0)$ è svolta in conformità a quanto previsto dalle attuali NTC.

Le tensioni nella sezione trasversale sono calcolate sovrapponendo i seguenti effetti:

- 1) Azione assiale N nella soletta;
- 2) Pressoflessione applicata alla sezione composta.

RITIRO			
b2 [m]	0.89		distanza tra baricentro soletta e baricentro sezione
Ac [m2]	3.12		area soletta
$\varepsilon_{cs,inf}$ [-]	-0.00035		
Es [kN/m2]	206000000		Modulo elastico acciaio
n [-]	18		coeff omog.
Nr [kN]	-12497		Sforzo assiale totale
Mr [kNm]	-11151		Momento flettente totale

6.6. VARIAZIONI TERMICHE

Sono stati considerati i seguenti contributi agenti nell'impalcato:

Tunif+: Variazione termica positiva uniforme

La variazione termica positiva uniforme è stata assunta pari a +25°C

RITIRO							
b2 [m]	0.89		distanza tra baricentro soletta e baricentro sezione				
Ac [m2]	3.12		area soletta				
$\epsilon_{cs,inf}$ [-]	-0.00035						
Es [kN/m2]	206000000		Modulo elastico acciaio				
n [-]	18		coeff omog.				
Nr [kN]	-12497		Sforzo assiale totale				
Mr [kNm]	-11151		Momento flettente totale				

Tunif-: Variazione termica negativa uniforme

La variazione termica negativa uniforme è stata assunta pari a -25°C

Tsol+: Variazione termica positiva agente sulla soletta

La variazione termica positiva agente sulla soletta è assunta pari a +5°C, si riportano di seguito le sollecitazioni ottenute:

TSOL+

b2 [m]	0.41	distanza tra baricentro soletta e baricentro sezione (vedi foglio "Sezione mista-input.xlsx")
ΔT [°]	5	Variazione termica soletta
α [-]	0.00001	Coeff. Espansione termica
Ac [m2]	3.12	area soletta
ϵ [-]	0.00005	deformazione da temperatura soletta
Es [kN/m2]	2060000	Modulo elastico acciaio
n [-]	6	coeff omog.
Nr [kN]	5356	Sforzo assiale totale
Mr [kNm]	2196	Momento flettente totale

Tsol-: Variazione termica negativa agente sulla soletta

La variazione termica positiva agente sulla soletta è assunta pari a +5°C, si riportano di seguito le sollecitazioni ottenute:

TSOL-

b2 [m]	0.41	distanza tra baricentro soletta e baricentro sezione (vedi foglio "Sezione mista-input.xlsx")
ΔT [°]	-5	Variazione termica soletta
α [-]	0.00001	Coeff. Espansione termica
Ac [m2]	3.12	area soletta
ϵ [-]	-0.00005	deformazione da temperatura soletta
Es [kN/m2]	2060000	Modulo elastico acciaio
n [-]	6	coeff omog.

Nr [kN] -5356 Sforzo assiale totale
Mr
[kNm] -2196 Momento flettente totale

6.7. VENTO

Si riporta di seguito il calcolo della pressione del vento

LOCALIZZAZIONE DELL'INTERVENTO

Ubicazione:

Località	SARNANO
Provincia	MACERATA
Regione	MARCHE
Latitudine	43.03500 N
Longitudine	13.30100 E
Altitudine s.l.m.	500.0 m

Normativa di riferimento:

D.M. 17 gennaio 2018 - NORME TECNICHE PER LE COSTRUZIONI

Cap. 3 - AZIONI SULLE COSTRUZIONI - Par. 3.3 e 3.4

Circolare n.7 - 21 gennaio 2019 C.S.LL.PP.

VENTO

La velocità del vento è calcolata in relazione ai seguenti parametri:

Zona: macro area derivante dalla suddivisione del territorio nazionale (NTC - Tab. 3.3.I);

Vb,0: velocità base della zona (NTC - Tab. 3.3.I);

a0: altitudine base della zona (NTC - Tab. 3.3.I);

ks: parametro in funzione della zona in cui sorge la costruzione (NTC - Tab. 3.3.I);

as: altitudine del sito;

TR: periodo di ritorno di progetto espresso in anni;

Vb: velocità di riferimento calcolata come segue:

$$Vb = Vb,0 \text{ per } as \leq a0$$

$$Vb = Vb,0 (1 + ks ((as / a0) - 1)) \text{ per } a0 < as \leq 1500 \text{ m}$$

per $as > 1500 \text{ m}$ vanno ricavati da opportuna documentazione o da indagini comprovate

Tali valori non dovranno essere minori di quelli previsti per $as = 1500 \text{ m}$

Cr: coefficiente di ritorno in funzione del periodo di ritorno TR

Vr: velocità di riferimento riferita al periodo di ritorno TR

Zona	Vb,0	a0	ks	as	TR	Vb	Cr	Vr
3	27 m/s	500 m	0.37	500 m	50 anni	27.00 m/s	1.000	27.00 m/s

Pressione cinetica di riferimento, $qr = \rho Vr^2 / 2 = 0.46 \text{ kN/mq}$

dove: ρ è la densità dell'aria (assunta convenzionalmente costante = 1,25 kg/mc)

Esposizione: Cat. II - Entroterra fino a 500 m di altitudine

Da cui i parametri della tabella 3.3.II delle NTC

Kr	z0	z min
0.19	0.05 m	4 m

Classe di rugosità del terreno: D (NTC - Tab. 3.3.III)

Aree prive di ostacoli o con al di più rari ostacoli isolati (aperta campagna, aeroporti, aree agricole, zone paludose o sabbiose, superfici innevate o ghiacciate, mare, laghi,...)

L'azione del vento sulle costruzioni è determinata dai seguenti parametri:

Cp: coefficiente di pressione;

Cd: coefficiente dinamico;

Ct: coefficiente di topografia;

Ce: coefficiente di esposizione (funzione di z, z0 e Ct);

z: altezza sul suolo.

Cp	Cd	Ct	Ce	z
1.00	1.00	1.00	2.94	24.00 m

Pressione del vento

$$p = q_r C_e C_p C_d = 1.33 \text{ kN/mq}$$

Altezza delle travi investite dal vento = 1.80 m

Distanza tra le travi \approx 4.2 m

Il vento agisce su tre travi poste alla distanza sopra riportata.

Su ciascuna trave agisce una forza pari alla forza agente sulla trave che la precede moltiplicata per 0.36 (determinato per interpolazione secondo il pt. 3.3.10.4.2 della circolare esplicativa).

Dato il rapporto ψ tra la parte aperta e quella chiusa del profilo della trave pari a 1, si ottiene un coefficiente aerodinamico:

$$C_p = 2.4 - \psi = 1.4$$

La pressione cinetica di picco sull'impalcato risulta:

$$q_p(z) = 1.33 \times 1.4 \times 1.2 = 2.23 \text{ kN/m}^2$$

6.8. CEDIMENTI

I cedimenti vincolari sono stati valutati con la seguente formula:

i-esima pila: $\delta_i = (L_{i-1} + L_i) / 2 \times (1/5000)$

i-esima spalla: $\delta_i = L_i / 2 \times (1/5000)$

6.9. AZIONE SISMICA

Il calcolo delle sollecitazioni sismiche è stato eseguito tenendo conto delle NTC 2018, utilizzando il software spettroNTCver1.0.3.xlsx.

Nei confronti delle azioni sismiche gli stati limite, sia di esercizio che ultimi, sono individuati riferendosi alle prestazioni della costruzione nel suo complesso.

In particolare si sono considerati i seguenti stati limite:

- **Stato Limite di prevenzione del Collasso (SLC);**
- **Stato Limite di salvaguardia della Vita (SLV);**
- **Stato Limite di Danno (SLD)**

Si riportano di seguito i parametri assunti per il calcolo:

COORDINATE: Long 13.32306 / Lat 43.01871

VN = 50 anni

Cu = 2.0 (classe d'uso IV)

Categoria topografica: T2

Categoria del sottosuolo: C

FASE 1. INDIVIDUAZIONE DELLA PERICOLOSITÀ DEL SITO

Ricerca per coordinate

LONGITUDINE:

LATITUDINE:

Ricerca per comune

REGIONE:

PROVINCIA:

COMUNE:

Elaborazioni grafiche

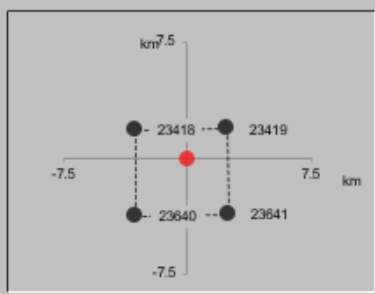
Grafici spettri di risposta

Variabilità dei parametri


Elaborazioni numeriche

Tabella parametri

Nodi del reticolo intorno al sito



Reticolo di riferimento



Controllo sul reticolo

Sito esterno al reticolo

Interpolazione su 3 nodi

Interpolazione corretta

Interpolazione

superficie rigata

La "Ricerca per comune" utilizza le coordinate ISTAT del comune per identificare il sito. Si sottolinea che all'interno del territorio comunale le azioni sismiche possono essere significativamente diverse da quelle così individuate e si consiglia, quindi, la "Ricerca per coordinate".

INTRO
FASE 1
FASE 2
FASE 3

Figura 6-3 Inserimento coordinate spettriNTC

FASE 2. SCELTA DELLA STRATEGIA DI PROGETTAZIONE

Vita nominale della costruzione (in anni) - V_N info

Coefficiente d'uso della costruzione - c_U info

Valori di progetto

Periodo di riferimento per la costruzione (in anni) - V_R info

Periodi di ritorno per la definizione dell'azione sismica (in anni) - T_R info

Stati limite di esercizio - SLE	<ul style="list-style-type: none"> SLO - $P_{VR} = 81\%$ SLD - $P_{VR} = 63\%$ 	<input type="text" value="60"/> <input type="text" value="101"/>	
Stati limite ultimi - SLU	<ul style="list-style-type: none"> SLV - $P_{VR} = 10\%$ SLC - $P_{VR} = 5\%$ 	<input type="text" value="949"/> <input type="text" value="1950"/>	

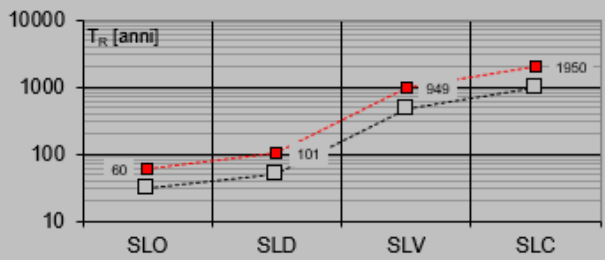
Elaborazioni

Grafici parametri azione

Grafici spettri di risposta

Tabella parametri azione

Strategia di progettazione



LEGENDA GRAFICO

---□--- Strategia per costruzioni ordinarie

.....■..... Strategia scelta

Figura 6-4 Inserimento classe d'uso e vita nominale spettri

6.9.1. STATO LIMITE DI DANNO (SLD)

FASE 3. DETERMINAZIONE DELL'AZIONE DI PROGETTO

Stato Limite

Stato Limite considerato SLD info

Risposta sismica locale

Categoria di sottosuolo C info $S_S = 1.500$ $C_C = 1.541$ info

Categoria topografica T2 info $h/H = 1.000$ $S_T = 1.200$ info

(h=quota sito, H=altezza rilievo topografico)

Compon. orizzontale

Spettro di progetto elastico (SLE) Smorzamento ξ (%) 5 $\eta = 1.000$ info

Spettro di progetto inelastico (SLU) Fattore q_o 1 Regol. in altezza sì info

Compon. verticale

Spettro di progetto Fattore q 1 $\eta = 1.000$ info

Elaborazioni

Grafici spettri di risposta ▶▶▶

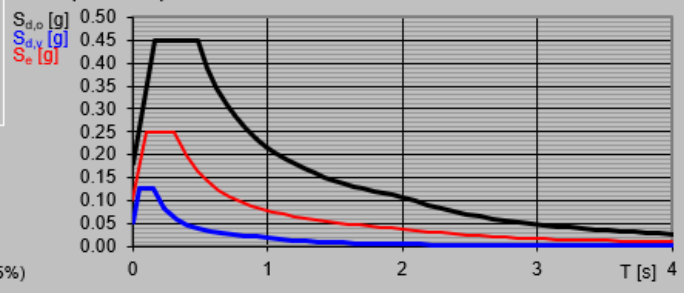
Parametri e punti spettri di risposta ▶▶▶

— Spettro di progetto - componente orizzontale

— Spettro di progetto - componente verticale

— Spettro elastico di riferimento (Cat. A-T1, $\xi = 5\%$)

Spettri di risposta



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Figura 6-5 Definizione parametri spettri SLD

Parametri indipendenti

STATO LIMITE	SLD
a_g	0.101 g
F_o	2.474
T_C	0.313 s
S_S	1.500
C_C	1.541
S_T	1.200
q	1.000

Parametri dipendenti

S	1.800
η	1.000
T_B	0.161 s
T_C	0.482 s
T_D	2.003 s

Spettri di risposta (componenti orizz. e vert.) per lo stato limite: SLD

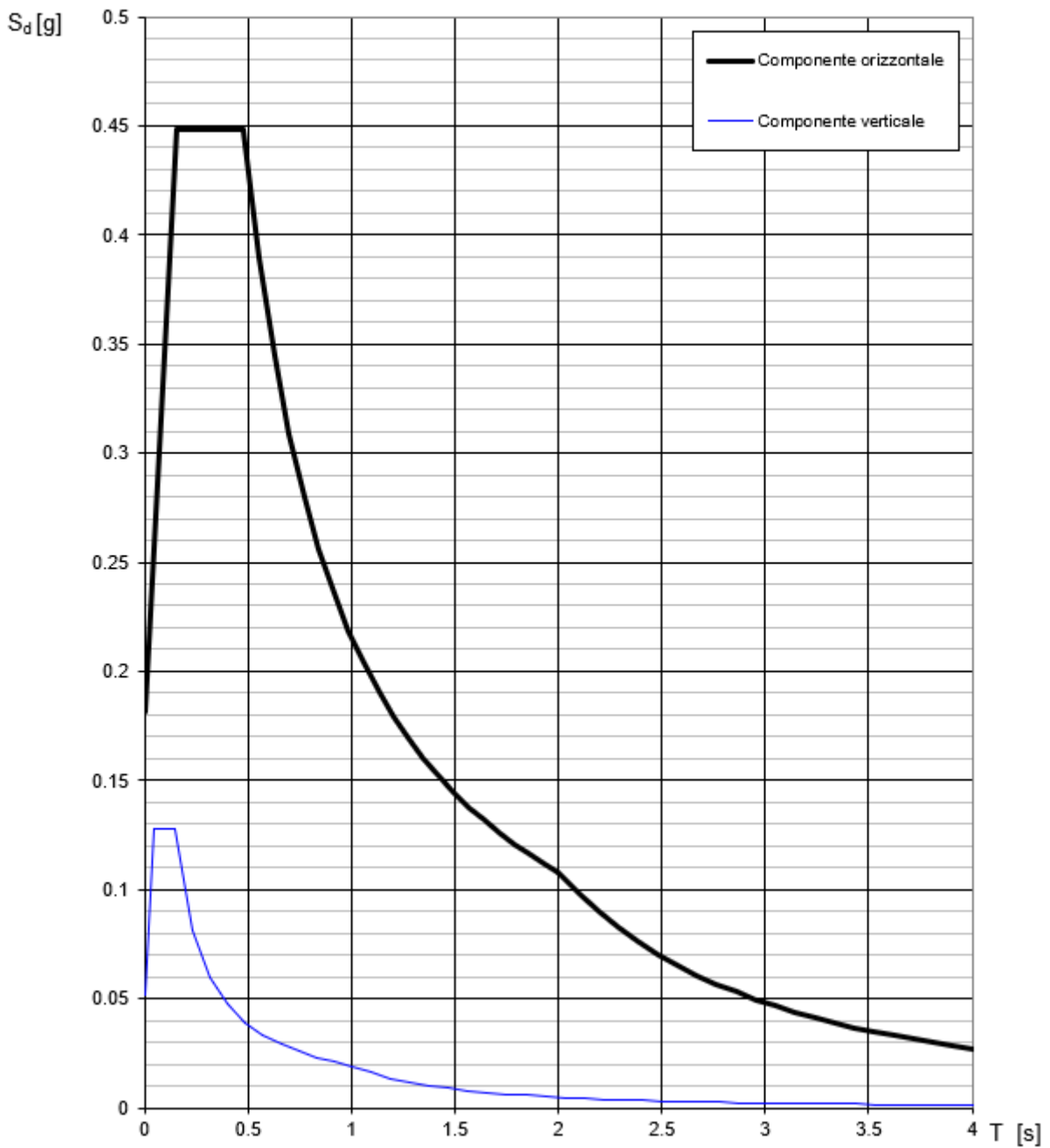


Figura 6-6 Spettri di risposta elastici SLD

6.9.1. STATO LIMITE DI SALVAGUARDIA DELLA VITA (SLV)

FASE 3. DETERMINAZIONE DELL'AZIONE DI PROGETTO

Stato Limite

Stato Limite considerato SLV info

Risposta sismica locale

Categoria di sottosuolo C info $S_S =$ 1.345 $C_C =$ 1.486 info

Categoria topografica T2 info $h/H =$ 1.000 $S_T =$ 1.200 info

(h=quota sito, H=altezza rilievo topografico)

Compon. orizzontale

Spettro di progetto elastico (SLE) Smorzamento ξ (%) 5 $\eta =$ 1.000 info

Spettro di progetto inelastico (SLU) Fattore q_0 1 Regol. in altezza si info

Compon. verticale

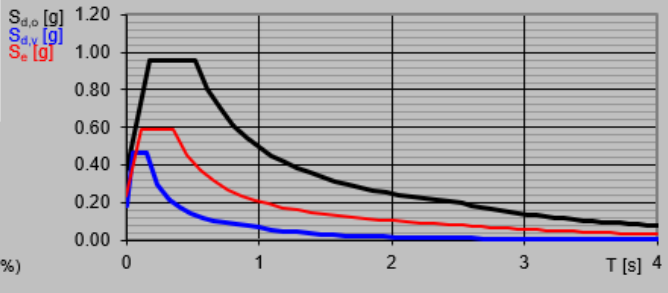
Spettro di progetto Fattore q 1 $\eta =$ 1.000 info

Elaborazioni

Grafici spettri di risposta ▶▶▶

Parametri e punti spettri di risposta ▶▶▶

Spettri di risposta



— Spettro di progetto - componente orizzontale
— Spettro di progetto - componente verticale
— Spettro elastico di riferimento (Cat. A-T1, $\xi = 5\%$)

INTRO FASE 1 FASE 2 FASE 3

Figura 6-7 Definizione parametri spettri SLV

Parametri indipendenti

STATO LIMITE	SLV
a_g	0.233 g
F_0	2.536
T_C	0.349 s
S_S	1.345
C_C	1.486
S_T	1.200
q	1.000

Parametri dipendenti

S	1.614
η	1.000
T_B	0.173 s
T_C	0.519 s
T_D	2.533 s

Spettri di risposta (componenti orizz. e vert.) per lo stato limite: SLV

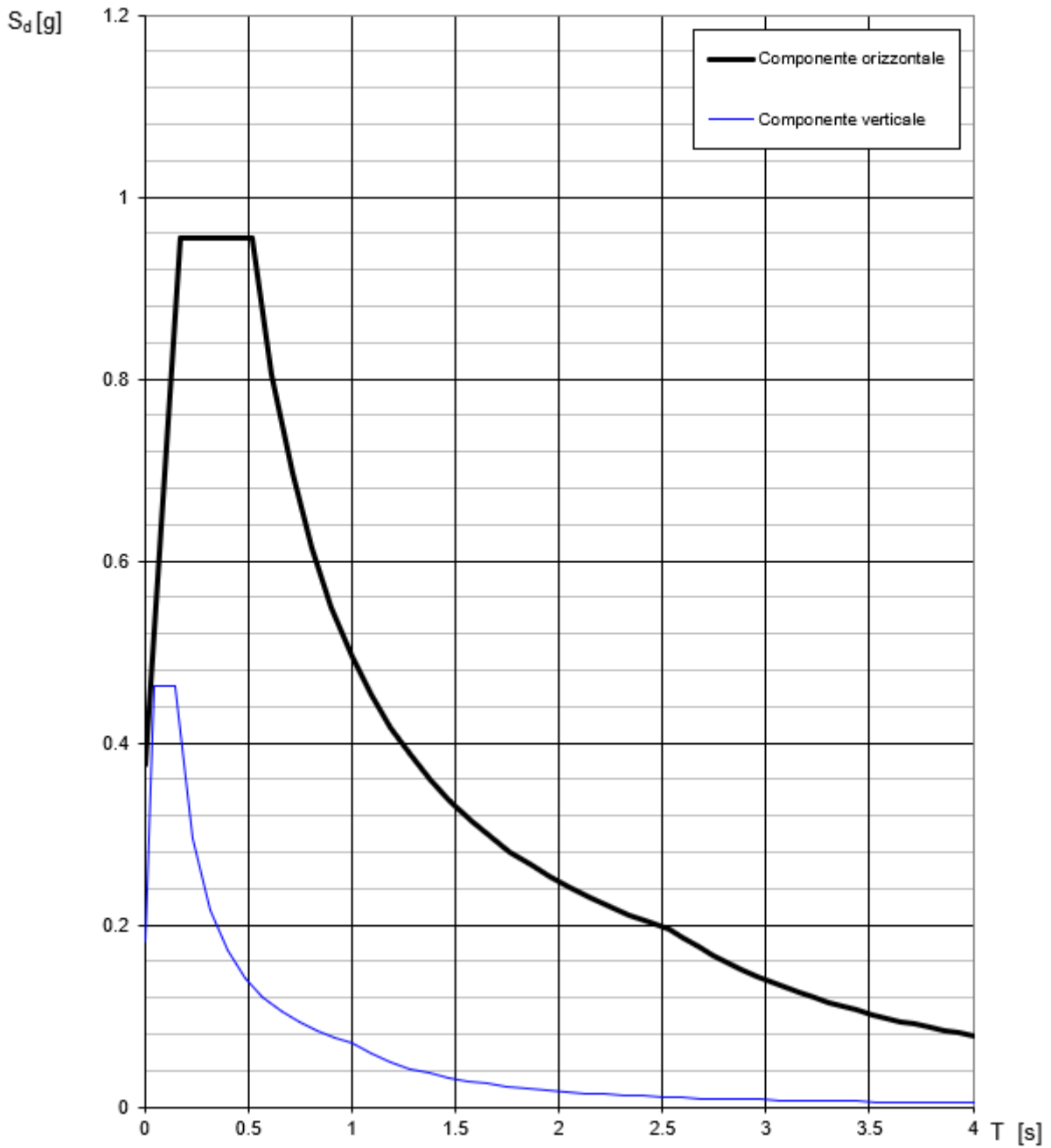


Figura 6-8 Spettri di risposta elastici SLV

6.9.1. STATO LIMITE DI COLLASSO (SLC)

FASE 3. DETERMINAZIONE DELL'AZIONE DI PROGETTO

Stato Limite

Stato Limite considerato SLC info

Risposta sismica locale

Categoria di sottosuolo C info $S_S =$ 1.246 $C_C =$ 1.470 info

Categoria topografica T2 info $h/H =$ 1.000 $S_T =$ 1.200 info

(h=quota sito, H=altezza rilievo topografico)

Compon. orizzontale

Spettro di progetto elastico (SLE) Smorzamento ξ (%) 5 $\eta =$ 1.000 info

Spettro di progetto inelastico (SLU) Fattore q_o 1 Regol. in altezza si info

Compon. verticale

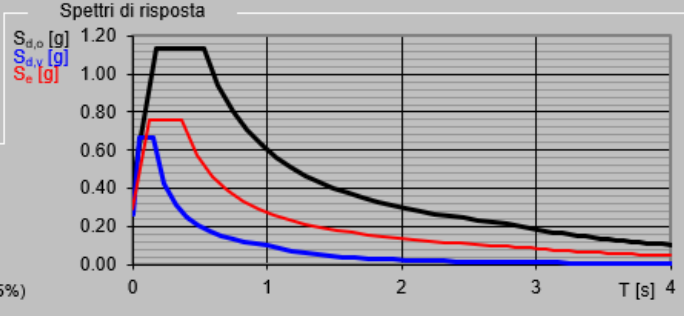
Spettro di progetto Fattore q 1 $\eta =$ 1.000 info

Elaborazioni

Grafici spettri di risposta ||>

Parametri e punti spettri di risposta ||>

Spettri di risposta



$S_{d,o}$ [g]
 $S_{d,v}$ [g]
 S_e [g]

— Spettro di progetto - componente orizzontale
— Spettro di progetto - componente verticale
— Spettro elastico di riferimento (Cat. A-T1, $\xi = 5\%$)

INTRO FASE 1 FASE 2 FASE 3

Figura 6-9 Definizione parametri spettri SLC

Parametri indipendenti

STATO LIMITE	SLC
a_g	0.296 g
F_o	2.559
T_C	0.360 s
S_S	1.246
C_C	1.470
S_T	1.200
q	1.000

Parametri dipendenti

S	1.495
η	1.000
T_B	0.177 s
T_C	0.530 s
T_D	2.783 s

Spettri di risposta (componenti orizz. e vert.) per lo stato limite: SLC

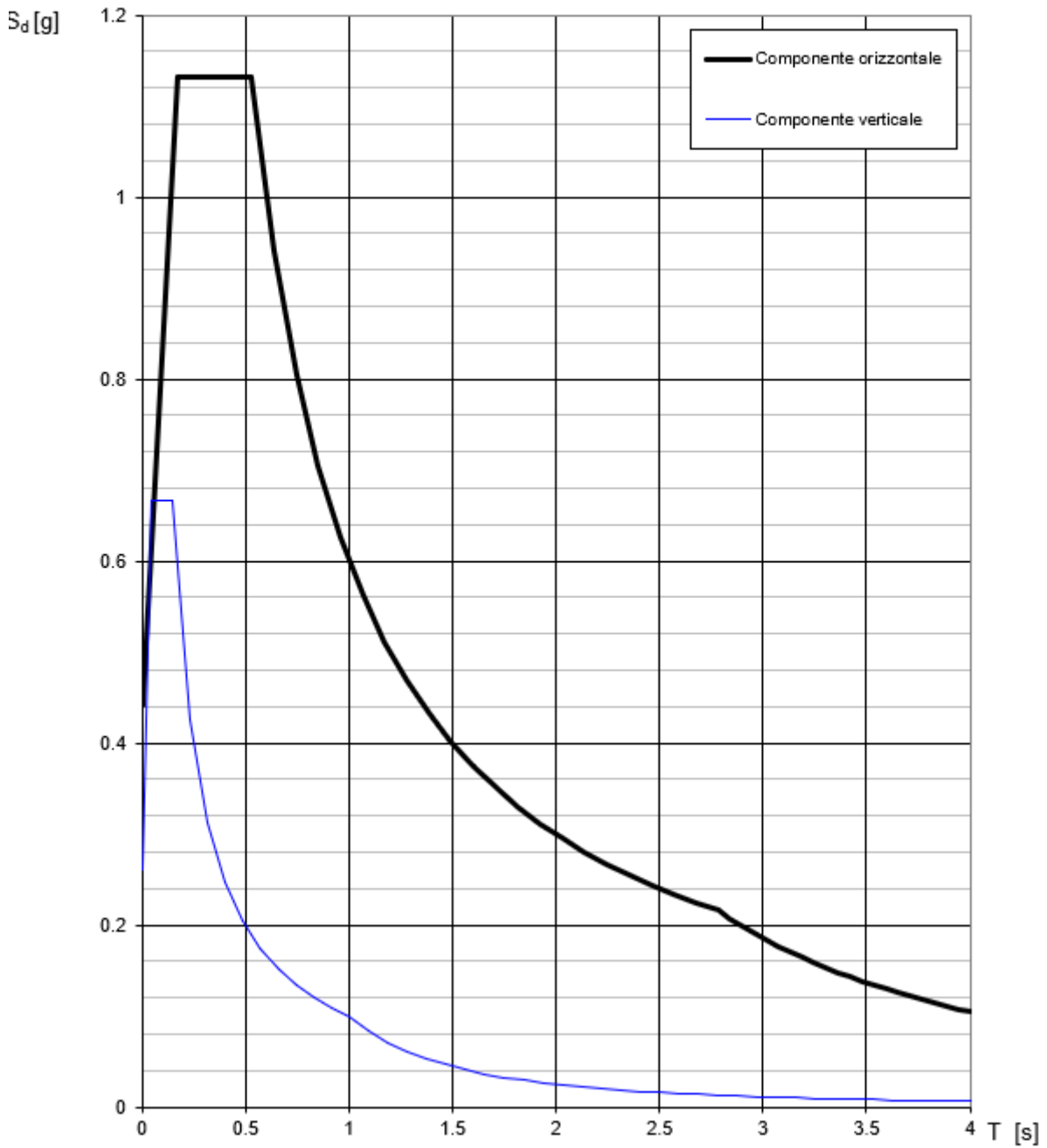


Figura 6-10 Spettri di risposta elastici SLC

7. COMBINAZIONI DI CARICO

Secondo le NTC2018, i valori caratteristici delle azioni, i coefficienti parziali di sicurezza per le combinazioni e i coefficienti per le azioni variabili per i diversi tipi di combinazione sono definiti rispettivamente dalle tabelle 5.1.IV, 5.1.V, 5.1.VI.

Tabella 5.1.IV – Valori caratteristici delle azioni dovute al traffico

Gruppo di azioni	Carichi sulla carreggiata					Carichi su marciapiedi e piste ciclabili
	Carichi verticali			Carichi orizzontali		Carichi verticali
	Modello principale (Schemi di carico 1, 2, 3, 4, 6)	Veicoli speciali	Folla (Schema di carico 5)	Frenatura q_3	Forza centrifuga q_4	Carico uniformemente distribuito
1	Valore caratteristico					Schema di carico 5 con valore di combinazione $2,5 \text{ kN/m}^2$
2 a	Valore frequente			Valore caratteristico		
2 b	Valore frequente				Valore caratteristico	
3 (*)						Schema di carico 5 con valore caratteristico $5,0 \text{ kN/m}^2$
4 (**)			Schema di carico 5 con valore caratteristico $5,0 \text{ kN/m}^2$			Schema di carico 5 con valore caratteristico $5,0 \text{ kN/m}^2$
5 (***)	Da definirsi per il singolo progetto	Valore caratteristico o nominale				

(*) Ponti di 3ª categoria
 (**) Da considerare solo se richiesto dal particolare progetto (ad es. ponti in zona urbana)
 (***) Da considerare solo se si considerano veicoli speciali

Tabella 5.1.V – Coefficienti parziali di sicurezza per le combinazioni di carico agli SLU

		Coefficiente	EQU ⁽¹⁾	A1 STR	A2 GEO
Carichi permanenti	favorevoli	γ_{G1}	0,90	1,00	1,00
	sfavorevoli		1,10	1,35	1,00
Carichi permanenti non strutturali ⁽²⁾	favorevoli	γ_{G2}	0,00	0,00	0,00
	sfavorevoli		1,50	1,50	1,30
Carichi variabili da traffico	favorevoli	γ_Q	0,00	0,00	0,00
	sfavorevoli		1,35	1,35	1,15
Carichi variabili	favorevoli	γ_{Qi}	0,00	0,00	0,00
	sfavorevoli		1,50	1,50	1,30
Distorsioni e presollecitazioni di progetto	favorevoli	γ_{e1}	0,90	1,00	1,00
	sfavorevoli		1,00 ⁽³⁾	1,00 ⁽⁴⁾	1,00
Ritiro e viscosità, Variazioni termiche, Cedimenti vincolari	favorevoli	$\gamma_{e2}, \gamma_{e3}, \gamma_{e4}$	0,00	0,00	0,00
	sfavorevoli		1,20	1,20	1,00

(1) Equilibrio che non coinvolga i parametri di deformabilità e resistenza del terreno; altrimenti si applicano i valori di GEO.
 (2) Nel caso in cui i carichi permanenti non strutturali (ad es. carichi permanenti portati) siano compiutamente definiti si potranno adottare gli stessi coefficienti validi per le azioni permanenti.
 (3) 1,30 per instabilità in strutture con precompressione esterna
 (4) 1,20 per effetti locali

In particolare, come definito dal paragrafo 2.6.1, nel seguito si è fatto riferimento allo stato limite di resistenza della struttura compresi gli elementi di fondazione STR: per le azioni si sono impiegati quindi i coefficienti γ_F riportati nella colonna A1.

Tabella 5.1.VI - Coefficienti ψ per le azioni variabili per ponti stradali e pedonali

Azioni	Gruppo di azioni (Tabella 5.1.IV)	Coefficiente ψ_0 di combinazione	Coefficiente ψ_1 (valori frequenti)	Coefficiente ψ_2 (valori quasi permanenti)
Azioni da traffico (Tabella 5.1.IV)	Schema 1 (Carichi tandem)	0,75	0,75	0,0
	Schemi 1, 5 e 6 (Carichi distribuiti)	0,40	0,40	0,0
	Schemi 3 e 4 (carichi concentrati)	0,40	0,40	0,0
	Schema 2	0,0	0,75	0,0
	2	0,0	0,0	0,0
	3	0,0	0,0	0,0
Vento q_s	Vento a ponte scarico SLU e SLE	0,6	0,2	0,0
	Esecuzione	0,8	----	0,0
	Vento a ponte carico	0,6		
Neve q_s	SLU e SLE	0,0	0,0	0,0
	esecuzione	0,8	0,6	0,5
Temperatura	T_k	0,6	0,6	0,5

Inoltre, in base al paragrafo 2.5.3, si sono considerate le seguenti combinazioni delle azioni:

- **Combinazione fondamentale impiegata per gli stati limite ultimi (SLU):**

$$\gamma_{G1} \cdot G_1 + \gamma_{G2} \cdot G_2 + \gamma_P \cdot P + \gamma_{Q1} \cdot Q_{k1} + \gamma_{Q2} \cdot \psi_{02} \cdot Q_{k2} + \gamma_{Q3} \cdot \psi_{03} \cdot Q_{k3} + \dots$$

G_1 valore caratt. delle azioni da peso proprio;

G_2 valore caratt. delle azioni da carichi permanenti portati;

Q_{k1} valore caratt. dell'azione variabile di base di ogni combinazione;

Q_{ki} valore caratt. delle azioni variabili tra loro indipendenti;

P valore caratt. delle deformazioni impresse;

$\gamma_G, \gamma_Q, \gamma_P$ coefficienti parziali per le azioni;

ψ_{0i} coefficienti di comb. per le verifiche allo stato limite ultimo.

- **Combinazioni S.L.E:**

Combinazione caratteristica (rara; per verifica delle tensioni di esercizio dell'acciaio e del calcestruzzo):

$$G_1 + G_2 + P + Q_{k1} + \psi_{02} \cdot Q_{k2} + \psi_{03} \cdot Q_{k3} + \dots$$

Combinazione frequente (per verifica sulla fessurazione):

$$G_1 + G_2 + P + \psi_{11} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + \dots$$

Combinazione quasi permanente (per verifica delle tensioni di esercizio del calcestruzzo e per verifica sulla fessurazione):

$$G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + \dots$$

Combinazione sismica (per gli stati limite ultimi connessi all'azione sismica E):

$$E + G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \dots$$

In particolare si considerano 3 direzioni principali secondo cui si effettuano le combinazioni sismiche (Ex, Ey, Ez) con rotazione dei coefficienti moltiplicativi e conseguente individuazione degli effetti più gravosi:

$$A_{Ex} + 0,30A_{Ey} + 0,30A_{Ez}$$

Le combinazioni dei carichi agli SLU e SLE sono effettuate in base alle disposizioni del D.M. secondo le seguenti tabelle.

7.1. COMBINAZIONI SLU

NOME COMB.	G1+ G2	MOBI LI 1	MOBI LI 2	MOBILI 1 COMB	MOBILI 2 COMB	FRE N+	FRE N-	Centrf g2	Centrf g3	VENT O+	VENT O-	ce d1	ce d2	T-sol+	T-sol-	T-unif+	T-unif-	Riti ro
SLU-1	1.35	1.35	0	0	0	0	0	0	0	0.9	0	1.2	0	0.9	0	0.9	0	1.2
SLU-2	1.35	0	1.35	0	0	0	0	0	0	0.9	0	1.2	0	0.9	0	0.9	0	1.2
SLU-3	1.35	1.35	0	0	0	0	0	0	0	0	0.9	1.2	0	0.9	0	0.9	0	1.2
SLU-4	1.35	0	1.35	0	0	0	0	0	0	0	0.9	1.2	0	0.9	0	0.9	0	1.2
SLU-5	1.35	1.35	0	0	0	0	0	0	0	0.9	0	0	1.2	0.9	0	0.9	0	1.2
SLU-6	1.35	0	1.35	0	0	0	0	0	0	0.9	0	0	1.2	0.9	0	0.9	0	1.2
SLU-7	1.35	1.35	0	0	0	0	0	0	0	0	0.9	0	1.2	0.9	0	0.9	0	1.2
SLU-8	1.35	0	1.35	0	0	0	0	0	0	0	0.9	0	1.2	0.9	0	0.9	0	1.2
SLU-9	1.35	1.35	0	0	0	0	0	0	0	0.9	0	1.2	0	0	0.9	0.9	0	1.2
SLU-10	1.35	0	1.35	0	0	0	0	0	0	0.9	0	1.2	0	0	0.9	0.9	0	1.2
SLU-11	1.35	1.35	0	0	0	0	0	0	0	0	0.9	1.2	0	0	0.9	0.9	0	1.2
SLU-12	1.35	0	1.35	0	0	0	0	0	0	0	0.9	1.2	0	0	0.9	0.9	0	1.2
SLU-13	1.35	1.35	0	0	0	0	0	0	0	0.9	0	0	1.2	0	0.9	0.9	0	1.2
SLU-14	1.35	0	1.35	0	0	0	0	0	0	0.9	0	0	1.2	0	0.9	0.9	0	1.2
SLU-15	1.35	1.35	0	0	0	0	0	0	0	0	0.9	0	1.2	0	0.9	0.9	0	1.2
SLU-16	1.35	0	1.35	0	0	0	0	0	0	0	0.9	0	1.2	0	0.9	0.9	0	1.2
SLU-17	1	1.35	0	0	0	0	0	0	0	0.9	0	1.2	0	0.9	0	0.9	0	1.2
SLU-18	1	0	1.35	0	0	0	0	0	0	0.9	0	1.2	0	0.9	0	0.9	0	1.2
SLU-19	1	1.35	0	0	0	0	0	0	0	0	0.9	1.2	0	0.9	0	0.9	0	1.2
SLU-20	1	0	1.35	0	0	0	0	0	0	0	0.9	1.2	0	0.9	0	0.9	0	1.2
SLU-21	1	1.35	0	0	0	0	0	0	0	0.9	0	0	1.2	0.9	0	0.9	0	1.2
SLU-22	1	0	1.35	0	0	0	0	0	0	0.9	0	0	1.2	0.9	0	0.9	0	1.2
SLU-23	1	1.35	0	0	0	0	0	0	0	0	0.9	0	1.2	0.9	0	0.9	0	1.2
SLU-24	1	0	1.35	0	0	0	0	0	0	0	0.9	0	1.2	0.9	0	0.9	0	1.2
SLU-25	1	1.35	0	0	0	0	0	0	0	0.9	0	1.2	0	0	0.9	0.9	0	1.2
SLU-26	1	0	1.35	0	0	0	0	0	0	0.9	0	1.2	0	0	0.9	0.9	0	1.2
SLU-27	1	1.35	0	0	0	0	0	0	0	0	0.9	1.2	0	0	0.9	0.9	0	1.2
SLU-28	1	0	1.35	0	0	0	0	0	0	0	0.9	1.2	0	0	0.9	0.9	0	1.2
SLU-29	1	1.35	0	0	0	0	0	0	0	0.9	0	0	1.2	0	0.9	0.9	0	1.2
SLU-30	1	0	1.35	0	0	0	0	0	0	0.9	0	0	1.2	0	0.9	0.9	0	1.2
SLU-31	1	1.35	0	0	0	0	0	0	0	0	0.9	0	1.2	0	0.9	0.9	0	1.2
SLU-32	1	0	1.35	0	0	0	0	0	0	0	0.9	0	1.2	0	0.9	0.9	0	1.2
SLU-33	1.35	0	0	1.35	0	1.35	0	0	0	0.9	0	1.2	0	0.9	0	0.9	0	1.2
SLU-34	1.35	0	0	0	1.35	1.35	0	0	0	0.9	0	1.2	0	0.9	0	0.9	0	1.2
SLU-35	1.35	0	0	1.35	0	1.35	0	0	0	0	0.9	1.2	0	0.9	0	0.9	0	1.2
SLU-36	1.35	0	0	0	1.35	1.35	0	0	0	0	0.9	1.2	0	0.9	0	0.9	0	1.2
SLU-37	1.35	0	0	1.35	0	1.35	0	0	0	0.9	0	0	1.2	0.9	0	0.9	0	1.2
SLU-38	1.35	0	0	0	1.35	1.35	0	0	0	0.9	0	0	1.2	0.9	0	0.9	0	1.2
SLU-39	1.35	0	0	1.35	0	1.35	0	0	0	0	0.9	0	1.2	0.9	0	0.9	0	1.2
SLU-40	1.35	0	0	0	1.35	1.35	0	0	0	0	0.9	0	1.2	0.9	0	0.9	0	1.2

SLU-41	1.35	0	0	1.35	0	1.35	0	0	0	0.9	0	1.2	0	0	0.9	0.9	0	1.2
SLU-42	1.35	0	0	0	1.35	1.35	0	0	0	0.9	0	1.2	0	0	0.9	0.9	0	1.2
SLU-43	1.35	0	0	1.35	0	1.35	0	0	0	0	0.9	1.2	0	0	0.9	0.9	0	1.2
SLU-44	1.35	0	0	0	1.35	1.35	0	0	0	0	0.9	1.2	0	0	0.9	0.9	0	1.2
SLU-45	1.35	0	0	1.35	0	1.35	0	0	0	0.9	0	0	1.2	0	0.9	0.9	0	1.2
SLU-46	1.35	0	0	0	1.35	1.35	0	0	0	0.9	0	0	1.2	0	0.9	0.9	0	1.2
SLU-47	1.35	0	0	1.35	0	1.35	0	0	0	0	0.9	0	1.2	0	0.9	0.9	0	1.2
SLU-48	1.35	0	0	0	1.35	1.35	0	0	0	0	0.9	0	1.2	0	0.9	0.9	0	1.2
SLU-49	1.35	0	0	1.35	0	0	1.35	0	0	0.9	0	1.2	0	0.9	0	0.9	0	1.2
SLU-50	1.35	0	0	0	1.35	0	1.35	0	0	0.9	0	1.2	0	0.9	0	0.9	0	1.2
SLU-51	1.35	0	0	1.35	0	0	1.35	0	0	0	0.9	1.2	0	0.9	0	0.9	0	1.2
SLU-52	1.35	0	0	0	1.35	0	1.35	0	0	0	0.9	1.2	0	0.9	0	0.9	0	1.2
SLU-53	1.35	0	0	1.35	0	0	1.35	0	0	0.9	0	0	1.2	0.9	0	0.9	0	1.2
SLU-54	1.35	0	0	0	1.35	0	1.35	0	0	0.9	0	0	1.2	0.9	0	0.9	0	1.2
SLU-55	1.35	0	0	1.35	0	0	1.35	0	0	0	0.9	0	1.2	0.9	0	0.9	0	1.2
SLU-56	1.35	0	0	0	1.35	0	1.35	0	0	0	0.9	0	1.2	0.9	0	0.9	0	1.2
SLU-57	1.35	0	0	1.35	0	0	1.35	0	0	0.9	0	1.2	0	0	0.9	0.9	0	1.2
SLU-58	1.35	0	0	0	1.35	0	1.35	0	0	0.9	0	1.2	0	0	0.9	0.9	0	1.2
SLU-59	1.35	0	0	1.35	0	0	1.35	0	0	0	0.9	1.2	0	0	0.9	0.9	0	1.2
SLU-60	1.35	0	0	0	1.35	0	1.35	0	0	0	0.9	1.2	0	0	0.9	0.9	0	1.2
SLU-61	1.35	0	0	1.35	0	0	1.35	0	0	0.9	0	0	1.2	0	0.9	0.9	0	1.2
SLU-62	1.35	0	0	0	1.35	0	1.35	0	0	0.9	0	0	1.2	0	0.9	0.9	0	1.2
SLU-63	1.35	0	0	1.35	0	0	1.35	0	0	0	0.9	0	1.2	0	0.9	0.9	0	1.2
SLU-64	1.35	0	0	0	1.35	0	1.35	0	0	0	0.9	0	1.2	0	0.9	0.9	0	1.2
SLU-65	1.35	0	0	1.35	0	0	0	1.35	0	0.9	0	1.2	0	0.9	0	0.9	0	1.2
SLU-66	1.35	0	0	0	1.35	0	0	1.35	0	0.9	0	1.2	0	0.9	0	0.9	0	1.2
SLU-67	1.35	0	0	1.35	0	0	0	1.35	0	0	0.9	1.2	0	0.9	0	0.9	0	1.2
SLU-68	1.35	0	0	0	1.35	0	0	1.35	0	0	0.9	1.2	0	0.9	0	0.9	0	1.2
SLU-69	1.35	0	0	1.35	0	0	0	1.35	0	0.9	0	0	1.2	0.9	0	0.9	0	1.2
SLU-70	1.35	0	0	0	1.35	0	0	1.35	0	0.9	0	0	1.2	0.9	0	0.9	0	1.2
SLU-71	1.35	0	0	1.35	0	0	0	1.35	0	0	0.9	0	1.2	0.9	0	0.9	0	1.2
SLU-72	1.35	0	0	0	1.35	0	0	1.35	0	0	0.9	0	1.2	0.9	0	0.9	0	1.2
SLU-73	1.35	0	0	1.35	0	0	0	1.35	0	0.9	0	1.2	0	0	0.9	0.9	0	1.2
SLU-74	1.35	0	0	0	1.35	0	0	1.35	0	0.9	0	1.2	0	0	0.9	0.9	0	1.2
SLU-75	1.35	0	0	1.35	0	0	0	1.35	0	0	0.9	1.2	0	0	0.9	0.9	0	1.2
SLU-76	1.35	0	0	0	1.35	0	0	1.35	0	0	0.9	1.2	0	0	0.9	0.9	0	1.2
SLU-77	1.35	0	0	1.35	0	0	0	1.35	0	0.9	0	0	1.2	0	0.9	0.9	0	1.2
SLU-78	1.35	0	0	0	1.35	0	0	1.35	0	0.9	0	0	1.2	0	0.9	0.9	0	1.2
SLU-79	1.35	0	0	1.35	0	0	0	1.35	0	0	0.9	0	1.2	0	0.9	0.9	0	1.2
SLU-80	1.35	0	0	0	1.35	0	0	1.35	0	0	0.9	0	1.2	0	0.9	0.9	0	1.2
SLU-81	1.35	0	0	1.35	0	0	0	0	1.35	0.9	0	1.2	0	0.9	0	0.9	0	1.2
SLU-82	1.35	0	0	0	1.35	0	0	0	1.35	0.9	0	1.2	0	0.9	0	0.9	0	1.2
SLU-83	1.35	0	0	1.35	0	0	0	0	1.35	0	0.9	1.2	0	0.9	0	0.9	0	1.2
SLU-84	1.35	0	0	0	1.35	0	0	0	1.35	0	0.9	1.2	0	0.9	0	0.9	0	1.2
SLU-85	1.35	0	0	1.35	0	0	0	0	1.35	0.9	0	0	1.2	0.9	0	0.9	0	1.2
SLU-86	1.35	0	0	0	1.35	0	0	0	1.35	0.9	0	0	1.2	0.9	0	0.9	0	1.2
SLU-87	1.35	0	0	1.35	0	0	0	0	1.35	0	0.9	0	1.2	0.9	0	0.9	0	1.2
SLU-88	1.35	0	0	0	1.35	0	0	0	1.35	0	0.9	0	1.2	0.9	0	0.9	0	1.2
SLU-89	1.35	0	0	1.35	0	0	0	0	1.35	0.9	0	1.2	0	0	0.9	0.9	0	1.2
SLU-90	1.35	0	0	0	1.35	0	0	0	1.35	0.9	0	1.2	0	0	0.9	0.9	0	1.2
SLU-91	1.35	0	0	1.35	0	0	0	0	1.35	0	0.9	1.2	0	0	0.9	0.9	0	1.2
SLU-92	1.35	0	0	0	1.35	0	0	0	1.35	0	0.9	1.2	0	0	0.9	0.9	0	1.2
SLU-93	1.35	0	0	1.35	0	0	0	0	1.35	0.9	0	0	1.2	0	0.9	0.9	0	1.2
SLU-94	1.35	0	0	0	1.35	0	0	0	1.35	0.9	0	0	1.2	0	0.9	0.9	0	1.2
SLU-95	1.35	0	0	1.35	0	0	0	0	1.35	0	0.9	0	1.2	0	0.9	0.9	0	1.2
SLU-96	1.35	0	0	0	1.35	0	0	0	1.35	0	0.9	0	1.2	0	0.9	0.9	0	1.2
SLU-97	1.35	0	0	1.35	0	0	0	0	0	1.5	0	1.2	0	0.9	0	0.9	0	1.2

SLU-98	1.35	0	0	0	1.35	0	0	0	0	1.5	0	1.2	0	0.9	0	0.9	0	1.2
SLU-99	1.35	0	0	1.35	0	0	0	0	0	0	1.5	1.2	0	0.9	0	0.9	0	1.2
SLU-100	1.35	0	0	0	1.35	0	0	0	0	0	1.5	1.2	0	0.9	0	0.9	0	1.2
SLU-101	1.35	0	0	1.35	0	0	0	0	0	1.5	0	0	1.2	0.9	0	0.9	0	1.2
SLU-102	1.35	0	0	0	1.35	0	0	0	0	1.5	0	0	1.2	0.9	0	0.9	0	1.2
SLU-103	1.35	0	0	1.35	0	0	0	0	0	0	1.5	0	1.2	0.9	0	0.9	0	1.2
SLU-104	1.35	0	0	0	1.35	0	0	0	0	0	1.5	0	1.2	0.9	0	0.9	0	1.2
SLU-105	1.35	0	0	1.35	0	0	0	0	0	1.5	0	1.2	0	0	0.9	0.9	0	1.2
SLU-106	1.35	0	0	0	1.35	0	0	0	0	1.5	0	1.2	0	0	0.9	0.9	0	1.2
SLU-107	1.35	0	0	1.35	0	0	0	0	0	0	1.5	1.2	0	0	0.9	0.9	0	1.2
SLU-108	1.35	0	0	0	1.35	0	0	0	0	0	1.5	1.2	0	0	0.9	0.9	0	1.2
SLU-109	1.35	0	0	1.35	0	0	0	0	0	1.5	0	0	1.2	0	0.9	0.9	0	1.2
SLU-110	1.35	0	0	0	1.35	0	0	0	0	1.5	0	0	1.2	0	0.9	0.9	0	1.2
SLU-111	1.35	0	0	1.35	0	0	0	0	0	0	1.5	0	1.2	0	0.9	0.9	0	1.2
SLU-112	1.35	0	0	0	1.35	0	0	0	0	0	1.5	0	1.2	0	0.9	0.9	0	1.2
SLU-113	1.35	0	0	1.35	0	0	0	0	0	0.9	0	1.2	0	1.5	0	1.5	0	1.2
SLU-114	1.35	0	0	0	1.35	0	0	0	0	0.9	0	1.2	0	1.5	0	1.5	0	1.2
SLU-115	1.35	0	0	1.35	0	0	0	0	0	0	0.9	1.2	0	1.5	0	1.5	0	1.2
SLU-116	1.35	0	0	0	1.35	0	0	0	0	0	0.9	1.2	0	1.5	0	1.5	0	1.2
SLU-117	1.35	0	0	1.35	0	0	0	0	0	0.9	0	0	1.2	1.5	0	1.5	0	1.2
SLU-118	1.35	0	0	0	1.35	0	0	0	0	0.9	0	0	1.2	1.5	0	1.5	0	1.2
SLU-119	1.35	0	0	1.35	0	0	0	0	0	0	0.9	0	1.2	1.5	0	1.5	0	1.2
SLU-120	1.35	0	0	0	1.35	0	0	0	0	0	0.9	0	1.2	1.5	0	1.5	0	1.2
SLU-121	1.35	0	0	1.35	0	0	0	0	0	0.9	0	1.2	0	0	1.5	1.5	0	1.2
SLU-122	1.35	0	0	0	1.35	0	0	0	0	0.9	0	1.2	0	0	1.5	1.5	0	1.2
SLU-123	1.35	0	0	1.35	0	0	0	0	0	0	0.9	1.2	0	0	1.5	1.5	0	1.2
SLU-124	1.35	0	0	0	1.35	0	0	0	0	0	0.9	1.2	0	0	1.5	1.5	0	1.2
SLU-125	1.35	0	0	1.35	0	0	0	0	0	0.9	0	0	1.2	0	1.5	1.5	0	1.2
SLU-126	1.35	0	0	0	1.35	0	0	0	0	0.9	0	0	1.2	0	1.5	1.5	0	1.2
SLU-127	1.35	0	0	1.35	0	0	0	0	0	0	0.9	0	1.2	0	1.5	1.5	0	1.2
SLU-128	1.35	0	0	0	1.35	0	0	0	0	0	0.9	0	1.2	0	1.5	1.5	0	1.2
SLU-129	1.35	1.35	0	0	0	0	0	0	0	0.9	0	1.2	0	0.9	0	0	0.9	1.2
SLU-130	1.35	0	1.35	0	0	0	0	0	0	0.9	0	1.2	0	0.9	0	0	0.9	1.2
SLU-131	1.35	1.35	0	0	0	0	0	0	0	0	0.9	1.2	0	0.9	0	0	0.9	1.2
SLU-132	1.35	0	1.35	0	0	0	0	0	0	0	0.9	1.2	0	0.9	0	0	0.9	1.2
SLU-133	1.35	1.35	0	0	0	0	0	0	0	0.9	0	0	1.2	0.9	0	0	0.9	1.2
SLU-134	1.35	0	1.35	0	0	0	0	0	0	0.9	0	0	1.2	0.9	0	0	0.9	1.2
SLU-135	1.35	1.35	0	0	0	0	0	0	0	0	0.9	0	1.2	0.9	0	0	0.9	1.2
SLU-136	1.35	0	1.35	0	0	0	0	0	0	0	0.9	0	1.2	0.9	0	0	0.9	1.2
SLU-137	1.35	1.35	0	0	0	0	0	0	0	0.9	0	1.2	0	0	0.9	0	0.9	1.2
SLU-138	1.35	0	1.35	0	0	0	0	0	0	0.9	0	1.2	0	0	0.9	0	0.9	1.2
SLU-139	1.35	1.35	0	0	0	0	0	0	0	0	0.9	1.2	0	0	0.9	0	0.9	1.2
SLU-140	1.35	0	1.35	0	0	0	0	0	0	0	0.9	1.2	0	0	0.9	0	0.9	1.2
SLU-141	1.35	1.35	0	0	0	0	0	0	0	0.9	0	0	1.2	0	0.9	0	0.9	1.2
SLU-142	1.35	0	1.35	0	0	0	0	0	0	0.9	0	0	1.2	0	0.9	0	0.9	1.2
SLU-143	1.35	1.35	0	0	0	0	0	0	0	0	0.9	0	1.2	0	0.9	0	0.9	1.2
SLU-144	1.35	0	1.35	0	0	0	0	0	0	0	0.9	0	1.2	0	0.9	0	0.9	1.2
SLU-145	1	1.35	0	0	0	0	0	0	0	0.9	0	1.2	0	0.9	0	0	0.9	1.2
SLU-146	1	0	1.35	0	0	0	0	0	0	0.9	0	1.2	0	0.9	0	0	0.9	1.2
SLU-147	1	1.35	0	0	0	0	0	0	0	0	0.9	1.2	0	0.9	0	0	0.9	1.2
SLU-148	1	0	1.35	0	0	0	0	0	0	0	0.9	1.2	0	0.9	0	0	0.9	1.2
SLU-149	1	1.35	0	0	0	0	0	0	0	0.9	0	0	1.2	0.9	0	0	0.9	1.2
SLU-150	1	0	1.35	0	0	0	0	0	0	0.9	0	0	1.2	0.9	0	0	0.9	1.2
SLU-151	1	1.35	0	0	0	0	0	0	0	0	0.9	0	1.2	0.9	0	0	0.9	1.2
SLU-152	1	0	1.35	0	0	0	0	0	0	0	0.9	0	1.2	0.9	0	0	0.9	1.2
SLU-153	1	1.35	0	0	0	0	0	0	0	0.9	0	1.2	0	0	0.9	0	0.9	1.2
SLU-154	1	0	1.35	0	0	0	0	0	0	0.9	0	1.2	0	0	0.9	0	0.9	1.2

SLU-155	1	1.35	0	0	0	0	0	0	0	0	0.9	1.2	0	0	0.9	0	0.9	1.2
SLU-156	1	0	1.35	0	0	0	0	0	0	0	0.9	1.2	0	0	0.9	0	0.9	1.2
SLU-157	1	1.35	0	0	0	0	0	0	0	0.9	0	0	1.2	0	0.9	0	0.9	1.2
SLU-158	1	0	1.35	0	0	0	0	0	0	0.9	0	0	1.2	0	0.9	0	0.9	1.2
SLU-159	1	1.35	0	0	0	0	0	0	0	0	0.9	0	1.2	0	0.9	0	0.9	1.2
SLU-160	1	0	1.35	0	0	0	0	0	0	0	0.9	0	1.2	0	0.9	0	0.9	1.2
SLU-161	1.35	0	0	1.35	0	1.35	0	0	0	0.9	0	1.2	0	0.9	0	0	0.9	1.2
SLU-162	1.35	0	0	0	1.35	1.35	0	0	0	0.9	0	1.2	0	0.9	0	0	0.9	1.2
SLU-163	1.35	0	0	1.35	0	1.35	0	0	0	0	0.9	1.2	0	0.9	0	0	0.9	1.2
SLU-164	1.35	0	0	0	1.35	1.35	0	0	0	0	0.9	1.2	0	0.9	0	0	0.9	1.2
SLU-165	1.35	0	0	1.35	0	1.35	0	0	0	0.9	0	0	1.2	0.9	0	0	0.9	1.2
SLU-166	1.35	0	0	0	1.35	1.35	0	0	0	0.9	0	0	1.2	0.9	0	0	0.9	1.2
SLU-167	1.35	0	0	1.35	0	1.35	0	0	0	0	0.9	0	1.2	0.9	0	0	0.9	1.2
SLU-168	1.35	0	0	0	1.35	1.35	0	0	0	0	0.9	0	1.2	0.9	0	0	0.9	1.2
SLU-169	1.35	0	0	1.35	0	1.35	0	0	0	0.9	0	1.2	0	0	0.9	0	0.9	1.2
SLU-170	1.35	0	0	0	1.35	1.35	0	0	0	0.9	0	1.2	0	0	0.9	0	0.9	1.2
SLU-171	1.35	0	0	1.35	0	1.35	0	0	0	0	0.9	1.2	0	0	0.9	0	0.9	1.2
SLU-172	1.35	0	0	0	1.35	1.35	0	0	0	0	0.9	1.2	0	0	0.9	0	0.9	1.2
SLU-173	1.35	0	0	1.35	0	1.35	0	0	0	0.9	0	0	1.2	0	0.9	0	0.9	1.2
SLU-174	1.35	0	0	0	1.35	1.35	0	0	0	0.9	0	0	1.2	0	0.9	0	0.9	1.2
SLU-175	1.35	0	0	1.35	0	1.35	0	0	0	0	0.9	0	1.2	0	0.9	0	0.9	1.2
SLU-176	1.35	0	0	0	1.35	1.35	0	0	0	0	0.9	0	1.2	0	0.9	0	0.9	1.2
SLU-177	1.35	0	0	1.35	0	0	1.35	0	0	0.9	0	1.2	0	0.9	0	0	0.9	1.2
SLU-178	1.35	0	0	0	1.35	0	1.35	0	0	0.9	0	1.2	0	0.9	0	0	0.9	1.2
SLU-179	1.35	0	0	1.35	0	0	1.35	0	0	0	0.9	1.2	0	0.9	0	0	0.9	1.2
SLU-180	1.35	0	0	0	1.35	0	1.35	0	0	0	0.9	1.2	0	0.9	0	0	0.9	1.2
SLU-181	1.35	0	0	1.35	0	0	1.35	0	0	0.9	0	0	1.2	0.9	0	0	0.9	1.2
SLU-182	1.35	0	0	0	1.35	0	1.35	0	0	0.9	0	0	1.2	0.9	0	0	0.9	1.2
SLU-183	1.35	0	0	1.35	0	0	1.35	0	0	0	0.9	0	1.2	0.9	0	0	0.9	1.2
SLU-184	1.35	0	0	0	1.35	0	1.35	0	0	0	0.9	0	1.2	0.9	0	0	0.9	1.2
SLU-185	1.35	0	0	1.35	0	0	1.35	0	0	0.9	0	1.2	0	0	0.9	0	0.9	1.2
SLU-186	1.35	0	0	0	1.35	0	1.35	0	0	0.9	0	1.2	0	0	0.9	0	0.9	1.2
SLU-187	1.35	0	0	1.35	0	0	1.35	0	0	0	0.9	1.2	0	0	0.9	0	0.9	1.2
SLU-188	1.35	0	0	0	1.35	0	1.35	0	0	0	0.9	1.2	0	0	0.9	0	0.9	1.2
SLU-189	1.35	0	0	1.35	0	0	1.35	0	0	0.9	0	0	1.2	0	0.9	0	0.9	1.2
SLU-190	1.35	0	0	0	1.35	0	1.35	0	0	0.9	0	0	1.2	0	0.9	0	0.9	1.2
SLU-191	1.35	0	0	1.35	0	0	1.35	0	0	0	0.9	0	1.2	0	0.9	0	0.9	1.2
SLU-192	1.35	0	0	0	1.35	0	1.35	0	0	0	0.9	0	1.2	0	0.9	0	0.9	1.2
SLU-193	1.35	0	0	1.35	0	0	0	1.35	0	0.9	0	1.2	0	0.9	0	0	0.9	1.2
SLU-194	1.35	0	0	0	1.35	0	0	1.35	0	0.9	0	1.2	0	0.9	0	0	0.9	1.2
SLU-195	1.35	0	0	1.35	0	0	0	1.35	0	0	0.9	1.2	0	0.9	0	0	0.9	1.2
SLU-196	1.35	0	0	0	1.35	0	0	1.35	0	0	0.9	1.2	0	0.9	0	0	0.9	1.2
SLU-197	1.35	0	0	1.35	0	0	0	1.35	0	0.9	0	0	1.2	0.9	0	0	0.9	1.2
SLU-198	1.35	0	0	0	1.35	0	0	1.35	0	0.9	0	0	1.2	0.9	0	0	0.9	1.2
SLU-199	1.35	0	0	1.35	0	0	0	1.35	0	0	0.9	0	1.2	0.9	0	0	0.9	1.2
SLU-200	1.35	0	0	0	1.35	0	0	1.35	0	0	0.9	0	1.2	0.9	0	0	0.9	1.2
SLU-201	1.35	0	0	1.35	0	0	0	1.35	0	0.9	0	1.2	0	0	0.9	0	0.9	1.2
SLU-202	1.35	0	0	0	1.35	0	0	1.35	0	0.9	0	1.2	0	0	0.9	0	0.9	1.2
SLU-203	1.35	0	0	1.35	0	0	0	1.35	0	0	0.9	1.2	0	0	0.9	0	0.9	1.2
SLU-204	1.35	0	0	0	1.35	0	0	1.35	0	0	0.9	1.2	0	0	0.9	0	0.9	1.2
SLU-205	1.35	0	0	1.35	0	0	0	1.35	0	0.9	0	0	1.2	0	0.9	0	0.9	1.2
SLU-206	1.35	0	0	0	1.35	0	0	1.35	0	0.9	0	0	1.2	0	0.9	0	0.9	1.2
SLU-207	1.35	0	0	1.35	0	0	0	1.35	0	0	0.9	0	1.2	0	0.9	0	0.9	1.2
SLU-208	1.35	0	0	0	1.35	0	0	1.35	0	0	0.9	0	1.2	0	0.9	0	0.9	1.2
SLU-209	1.35	0	0	1.35	0	0	0	0	1.35	0.9	0	1.2	0	0.9	0	0	0.9	1.2
SLU-210	1.35	0	0	0	1.35	0	0	0	1.35	0.9	0	1.2	0	0.9	0	0	0.9	1.2
SLU-211	1.35	0	0	1.35	0	0	0	0	1.35	0	0.9	1.2	0	0.9	0	0	0.9	1.2

SLU-212	1.35	0	0	0	1.35	0	0	0	1.35	0	0.9	1.2	0	0.9	0	0	0.9	1.2
SLU-213	1.35	0	0	1.35	0	0	0	0	1.35	0.9	0	0	1.2	0.9	0	0	0.9	1.2
SLU-214	1.35	0	0	0	1.35	0	0	0	1.35	0.9	0	0	1.2	0.9	0	0	0.9	1.2
SLU-215	1.35	0	0	1.35	0	0	0	0	1.35	0	0.9	0	1.2	0.9	0	0	0.9	1.2
SLU-216	1.35	0	0	0	1.35	0	0	0	1.35	0	0.9	0	1.2	0.9	0	0	0.9	1.2
SLU-217	1.35	0	0	1.35	0	0	0	0	1.35	0.9	0	1.2	0	0	0.9	0	0.9	1.2
SLU-218	1.35	0	0	0	1.35	0	0	0	1.35	0.9	0	1.2	0	0	0.9	0	0.9	1.2
SLU-219	1.35	0	0	1.35	0	0	0	0	1.35	0	0.9	1.2	0	0	0.9	0	0.9	1.2
SLU-220	1.35	0	0	0	1.35	0	0	0	1.35	0	0.9	1.2	0	0	0.9	0	0.9	1.2
SLU-221	1.35	0	0	1.35	0	0	0	0	1.35	0.9	0	0	1.2	0	0.9	0	0.9	1.2
SLU-222	1.35	0	0	0	1.35	0	0	0	1.35	0.9	0	0	1.2	0	0.9	0	0.9	1.2
SLU-223	1.35	0	0	1.35	0	0	0	0	1.35	0	0.9	0	1.2	0	0.9	0	0.9	1.2
SLU-224	1.35	0	0	0	1.35	0	0	0	1.35	0	0.9	0	1.2	0	0.9	0	0.9	1.2
SLU-225	1.35	0	0	1.35	0	0	0	0	0	1.5	0	1.2	0	0.9	0	0	0.9	1.2
SLU-226	1.35	0	0	0	1.35	0	0	0	0	1.5	0	1.2	0	0.9	0	0	0.9	1.2
SLU-227	1.35	0	0	1.35	0	0	0	0	0	0	1.5	1.2	0	0.9	0	0	0.9	1.2
SLU-228	1.35	0	0	0	1.35	0	0	0	0	0	1.5	1.2	0	0.9	0	0	0.9	1.2
SLU-229	1.35	0	0	1.35	0	0	0	0	0	1.5	0	0	1.2	0.9	0	0	0.9	1.2
SLU-230	1.35	0	0	0	1.35	0	0	0	0	1.5	0	0	1.2	0.9	0	0	0.9	1.2
SLU-231	1.35	0	0	1.35	0	0	0	0	0	0	1.5	0	1.2	0.9	0	0	0.9	1.2
SLU-232	1.35	0	0	0	1.35	0	0	0	0	0	1.5	0	1.2	0.9	0	0	0.9	1.2
SLU-233	1.35	0	0	1.35	0	0	0	0	0	1.5	0	1.2	0	0	0.9	0	0.9	1.2
SLU-234	1.35	0	0	0	1.35	0	0	0	0	1.5	0	1.2	0	0	0.9	0	0.9	1.2
SLU-235	1.35	0	0	1.35	0	0	0	0	0	0	1.5	1.2	0	0	0.9	0	0.9	1.2
SLU-236	1.35	0	0	0	1.35	0	0	0	0	0	1.5	1.2	0	0	0.9	0	0.9	1.2
SLU-237	1.35	0	0	1.35	0	0	0	0	0	1.5	0	0	1.2	0	0.9	0	0.9	1.2
SLU-238	1.35	0	0	0	1.35	0	0	0	0	1.5	0	0	1.2	0	0.9	0	0.9	1.2
SLU-239	1.35	0	0	1.35	0	0	0	0	0	0	1.5	0	1.2	0	0.9	0	0.9	1.2
SLU-240	1.35	0	0	0	1.35	0	0	0	0	0	1.5	0	1.2	0	0.9	0	0.9	1.2
SLU-241	1.35	0	0	1.35	0	0	0	0	0	0.9	0	1.2	0	1.5	0	0	1.5	1.2
SLU-242	1.35	0	0	0	1.35	0	0	0	0	0.9	0	1.2	0	1.5	0	0	1.5	1.2
SLU-243	1.35	0	0	1.35	0	0	0	0	0	0	0.9	1.2	0	1.5	0	0	1.5	1.2
SLU-244	1.35	0	0	0	1.35	0	0	0	0	0	0.9	1.2	0	1.5	0	0	1.5	1.2
SLU-245	1.35	0	0	1.35	0	0	0	0	0	0.9	0	0	1.2	1.5	0	0	1.5	1.2
SLU-246	1.35	0	0	0	1.35	0	0	0	0	0.9	0	0	1.2	1.5	0	0	1.5	1.2
SLU-247	1.35	0	0	1.35	0	0	0	0	0	0	0.9	0	1.2	1.5	0	0	1.5	1.2
SLU-248	1.35	0	0	0	1.35	0	0	0	0	0	0.9	0	1.2	1.5	0	0	1.5	1.2
SLU-249	1.35	0	0	1.35	0	0	0	0	0	0.9	0	1.2	0	0	1.5	0	1.5	1.2
SLU-250	1.35	0	0	0	1.35	0	0	0	0	0.9	0	1.2	0	0	1.5	0	1.5	1.2
SLU-251	1.35	0	0	1.35	0	0	0	0	0	0	0.9	1.2	0	0	1.5	0	1.5	1.2
SLU-252	1.35	0	0	0	1.35	0	0	0	0	0	0.9	1.2	0	0	1.5	0	1.5	1.2
SLU-253	1.35	0	0	1.35	0	0	0	0	0	0.9	0	0	1.2	0	1.5	0	1.5	1.2
SLU-254	1.35	0	0	0	1.35	0	0	0	0	0.9	0	0	1.2	0	1.5	0	1.5	1.2
SLU-255	1.35	0	0	1.35	0	0	0	0	0	0	0.9	0	1.2	0	1.5	0	1.5	1.2
SLU-256	1.35	0	0	0	1.35	0	0	0	0	0	0.9	0	1.2	0	1.5	0	1.5	1.2

7.2. COMBINAZIONI SLE-RARE

NOME COMB.	G1+G 2	MOBI LI 1	MOBI LI 2	MOBI LI 1 COMB	MOBI LI 2 COMB	FREN +	FREN -	Centrfg 2	Centrfg 3	VENT O+	VENT O-	ced 1	ced 2	T-sol +	T-sol -	T-unif +	T-unif -	Ritiro
SLE-R-1	1	1	0	0	0	0	0	0	0	0.6	0	1	0	0.6	0	0.6	0	1
SLE-R-2	1	0	1	0	0	0	0	0	0	0.6	0	1	0	0.6	0	0.6	0	1
SLE-R-3	1	1	0	0	0	0	0	0	0	0	0.6	1	0	0.6	0	0.6	0	1
SLE-R-4	1	0	1	0	0	0	0	0	0	0	0.6	1	0	0.6	0	0.6	0	1
SLE-R-5	1	1	0	0	0	0	0	0	0	0.6	0	0	1	0.6	0	0.6	0	1
SLE-R-6	1	0	1	0	0	0	0	0	0	0.6	0	0	1	0.6	0	0.6	0	1

SLE-R-7	1	1	0	0	0	0	0	0	0	0	0.6	0	1	0.6	0	0.6	0	1
SLE-R-8	1	0	1	0	0	0	0	0	0	0	0.6	0	1	0.6	0	0.6	0	1
SLE-R-9	1	1	0	0	0	0	0	0	0	0.6	0	1	0	0	0.6	0.6	0	1
SLE-R-10	1	0	1	0	0	0	0	0	0	0.6	0	1	0	0	0.6	0.6	0	1
SLE-R-11	1	1	0	0	0	0	0	0	0	0	0.6	1	0	0	0.6	0.6	0	1
SLE-R-12	1	0	1	0	0	0	0	0	0	0	0.6	1	0	0	0.6	0.6	0	1
SLE-R-13	1	1	0	0	0	0	0	0	0	0.6	0	0	1	0	0.6	0.6	0	1
SLE-R-14	1	0	1	0	0	0	0	0	0	0.6	0	0	1	0	0.6	0.6	0	1
SLE-R-15	1	1	0	0	0	0	0	0	0	0	0.6	0	1	0	0.6	0.6	0	1
SLE-R-16	1	0	1	0	0	0	0	0	0	0	0.6	0	1	0	0.6	0.6	0	1
SLE-R-17	1	0	0	1	0	1	0	0	0	0.6	0	1	0	0.6	0	0.6	0	1
SLE-R-18	1	0	0	0	1	1	0	0	0	0.6	0	1	0	0.6	0	0.6	0	1
SLE-R-19	1	0	0	1	0	1	0	0	0	0	0.6	1	0	0.6	0	0.6	0	1
SLE-R-20	1	0	0	0	1	1	0	0	0	0	0.6	1	0	0.6	0	0.6	0	1
SLE-R-21	1	0	0	1	0	1	0	0	0	0.6	0	0	1	0.6	0	0.6	0	1
SLE-R-22	1	0	0	0	1	1	0	0	0	0.6	0	0	1	0.6	0	0.6	0	1
SLE-R-23	1	0	0	1	0	1	0	0	0	0	0.6	0	1	0.6	0	0.6	0	1
SLE-R-24	1	0	0	0	1	1	0	0	0	0	0.6	0	1	0.6	0	0.6	0	1
SLE-R-25	1	0	0	1	0	1	0	0	0	0.6	0	1	0	0	0.6	0.6	0	1
SLE-R-26	1	0	0	0	1	1	0	0	0	0.6	0	1	0	0	0.6	0.6	0	1
SLE-R-27	1	0	0	1	0	1	0	0	0	0	0.6	1	0	0	0.6	0.6	0	1
SLE-R-28	1	0	0	0	1	1	0	0	0	0	0.6	1	0	0	0.6	0.6	0	1
SLE-R-29	1	0	0	1	0	1	0	0	0	0.6	0	0	1	0	0.6	0.6	0	1
SLE-R-30	1	0	0	0	1	1	0	0	0	0.6	0	0	1	0	0.6	0.6	0	1
SLE-R-31	1	0	0	1	0	1	0	0	0	0	0.6	0	1	0	0.6	0.6	0	1
SLE-R-32	1	0	0	0	1	1	0	0	0	0	0.6	0	1	0	0.6	0.6	0	1
SLE-R-33	1	0	0	1	0	0	1	0	0	0.6	0	1	0	0.6	0	0.6	0	1
SLE-R-34	1	0	0	0	1	0	1	0	0	0.6	0	1	0	0.6	0	0.6	0	1
SLE-R-35	1	0	0	1	0	0	1	0	0	0	0.6	1	0	0.6	0	0.6	0	1
SLE-R-36	1	0	0	0	1	0	1	0	0	0	0.6	1	0	0.6	0	0.6	0	1
SLE-R-37	1	0	0	1	0	0	1	0	0	0.6	0	0	1	0.6	0	0.6	0	1
SLE-R-38	1	0	0	0	1	0	1	0	0	0.6	0	0	1	0.6	0	0.6	0	1
SLE-R-39	1	0	0	1	0	0	1	0	0	0	0.6	0	1	0.6	0	0.6	0	1
SLE-R-40	1	0	0	0	1	0	1	0	0	0	0.6	0	1	0.6	0	0.6	0	1
SLE-R-41	1	0	0	1	0	0	1	0	0	0.6	0	1	0	0	0.6	0.6	0	1
SLE-R-42	1	0	0	0	1	0	1	0	0	0.6	0	1	0	0	0.6	0.6	0	1
SLE-R-43	1	0	0	1	0	0	1	0	0	0	0.6	1	0	0	0.6	0.6	0	1
SLE-R-44	1	0	0	0	1	0	1	0	0	0	0.6	1	0	0	0.6	0.6	0	1
SLE-R-45	1	0	0	1	0	0	1	0	0	0.6	0	0	1	0	0.6	0.6	0	1
SLE-R-46	1	0	0	0	1	0	1	0	0	0.6	0	0	1	0	0.6	0.6	0	1
SLE-R-47	1	0	0	1	0	0	1	0	0	0	0.6	0	1	0	0.6	0.6	0	1
SLE-R-48	1	0	0	0	1	0	1	0	0	0	0.6	0	1	0	0.6	0.6	0	1
SLE-R-49	1	0	0	1	0	0	0	1	0	0.6	0	1	0	0.6	0	0.6	0	1
SLE-R-50	1	0	0	0	1	0	0	1	0	0.6	0	1	0	0.6	0	0.6	0	1
SLE-R-51	1	0	0	1	0	0	0	1	0	0	0.6	1	0	0.6	0	0.6	0	1
SLE-R-52	1	0	0	0	1	0	0	1	0	0	0.6	1	0	0.6	0	0.6	0	1
SLE-R-53	1	0	0	1	0	0	0	1	0	0.6	0	0	1	0.6	0	0.6	0	1
SLE-R-54	1	0	0	0	1	0	0	1	0	0.6	0	0	1	0.6	0	0.6	0	1
SLE-R-55	1	0	0	1	0	0	0	1	0	0	0.6	0	1	0.6	0	0.6	0	1
SLE-R-56	1	0	0	0	1	0	0	1	0	0	0.6	0	1	0.6	0	0.6	0	1
SLE-R-57	1	0	0	1	0	0	0	1	0	0.6	0	1	0	0	0.6	0.6	0	1
SLE-R-58	1	0	0	0	1	0	0	1	0	0.6	0	1	0	0	0.6	0.6	0	1
SLE-R-59	1	0	0	1	0	0	0	1	0	0	0.6	1	0	0	0.6	0.6	0	1
SLE-R-60	1	0	0	0	1	0	0	1	0	0	0.6	1	0	0	0.6	0.6	0	1
SLE-R-61	1	0	0	1	0	0	0	1	0	0.6	0	0	1	0	0.6	0.6	0	1
SLE-R-62	1	0	0	0	1	0	0	1	0	0.6	0	0	1	0	0.6	0.6	0	1
SLE-R-63	1	0	0	1	0	0	0	1	0	0	0.6	0	1	0	0.6	0.6	0	1

SLE-R-64	1	0	0	0	1	0	0	1	0	0	0.6	0	1	0	0.6	0.6	0	1
SLE-R-65	1	0	0	1	0	0	0	0	1	0.6	0	1	0	0.6	0	0.6	0	1
SLE-R-66	1	0	0	0	1	0	0	0	1	0.6	0	1	0	0.6	0	0.6	0	1
SLE-R-67	1	0	0	1	0	0	0	0	1	0	0.6	1	0	0.6	0	0.6	0	1
SLE-R-68	1	0	0	0	1	0	0	0	1	0	0.6	1	0	0.6	0	0.6	0	1
SLE-R-69	1	0	0	1	0	0	0	0	1	0.6	0	0	1	0.6	0	0.6	0	1
SLE-R-70	1	0	0	0	1	0	0	0	1	0.6	0	0	1	0.6	0	0.6	0	1
SLE-R-71	1	0	0	1	0	0	0	0	1	0	0.6	0	1	0.6	0	0.6	0	1
SLE-R-72	1	0	0	0	1	0	0	0	1	0	0.6	0	1	0.6	0	0.6	0	1
SLE-R-73	1	0	0	1	0	0	0	0	1	0.6	0	1	0	0	0.6	0.6	0	1
SLE-R-74	1	0	0	0	1	0	0	0	1	0.6	0	1	0	0	0.6	0.6	0	1
SLE-R-75	1	0	0	1	0	0	0	0	1	0	0.6	1	0	0	0.6	0.6	0	1
SLE-R-76	1	0	0	0	1	0	0	0	1	0	0.6	1	0	0	0.6	0.6	0	1
SLE-R-77	1	0	0	1	0	0	0	0	1	0.6	0	0	1	0	0.6	0.6	0	1
SLE-R-78	1	0	0	0	1	0	0	0	1	0.6	0	0	1	0	0.6	0.6	0	1
SLE-R-79	1	0	0	1	0	0	0	0	1	0	0.6	0	1	0	0.6	0.6	0	1
SLE-R-80	1	0	0	0	1	0	0	0	1	0	0.6	0	1	0	0.6	0.6	0	1
SLE-R-81	1	0	0	1	0	0	0	0	0	1	0	1	0	0.6	0	0.6	0	1
SLE-R-82	1	0	0	0	1	0	0	0	0	1	0	1	0	0.6	0	0.6	0	1
SLE-R-83	1	0	0	1	0	0	0	0	0	0	1	1	0	0.6	0	0.6	0	1
SLE-R-84	1	0	0	0	1	0	0	0	0	0	1	1	0	0.6	0	0.6	0	1
SLE-R-85	1	0	0	1	0	0	0	0	0	1	0	0	1	0.6	0	0.6	0	1
SLE-R-86	1	0	0	0	1	0	0	0	0	1	0	0	1	0.6	0	0.6	0	1
SLE-R-87	1	0	0	1	0	0	0	0	0	0	1	0	1	0.6	0	0.6	0	1
SLE-R-88	1	0	0	0	1	0	0	0	0	0	1	0	1	0.6	0	0.6	0	1
SLE-R-89	1	0	0	1	0	0	0	0	0	1	0	1	0	0	0.6	0.6	0	1
SLE-R-90	1	0	0	0	1	0	0	0	0	1	0	1	0	0	0.6	0.6	0	1
SLE-R-91	1	0	0	1	0	0	0	0	0	0	1	1	0	0	0.6	0.6	0	1
SLE-R-92	1	0	0	0	1	0	0	0	0	0	1	1	0	0	0.6	0.6	0	1
SLE-R-93	1	0	0	1	0	0	0	0	0	1	0	0	1	0	0.6	0.6	0	1
SLE-R-94	1	0	0	0	1	0	0	0	0	1	0	0	1	0	0.6	0.6	0	1
SLE-R-95	1	0	0	1	0	0	0	0	0	0	1	0	1	0	0.6	0.6	0	1
SLE-R-96	1	0	0	0	1	0	0	0	0	0	1	0	1	0	0.6	0.6	0	1
SLE-R-97	1	0	0	1	0	0	0	0	0	0.6	0	1	0	1	0	1	0	1
SLE-R-98	1	0	0	0	1	0	0	0	0	0.6	0	1	0	1	0	1	0	1
SLE-R-99	1	0	0	1	0	0	0	0	0	0	0.6	1	0	1	0	1	0	1
SLE-R-100	1	0	0	0	1	0	0	0	0	0	0.6	1	0	1	0	1	0	1
SLE-R-101	1	0	0	1	0	0	0	0	0	0.6	0	0	1	1	0	1	0	1
SLE-R-102	1	0	0	0	1	0	0	0	0	0.6	0	0	1	1	0	1	0	1
SLE-R-103	1	0	0	1	0	0	0	0	0	0	0.6	0	1	1	0	1	0	1
SLE-R-104	1	0	0	0	1	0	0	0	0	0	0.6	0	1	1	0	1	0	1
SLE-R-105	1	0	0	1	0	0	0	0	0	0.6	0	1	0	0	1	1	0	1
SLE-R-106	1	0	0	0	1	0	0	0	0	0.6	0	1	0	0	1	1	0	1
SLE-R-107	1	0	0	1	0	0	0	0	0	0	0.6	1	0	0	1	1	0	1
SLE-R-108	1	0	0	0	1	0	0	0	0	0	0.6	1	0	0	1	1	0	1
SLE-R-109	1	0	0	1	0	0	0	0	0	0.6	0	0	1	0	1	1	0	1
SLE-R-110	1	0	0	0	1	0	0	0	0	0.6	0	0	1	0	1	1	0	1
SLE-R-111	1	0	0	1	0	0	0	0	0	0	0.6	0	1	0	1	1	0	1
SLE-R-112	1	0	0	0	1	0	0	0	0	0	0.6	0	1	0	1	1	0	1
SLE-R-113	1	1	0	0	0	0	0	0	0	0.6	0	1	0	0.6	0	0	0.6	1
SLE-R-114	1	0	1	0	0	0	0	0	0	0.6	0	1	0	0.6	0	0	0.6	1
SLE-R-115	1	1	0	0	0	0	0	0	0	0	0.6	1	0	0.6	0	0	0.6	1
SLE-R-116	1	0	1	0	0	0	0	0	0	0	0.6	1	0	0.6	0	0	0.6	1
SLE-R-117	1	1	0	0	0	0	0	0	0	0.6	0	0	1	0.6	0	0	0.6	1
SLE-R-118	1	0	1	0	0	0	0	0	0	0.6	0	0	1	0.6	0	0	0.6	1
SLE-R-119	1	1	0	0	0	0	0	0	0	0	0.6	0	1	0.6	0	0	0.6	1
SLE-R-120	1	0	1	0	0	0	0	0	0	0	0.6	0	1	0.6	0	0	0.6	1

SLE-R-121	1	1	0	0	0	0	0	0	0	0.6	0	1	0	0	0.6	0	0.6	1	
SLE-R-122	1	0	1	0	0	0	0	0	0	0.6	0	1	0	0	0.6	0	0.6	1	
SLE-R-123	1	1	0	0	0	0	0	0	0	0	0.6	1	0	0	0.6	0	0.6	1	
SLE-R-124	1	0	1	0	0	0	0	0	0	0	0.6	1	0	0	0.6	0	0.6	1	
SLE-R-125	1	1	0	0	0	0	0	0	0	0.6	0	0	1	0	0.6	0	0.6	1	
SLE-R-126	1	0	1	0	0	0	0	0	0	0.6	0	0	1	0	0.6	0	0.6	1	
SLE-R-127	1	1	0	0	0	0	0	0	0	0	0.6	0	1	0	0.6	0	0.6	1	
SLE-R-128	1	0	1	0	0	0	0	0	0	0	0.6	0	1	0	0.6	0	0.6	1	
SLE-R-129	1	0	0	1	0	1	0	0	0	0.6	0	1	0	0.6	0	0	0.6	1	
SLE-R-130	1	0	0	0	1	1	0	0	0	0.6	0	1	0	0.6	0	0	0.6	1	
SLE-R-131	1	0	0	1	0	1	0	0	0	0	0.6	1	0	0.6	0	0	0.6	1	
SLE-R-132	1	0	0	0	1	1	0	0	0	0	0.6	1	0	0.6	0	0	0.6	1	
SLE-R-133	1	0	0	1	0	1	0	0	0	0.6	0	0	1	0.6	0	0	0.6	1	
SLE-R-134	1	0	0	0	1	1	0	0	0	0.6	0	0	1	0.6	0	0	0.6	1	
SLE-R-135	1	0	0	1	0	1	0	0	0	0	0.6	0	1	0.6	0	0	0.6	1	
SLE-R-136	1	0	0	0	1	1	0	0	0	0	0.6	0	1	0.6	0	0	0.6	1	
SLE-R-137	1	0	0	1	0	1	0	0	0	0.6	0	1	0	0	0.6	0	0.6	1	
SLE-R-138	1	0	0	0	1	1	0	0	0	0.6	0	1	0	0	0.6	0	0.6	1	
SLE-R-139	1	0	0	1	0	1	0	0	0	0	0.6	1	0	0	0.6	0	0.6	1	
SLE-R-140	1	0	0	0	1	1	0	0	0	0	0.6	1	0	0	0.6	0	0.6	1	
SLE-R-141	1	0	0	1	0	1	0	0	0	0.6	0	0	1	0	0.6	0	0.6	1	
SLE-R-142	1	0	0	0	1	1	0	0	0	0.6	0	0	1	0	0.6	0	0.6	1	
SLE-R-143	1	0	0	1	0	1	0	0	0	0	0.6	0	1	0	0.6	0	0.6	1	
SLE-R-144	1	0	0	0	1	1	0	0	0	0	0.6	0	1	0	0.6	0	0.6	1	
SLE-R-145	1	0	0	1	0	0	1	0	0	0.6	0	1	0	0.6	0	0	0.6	1	
SLE-R-146	1	0	0	0	1	0	1	0	0	0.6	0	1	0	0.6	0	0	0.6	1	
SLE-R-147	1	0	0	1	0	0	1	0	0	0	0.6	1	0	0.6	0	0	0.6	1	
SLE-R-148	1	0	0	0	1	0	1	0	0	0	0.6	1	0	0.6	0	0	0.6	1	
SLE-R-149	1	0	0	1	0	0	1	0	0	0.6	0	0	1	0.6	0	0	0.6	1	
SLE-R-150	1	0	0	0	1	0	1	0	0	0.6	0	0	1	0.6	0	0	0.6	1	
SLE-R-151	1	0	0	1	0	0	1	0	0	0	0.6	0	1	0.6	0	0	0.6	1	
SLE-R-152	1	0	0	0	1	0	1	0	0	0	0.6	0	1	0.6	0	0	0.6	1	
SLE-R-153	1	0	0	1	0	0	1	0	0	0.6	0	1	0	0	0.6	0	0.6	1	
SLE-R-154	1	0	0	0	1	0	1	0	0	0.6	0	1	0	0	0.6	0	0.6	1	
SLE-R-155	1	0	0	1	0	0	1	0	0	0	0.6	1	0	0	0.6	0	0.6	1	
SLE-R-156	1	0	0	0	1	0	1	0	0	0	0.6	1	0	0	0.6	0	0.6	1	
SLE-R-157	1	0	0	1	0	0	1	0	0	0.6	0	0	1	0	0.6	0	0.6	1	
SLE-R-158	1	0	0	0	1	0	1	0	0	0.6	0	0	1	0	0.6	0	0.6	1	
SLE-R-159	1	0	0	1	0	0	1	0	0	0	0.6	0	1	0	0.6	0	0.6	1	
SLE-R-160	1	0	0	0	1	0	1	0	0	0	0.6	0	1	0	0.6	0	0.6	1	
SLE-R-161	1	0	0	1	0	0	0	1	0	0.6	0	1	0	0.6	0	0	0.6	1	
SLE-R-162	1	0	0	0	1	0	0	1	0	0.6	0	1	0	0.6	0	0	0.6	1	
SLE-R-163	1	0	0	1	0	0	0	1	0	0	0.6	1	0	0.6	0	0	0.6	1	
SLE-R-164	1	0	0	0	1	0	0	1	0	0	0.6	1	0	0.6	0	0	0.6	1	
SLE-R-165	1	0	0	1	0	0	0	1	0	0.6	0	0	1	0.6	0	0	0.6	1	
SLE-R-166	1	0	0	0	1	0	0	1	0	0.6	0	0	1	0.6	0	0	0.6	1	
SLE-R-167	1	0	0	1	0	0	0	1	0	0	0.6	0	1	0.6	0	0	0.6	1	
SLE-R-168	1	0	0	0	1	0	0	1	0	0	0.6	0	1	0.6	0	0	0.6	1	
SLE-R-169	1	0	0	1	0	0	0	1	0	0.6	0	1	0	0	0.6	0	0.6	1	
SLE-R-170	1	0	0	0	1	0	0	1	0	0.6	0	1	0	0	0.6	0	0.6	1	
SLE-R-171	1	0	0	1	0	0	0	1	0	0	0.6	1	0	0	0.6	0	0.6	1	
SLE-R-172	1	0	0	0	1	0	0	1	0	0	0.6	1	0	0	0.6	0	0.6	1	
SLE-R-173	1	0	0	1	0	0	0	1	0	0.6	0	0	1	0	0.6	0	0.6	1	
SLE-R-174	1	0	0	0	1	0	0	1	0	0	0.6	0	0	1	0	0.6	0	0.6	1
SLE-R-175	1	0	0	1	0	0	0	1	0	0	0.6	0	1	0	0.6	0	0.6	1	
SLE-R-176	1	0	0	0	1	0	0	1	0	0	0.6	0	1	0	0.6	0	0.6	1	
SLE-R-177	1	0	0	1	0	0	0	0	1	0.6	0	1	0	0.6	0	0	0.6	1	

SLE-R-178	1	0	0	0	1	0	0	0	1	0.6	0	1	0	0.6	0	0	0.6	1
SLE-R-179	1	0	0	1	0	0	0	0	1	0	0.6	1	0	0.6	0	0	0.6	1
SLE-R-180	1	0	0	0	1	0	0	0	1	0	0.6	1	0	0.6	0	0	0.6	1
SLE-R-181	1	0	0	1	0	0	0	0	1	0.6	0	0	1	0.6	0	0	0.6	1
SLE-R-182	1	0	0	0	1	0	0	0	1	0.6	0	0	1	0.6	0	0	0.6	1
SLE-R-183	1	0	0	1	0	0	0	0	1	0	0.6	0	1	0.6	0	0	0.6	1
SLE-R-184	1	0	0	0	1	0	0	0	1	0	0.6	0	1	0.6	0	0	0.6	1
SLE-R-185	1	0	0	1	0	0	0	0	1	0.6	0	1	0	0	0.6	0	0.6	1
SLE-R-186	1	0	0	0	1	0	0	0	1	0.6	0	1	0	0	0.6	0	0.6	1
SLE-R-187	1	0	0	1	0	0	0	0	1	0	0.6	1	0	0	0.6	0	0.6	1
SLE-R-188	1	0	0	0	1	0	0	0	1	0	0.6	1	0	0	0.6	0	0.6	1
SLE-R-189	1	0	0	1	0	0	0	0	1	0.6	0	0	1	0	0.6	0	0.6	1
SLE-R-190	1	0	0	0	1	0	0	0	1	0.6	0	0	1	0	0.6	0	0.6	1
SLE-R-191	1	0	0	1	0	0	0	0	1	0	0.6	0	1	0	0.6	0	0.6	1
SLE-R-192	1	0	0	0	1	0	0	0	1	0	0.6	0	1	0	0.6	0	0.6	1
SLE-R-193	1	0	0	1	0	0	0	0	0	1	0	1	0	0.6	0	0	0.6	1
SLE-R-194	1	0	0	0	1	0	0	0	0	1	0	1	0	0.6	0	0	0.6	1
SLE-R-195	1	0	0	1	0	0	0	0	0	0	1	1	0	0.6	0	0	0.6	1
SLE-R-196	1	0	0	0	1	0	0	0	0	0	1	1	0	0.6	0	0	0.6	1
SLE-R-197	1	0	0	1	0	0	0	0	0	1	0	0	1	0.6	0	0	0.6	1
SLE-R-198	1	0	0	0	1	0	0	0	0	1	0	0	1	0.6	0	0	0.6	1
SLE-R-199	1	0	0	1	0	0	0	0	0	0	1	0	1	0.6	0	0	0.6	1
SLE-R-200	1	0	0	0	1	0	0	0	0	0	1	0	1	0.6	0	0	0.6	1
SLE-R-201	1	0	0	1	0	0	0	0	0	1	0	1	0	0	0.6	0	0.6	1
SLE-R-202	1	0	0	0	1	0	0	0	0	1	0	1	0	0	0.6	0	0.6	1
SLE-R-203	1	0	0	1	0	0	0	0	0	0	1	1	0	0	0.6	0	0.6	1
SLE-R-204	1	0	0	0	1	0	0	0	0	0	1	1	0	0	0.6	0	0.6	1
SLE-R-205	1	0	0	1	0	0	0	0	0	1	0	0	1	0	0.6	0	0.6	1
SLE-R-206	1	0	0	0	1	0	0	0	0	1	0	0	1	0	0.6	0	0.6	1
SLE-R-207	1	0	0	1	0	0	0	0	0	0	1	0	1	0	0.6	0	0.6	1
SLE-R-208	1	0	0	0	1	0	0	0	0	0	1	0	1	0	0.6	0	0.6	1
SLE-R-209	1	0	0	1	0	0	0	0	0	0.6	0	1	0	1	0	0	1	1
SLE-R-210	1	0	0	0	1	0	0	0	0	0.6	0	1	0	1	0	0	1	1
SLE-R-211	1	0	0	1	0	0	0	0	0	0	0.6	1	0	1	0	0	1	1
SLE-R-212	1	0	0	0	1	0	0	0	0	0	0.6	1	0	1	0	0	1	1
SLE-R-213	1	0	0	1	0	0	0	0	0	0.6	0	0	1	1	0	0	1	1
SLE-R-214	1	0	0	0	1	0	0	0	0	0.6	0	0	1	1	0	0	1	1
SLE-R-215	1	0	0	1	0	0	0	0	0	0	0.6	0	1	1	0	0	1	1
SLE-R-216	1	0	0	1	0	0	0	0	0	0	0.6	0	1	1	0	0	1	1
SLE-R-217	1	0	0	1	0	0	0	0	0	0.6	0	1	0	0	1	0	1	1
SLE-R-218	1	0	0	0	1	0	0	0	0	0.6	0	1	0	0	1	0	1	1
SLE-R-219	1	0	0	1	0	0	0	0	0	0	0.6	1	0	0	1	0	1	1
SLE-R-220	1	0	0	0	1	0	0	0	0	0	0.6	1	0	0	1	0	1	1
SLE-R-221	1	0	0	1	0	0	0	0	0	0.6	0	0	1	0	1	0	1	1
SLE-R-222	1	0	0	0	1	0	0	0	0	0.6	0	0	1	0	1	0	1	1
SLE-R-223	1	0	0	1	0	0	0	0	0	0	0.6	0	1	0	1	0	1	1
SLE-R-224	1	0	0	0	1	0	0	0	0	0	0.6	0	1	0	1	0	1	1

7.3. COMBINAZIONI SLE-FREQUENTI

NOME COMB.	G1+G 2	MOBI LI 1	MOBI LI 2	MOBI LI 1 COMB	MOBI LI 2 COMB	FREN +	FRE N-	Centrfg 2	Centrfg 3	VENT O+	VENT O-	ced 1	ced 2	T-sol +	T-sol -	T-unif +	T-unif -	Ritiro
SLE-FR-1	1	0	0	1	0	0	0	0	0	0	0	1	0	0.5	0	0.5	0	1
SLE-FR-2	1	0	0	0	1	0	0	0	0	0	0	1	0	0.5	0	0.5	0	1
SLE-FR-3	1	0	0	1	0	0	0	0	0	0	0	1	0	0.5	0	0.5	0	1
SLE-FR-4	1	0	0	0	1	0	0	0	0	0	0	1	0	0.5	0	0.5	0	1

SLE-FR-5	1	0	0	1	0	0	0	0	0	0	0	1	0	0.5	0	0.5	0	1
SLE-FR-6	1	0	0	0	1	0	0	0	0	0	0	1	0	0.5	0	0.5	0	1
SLE-FR-7	1	0	0	1	0	0	0	0	0	0	0	0	1	0.5	0	0.5	0	1
SLE-FR-8	1	0	0	0	1	0	0	0	0	0	0	0	1	0.5	0	0.5	0	1
SLE-FR-9	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0.5	0.5	0	1
SLE-FR-10	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0.5	0.5	0	1
SLE-FR-11	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0.5	0.5	0	1
SLE-FR-12	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0.5	0.5	0	1
SLE-FR-13	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0.5	0.5	0	1
SLE-FR-14	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0.5	0.5	0	1
SLE-FR-15	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0.5	0.5	0	1
SLE-FR-16	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0.5	0.5	0	1
SLE-FR-17	1	0	0	0	0	0	0	0	0	0.2	0	1	0	0.5	0	0.5	0	1
SLE-FR-18	1	0	0	0	0	0	0	0	0	0	0.2	1	0	0.5	0	0.5	0	1
SLE-FR-19	1	0	0	0	0	0	0	0	0	0.2	0	0	1	0.5	0	0.5	0	1
SLE-FR-20	1	0	0	0	0	0	0	0	0	0	0.2	0	1	0.5	0	0.5	0	1
SLE-FR-21	1	0	0	0	0	0	0	0	0	0.2	0	1	0	0	0.5	0.5	0	1
SLE-FR-22	1	0	0	0	0	0	0	0	0	0	0.2	1	0	0	0.5	0.5	0	1
SLE-FR-23	1	0	0	0	0	0	0	0	0	0.2	0	0	1	0	0.5	0.5	0	1
SLE-FR-24	1	0	0	0	0	0	0	0	0	0	0.2	0	1	0	0.5	0.5	0	1
SLE-FR-25	1	0	0	0	0	0	0	0	0	0	0	1	0	0.6	0	0.6	0	1
SLE-FR-26	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0.6	0.6	0	1
SLE-FR-27	1	0	0	0	0	0	0	0	0	0	0	0	1	0.6	0	0.6	0	1
SLE-FR-28	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0.6	0.6	0	1
SLE-FR-29	1	0	0	1	0	0	0	0	0	0	0	1	0	0.5	0	0	0.5	1
SLE-FR-30	1	0	0	0	1	0	0	0	0	0	0	1	0	0.5	0	0	0.5	1
SLE-FR-31	1	0	0	1	0	0	0	0	0	0	0	0	1	0.5	0	0	0.5	1
SLE-FR-32	1	0	0	0	1	0	0	0	0	0	0	0	1	0.5	0	0	0.5	1
SLE-FR-33	1	0	0	1	0	0	0	0	0	0	0	1	0	0.5	0	0	0.5	1
SLE-FR-34	1	0	0	0	1	0	0	0	0	0	0	1	0	0.5	0	0	0.5	1
SLE-FR-35	1	0	0	1	0	0	0	0	0	0	0	0	1	0.5	0	0	0.5	1
SLE-FR-36	1	0	0	0	1	0	0	0	0	0	0	0	1	0.5	0	0	0.5	1
SLE-FR-37	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0.5	0	0.5	1
SLE-FR-38	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0.5	0	0.5	1
SLE-FR-39	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0.5	0	0.5	1
SLE-FR-40	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0.5	0	0.5	1
SLE-FR-41	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0.5	0	0.5	1
SLE-FR-42	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0.5	0	0.5	1
SLE-FR-43	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0.5	0	0.5	1
SLE-FR-44	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0.5	0	0.5	1
SLE-FR-45	1	0	0	0	0	0	0	0	0	0.2	0	1	0	0.5	0	0	0.5	1
SLE-FR-46	1	0	0	0	0	0	0	0	0	0	0.2	1	0	0.5	0	0	0.5	1
SLE-FR-47	1	0	0	0	0	0	0	0	0	0.2	0	0	1	0.5	0	0	0.5	1
SLE-FR-48	1	0	0	0	0	0	0	0	0	0	0.2	0	1	0.5	0	0	0.5	1
SLE-FR-49	1	0	0	0	0	0	0	0	0	0.2	0	1	0	0	0.5	0	0.5	1
SLE-FR-50	1	0	0	0	0	0	0	0	0	0	0.2	1	0	0	0.5	0	0.5	1
SLE-FR-51	1	0	0	0	0	0	0	0	0	0.2	0	0	1	0	0.5	0	0.5	1
SLE-FR-52	1	0	0	0	0	0	0	0	0	0	0.2	0	1	0	0.5	0	0.5	1
SLE-FR-53	1	0	0	0	0	0	0	0	0	0	0	1	0	0.6	0	0	0.6	1
SLE-FR-54	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0.6	0	0.6	1
SLE-FR-55	1	0	0	0	0	0	0	0	0	0	0	0	1	0.6	0	0	0.6	1
SLE-FR-56	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0.6	0	0.6	1

7.4. COMBINAZIONI SLE-QUASI PERMANENTI

G1+G 2	MOBI LI 1	MOBI LI 2	MOBI LI 1 COMB	MOBI LI 2 COMB	FREN +	FRE N-	Centrfg 2	Centrfg 3	VENT O+	VENT O-	ced 1	ced 2	T-sol +	T-sol -	T-unif +	T-unif- -	Ritir o
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NOME COMB.	1	0	0	0	0	0	0	0	0	0	0	1	0	0.5	0	0.5	0	1
SLE-QP-1	1	0	0	0	0	0	0	0	0	0	0	1	0	0.5	0	0.5	0	1
SLE-QP-2	1	0	0	0	0	0	0	0	0	0	0	0	1	0.5	0	0.5	0	1
SLE-QP-3	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0.5	0.5	0	1
SLE-QP-4	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0.5	0.5	0	1
SLE-QP-5	1	0	0	0	0	0	0	0	0	0	0	1	0	0.5	0	0	0.5	1
SLE-QP-6	1	0	0	0	0	0	0	0	0	0	0	0	1	0.5	0	0	0.5	1
SLE-QP-7	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0.5	0	0.5	1
SLE-QP-8	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0.5	0	0.5	1

7.5. COMBINAZIONI SISMICHE

NOME COMB.	G1+G2	FREN -	VENTO +	VENTO -	CED 1	CED 2	Tsol+	Tsol-	Tunif+	Tunif-	Ritiro	Sisma X	Sisma Y	Sisma Z
SLV-1	1	0	0	0	1	0	0.5	0	0.175	0	1	1	0.3	0.3
SLV-2	1	0	0	0	1	0	0.5	0	0.175	0	1	-1	-0.3	-0.3
SLV-3	1	0	0	0	0	1	0.5	0	0.175	0	1	1	0.3	0.3
SLV-4	1	0	0	0	0	1	0.5	0	0.175	0	1	-1	-0.3	-0.3
SLV-5	1	0	0	0	1	0	0	0.5	0.175	0	1	1	0.3	0.3
SLV-6	1	0	0	0	1	0	0	0.5	0.175	0	1	-1	-0.3	-0.3
SLV-7	1	0	0	0	0	1	0	0.5	0.175	0	1	1	0.3	0.3
SLV-8	1	0	0	0	0	1	0	0.5	0.175	0	1	-1	-0.3	-0.3
SLV-9	1	0	0	0	1	0	0.5	0	0.175	0	1	0.3	1	0.3
SLV-10	1	0	0	0	1	0	0.5	0	0.175	0	1	-0.3	-1	-0.3
SLV-11	1	0	0	0	0	1	0.5	0	0.175	0	1	0.3	1	0.3
SLV-12	1	0	0	0	0	1	0.5	0	0.175	0	1	-0.3	-1	-0.3
SLV-13	1	0	0	0	1	0	0	0.5	0.175	0	1	0.3	1	0.3
SLV-14	1	0	0	0	1	0	0	0.5	0.175	0	1	-0.3	-1	-0.3
SLV-15	1	0	0	0	0	1	0	0.5	0.175	0	1	0.3	1	0.3
SLV-16	1	0	0	0	0	1	0	0.5	0.175	0	1	-0.3	-1	-0.3
SLV-17	1	0	0	0	1	0	0.5	0	0.175	0	1	0.3	0.3	1
SLV-18	1	0	0	0	1	0	0.5	0	0.175	0	1	-0.3	-0.3	-1
SLV-19	1	0	0	0	0	1	0.5	0	0.175	0	1	0.3	0.3	1
SLV-20	1	0	0	0	0	1	0.5	0	0.175	0	1	-0.3	-0.3	-1
SLV-21	1	0	0	0	1	0	0	0.5	0.175	0	1	0.3	0.3	1
SLV-22	1	0	0	0	1	0	0	0.5	0.175	0	1	-0.3	-0.3	-1
SLV-23	1	0	0	0	0	1	0	0.5	0.175	0	1	0.3	0.3	1
SLV-24	1	0	0	0	0	1	0	0.5	0.175	0	1	-0.3	-0.3	-1

8. CRITERI GENERALI DI PROGETTAZIONE

Le verifiche geotecniche (GEO) e strutturali (STR) vengono effettuate facendo riferimento al metodo semi-probabilistico agli stati limite, in cui la sicurezza strutturale deve essere verificata tramite il confronto tra la resistenza e l'effetto delle azioni.

Vengono considerati sia gli stati limite ultimi, che sono quelli associati al collasso della struttura (o dell'insieme struttura-terreno) o alla rottura di parti di essa, sia gli stati limite di esercizio, che corrispondono a condizioni oltre le quali specifiche richieste d'uso per una struttura o per un elemento strutturale non sono più soddisfatte.

Le verifiche di sicurezza vengono condotte secondo il Metodo dei coefficienti parziali: l'affidabilità viene ottenuta verificando che, in tutte le situazioni progettuali significative, gli stati limite non vengono raggiunti quando i valori di progetto delle azioni, delle proprietà del materiale e dei dati geometrici sono introdotti nei modelli progettuali, questo si traduce nell'equazione formale:

$$R_d \geq E_d$$

dove:

R_d è la resistenza di progetto del sistema, valutata in base ai valori di progetto della resistenza dei materiali e ai valori nominali delle grandezze geometriche interessate;

E_d è il valore di progetto dell'effetto delle azioni, valutato in base ai valori di progetto $F_{dj} = F_{kj} \cdot \psi_j$ delle azioni o direttamente $E_{dj} = E_{kj} \cdot \psi_j$.

I coefficienti parziali di sicurezza, ψ_j e ψ_{Mj} , associati rispettivamente al materiale i -esimo e all'azione j -esima, tengono in conto la variabilità delle rispettive grandezze e le incertezze relative alle tolleranze geometriche e alla affidabilità del modello di calcolo.

Il non raggiungimento delle situazioni limite è da intendersi in senso probabilistico ("misura della sicurezza"), cioè implicitamente si assume che la probabilità di raggiungere una certa situazione limite, durante la vita nominale della struttura (o durante l'orizzonte temporale di riferimento nel caso di una fase transitoria), sia inferiore ad un valore prefissato, comunque piccolo ("affidabilità").

In particolare, per l'opera in esame saranno considerati i seguenti stati limite:

8.1. VERIFICHE SLU

Per ogni stato limite ultimo che preveda il raggiungimento della resistenza di un elemento strutturale (STR) o del terreno (GEO), deve essere rispettata la condizione:

$$E_d \leq R_d$$

dove:

E_d è il valore di progetto dell'azione o dell'effetto dell'azione:

$$E_d = E[\gamma_F F_k; X_k / \gamma_M; a_d]$$

ovvero:

$$E_d = \gamma_E E[F_k; X_k / \gamma_M; a_d]$$

R_d è il valore di progetto della resistenza, espresso come:

$$R_d = \frac{1}{\gamma_R} R[\gamma_F F_k; \frac{X_k}{\gamma_M}; a_d]$$

Il coefficiente parziale di sicurezza γ_R opera direttamente sulla resistenza del sistema.

In accordo a quanto stabilito al cap.2.6.1 delle NTC le verifiche devono essere effettuate impiegando i seguenti coefficienti parziali definiti rispettivamente per azioni (A1 e A2), per i parametri geotecnici (M1 e M2) e per le resistenze (R1, R2 e R3).

	Effetto	Coefficiente Parziale γ_F (o γ_E)	EQU	(A1)	(A2)
Carichi permanenti G_1	Favorevole	γ_{G1}	0,9	1,0	1,0
	Sfavorevole		1,1	1,3	1,0
Carichi permanenti $G_2^{(1)}$	Favorevole	γ_{G2}	0,8	0,8	0,8
	Sfavorevole		1,5	1,5	1,3
Azioni variabili Q	Favorevole	γ_{Qi}	0,0	0,0	0,0
	Sfavorevole		1,5	1,5	1,3

Tabella 5 Coefficienti parziali per le azioni

Parametro	Grandezza alla quale applicare il coefficiente parziale	Coefficiente parziale γ_M	(M1)	(M2)
Tangente dell'angolo di resistenza al taglio	$\tan \phi'_k$	$\gamma_{\phi'}$	1,0	1,25
Coesione efficace	c'_k	$\gamma_{c'}$	1,0	1,25
Resistenza non drenata	c_{uk}	γ_{cu}	1,0	1,4
Peso dell'unità di volume	γ_Y	γ_Y	1,0	1,0

Tabella 6 Coefficienti parziali per i parametri geotecnici

Le verifiche strutturali (STR) saranno condotte adottando coefficienti parziali per azioni A1 ed i coefficienti di resistenza saranno assunti pari all'unità.

Le verifiche geotecniche (GEO) di saranno eseguite adottando l'approccio A1+M1+R3.

Tabella 7 Coefficienti parziali per la verifica di fondazioni superficiali

I criteri di verifica adottati, necessari alla definizione delle resistenze R_d , saranno quelli messi a disposizione delle normative sopra riportate, o desunti da documenti di comprovata validità.

8.2. Verifiche SLE

Le verifiche in condizioni di esercizio saranno svolte ponendo pari all'unità i coefficienti parziali sulle azioni ed impiegando i parametri geotecnici e le resistenze caratteristiche.

, per il controllo delle tensioni si farà riferimento a quanto indicato al cap. 4.1.2.2.5

Per la verifica dello stato limite di fessurazione si farà riferimento al cap. 4.1.2.2.4.

Condizioni ambientali	Classe di esposizione
Ordinarie	X0, XC1, XC2, XC3, XF1
Aggressive	XC4, XD1, XS1, XA1, XA2, XF2, XF3
Molto aggressive	XD2, XD3, XS2, XS3, XA3, XF4

Tabella 8 Descrizione delle condizioni ambientali

Le armature previste, essendo di tipo ordinario, risultano poco sensibili alla corrosione.

Gruppi di Esigenze	Condizioni ambientali	Combinazione di azioni	Armatura			
			Sensibile		Poco sensibile	
			Stato limite	w_k	Stato limite	w_k
A	Ordinarie	frequente	apertura fessure	$\leq w_2$	apertura fessure	$\leq w_3$
		quasi permanente	apertura fessure	$\leq w_1$	apertura fessure	$\leq w_2$
B	Aggressive	frequente	apertura fessure	$\leq w_1$	apertura fessure	$\leq w_2$
		quasi permanente	decompressione	-	apertura fessure	$\leq w_1$
C	Molto aggressive	frequente	formazione fessure	-	apertura fessure	$\leq w_1$
		quasi permanente	decompressione	-	apertura fessure	$\leq w_1$

Tabella 9 Criteri di scelta dello stato limite di fessurazione

9. METODI DI ANALISI

Per il caso in esame sono state eseguite analisi dinamiche lineari, considerando la struttura di tipo isolata.

L'analisi lineare può essere utilizzata per calcolare la domanda sismica nel caso di comportamento strutturale sia non dissipativo che dissipativo. In entrambi i casi la domanda sismica è calcolata, quale che sia la modellazione utilizzata per l'azione sismica, riferendosi allo spettro di progetto ottenuto, per ogni stato limite, assumendo per il fattore di comportamento q , i limiti sopra riportati.

Per le costruzioni in cui la risposta sismica, in ogni direzione principale, non dipenda significativamente dai modi di vibrare superiori, è possibile utilizzare il metodo delle forze laterali o "analisi statica lineare". In essa l'equilibrio è trattato staticamente, l'analisi della struttura è lineare e l'azione sismica è modellata attraverso lo spettro di progetto.

Per la spalla viene dunque eseguita un'analisi pseudostatica in condizione di equilibrio limite in riferimento al punto 7.11.6.2.1 delle NTC2018.

L'analisi lineare statica pertanto consiste nell'applicazione di forze statiche equivalenti alle forze d'inerzia indotte dall'azione sismica.

Anche per l'analisi statica lineare, la risposta è calcolata unitariamente per le tre componenti, applicando l'espressione:

$$1.00E_x + 0.30E_y + 0.30E_z$$

Gli effetti più gravosi si ricavano dal confronto tra le tre combinazioni ottenute permutando circolarmente i coefficienti moltiplicativi.

10. MODELLAZIONE NUMERICA

10.1. SOFTWARE DI CALCOLO

Per l'esecuzione delle analisi sopra riportate è stato utilizzato il software di calcolo SAP2000 del quale si riportano gli estremi nella figura seguente.

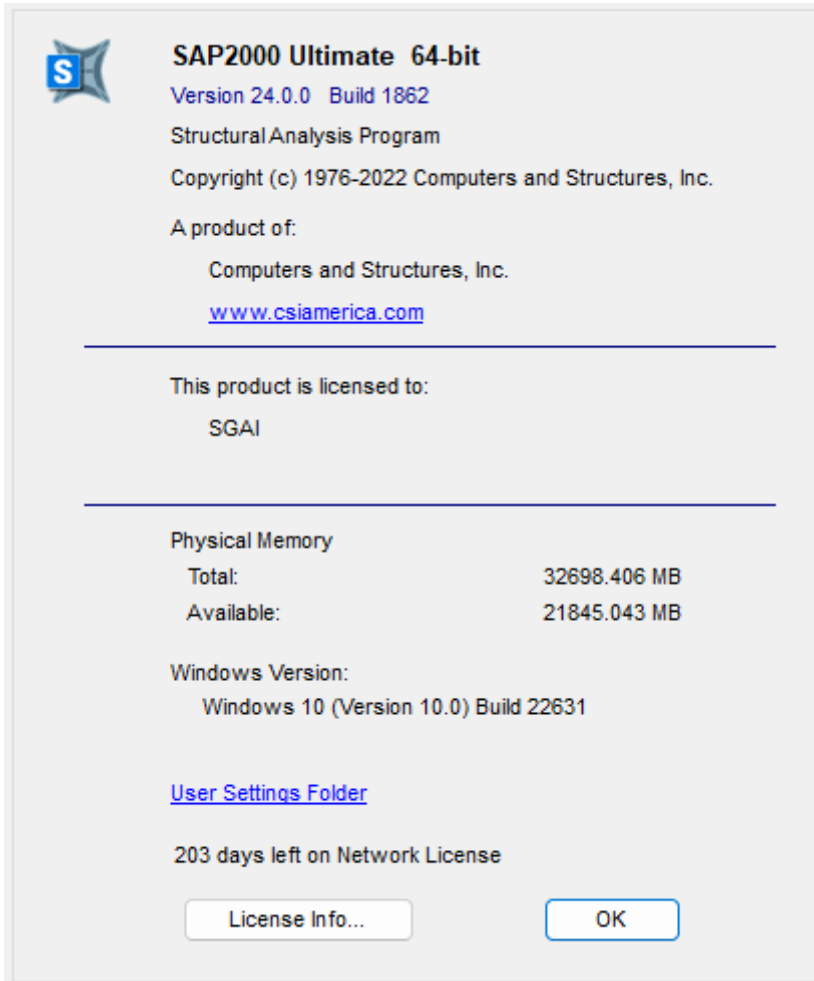


Figura 10-1 Dettagli software CSI SAP2000

10.2. MODELLO NUMERICO

La struttura è stata modellata con il programma SAP2000. Il modello di calcolo è riportato nella figura seguente.

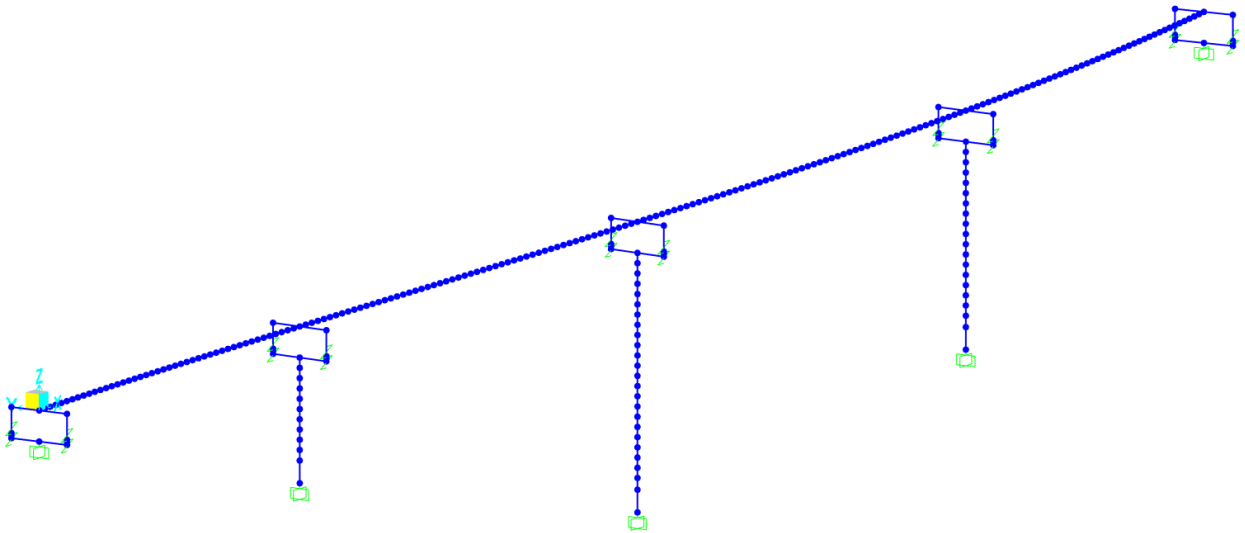


Figura 10-2 Vista 3D modello numerico

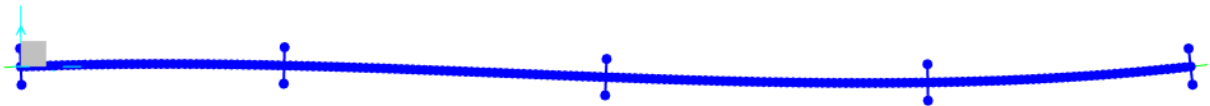


Figura 10-3 Vista in pianta modello numerico

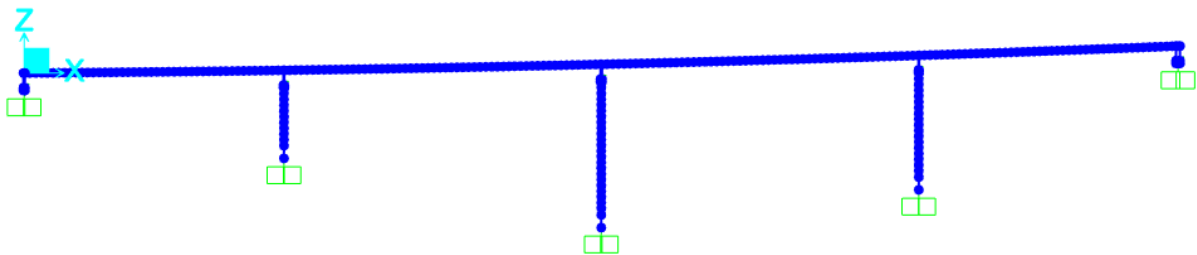


Figura 10-4 Vista prospettica modello numerico

Si riportano di seguito le numerazioni nodali di ciascuna sottostruttura.

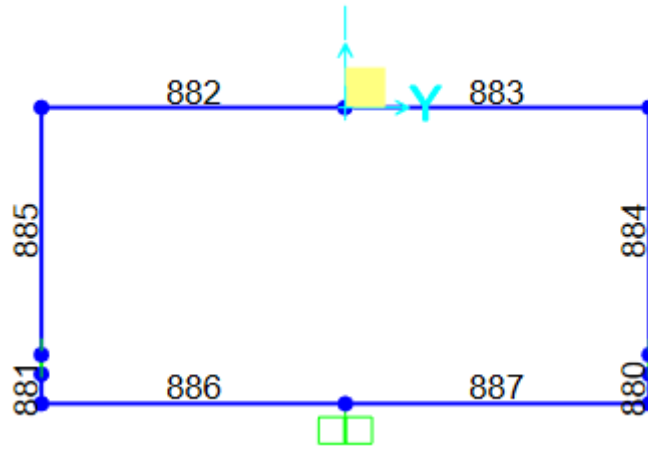


Figura 10-5 Numerazione Frame Spalla A

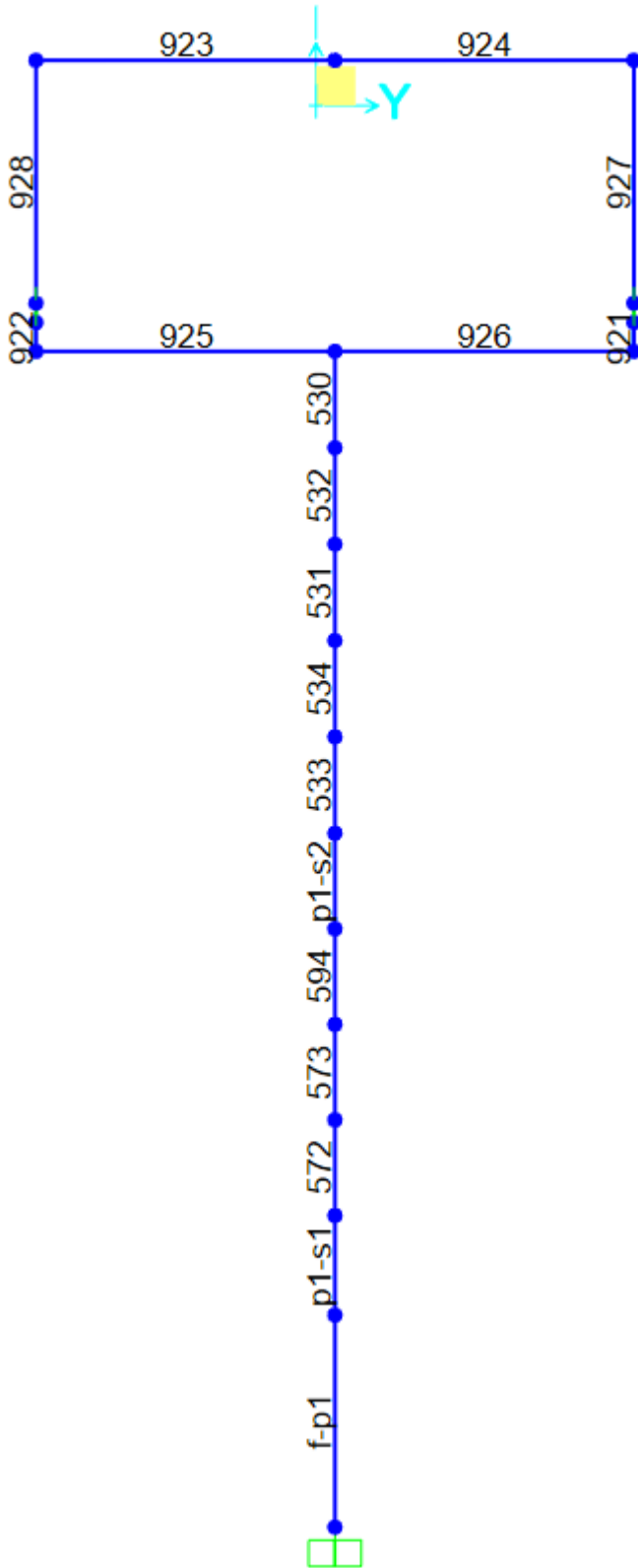


Figura 10-6 Numerazione Frame Pila 1

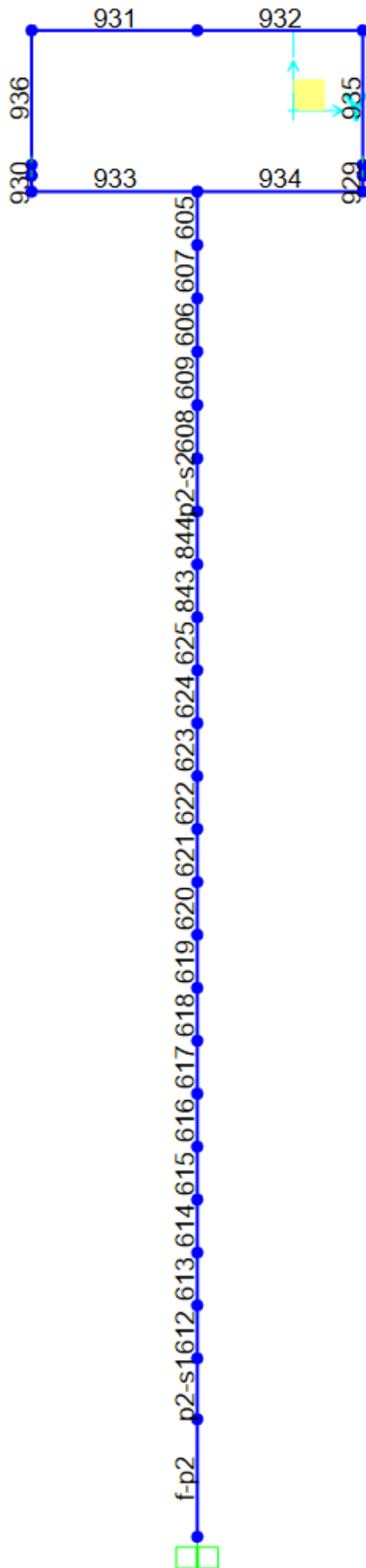


Figura 10-7 Numerazione Frame Pila 2

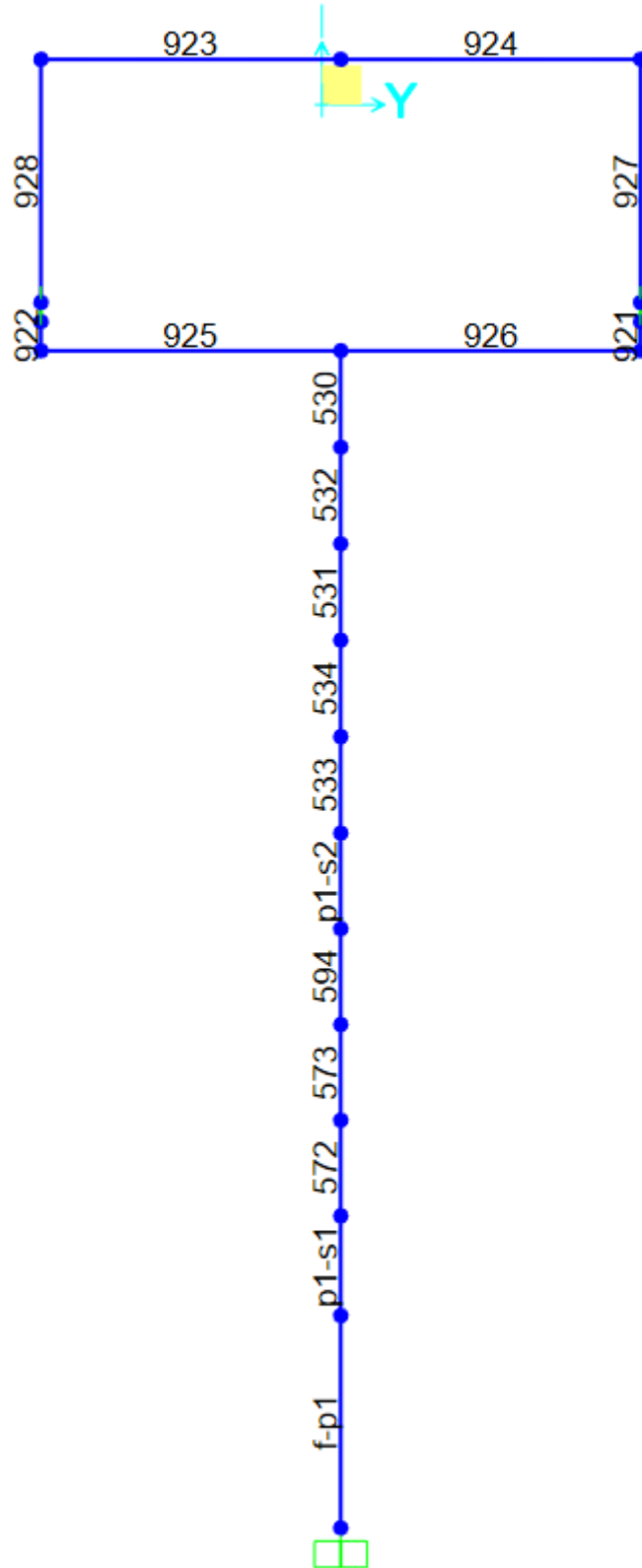


Figura 10-8 Numerazione Frame Pila 3

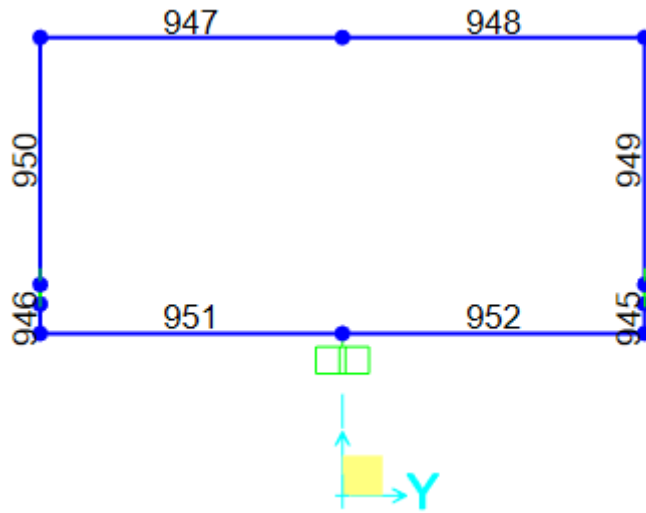


Figura 10-9 Numerazione Frame Spalla B

11. ISOLAMENTO SISMICO

11.1. VINCOLAMENTO

L’impalcato è vincolato verticalmente e orizzontalmente alle sottostrutture mediante appoggi dissipativi tipo “friction pendulum”.

Le caratteristiche principali dei dispositivi di vincolo sono:

- Raggio di curvatura equivalente $R = 3100 \text{ mm}$
- Coefficiente di attrito minimo $\mu = 2.5 \%$ (tipo L – basso attrito)

Si riporta di seguito lo schema di vincolamento dell’impalcato alle sottostrutture (per maggiori dettagli si rimanda all’elaborato grafico di riferimento)

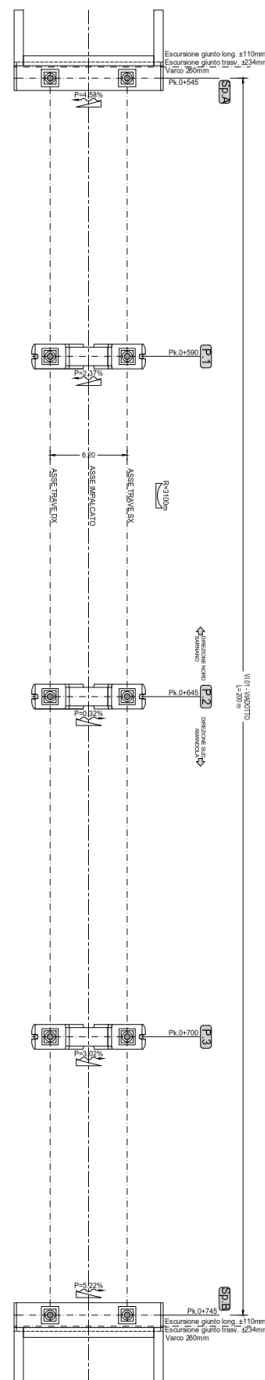


Figura 11-1 Schema di vincolamento alle sottostrutture

POSIZIONE	TIPO
Spalla A-B	FIP-D L 1000/500(3100)
Pila P.1-2-3	FIP-D L 2200/500(3100)

Figura 11-2 Tipologie di isolatori

SCHEMA

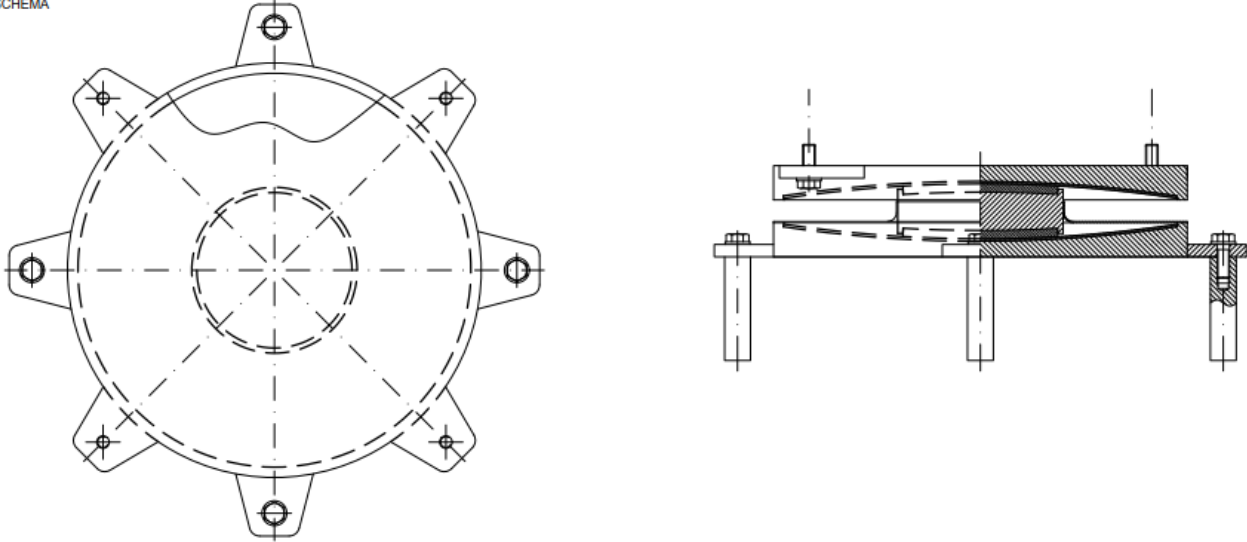


Figura 11-3 Isolatore a scorrimento a doppia superficie curva

I valori dei coefficienti di attrito sono stati stimati sulla base delle informazioni ricevute dai fornitori di apparecchi di appoggio, ai sensi della UNI ENJ 1998-2, appendice JJ. Tali coefficienti, tengono in conto il variare nel tempo delle proprietà nominali degli apparecchi di appoggio a causa degli effetti di invecchiamento, temperatura, storia di carico, contaminazione e percorso cumulativo.

Il modello matematico che meglio rappresenta il funzionamento degli isolatori a scorrimento a superficie curva è la curva bilineare forza-spostamento mostrata nel grafico sottostante.

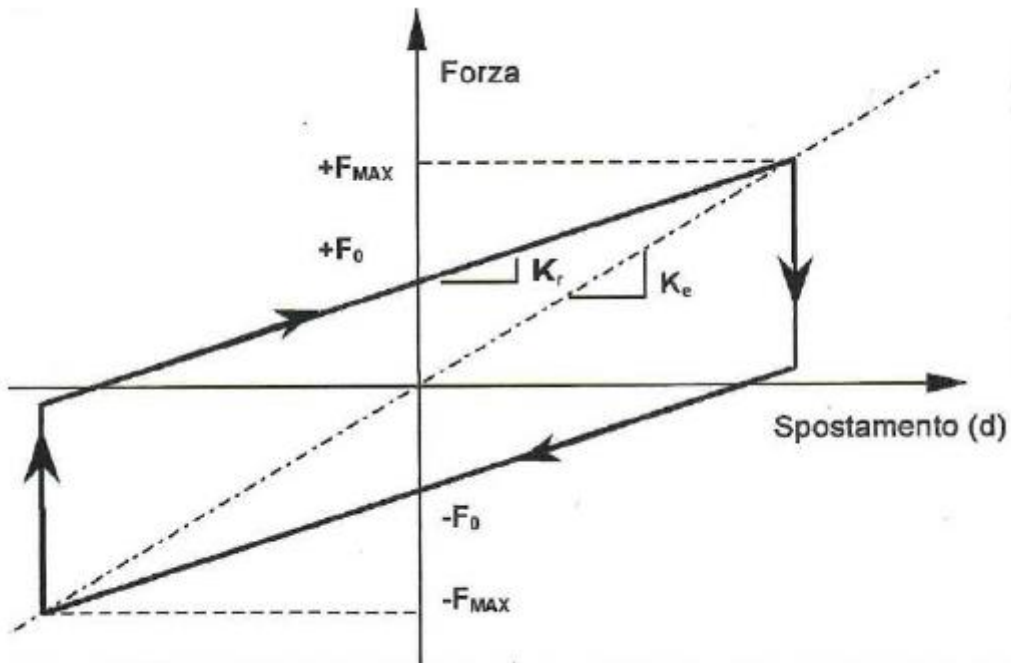


Figura 11-4 Legame costitutivo dispositivo di isolamento

Si definiscono le seguenti grandezze:

$F_0 = \mu(N_{Sd} / N_{Ed}) \times N_{Sd}$	forza di attrito sviluppata dall'isolatore
$F_{max} = F_0 + K_r \times d = \mu(N_{Sd} / N_{Ed}) \times N_{Sd} + N_{Sd}/R \times d$	forza orizzontale massima
$K_r = N_{Sd}/R$	rigidezza di richiamo
$\mu(N_{Sd} / N_{Ed})$	coefficiente di attrito
N_{Sd}	carico verticale agente sull'isolatore
N_{Ed}	carico verticale massimo di progetto
R	raggio di curvatura equivalente
d	spostamento

Il carico verticale N_{Sd} , utilizzato per modellare il comportamento degli isolatori a superficie curva sotto l'azione sismica, corrisponde abitualmente al carico verticale quasi-permanente.

Il coefficiente d'attrito $\mu(N_{Sd} / N_{Ed})$ è funzione del carico verticale e viene calcolato in corrispondenza del carico quasi-permanente secondo la legge seguente:

$$\mu(N_{Sd} / N_{Ed}) = \mu \times \mu_{DIN} = \mu \times (N_{Sd} / N_{Ed})^{0.834}$$

Utilizzando un modello lineare equivalente che consente di modellare il comportamento non lineare sopra descritto, la rigidezza equivalente e lo smorzamento viscoso equivalente possono essere calcolati con le seguenti formule:

$$K_e = N_{Sd} \cdot \left(\frac{1}{R} + \frac{\mu}{d} \right)$$

$$\xi_e = \frac{2}{\pi} \cdot \frac{1}{\frac{d}{\mu \cdot R} + 1}$$

Dato che la rigidezza equivalente ed il coefficiente di smorzamento viscoso equivalente dipendono dallo spostamento, viene applicata una procedura iterativa finché la differenza tra i valori di spostamento a due passi successivi diventa trascurabile.

Con riferimento alla norma armonizzata di prodotto EN 15129 (vedi stralcio di seguito riportato), l'attrito non deve essere utilizzato per resistere agli effetti di carichi esterni orizzontali eccetto quelli indotti dal sisma.

8.3.1.2.5 Maximum frictional resistance to service movements

Static friction resistance is the maximum force necessary to produce macroscopic motion during the first movement (see EN 1337-2:2004, 3.2.3) and is considered in the design of the isolator, its anchoring system and the adjacent structural members.

During the movements occurring under service conditions, the Curved Surface Sliders shall not develop a frictional force higher than the value given in the Design Specifications.

Friction shall not be used to relieve the effects of externally applied horizontal forces other than earthquake induced forces (see also EN 1337-2:2004, 6.7).

Pertanto, al fine di tenere in conto il differente comportamento dell'apparecchio di appoggio in condizioni statiche (carichi permanenti, ritiro, termica, sovraccarichi accidentali da traffico, vento) ed in condizioni dinamiche (sisma), le rigidzze equivalenti risultano differenti nei vari modelli di calcolo.

In particolare, nel caso in cui l'attrito debba essere trascurato, la rigidzza orizzontale dell'isolatore viene calcolata con la formula N_{Sd}/R , dove N_{Sd} è il carico verticale agente.

Inoltre, al fine di massimizzare rispettivamente forze o spostamenti, si prevedono i seguenti casi:

- nel caso in cui l'attrito venga trascurato, nel calcolo delle rigidzze equivalenti, si considera il carico SLU, mentre nel calcolo degli spostamenti il carico SLE;
- nel caso del sisma, il calcolo delle forze viene effettuato con riferimento al valore del coefficiente di attrito determinato in riferimento alle figure sotto riportate tratte dalla documentazione tecnica di un fornitore.

tipo di FFM	L (basso attrito)	M (attrito medio)
Coefficiente d'attrito minimo (%)	2.5	5.5

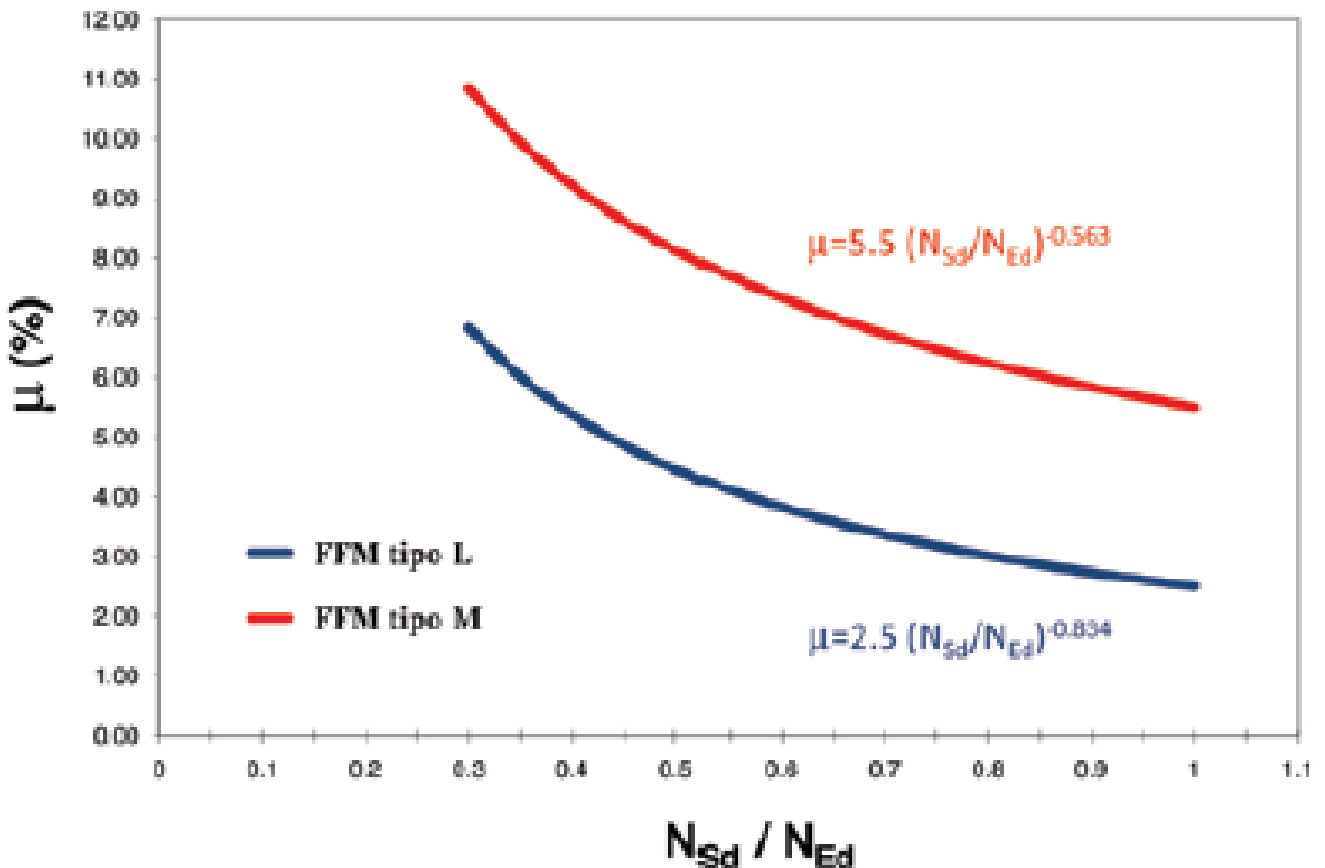


Figura 11-5 Valori del coefficiente di attrito in funzione del tipo di dispositivo e del carico assiale normalizzato

11.2. CONDIZIONI STATICHE – SLU

Per la definizione delle rigidzze in condizioni statiche, riguardanti gli stati limite ultimi sono state utilizzate le seguenti rigidzze, definite come $K=N/R$

R	3.10	m				
app-sp1-d	4067.00	kN		K=	1312	kN/m
app-sp1-s	4300.00	kN		K=	1387	kN/m
app-p1-d	10808.00	kN		K=	3486	kN/m
app-p1-s	10840.00	kN		K=	3497	kN/m
app-p2-d	10541.00	kN		K=	3400	kN/m
app-p2-s	10513.00	kN		K=	3391	kN/m
app-p3-d	10875.00	kN		K=	3508	kN/m
app-p3-s	10755.00	kN		K=	3469	kN/m
app-sp2-d	4274.00	kN		K=	1379	kN/m
app-sp2-s	4085.00	kN		K=	1318	kN/m

11.3. CONDIZIONI STATICHE - SLE

Per la definizione delle rigidezze in condizioni statiche, riguardanti gli stati limite ultimi sono state utilizzate le seguenti rigidezze, definite come $K=N/R$

R	3.1	app-p1-d	N=	5189	kN	K=	1673.87	kN/m
		app-p1-s	N=	5189	kN	K=	1673.87	kN/m
		app-p2-d	N=	5189	kN	K=	1673.87	kN/m
		app-p2-s	N=	5189	kN	K=	1673.87	kN/m
		app-p3-d	N=	5189	kN	K=	1673.87	kN/m
		app-p3-s	N=	5189	kN	K=	1673.87	kN/m
		app-sp1-d	N=	1537	kN	K=	495.81	kN/m
		app-sp1-s	N=	1537	kN	K=	495.81	kN/m
		app-sp2-d	N=	1537	kN	K=	495.81	kN/m
		app-sp2-s	N=	1537	kN	K=	495.81	kN/m

11.4. CONDIZIONI DINAMICHE

Si riportano i calcoli eseguiti con excel per il predimensionamento del sistema di isolamento, eseguito con carico e rigidezze totali; nel modello di calcolo sono state eseguite ulteriori iterazioni per ottenere una differenza fra spostamento di progetto e spostamento ottenuto inferiore al 5%.

è stato considerato l'attrito con una media pesata dei coefficienti d'attrito dei singoli appoggi, considerando come peso lo sforzo normale agente.

Carico su appoggio in combinazione q.p.	SP1-d			P1-d			P2-d		
	Nsd	1331	kN	Nsd	4638	kN	Nsd	4590	kN
Dati appoggio	Carico ultimo del dispositivo Ned	4067	kN	Carico ultimo del dispositivo Ned	10808	kN	Carico ultimo del dispositivo Ned	10541	kN
	Attrito minimo	2.5	%	Attrito minimo	2.5	%	Attrito minimo	2.5	%
	Livello attrito	L		Livello attrito	L		Livello attrito	L	
	R	3.100	m	R	3.100	m	R	3.100	m
	Attrito appoggio f(Nsd)	0.063		Attrito appoggio f(Nsd)	0.051		Attrito appoggio f(Nsd)	0.050	
Curva dispositivo	F0 (yield)	84	kN	F0 (yield)	235	kN	F0 (yield)	230	kN
	δ elastico	0.0001	m	δ elastico	0.0001	m	δ elastico	0.0001	m
	K0	844672	kN/m	K0	2347981	kN/m	K0	2295537	kN/m
	Kf	429.3548387	kN/m	Kf	1496.129	kN/m	Kf	1480.645	kN/m
	stiff. Ratio	5.08E-04		stiff. Ratio	6.37E-04		stiff. Ratio	6.45E-04	
	Kelastica	1167	kN/m	Kelastica	3361	kN/m	Kelastica	3295	kN/m

P3-d			SP2-d			SP1-s		
Nsd	4647	kN	Nsd	1530	kN	Nsd	1493	kN
Carico ultimo del dispositivo Ned	10875	kN	Carico ultimo del dispositivo Ned	4274	kN	Carico ultimo del dispositivo Ned	4300	kN
Attrito minimo	2.5	%	Attrito minimo	2.5	%	Attrito minimo	2.5	%
Livello attrito	L		Livello attrito	L		Livello attrito	L	
R	3.100	m	R	3.100	m	R	3.100	m
Attrito appoggio f(Nsd)	0.051		Attrito appoggio f(Nsd)	0.059		Attrito appoggio f(Nsd)	0.060	
F0 (yield)	236	kN	F0 (yield)	90	kN	F0 (yield)	90	kN
δ elastico	0.0001	m	δ elastico	0.0001	m	δ elastico	0.0001	m
K0	2360873	kN/m	K0	900979	kN/m	K0	901876	kN/m
Kf	1499.03	kN/m	Kf	493.5484	kN/m	Kf	481.6129	kN/m
stiff. Ratio	6.35E-04		stiff. Ratio	5.48E-04		stiff. Ratio	5.34E-04	
Kelastica	3376	kN/m	Kelastica	1255	kN/m	Kelastica	1252	kN/m

P1-s			P2-s			P3-s		
Nsd	4637	kN	Nsd	4593	kN	Nsd	4641	kN
Carico ultimo del dispositivo Ned	10840	kN	Carico ultimo del dispositivo Ned	10513	kN	Carico ultimo del dispositivo Ned	10755	kN
Attrito minimo	2.5	%	Attrito minimo	2.5	%	Attrito minimo	2.5	%
Livello attrito	L		Livello attrito	L		Livello attrito	L	
R	3.100	m	R	3.100	m	R	3.100	m
Attrito appoggio f(Nsd)	0.051		Attrito appoggio f(Nsd)	0.050		Attrito appoggio f(Nsd)	0.050	
F0 (yield)	235	kN	F0 (yield)	229	kN	F0 (yield)	234	kN
δ elastico	0.0001	m	δ elastico	0.0001	m	δ elastico	0.0001	m
K0	2353693	kN/m	K0	2290699	kN/m	K0	2338625	kN/m
Kf	1495.806	kN/m	Kf	1481.613	kN/m	Kf	1497.097	kN/m
stiff. Ratio	6.36E-04		stiff. Ratio	6.47E-04		stiff. Ratio	6.40E-04	
Kelastica	3367	kN/m	Kelastica	3290	kN/m	Kelastica	3351	kN/m

SP2-s		
Nsd	1290	kN
Carico ultimo del dispositivo Ned	4085	kN
Attrito minimo	2.5	%
Livello attrito	L	
R	3.100	m
Attrito appoggio f(Nsd)	0.065	
F0 (yield)	84	kN
δ elastico	0.0001	m
K0	843397	kN/m
Kf	416.129	kN/m
stiff. Ratio	4.93E-04	
Kelastica	1163	kN/m

PARAMETRI DI INPUT SPETTRI DI RIPOSTA ELASTICI

	SLD-H	SLV-H	SLC-H	
F_0	2.474	2.536	2.559	
a_g/g	0.101	0.233	0.296	g
S	1.8	1.396	1.317	
T_B	0.161	0.158	0.162	s
T_C	0.482	0.474	0.486	s
T_D	2.003	2.533	2.783	s

ITERAZIONI ESEGUITE SLV

			1	2	3	4	5	12
peso	F	kN	33390	33390	33390	33390	33390	33390
coeff.atrito	μ		0.052	0.052	0.052	0.052	0.052	0.052
raggio	R	mm	3100	3100	3100	3100	3100	3100
spostamento di progetto (di tentativo)	D	mm	100	116.783	122.334	123.976	124.446	124.631
rigidezza (tratto inclinato)	K	kN/mm	10.77	10.77	10.77	10.77	10.77	10.77
rigidezza efficace	K_{eff}	kN/mm	28.13	25.64	24.96	24.78	24.72	24.70
periodo (tratto inclinato)	T	s	3.53	3.53	3.53	3.53	3.53	3.53
periodo efficace	T_{eff}	s	2.19	2.29	2.32	2.33	2.33	2.33
			Tc<Teff<Td	Tc<Teff<Td	Tc<Teff<Td	Tc<Teff<Td	Tc<Teff<Td	Tc<Teff<Td
smorzamento	ξ		39.3%	36.9%	36.2%	36.0%	35.9%	35.9%
fattore di smorzamento	η		0.550	0.550	0.550	0.550	0.550	0.550
accelerazione	a	m/s^2	0.965	0.921	0.909	0.906	0.905	0.905
spostamento di progetto (ottenuto)	D	mm	116.783	122.334	123.976	124.446	124.579	124.631
carico orizzontale massimo	H	kN	2994	3054	3072	3077	3078	3079
carico di distacco	Flim	kN	1736.28					

ITERAZIONI ESEGUITE SLC

			1	2	3	4	5	12
peso	F	kN	33390	33390	33390	33390	33390	33390
coeff.atrito	μ		0.052	0.052	0.052	0.052	0.052	0.052
raggio	R	mm	3100	3100	3100	3100	3100	3100
spostamento di progetto (di tentativo)	D	mm	124.63	154.540	163.733	166.132	166.730	166.926
rigidezza (tratto inclinato)	K	kN/mm	10.77	10.77	10.77	10.77	10.77	10.77
rigidezza efficace	K_{eff}	kN/mm	24.70	22.01	21.38	21.22	21.18	21.17
periodo (tratto inclinato)	T	s	3.53	3.53	3.53	3.53	3.53	3.53
periodo efficace	T_{eff}	s	2.33	2.47	2.51	2.52	2.52	2.52
			Tc<Teff<Td	Tc<Teff<Td	Tc<Teff<Td	Tc<Teff<Td	Tc<Teff<Td	Tc<Teff<Td
smorzamento	ξ		35.9%	32.5%	31.6%	31.4%	31.3%	31.3%
fattore di smorzamento	η		0.550	0.550	0.550	0.550	0.550	0.550
accelerazione	a	m/s^2	1.122	1.059	1.043	1.040	1.039	1.038
spostamento di progetto (ottenuto)	D	mm	154.540	163.733	166.132	166.730	166.878	166.926
carico orizzontale massimo	H	kN	3401	3500	3526	3532	3534	3534
carico di distacco	Flim	kN	1736.28					

Nel modello di calcolo sono state inserite le rigidezze valutate con gli spostamenti sopra calcolati (125 mm allo SLV e 167 mm allo SLC) in riferimento allo sforzo normale e coefficiente d'attrito di ogni singolo appoggio.

Poi sono state eseguite ulteriori iterazioni col modello di calcolo per ottenere una differenza fra spostamento assunto per la valutazione della rigidezza e spostamento ottenuto inferiore al 5%.

Infine, sempre secondo quanto descritto nello stralcio della norma EN 15129 sopra riportato, la resistenza di attrito statico dell'isolatore è stata presa in considerazione nel progetto dell'isolatore stesso, del suo sistema di ancoraggio e della membrature strutturali adiacenti (sono state inserite nel modello forze nodali al di sotto degli appoggi pari alle forze di attrito).

12. RISULTATI OTTENUTI

12.1. SOLLECITAZIONI BASE PILE

12.1.1. PILA 1-SOLLECITAZIONI SEZIONE DI BASE-COMBINAZIONI SLU

TABLE: Element Forces - Frames								
Frame	OutputCase	StepType	P	V2	V3	T	M2	M3
Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
p1-s1	SLU-1	Max P	-15978.1	-348.049	667.367	9.1782	8201.089	-3589.98
p1-s1	SLU-1	Min P	-21791.3	-361.731	681.968	10.7923	568.3723	-3733.64
p1-s1	SLU-1	Max M2	-17545.4	-353.625	675.4	4.9643	11102.46	-3648.53
p1-s1	SLU-1	Min M2	-20382.7	-359.302	676.929	14.0817	-2306.5	-3708.14
p1-s1	SLU-1	Max M3	-19104.5	-328.873	677.376	7.4178	4714.913	-3388.64
p1-s1	SLU-1	Min M3	-19555.4	-386.698	679.088	14.0858	3731.804	-3995.8
p1-s1	SLU-2	Max P	-16057.3	-347.962	683.822	5.158	8408.827	-3589.07
p1-s1	SLU-2	Min P	-21907.7	-356.003	670.331	3.1541	15624.01	-3673.5
p1-s1	SLU-2	Max M2	-20556.6	-353.798	675.673	-0.2987	18797.54	-3650.35
p1-s1	SLU-2	Min M2	-17616.3	-357.034	676.212	9.1692	5371.6	-3684.33
p1-s1	SLU-2	Max M3	-19270.4	-321.54	675.218	6.5428	12107.35	-3311.64
p1-s1	SLU-2	Min M3	-19640.2	-388.326	673.287	-0.3795	12327.96	-4012.89
p1-s1	SLU-3	Max P	-15972.2	-305.694	-697.532	-4.3253	-8569.2	-3162.72
p1-s1	SLU-3	Min P	-21785.5	-319.377	-682.931	-2.7113	-16201.9	-3306.38
p1-s1	SLU-3	Max M2	-17539.6	-311.271	-689.499	-8.5393	-5667.82	-3221.27
p1-s1	SLU-3	Min M2	-20376.8	-316.947	-687.97	0.5781	-19076.8	-3280.88
p1-s1	SLU-3	Max M3	-19098.6	-286.519	-687.524	-6.0858	-12055.4	-2961.38
p1-s1	SLU-3	Min M3	-19549.6	-344.343	-685.811	0.5822	-13038.5	-3568.54
p1-s1	SLU-4	Max P	-16051.4	-305.608	-681.077	-8.3456	-8361.46	-3161.82
p1-s1	SLU-4	Min P	-21901.9	-313.649	-694.568	-10.3495	-1146.27	-3246.24
p1-s1	SLU-4	Max M2	-20550.7	-311.444	-689.226	-13.8023	2027.258	-3223.09
p1-s1	SLU-4	Min M2	-17610.4	-314.68	-688.687	-4.3344	-11398.7	-3257.07
p1-s1	SLU-4	Max M3	-19264.5	-279.185	-689.682	-6.9608	-4662.93	-2884.38
p1-s1	SLU-4	Min M3	-19634.4	-345.972	-691.612	-13.8831	-4442.33	-3585.64
p1-s1	SLU-5	Max P	-15623.5	-345.53	667.386	9.0852	8352.219	-3563.54
p1-s1	SLU-5	Min P	-21436.8	-359.213	681.987	10.6992	719.5027	-3707.2
p1-s1	SLU-5	Max M2	-17190.9	-351.107	675.419	4.8713	11253.59	-3622.09
p1-s1	SLU-5	Min M2	-20028.1	-356.783	676.948	13.9886	-2155.37	-3681.69
p1-s1	SLU-5	Max M3	-18749.9	-326.355	677.395	7.3248	4866.043	-3362.2
p1-s1	SLU-5	Min M3	-19200.9	-384.179	679.107	13.9928	3882.935	-3969.35
p1-s1	SLU-6	Max P	-15702.7	-345.444	683.841	5.0649	8559.957	-3562.63
p1-s1	SLU-6	Min P	-21553.2	-353.485	670.35	3.061	15775.15	-3647.06
p1-s1	SLU-6	Max M2	-20202	-351.28	675.692	-0.3918	18948.68	-3623.91
p1-s1	SLU-6	Min M2	-17261.7	-354.516	676.231	9.0761	5522.73	-3657.89
p1-s1	SLU-6	Max M3	-18915.8	-319.022	675.237	6.4497	12258.48	-3285.2
p1-s1	SLU-6	Min M3	-19285.7	-385.808	673.306	-0.4726	12479.09	-3986.45
p1-s1	SLU-7	Max P	-15617.6	-303.176	-697.513	-4.4184	-8418.07	-3136.28
p1-s1	SLU-7	Min P	-21430.9	-316.858	-682.912	-2.8044	-16050.8	-3279.94
p1-s1	SLU-7	Max M2	-17185	-308.752	-689.48	-8.6323	-5516.69	-3194.83
p1-s1	SLU-7	Min M2	-20022.3	-314.429	-687.951	0.485	-18925.7	-3254.43
p1-s1	SLU-7	Max M3	-18744	-284.001	-687.505	-6.1788	-11904.2	-2934.94
p1-s1	SLU-7	Min M3	-19195	-341.825	-685.792	0.4892	-12887.4	-3542.09

p1-s1	SLU-8	Max P	-15696.9	-303.089	-681.058	-8.4387	-8210.33	-3135.37
p1-s1	SLU-8	Min P	-21547.3	-311.13	-694.55	-10.4425	-995.142	-3219.8
p1-s1	SLU-8	Max M2	-20196.1	-308.926	-689.207	-13.8954	2178.389	-3196.65
p1-s1	SLU-8	Min M2	-17255.9	-312.161	-688.669	-4.4274	-11247.6	-3230.63
p1-s1	SLU-8	Max M3	-18909.9	-276.667	-689.663	-7.0539	-4511.8	-2857.94
p1-s1	SLU-8	Min M3	-19279.8	-343.453	-691.593	-13.9762	-4291.2	-3559.19
p1-s1	SLU-9	Max P	-16199.2	-345.32	667.462	9.1443	8227.198	-3561.33
p1-s1	SLU-9	Min P	-22012.5	-359.002	682.063	10.7583	594.4813	-3704.99
p1-s1	SLU-9	Max M2	-17766.6	-350.896	675.495	4.9304	11128.57	-3619.88
p1-s1	SLU-9	Min M2	-20603.8	-356.573	677.024	14.0478	-2280.39	-3679.48
p1-s1	SLU-9	Max M3	-19325.6	-326.145	677.47	7.3839	4741.021	-3359.99
p1-s1	SLU-9	Min M3	-19776.6	-383.969	679.183	14.0519	3757.913	-3967.14
p1-s1	SLU-10	Max P	-16278.5	-345.233	683.917	5.1241	8434.936	-3560.42
p1-s1	SLU-10	Min P	-22128.9	-353.274	670.426	3.1202	15650.12	-3644.85
p1-s1	SLU-10	Max M2	-20777.7	-351.07	675.768	-0.3326	18823.65	-3621.7
p1-s1	SLU-10	Min M2	-17837.4	-354.306	676.307	9.1353	5397.709	-3655.68
p1-s1	SLU-10	Max M3	-19491.5	-318.811	675.312	6.5089	12133.46	-3282.99
p1-s1	SLU-10	Min M3	-19861.4	-385.597	673.382	-0.4134	12354.06	-3984.24
p1-s1	SLU-11	Max P	-16193.4	-302.965	-697.438	-4.3593	-8543.09	-3134.07
p1-s1	SLU-11	Min P	-22006.6	-316.648	-682.837	-2.7452	-16175.8	-3277.73
p1-s1	SLU-11	Max M2	-17760.8	-308.542	-689.405	-8.5732	-5641.72	-3192.62
p1-s1	SLU-11	Min M2	-20598	-314.218	-687.875	0.5442	-19050.7	-3252.22
p1-s1	SLU-11	Max M3	-19319.8	-283.79	-687.429	-6.1197	-12029.3	-2932.73
p1-s1	SLU-11	Min M3	-19770.7	-341.614	-685.716	0.5483	-13012.4	-3539.88
p1-s1	SLU-12	Max P	-16272.6	-302.879	-680.983	-8.3795	-8335.35	-3133.16
p1-s1	SLU-12	Min P	-22123.1	-310.92	-694.474	-10.3834	-1120.16	-3217.59
p1-s1	SLU-12	Max M2	-20771.9	-308.715	-689.132	-13.8362	2053.367	-3194.44
p1-s1	SLU-12	Min M2	-17831.6	-311.951	-688.593	-4.3683	-11372.6	-3228.42
p1-s1	SLU-12	Max M3	-19485.7	-276.457	-689.587	-6.9947	-4636.82	-2855.73
p1-s1	SLU-12	Min M3	-19855.5	-343.243	-691.517	-13.917	-4416.22	-3556.98
p1-s1	SLU-13	Max P	-15844.6	-342.801	667.481	9.0513	8378.328	-3534.89
p1-s1	SLU-13	Min P	-21657.9	-356.484	682.082	10.6653	745.6117	-3678.55
p1-s1	SLU-13	Max M2	-17412	-348.378	675.514	4.8374	11279.7	-3593.44
p1-s1	SLU-13	Min M2	-20249.3	-354.055	677.043	13.9547	-2129.26	-3653.04
p1-s1	SLU-13	Max M3	-18971.1	-323.626	677.489	7.2909	4892.152	-3333.54
p1-s1	SLU-13	Min M3	-19422	-381.451	679.202	13.9588	3909.044	-3940.7
p1-s1	SLU-14	Max P	-15923.9	-342.715	683.936	5.031	8586.066	-3533.98
p1-s1	SLU-14	Min P	-21774.3	-350.756	670.444	3.0271	15801.25	-3618.4
p1-s1	SLU-14	Max M2	-20423.2	-348.551	675.787	-0.4257	18974.78	-3595.26
p1-s1	SLU-14	Min M2	-17482.9	-351.787	676.325	9.0422	5548.839	-3629.23
p1-s1	SLU-14	Max M3	-19136.9	-316.293	675.331	6.4158	12284.59	-3256.54
p1-s1	SLU-14	Min M3	-19506.8	-383.079	673.401	-0.5065	12505.19	-3957.8
p1-s1	SLU-15	Max P	-15838.8	-300.447	-697.419	-4.4523	-8391.96	-3107.63
p1-s1	SLU-15	Min P	-21652.1	-314.129	-682.818	-2.8383	-16024.7	-3251.29
p1-s1	SLU-15	Max M2	-17406.2	-306.023	-689.386	-8.6662	-5490.59	-3166.18
p1-s1	SLU-15	Min M2	-20243.4	-311.7	-687.856	0.4511	-18899.5	-3225.78
p1-s1	SLU-15	Max M3	-18965.2	-281.272	-687.41	-6.2127	-11878.1	-2906.29
p1-s1	SLU-15	Min M3	-19416.2	-339.096	-685.697	0.4553	-12861.2	-3513.44
p1-s1	SLU-16	Max P	-15918	-300.36	-680.964	-8.4726	-8184.22	-3106.72
p1-s1	SLU-16	Min P	-21768.5	-308.401	-694.455	-10.4765	-969.033	-3191.14
p1-s1	SLU-16	Max M2	-20417.3	-306.197	-689.113	-13.9293	2204.497	-3168

p1-s1	SLU-16	Min M2	-17477	-309.433	-688.574	-4.4613	-11221.4	-3201.98
p1-s1	SLU-16	Max M3	-19131.1	-273.938	-689.568	-7.0878	-4485.69	-2829.28
p1-s1	SLU-16	Min M3	-19501	-340.725	-691.498	-14.0101	-4265.09	-3530.54
p1-s1	SLU-17	Max P	-11833.5	-348.314	667.363	9.196	8202.113	-3592.78
p1-s1	SLU-17	Min P	-17646.8	-361.997	681.964	10.81	569.3969	-3736.44
p1-s1	SLU-17	Max M2	-13400.9	-353.891	675.396	4.9821	11103.49	-3651.33
p1-s1	SLU-17	Min M2	-16238.1	-359.567	676.926	14.0994	-2305.48	-3710.93
p1-s1	SLU-17	Max M3	-14959.9	-329.139	677.372	7.4356	4715.937	-3391.43
p1-s1	SLU-17	Min M3	-15410.9	-386.964	679.085	14.1035	3732.829	-3998.59
p1-s1	SLU-18	Max P	-11912.7	-348.228	683.818	5.1757	8409.851	-3591.87
p1-s1	SLU-18	Min P	-17763.2	-356.269	670.327	3.1718	15625.04	-3676.29
p1-s1	SLU-18	Max M2	-16412	-354.064	675.669	-0.281	18798.57	-3653.14
p1-s1	SLU-18	Min M2	-13471.7	-357.3	676.208	9.1869	5372.624	-3687.12
p1-s1	SLU-18	Max M3	-15125.8	-321.806	675.214	6.5605	12108.38	-3314.43
p1-s1	SLU-18	Min M3	-15495.7	-388.592	673.284	-0.3618	12328.98	-4015.69
p1-s1	SLU-19	Max P	-11827.6	-305.96	-697.536	-4.3076	-8568.17	-3165.52
p1-s1	SLU-19	Min P	-17640.9	-319.642	-682.935	-2.6936	-16200.9	-3309.18
p1-s1	SLU-19	Max M2	-13395	-311.536	-689.503	-8.5215	-5666.8	-3224.07
p1-s1	SLU-19	Min M2	-16232.3	-317.213	-687.973	0.5958	-19075.8	-3283.67
p1-s1	SLU-19	Max M3	-14954.1	-286.785	-687.527	-6.068	-12054.3	-2964.17
p1-s1	SLU-19	Min M3	-15405	-344.609	-685.815	0.6	-13037.5	-3571.33
p1-s1	SLU-20	Max P	-11906.9	-305.873	-681.081	-8.3279	-8360.44	-3164.61
p1-s1	SLU-20	Min P	-17757.3	-313.914	-694.572	-10.3318	-1145.25	-3249.03
p1-s1	SLU-20	Max M2	-16406.2	-311.71	-689.23	-13.7846	2028.283	-3225.89
p1-s1	SLU-20	Min M2	-13465.9	-314.945	-688.691	-4.3167	-11397.7	-3259.86
p1-s1	SLU-20	Max M3	-15119.9	-279.451	-689.685	-6.9431	-4661.91	-2887.17
p1-s1	SLU-20	Min M3	-15489.8	-346.237	-691.615	-13.8654	-4441.31	-3588.43
p1-s1	SLU-21	Max P	-11478.9	-345.796	667.382	9.1029	8353.244	-3566.33
p1-s1	SLU-21	Min P	-17292.2	-359.478	681.983	10.7169	720.5273	-3709.99
p1-s1	SLU-21	Max M2	-13046.3	-351.372	675.415	4.889	11254.62	-3624.88
p1-s1	SLU-21	Min M2	-15883.6	-357.049	676.945	14.0063	-2154.35	-3684.49
p1-s1	SLU-21	Max M3	-14605.3	-326.621	677.391	7.3425	4867.068	-3364.99
p1-s1	SLU-21	Min M3	-15056.3	-384.445	679.103	14.0105	3883.959	-3972.15
p1-s1	SLU-22	Max P	-11558.2	-345.709	683.837	5.0826	8560.982	-3565.42
p1-s1	SLU-22	Min P	-17408.6	-353.75	670.346	3.0788	15776.17	-3649.85
p1-s1	SLU-22	Max M2	-16057.4	-351.546	675.688	-0.374	18949.7	-3626.7
p1-s1	SLU-22	Min M2	-13117.2	-354.782	676.227	9.0939	5523.755	-3660.68
p1-s1	SLU-22	Max M3	-14771.2	-319.287	675.233	6.4674	12259.51	-3287.99
p1-s1	SLU-22	Min M3	-15141.1	-386.074	673.303	-0.4548	12480.11	-3989.24
p1-s1	SLU-23	Max P	-11473.1	-303.441	-697.517	-4.4007	-8417.04	-3139.07
p1-s1	SLU-23	Min P	-17286.3	-317.124	-682.916	-2.7867	-16049.8	-3282.73
p1-s1	SLU-23	Max M2	-13040.5	-309.018	-689.484	-8.6146	-5515.67	-3197.62
p1-s1	SLU-23	Min M2	-15877.7	-314.695	-687.954	0.5028	-18924.6	-3257.23
p1-s1	SLU-23	Max M3	-14599.5	-284.266	-687.508	-6.1611	-11903.2	-2937.73
p1-s1	SLU-23	Min M3	-15050.5	-342.091	-685.796	0.5069	-12886.3	-3544.89
p1-s1	SLU-24	Max P	-11552.3	-303.355	-681.062	-8.4209	-8209.31	-3138.17
p1-s1	SLU-24	Min P	-17402.8	-311.396	-694.553	-10.4248	-994.117	-3222.59
p1-s1	SLU-24	Max M2	-16051.6	-309.191	-689.211	-13.8776	2179.413	-3199.44
p1-s1	SLU-24	Min M2	-13111.3	-312.427	-688.672	-4.4097	-11246.5	-3233.42
p1-s1	SLU-24	Max M3	-14765.4	-276.933	-689.666	-7.0361	-4510.78	-2860.73
p1-s1	SLU-24	Min M3	-15135.3	-343.719	-691.597	-13.9584	-4290.18	-3561.99

p1-s1	SLU-25	Max P	-12054.7	-345.586	667.458	9.1621	8228.222	-3564.12
p1-s1	SLU-25	Min P	-17867.9	-359.268	682.059	10.7761	595.5058	-3707.78
p1-s1	SLU-25	Max M2	-13622.1	-351.162	675.491	4.9481	11129.6	-3622.67
p1-s1	SLU-25	Min M2	-16459.3	-356.839	677.021	14.0655	-2279.37	-3682.28
p1-s1	SLU-25	Max M3	-15181.1	-326.41	677.467	7.4016	4742.046	-3362.78
p1-s1	SLU-25	Min M3	-15632	-384.235	679.179	14.0696	3758.938	-3969.94
p1-s1	SLU-26	Max P	-12133.9	-345.499	683.913	5.1418	8435.96	-3563.21
p1-s1	SLU-26	Min P	-17984.4	-353.54	670.422	3.1379	15651.15	-3647.64
p1-s1	SLU-26	Max M2	-16633.2	-351.335	675.764	-0.3149	18824.68	-3624.49
p1-s1	SLU-26	Min M2	-13692.9	-354.571	676.303	9.153	5398.733	-3658.47
p1-s1	SLU-26	Max M3	-15347	-319.077	675.309	6.5266	12134.49	-3285.78
p1-s1	SLU-26	Min M3	-15716.8	-385.863	673.379	-0.3957	12355.09	-3987.03
p1-s1	SLU-27	Max P	-12048.8	-303.231	-697.441	-4.3415	-8542.06	-3136.86
p1-s1	SLU-27	Min P	-17862.1	-316.913	-682.84	-2.7275	-16174.8	-3280.52
p1-s1	SLU-27	Max M2	-13616.2	-308.807	-689.408	-8.5554	-5640.69	-3195.41
p1-s1	SLU-27	Min M2	-16453.4	-314.484	-687.879	0.5619	-19049.7	-3255.02
p1-s1	SLU-27	Max M3	-15175.2	-284.056	-687.432	-6.1019	-12028.2	-2935.52
p1-s1	SLU-27	Min M3	-15626.2	-341.88	-685.72	0.5661	-13011.3	-3542.68
p1-s1	SLU-28	Max P	-12128	-303.144	-680.986	-8.3618	-8334.33	-3135.96
p1-s1	SLU-28	Min P	-17978.5	-311.186	-694.477	-10.3657	-1119.14	-3220.38
p1-s1	SLU-28	Max M2	-16627.3	-308.981	-689.135	-13.8185	2054.392	-3197.23
p1-s1	SLU-28	Min M2	-13687	-312.217	-688.596	-4.3506	-11371.6	-3231.21
p1-s1	SLU-28	Max M3	-15341.1	-276.722	-689.59	-6.977	-4635.8	-2858.52
p1-s1	SLU-28	Min M3	-15711	-343.509	-691.521	-13.8993	-4415.2	-3559.78
p1-s1	SLU-29	Max P	-11700.1	-343.067	667.477	9.069	8379.353	-3537.68
p1-s1	SLU-29	Min P	-17513.4	-356.75	682.078	10.683	746.6363	-3681.34
p1-s1	SLU-29	Max M2	-13267.5	-348.644	675.51	4.8551	11280.73	-3596.23
p1-s1	SLU-29	Min M2	-16104.7	-354.32	677.04	13.9724	-2128.24	-3655.83
p1-s1	SLU-29	Max M3	-14826.5	-323.892	677.486	7.3086	4893.177	-3336.34
p1-s1	SLU-29	Min M3	-15277.5	-381.716	679.198	13.9766	3910.068	-3943.49
p1-s1	SLU-30	Max P	-11779.3	-342.981	683.932	5.0487	8587.091	-3536.77
p1-s1	SLU-30	Min P	-17629.8	-351.022	670.441	3.0449	15802.28	-3621.2
p1-s1	SLU-30	Max M2	-16278.6	-348.817	675.783	-0.408	18975.81	-3598.05
p1-s1	SLU-30	Min M2	-13338.3	-352.053	676.322	9.06	5549.864	-3632.03
p1-s1	SLU-30	Max M3	-14992.4	-316.558	675.328	6.4335	12285.62	-3259.34
p1-s1	SLU-30	Min M3	-15362.3	-383.345	673.397	-0.4887	12506.22	-3960.59
p1-s1	SLU-31	Max P	-11694.2	-300.713	-697.422	-4.4346	-8390.93	-3110.42
p1-s1	SLU-31	Min P	-17507.5	-314.395	-682.821	-2.8206	-16023.7	-3254.08
p1-s1	SLU-31	Max M2	-13261.6	-306.289	-689.389	-8.6485	-5489.56	-3168.97
p1-s1	SLU-31	Min M2	-16098.9	-311.966	-687.86	0.4689	-18898.5	-3228.57
p1-s1	SLU-31	Max M3	-14820.7	-281.537	-687.414	-6.195	-11877.1	-2909.08
p1-s1	SLU-31	Min M3	-15271.6	-339.362	-685.701	0.473	-12860.2	-3516.23
p1-s1	SLU-32	Max P	-11773.5	-300.626	-680.967	-8.4548	-8183.2	-3109.51
p1-s1	SLU-32	Min P	-17623.9	-308.667	-694.458	-10.4587	-968.008	-3193.94
p1-s1	SLU-32	Max M2	-16272.7	-306.462	-689.116	-13.9115	2205.522	-3170.79
p1-s1	SLU-32	Min M2	-13332.5	-309.698	-688.577	-4.4436	-11220.4	-3204.77
p1-s1	SLU-32	Max M3	-14986.5	-274.204	-689.571	-7.07	-4484.67	-2832.08
p1-s1	SLU-32	Min M3	-15356.4	-340.99	-691.502	-13.9923	-4264.07	-3533.33
p1-s1	SLU-33	Max P	-16217.2	2.618	654.863	10.3151	7999.261	92.0203
p1-s1	SLU-33	Min P	-19190.4	-4.282	662.432	10.702	3968.037	19.5686
p1-s1	SLU-33	Max M2	-16994.4	-0.591	658.995	8.3003	9372.843	58.3236

p1-s1	SLU-33	Min M2	-18532.3	-3.434	660.546	12.0234	2614.33	28.4769
p1-s1	SLU-33	Max M3	-17955.7	12.596	661.093	9.1585	6097.141	196.7922
p1-s1	SLU-33	Min M3	-18119.9	-18.604	661.549	13.0085	5628.099	-130.811
p1-s1	SLU-34	Max P	-16261.5	2.638	663.726	8.0357	8110.756	92.2312
p1-s1	SLU-34	Min P	-19239.5	-1.012	656.513	7.5538	11870.87	53.9032
p1-s1	SLU-34	Max M2	-18602.9	-1.109	658.77	6.0485	13423.43	52.8821
p1-s1	SLU-34	Min M2	-17053.9	-2.415	659.767	9.9598	6660.42	39.1686
p1-s1	SLU-34	Max M3	-18038.4	16.782	658.255	8.9902	10090.45	240.7379
p1-s1	SLU-34	Min M3	-18171.7	-19.581	657.747	4.9876	10193.02	-141.072
p1-s1	SLU-35	Max P	-16211.4	44.973	-710.036	-3.1885	-8771.03	519.2795
p1-s1	SLU-35	Min P	-19184.6	38.072	-702.467	-2.8016	-12802.3	446.8277
p1-s1	SLU-35	Max M2	-16988.6	41.764	-705.904	-5.2033	-7397.44	485.5827
p1-s1	SLU-35	Min M2	-18526.5	38.921	-704.353	-1.4802	-14156	455.7361
p1-s1	SLU-35	Max M3	-17949.9	54.951	-703.806	-4.3451	-10673.1	624.0513
p1-s1	SLU-35	Min M3	-18114	23.751	-703.35	-0.4951	-11142.2	296.4479
p1-s1	SLU-36	Max P	-16255.6	44.993	-701.174	-5.4679	-8659.53	519.4904
p1-s1	SLU-36	Min P	-19233.6	41.342	-708.387	-5.9498	-4899.42	481.1624
p1-s1	SLU-36	Max M2	-18597.1	41.245	-706.129	-7.4551	-3346.85	480.1412
p1-s1	SLU-36	Min M2	-17048	39.939	-705.132	-3.5438	-10109.9	466.4278
p1-s1	SLU-36	Max M3	-18032.6	59.136	-706.644	-4.5134	-6679.83	667.9971
p1-s1	SLU-36	Min M3	-18165.8	22.773	-707.152	-8.5159	-6577.27	286.1867
p1-s1	SLU-37	Max P	-15862.7	5.137	654.882	10.222	8150.391	118.4633
p1-s1	SLU-37	Min P	-18835.9	-1.764	662.451	10.6089	4119.167	46.0115
p1-s1	SLU-37	Max M2	-16639.8	1.927	659.014	8.2072	9523.974	84.7665
p1-s1	SLU-37	Min M2	-18177.8	-0.915	660.565	11.9304	2765.46	54.9199
p1-s1	SLU-37	Max M3	-17601.1	15.115	661.112	9.0654	6248.271	223.2351
p1-s1	SLU-37	Min M3	-17765.3	-16.086	661.568	12.9154	5779.229	-104.368
p1-s1	SLU-38	Max P	-15906.9	5.157	663.744	7.9426	8261.886	118.6741
p1-s1	SLU-38	Min P	-18884.9	1.506	656.532	7.4607	12022	80.3461
p1-s1	SLU-38	Max M2	-18248.4	1.409	658.789	5.9554	13574.56	79.325
p1-s1	SLU-38	Min M2	-16699.3	0.103	659.786	9.8667	6811.551	65.6116
p1-s1	SLU-38	Max M3	-17683.9	19.3	658.274	8.8971	10241.58	267.1809
p1-s1	SLU-38	Min M3	-17817.1	-17.063	657.766	4.8946	10344.15	-114.63
p1-s1	SLU-39	Max P	-15856.8	47.491	-710.017	-3.2815	-8619.9	545.7224
p1-s1	SLU-39	Min P	-18830	40.591	-702.448	-2.8946	-12651.1	473.2707
p1-s1	SLU-39	Max M2	-16634	44.282	-705.885	-5.2964	-7246.31	512.0257
p1-s1	SLU-39	Min M2	-18171.9	41.439	-704.334	-1.5732	-14004.8	482.1791
p1-s1	SLU-39	Max M3	-17595.3	57.469	-703.787	-4.4382	-10522	650.4943
p1-s1	SLU-39	Min M3	-17759.4	26.269	-703.331	-0.5881	-10991.1	322.8908
p1-s1	SLU-40	Max P	-15901.1	47.511	-701.155	-5.561	-8508.4	545.9333
p1-s1	SLU-40	Min P	-18879.1	43.861	-708.368	-6.0429	-4748.29	507.6053
p1-s1	SLU-40	Max M2	-18242.5	43.764	-706.11	-7.5482	-3195.72	506.5842
p1-s1	SLU-40	Min M2	-16693.5	42.458	-705.113	-3.6369	-9958.74	492.8708
p1-s1	SLU-40	Max M3	-17678	61.655	-706.625	-4.6065	-6528.7	694.44
p1-s1	SLU-40	Min M3	-17811.3	25.292	-707.133	-8.609	-6426.13	312.6297
p1-s1	SLU-41	Max P	-16438.4	5.347	654.958	10.2812	8025.37	120.6732
p1-s1	SLU-41	Min P	-19411.6	-1.553	662.527	10.6681	3994.146	48.2215
p1-s1	SLU-41	Max M2	-17215.6	2.138	659.09	8.2664	9398.952	86.9765
p1-s1	SLU-41	Min M2	-18753.5	-0.705	660.641	11.9895	2640.439	57.1299
p1-s1	SLU-41	Max M3	-18176.9	15.325	661.188	9.1246	6123.25	225.4451
p1-s1	SLU-41	Min M3	-18341	-15.875	661.644	12.9746	5654.208	-102.158

p1-s1	SLU-42	Max P	-16482.6	5.367	663.82	8.0017	8136.865	120.8841
p1-s1	SLU-42	Min P	-19460.6	1.717	656.607	7.5199	11896.98	82.5561
p1-s1	SLU-42	Max M2	-18824.1	1.619	658.865	6.0146	13449.54	81.535
p1-s1	SLU-42	Min M2	-17275	0.314	659.862	9.9258	6686.529	67.8215
p1-s1	SLU-42	Max M3	-18259.6	19.51	658.35	8.9563	10116.56	269.3908
p1-s1	SLU-42	Min M3	-18392.8	-16.852	657.842	4.9537	10219.13	-112.42
p1-s1	SLU-43	Max P	-16432.5	47.702	-709.941	-3.2224	-8744.92	547.9324
p1-s1	SLU-43	Min P	-19405.7	40.801	-702.372	-2.8355	-12776.1	475.4807
p1-s1	SLU-43	Max M2	-17209.7	44.492	-705.81	-5.2372	-7371.33	514.2356
p1-s1	SLU-43	Min M2	-18747.6	41.65	-704.258	-1.5141	-14129.8	484.389
p1-s1	SLU-43	Max M3	-18171	57.68	-703.712	-4.379	-10647	652.7043
p1-s1	SLU-43	Min M3	-18335.2	26.479	-703.255	-0.529	-11116.1	325.1008
p1-s1	SLU-44	Max P	-16476.8	47.722	-701.079	-5.5018	-8633.42	548.1433
p1-s1	SLU-44	Min P	-19454.8	44.071	-708.292	-5.9837	-4873.31	509.8153
p1-s1	SLU-44	Max M2	-18818.3	43.974	-706.034	-7.489	-3320.75	508.7941
p1-s1	SLU-44	Min M2	-17269.2	42.668	-705.037	-3.5777	-10083.8	495.0807
p1-s1	SLU-44	Max M3	-18253.7	61.865	-706.549	-4.5473	-6653.72	696.65
p1-s1	SLU-44	Min M3	-18387	25.502	-707.057	-8.5498	-6551.16	314.8397
p1-s1	SLU-45	Max P	-16083.8	7.865	654.977	10.1881	8176.5	147.1162
p1-s1	SLU-45	Min P	-19057	0.965	662.546	10.575	4145.276	74.6645
p1-s1	SLU-45	Max M2	-16861	4.656	659.108	8.1733	9550.083	113.4194
p1-s1	SLU-45	Min M2	-18398.9	1.814	660.66	11.8965	2791.569	83.5728
p1-s1	SLU-45	Max M3	-17822.3	17.844	661.207	9.0315	6274.38	251.888
p1-s1	SLU-45	Min M3	-17986.4	-13.357	661.663	12.8815	5805.338	-75.7154
p1-s1	SLU-46	Max P	-16128.1	7.886	663.839	7.9087	8287.995	147.3271
p1-s1	SLU-46	Min P	-19106.1	4.235	656.626	7.4268	12048.11	108.9991
p1-s1	SLU-46	Max M2	-18469.5	4.138	658.884	5.9215	13600.67	107.9779
p1-s1	SLU-46	Min M2	-16920.5	2.832	659.881	9.8328	6837.66	94.2645
p1-s1	SLU-46	Max M3	-17905	22.029	658.369	8.8632	10267.69	295.8338
p1-s1	SLU-46	Min M3	-18038.3	-14.334	657.861	4.8607	10370.26	-85.9765
p1-s1	SLU-47	Max P	-16078	50.22	-709.922	-3.3154	-8593.79	574.3753
p1-s1	SLU-47	Min P	-19051.2	43.32	-702.353	-2.9285	-12625	501.9236
p1-s1	SLU-47	Max M2	-16855.2	47.011	-705.791	-5.3303	-7220.2	540.6786
p1-s1	SLU-47	Min M2	-18393.1	44.168	-704.239	-1.6071	-13978.7	510.832
p1-s1	SLU-47	Max M3	-17816.5	60.198	-703.693	-4.4721	-10495.9	679.1472
p1-s1	SLU-47	Min M3	-17980.6	28.998	-703.237	-0.622	-10964.9	351.5438
p1-s1	SLU-48	Max P	-16122.2	50.24	-701.06	-5.5949	-8482.29	574.5862
p1-s1	SLU-48	Min P	-19100.2	46.59	-708.273	-6.0768	-4722.18	536.2582
p1-s1	SLU-48	Max M2	-18463.7	46.492	-706.015	-7.5821	-3169.62	535.2371
p1-s1	SLU-48	Min M2	-16914.6	45.186	-705.019	-3.6708	-9932.63	521.5237
p1-s1	SLU-48	Max M3	-17899.2	64.383	-706.531	-4.6404	-6502.59	723.093
p1-s1	SLU-48	Min M3	-18032.4	28.021	-707.038	-8.6429	-6400.03	341.2826
p1-s1	SLU-49	Max P	-16219.3	-705.729	688.032	6.097	8431.248	-7345.62
p1-s1	SLU-49	Min P	-19192.5	-712.629	695.6	6.4839	4400.024	-7418.07
p1-s1	SLU-49	Max M2	-16996.5	-708.938	692.163	4.0821	9804.831	-7379.32
p1-s1	SLU-49	Min M2	-18534.4	-711.78	693.715	7.8053	3046.317	-7409.16
p1-s1	SLU-49	Max M3	-17957.8	-695.75	694.261	4.9403	6529.128	-7240.85
p1-s1	SLU-49	Min M3	-18121.9	-726.951	694.717	8.7904	6060.086	-7568.45
p1-s1	SLU-50	Max P	-16263.5	-705.708	696.894	3.8175	8542.743	-7345.41
p1-s1	SLU-50	Min P	-19241.5	-709.359	689.681	3.3356	12302.86	-7383.74
p1-s1	SLU-50	Max M2	-18605	-709.456	691.939	1.8303	13855.42	-7384.76

p1-s1	SLU-50	Min M2	-17055.9	-710.762	692.935	5.7416	7092.408	-7398.47
p1-s1	SLU-50	Max M3	-18040.5	-691.565	691.423	4.772	10522.44	-7196.9
p1-s1	SLU-50	Min M3	-18173.7	-727.928	690.916	0.7695	10625.01	-7578.71
p1-s1	SLU-51	Max P	-16213.4	-663.374	-676.868	-7.4066	-8339.04	-6918.36
p1-s1	SLU-51	Min P	-19186.6	-670.274	-669.299	-7.0197	-12370.3	-6990.81
p1-s1	SLU-51	Max M2	-16990.6	-666.583	-672.736	-9.4214	-6965.46	-6952.06
p1-s1	SLU-51	Min M2	-18528.5	-669.426	-671.184	-5.6983	-13724	-6981.91
p1-s1	SLU-51	Max M3	-17951.9	-653.396	-670.638	-8.5633	-10241.2	-6813.59
p1-s1	SLU-51	Min M3	-18116.1	-684.596	-670.182	-4.7132	-10710.2	-7141.19
p1-s1	SLU-52	Max P	-16257.7	-663.354	-668.005	-9.6861	-8227.54	-6918.15
p1-s1	SLU-52	Min P	-19235.7	-667.004	-675.218	-10.168	-4467.43	-6956.48
p1-s1	SLU-52	Max M2	-18599.2	-667.102	-672.96	-11.6733	-2914.87	-6957.5
p1-s1	SLU-52	Min M2	-17050.1	-668.408	-671.964	-7.762	-9677.88	-6971.21
p1-s1	SLU-52	Max M3	-18034.6	-649.211	-673.476	-8.7316	-6247.85	-6769.64
p1-s1	SLU-52	Min M3	-18167.9	-685.573	-673.983	-12.7341	-6145.28	-7151.45
p1-s1	SLU-53	Max P	-15864.7	-703.21	688.051	6.0039	8582.379	-7319.18
p1-s1	SLU-53	Min P	-18837.9	-710.111	695.619	6.3908	4551.155	-7391.63
p1-s1	SLU-53	Max M2	-16641.9	-706.419	692.182	3.9891	9955.961	-7352.87
p1-s1	SLU-53	Min M2	-18179.8	-709.262	693.734	7.7122	3197.448	-7382.72
p1-s1	SLU-53	Max M3	-17603.2	-693.232	694.28	4.8473	6680.259	-7214.41
p1-s1	SLU-53	Min M3	-17767.3	-724.432	694.736	8.6973	6211.217	-7542.01
p1-s1	SLU-54	Max P	-15909	-703.19	696.913	3.7245	8693.874	-7318.97
p1-s1	SLU-54	Min P	-18887	-706.841	689.7	3.2426	12453.99	-7357.3
p1-s1	SLU-54	Max M2	-18250.4	-706.938	691.958	1.7373	14006.55	-7358.32
p1-s1	SLU-54	Min M2	-16701.4	-708.244	692.954	5.6486	7243.538	-7372.03
p1-s1	SLU-54	Max M3	-17685.9	-689.047	691.442	4.679	10673.57	-7170.46
p1-s1	SLU-54	Min M3	-17819.2	-725.41	690.935	0.6764	10776.14	-7552.27
p1-s1	SLU-55	Max P	-15858.9	-660.856	-676.849	-7.4997	-8187.91	-6891.92
p1-s1	SLU-55	Min P	-18832.1	-667.756	-669.28	-7.1128	-12219.1	-6964.37
p1-s1	SLU-55	Max M2	-16636.1	-664.065	-672.717	-9.5145	-6814.33	-6925.62
p1-s1	SLU-55	Min M2	-18174	-666.907	-671.166	-5.7914	-13572.8	-6955.46
p1-s1	SLU-55	Max M3	-17597.4	-650.877	-670.619	-8.6563	-10090	-6787.15
p1-s1	SLU-55	Min M3	-17761.5	-682.078	-670.163	-4.8063	-10559.1	-7114.75
p1-s1	SLU-56	Max P	-15903.1	-660.835	-667.986	-9.7791	-8076.41	-6891.71
p1-s1	SLU-56	Min P	-18881.1	-664.486	-675.199	-10.261	-4316.3	-6930.04
p1-s1	SLU-56	Max M2	-18244.6	-664.583	-672.942	-11.7663	-2763.74	-6931.06
p1-s1	SLU-56	Min M2	-16695.5	-665.889	-671.945	-7.855	-9526.75	-6944.77
p1-s1	SLU-56	Max M3	-17680.1	-646.692	-673.457	-8.8246	-6096.71	-6743.2
p1-s1	SLU-56	Min M3	-17813.3	-683.055	-673.965	-12.8271	-5994.15	-7125.01
p1-s1	SLU-57	Max P	-16440.4	-703	688.126	6.063	8457.357	-7316.97
p1-s1	SLU-57	Min P	-19413.7	-709.9	695.695	6.45	4426.133	-7389.42
p1-s1	SLU-57	Max M2	-17217.6	-706.209	692.258	4.0482	9830.94	-7350.66
p1-s1	SLU-57	Min M2	-18755.5	-709.052	693.81	7.7714	3072.426	-7380.51
p1-s1	SLU-57	Max M3	-18178.9	-693.022	694.356	4.9064	6555.237	-7212.2
p1-s1	SLU-57	Min M3	-18343.1	-724.222	694.812	8.7565	6086.195	-7539.8
p1-s1	SLU-58	Max P	-16484.7	-702.98	696.989	3.7836	8568.852	-7316.76
p1-s1	SLU-58	Min P	-19462.7	-706.63	689.776	3.3017	12328.97	-7355.09
p1-s1	SLU-58	Max M2	-18826.2	-706.727	692.033	1.7964	13881.53	-7356.11
p1-s1	SLU-58	Min M2	-17277.1	-708.033	693.03	5.7077	7118.517	-7369.82
p1-s1	SLU-58	Max M3	-18261.6	-688.836	691.518	4.7381	10548.55	-7168.25
p1-s1	SLU-58	Min M3	-18394.9	-725.199	691.011	0.7356	10651.12	-7550.06

p1-s1	SLU-59	Max P	-16434.6	-660.645	-676.773	-7.4405	-8312.93	-6889.71
p1-s1	SLU-59	Min P	-19407.8	-667.546	-669.204	-7.0536	-12344.2	-6962.16
p1-s1	SLU-59	Max M2	-17211.8	-663.854	-672.641	-9.4553	-6939.35	-6923.41
p1-s1	SLU-59	Min M2	-18749.7	-666.697	-671.09	-5.7322	-13697.9	-6953.25
p1-s1	SLU-59	Max M3	-18173.1	-650.667	-670.543	-8.5972	-10215	-6784.94
p1-s1	SLU-59	Min M3	-18337.2	-681.867	-670.087	-4.7471	-10684.1	-7112.54
p1-s1	SLU-60	Max P	-16478.8	-660.625	-667.911	-9.72	-8201.43	-6889.5
p1-s1	SLU-60	Min P	-19456.8	-664.276	-675.124	-10.2019	-4441.32	-6927.83
p1-s1	SLU-60	Max M2	-18820.3	-664.373	-672.866	-11.7072	-2888.76	-6928.85
p1-s1	SLU-60	Min M2	-17271.2	-665.679	-671.869	-7.7959	-9651.77	-6942.56
p1-s1	SLU-60	Max M3	-18255.8	-646.482	-673.381	-8.7655	-6221.74	-6740.99
p1-s1	SLU-60	Min M3	-18389.1	-682.845	-673.889	-12.768	-6119.17	-7122.8
p1-s1	SLU-61	Max P	-16085.9	-700.481	688.145	5.97	8608.488	-7290.53
p1-s1	SLU-61	Min P	-19059.1	-707.382	695.714	6.3569	4577.264	-7362.98
p1-s1	SLU-61	Max M2	-16863.1	-703.691	692.277	3.9552	9982.07	-7324.22
p1-s1	SLU-61	Min M2	-18401	-706.533	693.828	7.6783	3223.557	-7354.07
p1-s1	SLU-61	Max M3	-17824.4	-690.503	694.375	4.8134	6706.368	-7185.75
p1-s1	SLU-61	Min M3	-17988.5	-721.704	694.831	8.6634	6237.326	-7513.36
p1-s1	SLU-62	Max P	-16130.1	-700.461	697.008	3.6905	8719.983	-7290.31
p1-s1	SLU-62	Min P	-19108.1	-704.112	689.795	3.2087	12480.1	-7328.64
p1-s1	SLU-62	Max M2	-18471.6	-704.209	692.052	1.7033	14032.66	-7329.66
p1-s1	SLU-62	Min M2	-16922.5	-705.515	693.049	5.6146	7269.647	-7343.38
p1-s1	SLU-62	Max M3	-17907.1	-686.318	691.537	4.6451	10699.68	-7141.81
p1-s1	SLU-62	Min M3	-18040.3	-722.681	691.029	0.6425	10802.25	-7523.62
p1-s1	SLU-63	Max P	-16080	-658.127	-676.754	-7.5336	-8161.8	-6863.27
p1-s1	SLU-63	Min P	-19053.2	-665.027	-669.185	-7.1467	-12193	-6935.72
p1-s1	SLU-63	Max M2	-16857.2	-661.336	-672.622	-9.5484	-6788.22	-6896.96
p1-s1	SLU-63	Min M2	-18395.1	-664.179	-671.071	-5.8253	-13546.7	-6926.81
p1-s1	SLU-63	Max M3	-17818.5	-648.149	-670.524	-8.6902	-10063.9	-6758.49
p1-s1	SLU-63	Min M3	-17982.7	-679.349	-670.068	-4.8402	-10533	-7086.1
p1-s1	SLU-64	Max P	-16124.3	-658.107	-667.892	-9.813	-8050.3	-6863.06
p1-s1	SLU-64	Min P	-19102.3	-661.757	-675.105	-10.2949	-4290.19	-6901.38
p1-s1	SLU-64	Max M2	-18465.7	-661.854	-672.847	-11.8002	-2737.63	-6902.4
p1-s1	SLU-64	Min M2	-16916.7	-663.16	-671.85	-7.8889	-9500.64	-6916.12
p1-s1	SLU-64	Max M3	-17901.2	-643.963	-673.362	-8.8585	-6070.61	-6714.55
p1-s1	SLU-64	Min M3	-18034.5	-680.326	-673.87	-12.861	-5968.04	-7096.36
p1-s1	SLU-65	Max P	-16219	-354.377	804.346	-10.18	9966.457	-3656.43
p1-s1	SLU-65	Min P	-19192.2	-361.278	811.915	-9.7931	5935.233	-3728.89
p1-s1	SLU-65	Max M2	-16996.2	-357.587	808.477	-12.1948	11340.04	-3690.13
p1-s1	SLU-65	Min M2	-18534.1	-360.429	810.029	-8.4716	4581.526	-3719.98
p1-s1	SLU-65	Max M3	-17957.5	-344.399	810.576	-11.3366	8064.337	-3551.66
p1-s1	SLU-65	Min M3	-18121.7	-375.6	811.032	-7.4866	7595.295	-3879.27
p1-s1	SLU-66	Max P	-16263.3	-354.357	813.208	-12.4594	10077.95	-3656.22
p1-s1	SLU-66	Min P	-19241.3	-358.008	805.995	-12.9413	13838.07	-3694.55
p1-s1	SLU-66	Max M2	-18604.8	-358.105	808.253	-14.4466	15390.63	-3695.57
p1-s1	SLU-66	Min M2	-17055.7	-359.411	809.25	-10.5353	8627.617	-3709.29
p1-s1	SLU-66	Max M3	-18040.2	-340.214	807.738	-11.5049	12057.65	-3507.72
p1-s1	SLU-66	Min M3	-18173.5	-376.577	807.23	-15.5074	12160.22	-3889.53
p1-s1	SLU-67	Max P	-16213.2	-312.023	-560.553	-23.6835	-6803.83	-3229.17
p1-s1	SLU-67	Min P	-19186.4	-318.923	-552.985	-23.2966	-10835.1	-3301.63
p1-s1	SLU-67	Max M2	-16990.4	-315.232	-556.422	-25.6984	-5430.25	-3262.87

p1-s1	SLU-67	Min M2	-18528.3	-318.075	-554.87	-21.9752	-12188.8	-3292.72
p1-s1	SLU-67	Max M3	-17951.7	-302.045	-554.324	-24.8402	-8705.95	-3124.4
p1-s1	SLU-67	Min M3	-18115.8	-333.245	-553.868	-20.9901	-9174.99	-3452.01
p1-s1	SLU-68	Max P	-16257.4	-312.003	-551.691	-25.963	-6692.33	-3228.96
p1-s1	SLU-68	Min P	-19235.4	-315.653	-558.904	-26.4449	-2932.22	-3267.29
p1-s1	SLU-68	Max M2	-18598.9	-315.75	-556.646	-27.9502	-1379.66	-3268.31
p1-s1	SLU-68	Min M2	-17049.8	-317.056	-555.65	-24.0389	-8142.67	-3282.03
p1-s1	SLU-68	Max M3	-18034.4	-297.859	-557.162	-25.0085	-4712.64	-3080.46
p1-s1	SLU-68	Min M3	-18167.6	-334.222	-557.669	-29.011	-4610.07	-3462.27
p1-s1	SLU-69	Max P	-15864.5	-351.859	804.365	-10.273	10117.59	-3629.99
p1-s1	SLU-69	Min P	-18837.7	-358.759	811.934	-9.8861	6086.364	-3702.44
p1-s1	SLU-69	Max M2	-16641.7	-355.068	808.496	-12.2878	11491.17	-3663.69
p1-s1	SLU-69	Min M2	-18179.6	-357.911	810.048	-8.5647	4732.657	-3693.53
p1-s1	SLU-69	Max M3	-17602.9	-341.881	810.594	-11.4297	8215.468	-3525.22
p1-s1	SLU-69	Min M3	-17767.1	-373.081	811.051	-7.5796	7746.426	-3852.82
p1-s1	SLU-70	Max P	-15908.7	-351.839	813.227	-12.5525	10229.08	-3629.78
p1-s1	SLU-70	Min P	-18886.7	-355.489	806.014	-13.0344	13989.2	-3668.11
p1-s1	SLU-70	Max M2	-18250.2	-355.587	808.272	-14.5397	15541.76	-3669.13
p1-s1	SLU-70	Min M2	-16701.1	-356.893	809.269	-10.6284	8778.747	-3682.84
p1-s1	SLU-70	Max M3	-17685.7	-337.696	807.757	-11.598	12208.78	-3481.27
p1-s1	SLU-70	Min M3	-17818.9	-374.058	807.249	-15.6005	12311.35	-3863.08
p1-s1	SLU-71	Max P	-15858.6	-309.504	-560.534	-23.7766	-6652.7	-3202.73
p1-s1	SLU-71	Min P	-18831.8	-316.405	-552.966	-23.3897	-10683.9	-3275.18
p1-s1	SLU-71	Max M2	-16635.8	-312.714	-556.403	-25.7914	-5279.12	-3236.43
p1-s1	SLU-71	Min M2	-18173.7	-315.556	-554.851	-22.0683	-12037.6	-3266.28
p1-s1	SLU-71	Max M3	-17597.1	-299.526	-554.305	-24.9332	-8554.82	-3097.96
p1-s1	SLU-71	Min M3	-17761.2	-330.727	-553.849	-21.0832	-9023.86	-3425.56
p1-s1	SLU-72	Max P	-15902.9	-309.484	-551.672	-26.056	-6541.2	-3202.52
p1-s1	SLU-72	Min P	-18880.9	-313.135	-558.885	-26.5379	-2781.09	-3240.85
p1-s1	SLU-72	Max M2	-18244.3	-313.232	-556.627	-28.0432	-1228.53	-3241.87
p1-s1	SLU-72	Min M2	-16695.3	-314.538	-555.631	-24.1319	-7991.54	-3255.58
p1-s1	SLU-72	Max M3	-17679.8	-295.341	-557.143	-25.1015	-4561.51	-3054.01
p1-s1	SLU-72	Min M3	-17813.1	-331.704	-557.65	-29.1041	-4458.94	-3435.82
p1-s1	SLU-73	Max P	-16440.2	-351.649	804.441	-10.2139	9992.566	-3627.78
p1-s1	SLU-73	Min P	-19413.4	-358.549	812.009	-9.827	5961.342	-3700.23
p1-s1	SLU-73	Max M2	-17217.4	-354.858	808.572	-12.2287	11366.15	-3661.48
p1-s1	SLU-73	Min M2	-18755.3	-357.7	810.124	-8.5055	4607.635	-3691.32
p1-s1	SLU-73	Max M3	-18178.7	-341.67	810.67	-11.3705	8090.446	-3523.01
p1-s1	SLU-73	Min M3	-18342.8	-372.871	811.126	-7.5205	7621.404	-3850.61
p1-s1	SLU-74	Max P	-16484.4	-351.628	813.303	-12.4933	10104.06	-3627.57
p1-s1	SLU-74	Min P	-19462.4	-355.279	806.09	-12.9752	13864.17	-3665.9
p1-s1	SLU-74	Max M2	-18825.9	-355.376	808.348	-14.4805	15416.74	-3666.92
p1-s1	SLU-74	Min M2	-17276.8	-356.682	809.344	-10.5692	8653.726	-3680.63
p1-s1	SLU-74	Max M3	-18261.4	-337.485	807.832	-11.5388	12083.76	-3479.06
p1-s1	SLU-74	Min M3	-18394.6	-373.848	807.325	-15.5413	12186.33	-3860.87
p1-s1	SLU-75	Max P	-16434.3	-309.294	-560.459	-23.7175	-6777.72	-3200.52
p1-s1	SLU-75	Min P	-19407.6	-316.194	-552.89	-23.3305	-10808.9	-3272.97
p1-s1	SLU-75	Max M2	-17211.5	-312.503	-556.327	-25.7323	-5404.14	-3234.22
p1-s1	SLU-75	Min M2	-18749.4	-315.346	-554.775	-22.0091	-12162.7	-3264.07
p1-s1	SLU-75	Max M3	-18172.8	-299.316	-554.229	-24.8741	-8679.84	-3095.75
p1-s1	SLU-75	Min M3	-18337	-330.516	-553.773	-21.024	-9148.88	-3423.35

p1-s1	SLU-76	Max P	-16478.6	-309.274	-551.596	-25.9969	-6666.23	-3200.31
p1-s1	SLU-76	Min P	-19456.6	-312.924	-558.809	-26.4788	-2906.11	-3238.64
p1-s1	SLU-76	Max M2	-18820.1	-313.022	-556.551	-27.9841	-1353.55	-3239.66
p1-s1	SLU-76	Min M2	-17271	-314.328	-555.555	-24.0728	-8116.56	-3253.37
p1-s1	SLU-76	Max M3	-18255.5	-295.131	-557.067	-25.0424	-4686.53	-3051.8
p1-s1	SLU-76	Min M3	-18388.8	-331.493	-557.574	-29.0449	-4583.96	-3433.61
p1-s1	SLU-77	Max P	-16085.6	-349.13	804.46	-10.3069	10143.7	-3601.34
p1-s1	SLU-77	Min P	-19058.8	-356.031	812.028	-9.92	6112.473	-3673.79
p1-s1	SLU-77	Max M2	-16862.8	-352.339	808.591	-12.3217	11517.28	-3635.03
p1-s1	SLU-77	Min M2	-18400.7	-355.182	810.143	-8.5986	4758.766	-3664.88
p1-s1	SLU-77	Max M3	-17824.1	-339.152	810.689	-11.4636	8241.577	-3496.57
p1-s1	SLU-77	Min M3	-17988.2	-370.352	811.145	-7.6135	7772.535	-3824.17
p1-s1	SLU-78	Max P	-16129.9	-349.11	813.322	-12.5864	10255.19	-3601.13
p1-s1	SLU-78	Min P	-19107.9	-352.761	806.109	-13.0683	14015.31	-3639.46
p1-s1	SLU-78	Max M2	-18471.3	-352.858	808.367	-14.5736	15567.87	-3640.48
p1-s1	SLU-78	Min M2	-16922.3	-354.164	809.363	-10.6623	8804.856	-3654.19
p1-s1	SLU-78	Max M3	-17906.8	-334.967	807.851	-11.6319	12234.89	-3452.62
p1-s1	SLU-78	Min M3	-18040.1	-371.33	807.344	-15.6344	12337.46	-3834.43
p1-s1	SLU-79	Max P	-16079.8	-306.776	-560.44	-23.8105	-6626.59	-3174.08
p1-s1	SLU-79	Min P	-19053	-313.676	-552.871	-23.4236	-10657.8	-3246.53
p1-s1	SLU-79	Max M2	-16857	-309.985	-556.308	-25.8253	-5253.01	-3207.78
p1-s1	SLU-79	Min M2	-18394.9	-312.827	-554.756	-22.1022	-12011.5	-3237.62
p1-s1	SLU-79	Max M3	-17818.3	-296.797	-554.21	-24.9671	-8528.71	-3069.31
p1-s1	SLU-79	Min M3	-17982.4	-327.998	-553.754	-21.1171	-8997.75	-3396.91
p1-s1	SLU-80	Max P	-16124	-306.755	-551.577	-26.0899	-6515.1	-3173.87
p1-s1	SLU-80	Min P	-19102	-310.406	-558.79	-26.5718	-2754.98	-3212.2
p1-s1	SLU-80	Max M2	-18465.5	-310.503	-556.533	-28.0771	-1202.42	-3213.22
p1-s1	SLU-80	Min M2	-16916.4	-311.809	-555.536	-24.1659	-7965.43	-3226.93
p1-s1	SLU-80	Max M3	-17901	-292.612	-557.048	-25.1354	-4535.4	-3025.36
p1-s1	SLU-80	Min M3	-18034.2	-328.975	-557.556	-29.138	-4432.83	-3407.17
p1-s1	SLU-81	Max P	-16218.1	-349.751	688.216	-4.2407	8418.917	-3607.86
p1-s1	SLU-81	Min P	-19191.4	-356.652	695.784	-3.8538	4387.692	-3680.31
p1-s1	SLU-81	Max M2	-16995.3	-352.961	692.347	-6.2555	9792.499	-3641.56
p1-s1	SLU-81	Min M2	-18533.3	-355.803	693.899	-2.5324	3033.985	-3671.4
p1-s1	SLU-81	Max M3	-17956.6	-339.773	694.445	-5.3973	6516.796	-3503.09
p1-s1	SLU-81	Min M3	-18120.8	-370.974	694.901	-1.5473	6047.754	-3830.69
p1-s1	SLU-82	Max P	-16262.4	-349.731	697.078	-6.5201	8530.412	-3607.65
p1-s1	SLU-82	Min P	-19240.4	-353.382	689.865	-7.002	12290.53	-3645.98
p1-s1	SLU-82	Max M2	-18603.9	-353.479	692.123	-8.5073	13843.09	-3647
p1-s1	SLU-82	Min M2	-17054.8	-354.785	693.119	-4.596	7080.076	-3660.71
p1-s1	SLU-82	Max M3	-18039.4	-335.588	691.607	-5.5656	10510.11	-3459.14
p1-s1	SLU-82	Min M3	-18172.6	-371.951	691.1	-9.5682	10612.68	-3840.95
p1-s1	SLU-83	Max P	-16212.3	-307.397	-676.684	-17.7443	-8351.37	-3180.6
p1-s1	SLU-83	Min P	-19185.5	-314.297	-669.115	-17.3574	-12382.6	-3253.05
p1-s1	SLU-83	Max M2	-16989.5	-310.606	-672.552	-19.7591	-6977.79	-3214.3
p1-s1	SLU-83	Min M2	-18527.4	-313.449	-671	-16.0359	-13736.3	-3244.14
p1-s1	SLU-83	Max M3	-17950.8	-297.419	-670.454	-18.9009	-10253.5	-3075.83
p1-s1	SLU-83	Min M3	-18114.9	-328.619	-669.998	-15.0509	-10722.5	-3403.43
p1-s1	SLU-84	Max P	-16256.6	-307.377	-667.821	-20.0237	-8239.88	-3180.39
p1-s1	SLU-84	Min P	-19234.6	-311.027	-675.034	-20.5056	-4479.76	-3218.72
p1-s1	SLU-84	Max M2	-18598	-311.124	-672.776	-22.0109	-2927.2	-3219.74

p1-s1	SLU-84	Min M2	-17048.9	-312.43	-671.78	-18.0996	-9690.21	-3233.45
p1-s1	SLU-84	Max M3	-18033.5	-293.233	-673.292	-19.0692	-6260.18	-3031.88
p1-s1	SLU-84	Min M3	-18166.8	-329.596	-673.799	-23.0717	-6157.61	-3413.69
p1-s1	SLU-85	Max P	-15863.6	-347.233	688.235	-4.3338	8570.047	-3581.42
p1-s1	SLU-85	Min P	-18836.8	-354.133	695.803	-3.9469	4538.823	-3653.87
p1-s1	SLU-85	Max M2	-16640.8	-350.442	692.366	-6.3486	9943.63	-3615.11
p1-s1	SLU-85	Min M2	-18178.7	-353.285	693.918	-2.6254	3185.116	-3644.96
p1-s1	SLU-85	Max M3	-17602.1	-337.255	694.464	-5.4904	6667.927	-3476.65
p1-s1	SLU-85	Min M3	-17766.2	-368.455	694.92	-1.6404	6198.885	-3804.25
p1-s1	SLU-86	Max P	-15907.8	-347.213	697.097	-6.6132	8681.542	-3581.21
p1-s1	SLU-86	Min P	-18885.8	-350.863	689.884	-7.0951	12441.66	-3619.53
p1-s1	SLU-86	Max M2	-18249.3	-350.961	692.142	-8.6004	13994.22	-3620.56
p1-s1	SLU-86	Min M2	-16700.2	-352.267	693.138	-4.6891	7231.206	-3634.27
p1-s1	SLU-86	Max M3	-17684.8	-333.07	691.626	-5.6587	10661.24	-3432.7
p1-s1	SLU-86	Min M3	-17818	-369.432	691.119	-9.6612	10763.81	-3814.51
p1-s1	SLU-87	Max P	-15857.7	-304.878	-676.665	-17.8373	-8200.24	-3154.16
p1-s1	SLU-87	Min P	-18831	-311.779	-669.096	-17.4504	-12231.5	-3226.61
p1-s1	SLU-87	Max M2	-16634.9	-308.088	-672.533	-19.8522	-6826.66	-3187.86
p1-s1	SLU-87	Min M2	-18172.8	-310.93	-670.981	-16.129	-13585.2	-3217.7
p1-s1	SLU-87	Max M3	-17596.2	-294.9	-670.435	-18.994	-10102.4	-3049.39
p1-s1	SLU-87	Min M3	-17760.4	-326.101	-669.979	-15.1439	-10571.4	-3376.99
p1-s1	SLU-88	Max P	-15902	-304.858	-667.802	-20.1168	-8088.74	-3153.95
p1-s1	SLU-88	Min P	-18880	-308.509	-675.015	-20.5987	-4328.63	-3192.28
p1-s1	SLU-88	Max M2	-18243.5	-308.606	-672.758	-22.104	-2776.07	-3193.3
p1-s1	SLU-88	Min M2	-16694.4	-309.912	-671.761	-18.1927	-9539.08	-3207.01
p1-s1	SLU-88	Max M3	-17678.9	-290.715	-673.273	-19.1623	-6109.05	-3005.44
p1-s1	SLU-88	Min M3	-17812.2	-327.078	-673.781	-23.1648	-6006.48	-3387.25
p1-s1	SLU-89	Max P	-16439.3	-347.023	688.31	-4.2746	8445.026	-3579.21
p1-s1	SLU-89	Min P	-19412.5	-353.923	695.879	-3.8877	4413.801	-3651.66
p1-s1	SLU-89	Max M2	-17216.5	-350.232	692.442	-6.2894	9818.608	-3612.9
p1-s1	SLU-89	Min M2	-18754.4	-353.074	693.994	-2.5663	3060.094	-3642.75
p1-s1	SLU-89	Max M3	-18177.8	-337.044	694.54	-5.4312	6542.905	-3474.44
p1-s1	SLU-89	Min M3	-18341.9	-368.245	694.996	-1.5812	6073.863	-3802.04
p1-s1	SLU-90	Max P	-16483.6	-347.002	697.173	-6.554	8556.52	-3579
p1-s1	SLU-90	Min P	-19461.6	-350.653	689.96	-7.0359	12316.63	-3617.32
p1-s1	SLU-90	Max M2	-18825	-350.75	692.218	-8.5412	13869.2	-3618.35
p1-s1	SLU-90	Min M2	-17276	-352.056	693.214	-4.6299	7106.185	-3632.06
p1-s1	SLU-90	Max M3	-18260.5	-332.859	691.702	-5.5995	10536.22	-3430.49
p1-s1	SLU-90	Min M3	-18393.8	-369.222	691.195	-9.6021	10638.79	-3812.3
p1-s1	SLU-91	Max P	-16433.5	-304.668	-676.589	-17.7782	-8325.26	-3151.95
p1-s1	SLU-91	Min P	-19406.7	-311.568	-669.02	-17.3913	-12356.5	-3224.4
p1-s1	SLU-91	Max M2	-17210.6	-307.877	-672.457	-19.793	-6951.68	-3185.65
p1-s1	SLU-91	Min M2	-18748.6	-310.72	-670.906	-16.0699	-13710.2	-3215.49
p1-s1	SLU-91	Max M3	-18171.9	-294.69	-670.359	-18.9348	-10227.4	-3047.18
p1-s1	SLU-91	Min M3	-18336.1	-325.89	-669.903	-15.0848	-10696.4	-3374.78
p1-s1	SLU-92	Max P	-16477.7	-304.648	-667.727	-20.0576	-8213.77	-3151.74
p1-s1	SLU-92	Min P	-19455.7	-308.298	-674.939	-20.5395	-4453.65	-3190.07
p1-s1	SLU-92	Max M2	-18819.2	-308.396	-672.682	-22.0448	-2901.09	-3191.09
p1-s1	SLU-92	Min M2	-17270.1	-309.702	-671.685	-18.1335	-9664.1	-3204.8
p1-s1	SLU-92	Max M3	-18254.7	-290.505	-673.197	-19.1031	-6234.07	-3003.23
p1-s1	SLU-92	Min M3	-18387.9	-326.867	-673.705	-23.1056	-6131.5	-3385.04

p1-s1	SLU-93	Max P	-16084.7	-344.504	688.329	-4.3677	8596.156	-3552.76
p1-s1	SLU-93	Min P	-19058	-351.405	695.898	-3.9808	4564.932	-3625.22
p1-s1	SLU-93	Max M2	-16861.9	-347.713	692.461	-6.3825	9969.739	-3586.46
p1-s1	SLU-93	Min M2	-18399.8	-350.556	694.013	-2.6593	3211.225	-3616.31
p1-s1	SLU-93	Max M3	-17823.2	-334.526	694.559	-5.5243	6694.036	-3447.99
p1-s1	SLU-93	Min M3	-17987.4	-365.726	695.015	-1.6743	6224.994	-3775.6
p1-s1	SLU-94	Max P	-16129	-344.484	697.192	-6.6471	8707.651	-3552.55
p1-s1	SLU-94	Min P	-19107	-348.135	689.979	-7.129	12467.76	-3590.88
p1-s1	SLU-94	Max M2	-18470.5	-348.232	692.236	-8.6343	14020.33	-3591.9
p1-s1	SLU-94	Min M2	-16921.4	-349.538	693.233	-4.723	7257.315	-3605.62
p1-s1	SLU-94	Max M3	-17905.9	-330.341	691.721	-5.6926	10687.35	-3404.05
p1-s1	SLU-94	Min M3	-18039.2	-366.704	691.213	-9.6951	10789.92	-3785.86
p1-s1	SLU-95	Max P	-16078.9	-302.15	-676.57	-17.8712	-8174.13	-3125.51
p1-s1	SLU-95	Min P	-19052.1	-309.05	-669.001	-17.4843	-12205.4	-3197.96
p1-s1	SLU-95	Max M2	-16856.1	-305.359	-672.438	-19.8861	-6800.55	-3159.2
p1-s1	SLU-95	Min M2	-18394	-308.201	-670.887	-16.1629	-13559.1	-3189.05
p1-s1	SLU-95	Max M3	-17817.4	-292.171	-670.34	-19.0279	-10076.3	-3020.73
p1-s1	SLU-95	Min M3	-17981.5	-323.372	-669.884	-15.1778	-10545.3	-3348.34
p1-s1	SLU-96	Max P	-16123.1	-302.129	-667.708	-20.1507	-8062.64	-3125.29
p1-s1	SLU-96	Min P	-19101.2	-305.78	-674.921	-20.6326	-4302.52	-3163.62
p1-s1	SLU-96	Max M2	-18464.6	-305.877	-672.663	-22.1379	-2749.96	-3164.64
p1-s1	SLU-96	Min M2	-16915.5	-307.183	-671.666	-18.2266	-9512.97	-3178.36
p1-s1	SLU-96	Max M3	-17900.1	-287.986	-673.178	-19.1962	-6082.94	-2976.79
p1-s1	SLU-96	Min M3	-18033.4	-324.349	-673.686	-23.1987	-5980.37	-3358.6
p1-s1	SLU-97	Max P	-16219.7	-367.384	1126.376	12.7474	13770.25	-3787.18
p1-s1	SLU-97	Min P	-19192.9	-374.284	1133.945	13.1343	9739.028	-3859.63
p1-s1	SLU-97	Max M2	-16996.8	-370.593	1130.508	10.7326	15143.83	-3820.88
p1-s1	SLU-97	Min M2	-18534.8	-373.436	1132.06	14.4557	8385.321	-3850.72
p1-s1	SLU-97	Max M3	-17958.1	-357.406	1132.606	11.5908	11868.13	-3682.41
p1-s1	SLU-97	Min M3	-18122.3	-388.606	1133.062	15.4408	11399.09	-4010.01
p1-s1	SLU-98	Max P	-16263.9	-367.364	1135.239	10.468	13881.75	-3786.97
p1-s1	SLU-98	Min P	-19241.9	-371.014	1128.026	9.9861	17641.86	-3825.3
p1-s1	SLU-98	Max M2	-18605.4	-371.112	1130.284	8.4808	19194.42	-3826.32
p1-s1	SLU-98	Min M2	-17056.3	-372.417	1131.28	12.3921	12431.41	-3840.03
p1-s1	SLU-98	Max M3	-18040.9	-353.22	1129.768	11.4225	15861.45	-3638.46
p1-s1	SLU-98	Min M3	-18174.1	-389.583	1129.261	7.42	15964.01	-4020.27
p1-s1	SLU-99	Max P	-16209.9	-296.793	-1148.46	-9.7586	-14180.2	-3075.08
p1-s1	SLU-99	Min P	-19183.1	-303.693	-1140.89	-9.3716	-18211.4	-3147.53
p1-s1	SLU-99	Max M2	-16987.1	-300.002	-1144.32	-11.7734	-12806.6	-3108.78
p1-s1	SLU-99	Min M2	-18525	-302.845	-1142.77	-8.0502	-19565.2	-3138.63
p1-s1	SLU-99	Max M3	-17948.4	-286.815	-1142.23	-10.9152	-16082.3	-2970.31
p1-s1	SLU-99	Min M3	-18112.5	-318.015	-1141.77	-7.0652	-16551.4	-3297.91
p1-s1	SLU-100	Max P	-16254.2	-296.773	-1139.59	-12.038	-14068.7	-3074.87
p1-s1	SLU-100	Min P	-19232.2	-300.423	-1146.81	-12.5199	-10308.6	-3113.2
p1-s1	SLU-100	Max M2	-18595.6	-300.521	-1144.55	-14.0252	-8756.05	-3114.22
p1-s1	SLU-100	Min M2	-17046.6	-301.827	-1143.55	-10.1139	-15519.1	-3127.93
p1-s1	SLU-100	Max M3	-18031.1	-282.63	-1145.06	-11.0835	-12089	-2926.36
p1-s1	SLU-100	Min M3	-18164.4	-318.992	-1145.57	-15.086	-11986.5	-3308.18
p1-s1	SLU-101	Max P	-15865.1	-364.866	1126.395	12.6544	13921.38	-3760.74
p1-s1	SLU-101	Min P	-18838.3	-371.766	1133.964	13.0413	9890.159	-3833.19
p1-s1	SLU-101	Max M2	-16642.3	-368.075	1130.527	10.6395	15294.97	-3794.43

p1-s1	SLU-101	Min M2	-18180.2	-370.917	1132.079	14.3627	8536.451	-3824.28
p1-s1	SLU-101	Max M3	-17603.6	-354.887	1132.625	11.4977	12019.26	-3655.97
p1-s1	SLU-101	Min M3	-17767.7	-386.088	1133.081	15.3478	11550.22	-3983.57
p1-s1	SLU-102	Max P	-15909.3	-364.845	1135.258	10.3749	14032.88	-3760.53
p1-s1	SLU-102	Min P	-18887.4	-368.496	1128.045	9.893	17792.99	-3798.86
p1-s1	SLU-102	Max M2	-18250.8	-368.593	1130.303	8.3877	19345.55	-3799.88
p1-s1	SLU-102	Min M2	-16701.7	-369.899	1131.299	12.299	12582.54	-3813.59
p1-s1	SLU-102	Max M3	-17686.3	-350.702	1129.787	11.3294	16012.58	-3612.02
p1-s1	SLU-102	Min M3	-17819.6	-387.065	1129.28	7.3269	16115.14	-3993.83
p1-s1	SLU-103	Max P	-15855.3	-294.275	-1148.44	-9.8516	-14029.1	-3048.64
p1-s1	SLU-103	Min P	-18828.6	-301.175	-1140.87	-9.4647	-18060.3	-3121.09
p1-s1	SLU-103	Max M2	-16632.5	-297.484	-1144.31	-11.8664	-12655.5	-3082.34
p1-s1	SLU-103	Min M2	-18170.4	-300.326	-1142.75	-8.1433	-19414	-3112.18
p1-s1	SLU-103	Max M3	-17593.8	-284.296	-1142.21	-11.0083	-15931.2	-2943.87
p1-s1	SLU-103	Min M3	-17758	-315.497	-1141.75	-7.1582	-16400.3	-3271.47
p1-s1	SLU-104	Max P	-15899.6	-294.254	-1139.57	-12.1311	-13917.6	-3048.43
p1-s1	SLU-104	Min P	-18877.6	-297.905	-1146.79	-12.6129	-10157.5	-3086.76
p1-s1	SLU-104	Max M2	-18241.1	-298.002	-1144.53	-14.1183	-8604.92	-3087.78
p1-s1	SLU-104	Min M2	-16692	-299.308	-1143.53	-10.207	-15367.9	-3101.49
p1-s1	SLU-104	Max M3	-17676.5	-280.111	-1145.05	-11.1765	-11937.9	-2899.92
p1-s1	SLU-104	Min M3	-17809.8	-316.474	-1145.55	-15.1791	-11835.3	-3281.73
p1-s1	SLU-105	Max P	-16440.8	-364.655	1126.471	12.7135	13796.36	-3758.53
p1-s1	SLU-105	Min P	-19414	-371.555	1134.04	13.1004	9765.137	-3830.98
p1-s1	SLU-105	Max M2	-17218	-367.864	1130.603	10.6987	15169.94	-3792.23
p1-s1	SLU-105	Min M2	-18755.9	-370.707	1132.154	14.4218	8411.43	-3822.07
p1-s1	SLU-105	Max M3	-18179.3	-354.677	1132.701	11.5569	11894.24	-3653.76
p1-s1	SLU-105	Min M3	-18343.4	-385.877	1133.157	15.4069	11425.2	-3981.36
p1-s1	SLU-106	Max P	-16485.1	-364.635	1135.333	10.4341	13907.86	-3758.32
p1-s1	SLU-106	Min P	-19463.1	-368.286	1128.121	9.9522	17667.97	-3796.65
p1-s1	SLU-106	Max M2	-18826.5	-368.383	1130.378	8.4469	19220.53	-3797.67
p1-s1	SLU-106	Min M2	-17277.5	-369.689	1131.375	12.3582	12457.52	-3811.38
p1-s1	SLU-106	Max M3	-18262	-350.492	1129.863	11.3886	15887.55	-3609.81
p1-s1	SLU-106	Min M3	-18395.3	-386.855	1129.355	7.3861	15990.12	-3991.62
p1-s1	SLU-107	Max P	-16431.1	-294.064	-1148.36	-9.7925	-14154.1	-3046.43
p1-s1	SLU-107	Min P	-19404.3	-300.965	-1140.79	-9.4056	-18185.3	-3118.88
p1-s1	SLU-107	Max M2	-17208.2	-297.273	-1144.23	-11.8073	-12780.5	-3080.13
p1-s1	SLU-107	Min M2	-18746.2	-300.116	-1142.68	-8.0841	-19539	-3109.97
p1-s1	SLU-107	Max M3	-18169.5	-284.086	-1142.13	-10.9491	-16056.2	-2941.66
p1-s1	SLU-107	Min M3	-18333.7	-315.286	-1141.68	-7.0991	-16525.3	-3269.26
p1-s1	SLU-108	Max P	-16475.3	-294.044	-1139.5	-12.0719	-14042.6	-3046.22
p1-s1	SLU-108	Min P	-19453.3	-297.695	-1146.71	-12.5538	-10282.5	-3084.55
p1-s1	SLU-108	Max M2	-18816.8	-297.792	-1144.45	-14.0591	-8729.95	-3085.57
p1-s1	SLU-108	Min M2	-17267.7	-299.098	-1143.46	-10.1478	-15493	-3099.28
p1-s1	SLU-108	Max M3	-18252.3	-279.901	-1144.97	-11.1174	-12062.9	-2897.71
p1-s1	SLU-108	Min M3	-18385.5	-316.264	-1145.48	-15.1199	-11960.4	-3279.52
p1-s1	SLU-109	Max P	-16086.2	-362.137	1126.49	12.6205	13947.49	-3732.09
p1-s1	SLU-109	Min P	-19059.5	-369.037	1134.059	13.0074	9916.268	-3804.54
p1-s1	SLU-109	Max M2	-16863.4	-365.346	1130.622	10.6056	15321.07	-3765.78
p1-s1	SLU-109	Min M2	-18401.4	-368.189	1132.173	14.3288	8562.56	-3795.63
p1-s1	SLU-109	Max M3	-17824.7	-352.159	1132.72	11.4638	12045.37	-3627.31
p1-s1	SLU-109	Min M3	-17988.9	-383.359	1133.176	15.3139	11576.33	-3954.92

p1-s1	SLU-110	Max P	-16130.5	-362.117	1135.352	10.341	14058.99	-3731.87
p1-s1	SLU-110	Min P	-19108.5	-365.767	1128.139	9.8591	17819.1	-3770.2
p1-s1	SLU-110	Max M2	-18472	-365.864	1130.397	8.3538	19371.66	-3771.22
p1-s1	SLU-110	Min M2	-16922.9	-367.17	1131.394	12.2651	12608.65	-3784.94
p1-s1	SLU-110	Max M3	-17907.5	-347.973	1129.882	11.2955	16038.69	-3583.37
p1-s1	SLU-110	Min M3	-18040.7	-384.336	1129.374	7.293	16141.25	-3965.18
p1-s1	SLU-111	Max P	-16076.5	-291.546	-1148.34	-9.8855	-14003	-3019.99
p1-s1	SLU-111	Min P	-19049.7	-298.446	-1140.77	-9.4986	-18034.2	-3092.44
p1-s1	SLU-111	Max M2	-16853.7	-294.755	-1144.21	-11.9003	-12629.4	-3053.68
p1-s1	SLU-111	Min M2	-18391.6	-297.598	-1142.66	-8.1772	-19387.9	-3083.53
p1-s1	SLU-111	Max M3	-17815	-281.568	-1142.11	-11.0422	-15905.1	-2915.21
p1-s1	SLU-111	Min M3	-17979.1	-312.768	-1141.66	-7.1921	-16374.1	-3242.82
p1-s1	SLU-112	Max P	-16120.7	-291.526	-1139.48	-12.165	-13891.5	-3019.78
p1-s1	SLU-112	Min P	-19098.8	-295.176	-1146.69	-12.6468	-10131.4	-3058.1
p1-s1	SLU-112	Max M2	-18462.2	-295.273	-1144.44	-14.1522	-8578.81	-3059.12
p1-s1	SLU-112	Min M2	-16913.1	-296.579	-1143.44	-10.2409	-15341.8	-3072.84
p1-s1	SLU-112	Max M3	-17897.7	-277.382	-1144.95	-11.2104	-11911.8	-2871.27
p1-s1	SLU-112	Min M3	-18031	-313.745	-1145.46	-15.213	-11809.2	-3253.08
p1-s1	SLU-113	Max P	-16143.7	-576.83	667.186	8.356	8162.891	-5955
p1-s1	SLU-113	Min P	-19116.9	-583.731	674.755	8.7429	4131.667	-6027.45
p1-s1	SLU-113	Max M2	-16920.9	-580.039	671.317	6.3412	9536.474	-5988.7
p1-s1	SLU-113	Min M2	-18458.8	-582.882	672.869	10.0644	2777.96	-6018.54
p1-s1	SLU-113	Max M3	-17882.2	-566.852	673.416	7.1994	6260.771	-5850.23
p1-s1	SLU-113	Min M3	-18046.3	-598.052	673.872	11.0494	5791.729	-6177.83
p1-s1	SLU-114	Max P	-16188	-576.81	676.048	6.0766	8274.386	-5954.79
p1-s1	SLU-114	Min P	-19166	-580.461	668.835	5.5947	12034.5	-5993.12
p1-s1	SLU-114	Max M2	-18529.4	-580.558	671.093	4.0894	13587.06	-5994.14
p1-s1	SLU-114	Min M2	-16980.4	-581.864	672.09	8.0007	6824.051	-6007.85
p1-s1	SLU-114	Max M3	-17964.9	-562.667	670.578	7.0311	10254.08	-5806.28
p1-s1	SLU-114	Min M3	-18098.2	-599.03	670.07	3.0286	10356.65	-6188.09
p1-s1	SLU-115	Max P	-16137.9	-534.476	-697.713	-5.1476	-8607.4	-5527.74
p1-s1	SLU-115	Min P	-19111.1	-541.376	-690.145	-4.7606	-12638.6	-5600.19
p1-s1	SLU-115	Max M2	-16915.1	-537.685	-693.582	-7.1624	-7233.81	-5561.44
p1-s1	SLU-115	Min M2	-18453	-540.528	-692.03	-3.4392	-13992.3	-5591.28
p1-s1	SLU-115	Max M3	-17876.3	-524.498	-691.484	-6.3042	-10509.5	-5422.97
p1-s1	SLU-115	Min M3	-18040.5	-555.698	-691.028	-2.4542	-10978.6	-5750.57
p1-s1	SLU-116	Max P	-16182.1	-534.456	-688.851	-7.427	-8495.9	-5527.53
p1-s1	SLU-116	Min P	-19160.1	-538.106	-696.064	-7.9089	-4735.79	-5565.86
p1-s1	SLU-116	Max M2	-18523.6	-538.203	-693.806	-9.4142	-3183.22	-5566.88
p1-s1	SLU-116	Min M2	-16974.5	-539.509	-692.81	-5.5029	-9946.24	-5580.59
p1-s1	SLU-116	Max M3	-17959.1	-520.312	-694.322	-6.4725	-6516.2	-5379.02
p1-s1	SLU-116	Min M3	-18092.3	-556.675	-694.829	-10.475	-6413.63	-5760.83
p1-s1	SLU-117	Max P	-15789.1	-574.312	667.205	8.263	8314.022	-5928.56
p1-s1	SLU-117	Min P	-18762.4	-581.212	674.774	8.6499	4282.798	-6001.01
p1-s1	SLU-117	Max M2	-16566.3	-577.521	671.336	6.2482	9687.604	-5962.25
p1-s1	SLU-117	Min M2	-18104.3	-580.364	672.888	9.9713	2929.091	-5992.1
p1-s1	SLU-117	Max M3	-17527.6	-564.334	673.434	7.1063	6411.902	-5823.78
p1-s1	SLU-117	Min M3	-17691.8	-595.534	673.891	10.9564	5942.86	-6151.39
p1-s1	SLU-118	Max P	-15833.4	-574.292	676.067	5.9835	8425.517	-5928.34
p1-s1	SLU-118	Min P	-18811.4	-577.942	668.854	5.5016	12185.63	-5966.67
p1-s1	SLU-118	Max M2	-18174.9	-578.039	671.112	3.9963	13738.19	-5967.69

p1-s1	SLU-118	Min M2	-16625.8	-579.345	672.109	7.9076	6975.181	-5981.41
p1-s1	SLU-118	Max M3	-17610.4	-560.148	670.597	6.938	10405.22	-5779.84
p1-s1	SLU-118	Min M3	-17743.6	-596.511	670.089	2.9355	10507.78	-6161.65
p1-s1	SLU-119	Max P	-15783.3	-531.957	-697.694	-5.2406	-8456.27	-5501.3
p1-s1	SLU-119	Min P	-18756.5	-538.858	-690.126	-4.8537	-12487.5	-5573.75
p1-s1	SLU-119	Max M2	-16560.5	-535.166	-693.563	-7.2554	-7082.68	-5534.99
p1-s1	SLU-119	Min M2	-18098.4	-538.009	-692.011	-3.5323	-13841.2	-5564.84
p1-s1	SLU-119	Max M3	-17521.8	-521.979	-691.465	-6.3973	-10358.4	-5396.52
p1-s1	SLU-119	Min M3	-17685.9	-553.179	-691.009	-2.5472	-10827.4	-5724.13
p1-s1	SLU-120	Max P	-15827.6	-531.937	-688.832	-7.5201	-8344.77	-5501.09
p1-s1	SLU-120	Min P	-18805.6	-535.588	-696.045	-8.0019	-4584.66	-5539.41
p1-s1	SLU-120	Max M2	-18169	-535.685	-693.787	-9.5073	-3032.09	-5540.43
p1-s1	SLU-120	Min M2	-16619.9	-536.991	-692.791	-5.596	-9795.11	-5554.15
p1-s1	SLU-120	Max M3	-17604.5	-517.794	-694.303	-6.5655	-6365.07	-5352.58
p1-s1	SLU-120	Min M3	-17737.8	-554.157	-694.81	-10.5681	-6262.5	-5734.39
p1-s1	SLU-121	Max P	-16512.3	-572.282	667.344	8.2995	8206.406	-5907.24
p1-s1	SLU-121	Min P	-19485.5	-579.183	674.913	8.6864	4175.182	-5979.7
p1-s1	SLU-121	Max M2	-17289.5	-575.491	671.475	6.2847	9579.989	-5940.94
p1-s1	SLU-121	Min M2	-18827.4	-578.334	673.027	10.0079	2821.475	-5970.79
p1-s1	SLU-121	Max M3	-18250.8	-562.304	673.573	7.1429	6304.286	-5802.47
p1-s1	SLU-121	Min M3	-18414.9	-593.504	674.03	10.9929	5835.244	-6130.08
p1-s1	SLU-122	Max P	-16556.6	-572.262	676.206	6.0201	8317.901	-5907.03
p1-s1	SLU-122	Min P	-19534.6	-575.913	668.993	5.5382	12078.01	-5945.36
p1-s1	SLU-122	Max M2	-18898	-576.01	671.251	4.0329	13630.58	-5946.38
p1-s1	SLU-122	Min M2	-17349	-577.316	672.248	7.9442	6867.566	-5960.1
p1-s1	SLU-122	Max M3	-18333.5	-558.119	670.736	6.9746	10297.6	-5758.53
p1-s1	SLU-122	Min M3	-18466.8	-594.482	670.228	2.9721	10400.17	-6140.34
p1-s1	SLU-123	Max P	-16506.5	-529.928	-697.555	-5.2041	-8563.88	-5479.98
p1-s1	SLU-123	Min P	-19479.7	-536.828	-689.987	-4.8172	-12595.1	-5552.44
p1-s1	SLU-123	Max M2	-17283.6	-533.137	-693.424	-7.2189	-7190.3	-5513.68
p1-s1	SLU-123	Min M2	-18821.6	-535.979	-691.872	-3.4957	-13948.8	-5543.53
p1-s1	SLU-123	Max M3	-18244.9	-519.949	-691.326	-6.3607	-10466	-5375.21
p1-s1	SLU-123	Min M3	-18409.1	-551.15	-690.87	-2.5107	-10935	-5702.82
p1-s1	SLU-124	Max P	-16550.7	-529.907	-688.693	-7.4835	-8452.39	-5479.77
p1-s1	SLU-124	Min P	-19528.7	-533.558	-695.906	-7.9654	-4692.27	-5518.1
p1-s1	SLU-124	Max M2	-18892.2	-533.655	-693.648	-9.4707	-3139.71	-5519.12
p1-s1	SLU-124	Min M2	-17343.1	-534.961	-692.652	-5.5594	-9902.72	-5532.84
p1-s1	SLU-124	Max M3	-18327.7	-515.764	-694.164	-6.529	-6472.69	-5331.27
p1-s1	SLU-124	Min M3	-18460.9	-552.127	-694.671	-10.5315	-6370.12	-5713.08
p1-s1	SLU-125	Max P	-16157.7	-569.764	667.363	8.2065	8357.537	-5880.8
p1-s1	SLU-125	Min P	-19131	-576.664	674.932	8.5934	4326.313	-5953.25
p1-s1	SLU-125	Max M2	-16934.9	-572.973	671.494	6.1916	9731.119	-5914.5
p1-s1	SLU-125	Min M2	-18472.8	-575.816	673.046	9.9148	2972.605	-5944.34
p1-s1	SLU-125	Max M3	-17896.2	-559.786	673.592	7.0498	6455.417	-5776.03
p1-s1	SLU-125	Min M3	-18060.4	-590.986	674.049	10.8999	5986.375	-6103.63
p1-s1	SLU-126	Max P	-16202	-569.744	676.225	5.927	8469.032	-5880.59
p1-s1	SLU-126	Min P	-19180	-573.394	669.012	5.4451	12229.15	-5918.92
p1-s1	SLU-126	Max M2	-18543.5	-573.491	671.27	3.9398	13781.71	-5919.94
p1-s1	SLU-126	Min M2	-16994.4	-574.797	672.267	7.8511	7018.696	-5933.65
p1-s1	SLU-126	Max M3	-17979	-555.6	670.754	6.8815	10448.73	-5732.08
p1-s1	SLU-126	Min M3	-18112.2	-591.963	670.247	2.879	10551.3	-6113.89

p1-s1	SLU-127	Max P	-16151.9	-527.409	-697.536	-5.2971	-8412.75	-5453.54
p1-s1	SLU-127	Min P	-19125.1	-534.31	-689.968	-4.9102	-12444	-5525.99
p1-s1	SLU-127	Max M2	-16929.1	-530.618	-693.405	-7.3119	-7039.17	-5487.24
p1-s1	SLU-127	Min M2	-18467	-533.461	-691.853	-3.5888	-13797.7	-5517.08
p1-s1	SLU-127	Max M3	-17890.4	-517.431	-691.307	-6.4538	-10314.9	-5348.77
p1-s1	SLU-127	Min M3	-18054.5	-548.631	-690.851	-2.6037	-10783.9	-5676.37
p1-s1	SLU-128	Max P	-16196.1	-527.389	-688.674	-7.5766	-8301.26	-5453.33
p1-s1	SLU-128	Min P	-19174.2	-531.04	-695.887	-8.0585	-4541.14	-5491.66
p1-s1	SLU-128	Max M2	-18537.6	-531.137	-693.629	-9.5638	-2988.58	-5492.68
p1-s1	SLU-128	Min M2	-16988.5	-532.443	-692.633	-5.6525	-9751.59	-5506.39
p1-s1	SLU-128	Max M3	-17973.1	-513.246	-694.145	-6.622	-6321.56	-5304.82
p1-s1	SLU-128	Min M3	-18106.4	-549.609	-694.652	-10.6246	-6218.99	-5686.63
p1-s1	SLU-129	Max P	-15980.5	325.048	680.057	8.7621	8332.07	3365.959
p1-s1	SLU-129	Min P	-21793.8	311.365	694.658	10.3761	699.3532	3222.298
p1-s1	SLU-129	Max M2	-17547.9	319.471	688.09	4.5482	11233.44	3307.408
p1-s1	SLU-129	Min M2	-20385.1	313.795	689.619	13.6656	-2175.52	3247.805
p1-s1	SLU-129	Max M3	-19106.9	344.223	690.065	7.0017	4845.893	3567.301
p1-s1	SLU-129	Min M3	-19557.9	286.398	691.778	13.6697	3862.785	2960.145
p1-s1	SLU-130	Max P	-16059.7	325.134	696.512	4.7419	8539.808	3366.867
p1-s1	SLU-130	Min P	-21910.2	317.093	683.021	2.738	15755	3282.441
p1-s1	SLU-130	Max M2	-20559	319.298	688.363	-0.7148	18928.53	3305.59
p1-s1	SLU-130	Min M2	-17618.7	316.062	688.902	8.7531	5502.581	3271.611
p1-s1	SLU-130	Max M3	-19272.8	351.556	687.907	6.1267	12238.33	3644.303
p1-s1	SLU-130	Min M3	-19642.7	284.77	685.977	-0.7956	12458.94	2943.047
p1-s1	SLU-131	Max P	-15974.7	367.402	-684.842	-4.7415	-8438.22	3793.218
p1-s1	SLU-131	Min P	-21787.9	353.72	-670.241	-3.1274	-16070.9	3649.557
p1-s1	SLU-131	Max M2	-17542	361.826	-676.81	-8.9554	-5536.84	3734.667
p1-s1	SLU-131	Min M2	-20379.3	356.149	-675.28	0.162	-18945.8	3675.064
p1-s1	SLU-131	Max M3	-19101.1	386.577	-674.834	-6.5019	-11924.4	3994.56
p1-s1	SLU-131	Min M3	-19552	328.753	-673.121	0.1661	-12907.5	3387.404
p1-s1	SLU-132	Max P	-16053.9	367.489	-668.388	-8.7617	-8230.48	3794.126
p1-s1	SLU-132	Min P	-21904.3	359.448	-681.879	-10.7656	-1015.29	3709.701
p1-s1	SLU-132	Max M2	-20553.2	361.652	-676.537	-14.2184	2158.239	3732.849
p1-s1	SLU-132	Min M2	-17612.9	358.417	-675.998	-4.7505	-11267.7	3698.87
p1-s1	SLU-132	Max M3	-19267	393.911	-676.992	-7.3769	-4531.95	4071.562
p1-s1	SLU-132	Min M3	-19636.8	327.125	-678.922	-14.2992	-4311.35	3370.306
p1-s1	SLU-133	Max P	-15625.9	327.566	680.076	8.6691	8483.2	3392.402
p1-s1	SLU-133	Min P	-21439.2	313.884	694.677	10.2831	850.4836	3248.741
p1-s1	SLU-133	Max M2	-17193.3	321.99	688.109	4.4552	11384.57	3333.851
p1-s1	SLU-133	Min M2	-20030.6	316.313	689.638	13.5725	-2024.39	3274.248
p1-s1	SLU-133	Max M3	-18752.4	346.741	690.084	6.9087	4997.024	3593.744
p1-s1	SLU-133	Min M3	-19203.3	288.917	691.797	13.5766	4013.916	2986.588
p1-s1	SLU-134	Max P	-15705.2	327.652	696.531	4.6488	8690.938	3393.31
p1-s1	SLU-134	Min P	-21555.6	319.611	683.039	2.6449	15906.13	3308.884
p1-s1	SLU-134	Max M2	-20204.4	321.816	688.382	-0.8079	19079.66	3332.033
p1-s1	SLU-134	Min M2	-17264.2	318.58	688.921	8.66	5653.711	3298.054
p1-s1	SLU-134	Max M3	-18918.2	354.075	687.926	6.0336	12389.47	3670.746
p1-s1	SLU-134	Min M3	-19288.1	287.288	685.996	-0.8887	12610.07	2969.49
p1-s1	SLU-135	Max P	-15620.1	369.921	-684.824	-4.8345	-8287.09	3819.661
p1-s1	SLU-135	Min P	-21433.4	356.238	-670.223	-3.2205	-15919.8	3676
p1-s1	SLU-135	Max M2	-17187.5	364.344	-676.791	-9.0484	-5385.71	3761.11

p1-s1	SLU-135	Min M2	-20024.7	358.667	-675.261	0.0689	-18794.7	3701.507
p1-s1	SLU-135	Max M3	-18746.5	389.096	-674.815	-6.5949	-11773.3	4021.003
p1-s1	SLU-135	Min M3	-19197.5	331.271	-673.102	0.0731	-12756.4	3413.847
p1-s1	SLU-136	Max P	-15699.3	370.007	-668.369	-8.8548	-8079.35	3820.569
p1-s1	SLU-136	Min P	-21549.8	361.966	-681.86	-10.8587	-864.161	3736.144
p1-s1	SLU-136	Max M2	-20198.6	364.171	-676.518	-14.3115	2309.369	3759.292
p1-s1	SLU-136	Min M2	-17258.3	360.935	-675.979	-4.8435	-11116.6	3725.313
p1-s1	SLU-136	Max M3	-18912.4	396.429	-676.973	-7.47	-4380.82	4098.005
p1-s1	SLU-136	Min M3	-19282.3	329.643	-678.903	-14.3923	-4160.22	3396.749
p1-s1	SLU-137	Max P	-16201.7	327.776	680.151	8.7282	8358.179	3394.612
p1-s1	SLU-137	Min P	-22014.9	314.094	694.753	10.3422	725.4622	3250.951
p1-s1	SLU-137	Max M2	-17769.1	322.2	688.184	4.5143	11259.55	3336.061
p1-s1	SLU-137	Min M2	-20606.3	316.523	689.714	13.6317	-2149.41	3276.458
p1-s1	SLU-137	Max M3	-19328.1	346.952	690.16	6.9678	4872.002	3595.954
p1-s1	SLU-137	Min M3	-19779	289.127	691.873	13.6358	3888.894	2988.798
p1-s1	SLU-138	Max P	-16280.9	327.863	696.606	4.708	8565.916	3395.52
p1-s1	SLU-138	Min P	-22131.4	319.822	683.115	2.7041	15781.1	3311.094
p1-s1	SLU-138	Max M2	-20780.2	322.027	688.457	-0.7487	18954.63	3334.243
p1-s1	SLU-138	Min M2	-17839.9	318.791	688.996	8.7192	5528.69	3300.264
p1-s1	SLU-138	Max M3	-19494	354.285	688.002	6.0928	12264.44	3672.956
p1-s1	SLU-138	Min M3	-19863.8	287.499	686.072	-0.8295	12485.05	2971.7
p1-s1	SLU-139	Max P	-16195.8	370.131	-684.748	-4.7754	-8412.11	3821.871
p1-s1	SLU-139	Min P	-22009.1	356.449	-670.147	-3.1613	-16044.8	3678.21
p1-s1	SLU-139	Max M2	-17763.2	364.555	-676.715	-8.9893	-5510.73	3763.32
p1-s1	SLU-139	Min M2	-20600.4	358.878	-675.185	0.1281	-18919.7	3703.717
p1-s1	SLU-139	Max M3	-19322.2	389.306	-674.739	-6.5358	-11898.3	4023.213
p1-s1	SLU-139	Min M3	-19773.2	331.482	-673.027	0.1322	-12881.4	3416.057
p1-s1	SLU-140	Max P	-16275.1	370.217	-668.293	-8.7956	-8204.37	3822.779
p1-s1	SLU-140	Min P	-22125.5	362.176	-681.784	-10.7995	-989.182	3738.354
p1-s1	SLU-140	Max M2	-20774.3	364.381	-676.442	-14.2523	2184.348	3761.502
p1-s1	SLU-140	Min M2	-17834	361.145	-675.903	-4.7844	-11241.6	3727.523
p1-s1	SLU-140	Max M3	-19488.1	396.64	-676.897	-7.4108	-4505.84	4100.215
p1-s1	SLU-140	Min M3	-19858	329.853	-678.827	-14.3331	-4285.24	3398.959
p1-s1	SLU-141	Max P	-15847.1	330.295	680.17	8.6352	8509.309	3421.055
p1-s1	SLU-141	Min P	-21660.4	316.612	694.771	10.2492	876.5926	3277.394
p1-s1	SLU-141	Max M2	-17414.5	324.718	688.203	4.4213	11410.68	3362.504
p1-s1	SLU-141	Min M2	-20251.7	319.042	689.733	13.5386	-1998.28	3302.9
p1-s1	SLU-141	Max M3	-18973.5	349.47	690.179	6.8748	5023.133	3622.397
p1-s1	SLU-141	Min M3	-19424.5	291.646	691.892	13.5427	4040.025	3015.241
p1-s1	SLU-142	Max P	-15926.3	330.381	696.625	4.6149	8717.047	3421.962
p1-s1	SLU-142	Min P	-21776.8	322.34	683.134	2.611	15932.23	3337.537
p1-s1	SLU-142	Max M2	-20425.6	324.545	688.476	-0.8418	19105.77	3360.686
p1-s1	SLU-142	Min M2	-17485.3	321.309	689.015	8.6261	5679.82	3326.707
p1-s1	SLU-142	Max M3	-19139.4	356.804	688.021	5.9997	12415.57	3699.399
p1-s1	SLU-142	Min M3	-19509.3	290.017	686.091	-0.9226	12636.18	2998.143
p1-s1	SLU-143	Max P	-15841.2	372.649	-684.729	-4.8684	-8260.98	3848.314
p1-s1	SLU-143	Min P	-21654.5	358.967	-670.128	-3.2544	-15893.7	3704.653
p1-s1	SLU-143	Max M2	-17408.6	367.073	-676.696	-9.0823	-5359.6	3789.763
p1-s1	SLU-143	Min M2	-20245.9	361.396	-675.166	0.035	-18768.6	3730.16
p1-s1	SLU-143	Max M3	-18967.7	391.825	-674.72	-6.6288	-11747.2	4049.656
p1-s1	SLU-143	Min M3	-19418.6	334	-673.008	0.0392	-12730.3	3442.5

p1-s1	SLU-144	Max P	-15920.5	372.736	-668.274	-8.8887	-8053.24	3849.222
p1-s1	SLU-144	Min P	-21770.9	364.695	-681.765	-10.8926	-838.052	3764.796
p1-s1	SLU-144	Max M2	-20419.8	366.9	-676.423	-14.3454	2335.478	3787.945
p1-s1	SLU-144	Min M2	-17479.5	363.664	-675.884	-4.8775	-11090.5	3753.966
p1-s1	SLU-144	Max M3	-19133.5	399.158	-676.878	-7.5039	-4354.71	4126.658
p1-s1	SLU-144	Min M3	-19503.4	332.372	-678.808	-14.4262	-4134.11	3425.402
p1-s1	SLU-145	Max P	-11836	324.782	680.053	8.7799	8333.094	3363.166
p1-s1	SLU-145	Min P	-17649.2	311.099	694.654	10.3939	700.3778	3219.505
p1-s1	SLU-145	Max M2	-13403.3	319.206	688.086	4.5659	11234.47	3304.615
p1-s1	SLU-145	Min M2	-16240.6	313.529	689.616	13.6833	-2174.5	3245.012
p1-s1	SLU-145	Max M3	-14962.4	343.957	690.062	7.0194	4846.918	3564.508
p1-s1	SLU-145	Min M3	-15413.3	286.133	691.774	13.6874	3863.81	2957.352
p1-s1	SLU-146	Max P	-11915.2	324.868	696.508	4.7596	8540.832	3364.074
p1-s1	SLU-146	Min P	-17765.6	316.827	683.017	2.7557	15756.02	3279.649
p1-s1	SLU-146	Max M2	-16414.5	319.032	688.359	-0.6971	18929.55	3302.797
p1-s1	SLU-146	Min M2	-13474.2	315.796	688.898	8.7708	5503.605	3268.818
p1-s1	SLU-146	Max M3	-15128.3	351.291	687.904	6.1444	12239.36	3641.51
p1-s1	SLU-146	Min M3	-15498.1	284.504	685.974	-0.7779	12459.96	2940.254
p1-s1	SLU-147	Max P	-11830.1	367.137	-684.846	-4.7237	-8437.19	3790.425
p1-s1	SLU-147	Min P	-17643.4	353.454	-670.245	-3.1097	-16069.9	3646.764
p1-s1	SLU-147	Max M2	-13397.5	361.56	-676.813	-8.9376	-5535.82	3731.874
p1-s1	SLU-147	Min M2	-16234.7	355.883	-675.284	0.1797	-18944.8	3672.271
p1-s1	SLU-147	Max M3	-14956.5	386.312	-674.837	-6.4841	-11923.4	3991.767
p1-s1	SLU-147	Min M3	-15407.5	328.487	-673.125	0.1839	-12906.5	3384.612
p1-s1	SLU-148	Max P	-11909.3	367.223	-668.391	-8.744	-8229.45	3791.333
p1-s1	SLU-148	Min P	-17759.8	359.182	-681.882	-10.7479	-1014.27	3706.908
p1-s1	SLU-148	Max M2	-16408.6	361.387	-676.54	-14.2007	2159.264	3730.056
p1-s1	SLU-148	Min M2	-13468.3	358.151	-676.001	-4.7328	-11266.7	3696.077
p1-s1	SLU-148	Max M3	-15122.4	393.645	-676.995	-7.3592	-4530.93	4068.769
p1-s1	SLU-148	Min M3	-15492.3	326.859	-678.926	-14.2815	-4310.33	3367.513
p1-s1	SLU-149	Max P	-11481.4	327.3	680.072	8.6868	8484.225	3389.609
p1-s1	SLU-149	Min P	-17294.7	313.618	694.673	10.3008	851.5082	3245.948
p1-s1	SLU-149	Max M2	-13048.8	321.724	688.105	4.4729	11385.6	3331.058
p1-s1	SLU-149	Min M2	-15886	316.047	689.635	13.5902	-2023.36	3271.455
p1-s1	SLU-149	Max M3	-14607.8	346.476	690.081	6.9264	4998.048	3590.951
p1-s1	SLU-149	Min M3	-15058.8	288.651	691.793	13.5944	4014.94	2983.795
p1-s1	SLU-150	Max P	-11560.6	327.387	696.527	4.6665	8691.963	3390.517
p1-s1	SLU-150	Min P	-17411.1	319.346	683.036	2.6627	15907.15	3306.092
p1-s1	SLU-150	Max M2	-16059.9	321.551	688.378	-0.7902	19080.68	3329.24
p1-s1	SLU-150	Min M2	-13119.6	318.315	688.917	8.6778	5654.736	3295.261
p1-s1	SLU-150	Max M3	-14773.7	353.809	687.923	6.0513	12390.49	3667.953
p1-s1	SLU-150	Min M3	-15143.6	287.023	685.993	-0.8709	12611.09	2966.697
p1-s1	SLU-151	Max P	-11475.5	369.655	-684.827	-4.8168	-8286.06	3816.868
p1-s1	SLU-151	Min P	-17288.8	355.972	-670.226	-3.2028	-15918.8	3673.207
p1-s1	SLU-151	Max M2	-13042.9	364.079	-676.794	-9.0307	-5384.69	3758.317
p1-s1	SLU-151	Min M2	-15880.2	358.402	-675.265	0.0867	-18793.7	3698.714
p1-s1	SLU-151	Max M3	-14601.9	388.83	-674.818	-6.5772	-11772.2	4018.21
p1-s1	SLU-151	Min M3	-15052.9	331.006	-673.106	0.0908	-12755.3	3411.055
p1-s1	SLU-152	Max P	-11554.8	369.741	-668.372	-8.837	-8078.32	3817.776
p1-s1	SLU-152	Min P	-17405.2	361.7	-681.863	-10.8409	-863.136	3733.351
p1-s1	SLU-152	Max M2	-16054	363.905	-676.521	-14.2937	2310.394	3756.499

p1-s1	SLU-152	Min M2	-13113.8	360.669	-675.982	-4.8258	-11115.6	3722.52
p1-s1	SLU-152	Max M3	-14767.8	396.164	-676.976	-7.4522	-4379.8	4095.212
p1-s1	SLU-152	Min M3	-15137.7	329.377	-678.907	-14.3745	-4159.2	3393.956
p1-s1	SLU-153	Max P	-12057.1	327.511	680.148	8.746	8359.203	3391.819
p1-s1	SLU-153	Min P	-17870.4	313.828	694.749	10.36	726.4867	3248.158
p1-s1	SLU-153	Max M2	-13624.5	321.934	688.181	4.532	11260.58	3333.268
p1-s1	SLU-153	Min M2	-16461.7	316.258	689.71	13.6494	-2148.39	3273.665
p1-s1	SLU-153	Max M3	-15183.5	346.686	690.157	6.9855	4873.027	3593.161
p1-s1	SLU-153	Min M3	-15634.5	288.862	691.869	13.6535	3889.919	2986.005
p1-s1	SLU-154	Max P	-12136.4	327.597	696.603	4.7257	8566.941	3392.727
p1-s1	SLU-154	Min P	-17986.8	319.556	683.112	2.7218	15782.13	3308.302
p1-s1	SLU-154	Max M2	-16635.6	321.761	688.454	-0.731	18955.66	3331.45
p1-s1	SLU-154	Min M2	-13695.3	318.525	688.993	8.7369	5529.714	3297.471
p1-s1	SLU-154	Max M3	-15349.4	354.019	687.999	6.1105	12265.47	3670.163
p1-s1	SLU-154	Min M3	-15719.3	287.233	686.068	-0.8118	12486.07	2968.907
p1-s1	SLU-155	Max P	-12051.3	369.865	-684.751	-4.7576	-8411.08	3819.078
p1-s1	SLU-155	Min P	-17864.5	356.183	-670.15	-3.1436	-16043.8	3675.417
p1-s1	SLU-155	Max M2	-13618.7	364.289	-676.718	-8.9715	-5509.71	3760.527
p1-s1	SLU-155	Min M2	-16455.9	358.612	-675.189	0.1458	-18918.7	3700.924
p1-s1	SLU-155	Max M3	-15177.7	389.041	-674.743	-6.518	-11897.3	4020.42
p1-s1	SLU-155	Min M3	-15628.6	331.216	-673.03	0.15	-12880.4	3413.265
p1-s1	SLU-156	Max P	-12130.5	369.952	-668.296	-8.7779	-8203.35	3819.986
p1-s1	SLU-156	Min P	-17981	361.911	-681.787	-10.7818	-988.158	3735.561
p1-s1	SLU-156	Max M2	-16629.8	364.116	-676.445	-14.2346	2185.373	3758.709
p1-s1	SLU-156	Min M2	-13689.5	360.88	-675.906	-4.7667	-11240.6	3724.73
p1-s1	SLU-156	Max M3	-15343.6	396.374	-676.901	-7.3931	-4504.82	4097.422
p1-s1	SLU-156	Min M3	-15713.4	329.588	-678.831	-14.3154	-4284.22	3396.166
p1-s1	SLU-157	Max P	-11702.5	330.029	680.167	8.6529	8510.334	3418.262
p1-s1	SLU-157	Min P	-17515.8	316.347	694.768	10.2669	877.6172	3274.601
p1-s1	SLU-157	Max M2	-13269.9	324.453	688.2	4.439	11411.71	3359.711
p1-s1	SLU-157	Min M2	-16107.2	318.776	689.729	13.5563	-1997.26	3300.108
p1-s1	SLU-157	Max M3	-14829	349.204	690.176	6.8925	5024.157	3619.604
p1-s1	SLU-157	Min M3	-15279.9	291.38	691.888	13.5605	4041.049	3012.448
p1-s1	SLU-158	Max P	-11781.8	330.116	696.622	4.6326	8718.072	3419.17
p1-s1	SLU-158	Min P	-17632.2	322.075	683.131	2.6288	15933.26	3334.745
p1-s1	SLU-158	Max M2	-16281.1	324.279	688.473	-0.8241	19106.79	3357.893
p1-s1	SLU-158	Min M2	-13340.8	321.044	689.012	8.6439	5680.845	3323.914
p1-s1	SLU-158	Max M3	-14994.8	356.538	688.018	6.0174	12416.6	3696.606
p1-s1	SLU-158	Min M3	-15364.7	289.752	686.087	-0.9049	12637.2	2995.35
p1-s1	SLU-159	Max P	-11696.7	372.384	-684.732	-4.8507	-8259.95	3845.521
p1-s1	SLU-159	Min P	-17510	358.701	-670.131	-3.2367	-15892.7	3701.86
p1-s1	SLU-159	Max M2	-13264.1	366.807	-676.699	-9.0646	-5358.58	3786.97
p1-s1	SLU-159	Min M2	-16101.3	361.131	-675.17	0.0528	-18767.5	3727.367
p1-s1	SLU-159	Max M3	-14823.1	391.559	-674.724	-6.6111	-11746.1	4046.863
p1-s1	SLU-159	Min M3	-15274.1	333.735	-673.011	0.0569	-12729.2	3439.708
p1-s1	SLU-160	Max P	-11775.9	372.47	-668.277	-8.8709	-8052.22	3846.429
p1-s1	SLU-160	Min P	-17626.4	364.429	-681.769	-10.8748	-837.027	3762.004
p1-s1	SLU-160	Max M2	-16275.2	366.634	-676.426	-14.3276	2336.503	3785.152
p1-s1	SLU-160	Min M2	-13334.9	363.398	-675.887	-4.8597	-11089.4	3751.173
p1-s1	SLU-160	Max M3	-14989	398.892	-676.882	-7.4861	-4353.69	4123.865
p1-s1	SLU-160	Min M3	-15358.9	332.106	-678.812	-14.4084	-4133.09	3422.609

p1-s1	SLU-161	Max P	-16219.7	675.715	667.553	9.899	8130.242	7047.962
p1-s1	SLU-161	Min P	-19192.9	668.814	675.122	10.2859	4099.018	6975.51
p1-s1	SLU-161	Max M2	-16996.9	672.505	671.685	7.8842	9503.824	7014.265
p1-s1	SLU-161	Min M2	-18534.8	669.663	673.236	11.6073	2745.31	6984.418
p1-s1	SLU-161	Max M3	-17958.2	685.693	673.783	8.7424	6228.122	7152.733
p1-s1	SLU-161	Min M3	-18122.3	654.492	674.239	12.5924	5759.08	6825.13
p1-s1	SLU-162	Max P	-16263.9	675.735	676.415	7.6195	8241.737	7048.172
p1-s1	SLU-162	Min P	-19241.9	672.084	669.202	7.1377	12001.85	7009.844
p1-s1	SLU-162	Max M2	-18605.4	671.987	671.46	5.6324	13554.41	7008.823
p1-s1	SLU-162	Min M2	-17056.3	670.681	672.457	9.5436	6791.401	6995.11
p1-s1	SLU-162	Max M3	-18040.9	689.878	670.945	8.5741	10221.44	7196.679
p1-s1	SLU-162	Min M3	-18174.1	653.515	670.437	4.5715	10324	6814.869
p1-s1	SLU-163	Max P	-16213.8	718.069	-697.346	-3.6046	-8640.05	7475.221
p1-s1	SLU-163	Min P	-19187	711.169	-689.777	-3.2177	-12671.3	7402.769
p1-s1	SLU-163	Max M2	-16991	714.86	-693.215	-5.6194	-7266.46	7441.524
p1-s1	SLU-163	Min M2	-18528.9	712.017	-691.663	-1.8963	-14025	7411.677
p1-s1	SLU-163	Max M3	-17952.3	728.047	-691.116	-4.7612	-10542.2	7579.993
p1-s1	SLU-163	Min M3	-18116.5	696.847	-690.66	-0.9112	-11011.2	7252.389
p1-s1	SLU-164	Max P	-16258.1	718.089	-688.484	-5.884	-8528.55	7475.432
p1-s1	SLU-164	Min P	-19236.1	714.439	-695.697	-6.3659	-4768.44	7437.104
p1-s1	SLU-164	Max M2	-18599.6	714.341	-693.439	-7.8712	-3215.87	7436.082
p1-s1	SLU-164	Min M2	-17050.5	713.036	-692.442	-3.9599	-9978.89	7422.369
p1-s1	SLU-164	Max M3	-18035	732.233	-693.954	-4.9295	-6548.85	7623.938
p1-s1	SLU-164	Min M3	-18168.3	695.87	-694.462	-8.932	-6446.28	7242.128
p1-s1	SLU-165	Max P	-15865.1	678.233	667.572	9.8059	8281.372	7074.404
p1-s1	SLU-165	Min P	-18838.3	671.333	675.141	10.1928	4250.148	7001.953
p1-s1	SLU-165	Max M2	-16642.3	675.024	671.704	7.7911	9654.955	7040.708
p1-s1	SLU-165	Min M2	-18180.2	672.181	673.255	11.5143	2896.441	7010.861
p1-s1	SLU-165	Max M3	-17603.6	688.211	673.802	8.6493	6379.252	7179.176
p1-s1	SLU-165	Min M3	-17767.7	657.011	674.258	12.4993	5910.21	6851.573
p1-s1	SLU-166	Max P	-15909.4	678.253	676.434	7.5265	8392.867	7074.615
p1-s1	SLU-166	Min P	-18887.4	674.602	669.221	7.0446	12152.98	7036.287
p1-s1	SLU-166	Max M2	-18250.8	674.505	671.479	5.5393	13705.54	7035.266
p1-s1	SLU-166	Min M2	-16701.8	673.199	672.476	9.4506	6942.531	7021.553
p1-s1	SLU-166	Max M3	-17686.3	692.396	670.964	8.481	10372.57	7223.122
p1-s1	SLU-166	Min M3	-17819.6	656.033	670.456	4.4785	10475.13	6841.312
p1-s1	SLU-167	Max P	-15859.3	720.588	-697.327	-3.6976	-8488.91	7501.664
p1-s1	SLU-167	Min P	-18832.5	713.687	-689.758	-3.3107	-12520.1	7429.212
p1-s1	SLU-167	Max M2	-16636.5	717.378	-693.196	-5.7125	-7115.33	7467.967
p1-s1	SLU-167	Min M2	-18174.4	714.536	-691.644	-1.9893	-13873.8	7438.12
p1-s1	SLU-167	Max M3	-17597.7	730.566	-691.098	-4.8543	-10391	7606.436
p1-s1	SLU-167	Min M3	-17761.9	699.365	-690.641	-1.0042	-10860.1	7278.832
p1-s1	SLU-168	Max P	-15903.5	720.608	-688.465	-5.9771	-8377.42	7501.875
p1-s1	SLU-168	Min P	-18881.5	716.957	-695.678	-6.459	-4617.31	7463.547
p1-s1	SLU-168	Max M2	-18245	716.86	-693.42	-7.9643	-3064.74	7462.525
p1-s1	SLU-168	Min M2	-16695.9	715.554	-692.423	-4.053	-9827.76	7448.812
p1-s1	SLU-168	Max M3	-17680.5	734.751	-693.936	-5.0226	-6397.72	7650.381
p1-s1	SLU-168	Min M3	-17813.7	698.388	-694.443	-9.0251	-6295.15	7268.571
p1-s1	SLU-169	Max P	-16440.8	678.443	667.648	9.8651	8156.351	7076.614
p1-s1	SLU-169	Min P	-19414.1	671.543	675.217	10.252	4125.127	7004.163
p1-s1	SLU-169	Max M2	-17218	675.234	671.779	7.8503	9529.933	7042.918

p1-s1	SLU-169	Min M2	-18755.9	672.391	673.331	11.5734	2771.419	7013.071
p1-s1	SLU-169	Max M3	-18179.3	688.421	673.877	8.7084	6254.231	7181.386
p1-s1	SLU-169	Min M3	-18343.5	657.221	674.334	12.5585	5785.189	6853.783
p1-s1	SLU-170	Max P	-16485.1	678.463	676.51	7.5856	8267.846	7076.825
p1-s1	SLU-170	Min P	-19463.1	674.813	669.297	7.1038	12027.96	7038.497
p1-s1	SLU-170	Max M2	-18826.6	674.716	671.555	5.5984	13580.52	7037.476
p1-s1	SLU-170	Min M2	-17277.5	673.41	672.552	9.5097	6817.51	7023.763
p1-s1	SLU-170	Max M3	-18262	692.607	671.04	8.5402	10247.54	7225.332
p1-s1	SLU-170	Min M3	-18395.3	656.244	670.532	4.5376	10350.11	6843.522
p1-s1	SLU-171	Max P	-16435	720.798	-697.251	-3.6385	-8613.94	7503.874
p1-s1	SLU-171	Min P	-19408.2	713.898	-689.683	-3.2516	-12645.2	7431.422
p1-s1	SLU-171	Max M2	-17212.2	717.589	-693.12	-5.6533	-7240.35	7470.177
p1-s1	SLU-171	Min M2	-18750.1	714.746	-691.568	-1.9302	-13998.9	7440.33
p1-s1	SLU-171	Max M3	-18173.5	730.776	-691.022	-4.7951	-10516.1	7608.645
p1-s1	SLU-171	Min M3	-18337.6	699.576	-690.566	-0.9451	-10985.1	7281.042
p1-s1	SLU-172	Max P	-16479.2	720.818	-688.389	-5.9179	-8502.44	7504.085
p1-s1	SLU-172	Min P	-19457.2	717.167	-695.602	-6.3998	-4742.33	7465.757
p1-s1	SLU-172	Max M2	-18820.7	717.07	-693.344	-7.9051	-3189.76	7464.735
p1-s1	SLU-172	Min M2	-17271.6	715.764	-692.348	-3.9938	-9952.78	7451.022
p1-s1	SLU-172	Max M3	-18256.2	734.961	-693.86	-4.9634	-6522.74	7652.591
p1-s1	SLU-172	Min M3	-18389.4	698.598	-694.367	-8.9659	-6420.18	7270.781
p1-s1	SLU-173	Max P	-16086.3	680.962	667.667	9.772	8307.481	7103.057
p1-s1	SLU-173	Min P	-19059.5	674.061	675.236	10.1589	4276.257	7030.606
p1-s1	SLU-173	Max M2	-16863.5	677.752	671.798	7.7572	9681.064	7069.361
p1-s1	SLU-173	Min M2	-18401.4	674.91	673.35	11.4804	2922.55	7039.514
p1-s1	SLU-173	Max M3	-17824.8	690.94	673.896	8.6154	6405.361	7207.829
p1-s1	SLU-173	Min M3	-17988.9	659.74	674.353	12.4654	5936.319	6880.226
p1-s1	SLU-174	Max P	-16130.5	680.982	676.529	7.4926	8418.976	7103.268
p1-s1	SLU-174	Min P	-19108.5	677.331	669.316	7.0107	12179.09	7064.94
p1-s1	SLU-174	Max M2	-18472	677.234	671.574	5.5054	13731.65	7063.919
p1-s1	SLU-174	Min M2	-16922.9	675.928	672.571	9.4167	6968.64	7050.206
p1-s1	SLU-174	Max M3	-17907.5	695.125	671.058	8.4471	10398.67	7251.775
p1-s1	SLU-174	Min M3	-18040.7	658.762	670.551	4.4446	10501.24	6869.965
p1-s1	SLU-175	Max P	-16080.4	723.316	-697.232	-3.7316	-8462.81	7530.317
p1-s1	SLU-175	Min P	-19053.6	716.416	-689.664	-3.3446	-12494	7457.865
p1-s1	SLU-175	Max M2	-16857.6	720.107	-693.101	-5.7464	-7089.22	7496.62
p1-s1	SLU-175	Min M2	-18395.5	717.264	-691.549	-2.0232	-13847.7	7466.773
p1-s1	SLU-175	Max M3	-17818.9	733.294	-691.003	-4.8882	-10364.9	7635.088
p1-s1	SLU-175	Min M3	-17983	702.094	-690.547	-1.0382	-10834	7307.485
p1-s1	SLU-176	Max P	-16124.7	723.336	-688.37	-6.011	-8351.31	7530.527
p1-s1	SLU-176	Min P	-19102.7	719.686	-695.583	-6.4929	-4591.2	7492.199
p1-s1	SLU-176	Max M2	-18466.1	719.589	-693.325	-7.9982	-3038.63	7491.178
p1-s1	SLU-176	Min M2	-16917.1	718.283	-692.329	-4.0869	-9801.65	7477.465
p1-s1	SLU-176	Max M3	-17901.6	737.48	-693.841	-5.0565	-6371.61	7679.034
p1-s1	SLU-176	Min M3	-18034.9	701.117	-694.348	-9.059	-6269.05	7297.224
p1-s1	SLU-177	Max P	-16221.7	-32.632	700.721	5.6808	8562.229	-389.68
p1-s1	SLU-177	Min P	-19195	-39.533	708.29	6.0678	4531.005	-462.132
p1-s1	SLU-177	Max M2	-16998.9	-35.842	704.853	3.666	9935.812	-423.377
p1-s1	SLU-177	Min M2	-18536.8	-38.684	706.405	7.3892	3177.298	-453.223
p1-s1	SLU-177	Max M3	-17960.2	-22.654	706.951	4.5242	6660.109	-284.908
p1-s1	SLU-177	Min M3	-18124.4	-53.854	707.407	8.3743	6191.067	-612.511

p1-s1	SLU-178	Max P	-16266	-32.612	709.584	3.4014	8673.724	-389.469
p1-s1	SLU-178	Min P	-19244	-36.263	702.371	2.9195	12433.84	-427.797
p1-s1	SLU-178	Max M2	-18607.5	-36.36	704.629	1.4142	13986.4	-428.818
p1-s1	SLU-178	Min M2	-17058.4	-37.666	705.625	5.3255	7223.389	-442.532
p1-s1	SLU-178	Max M3	-18042.9	-18.469	704.113	4.3559	10653.42	-240.962
p1-s1	SLU-178	Min M3	-18176.2	-54.832	703.606	0.3534	10755.99	-622.773
p1-s1	SLU-179	Max P	-16215.9	9.722	-664.178	-7.8227	-8208.06	37.5793
p1-s1	SLU-179	Min P	-19189.1	2.822	-656.609	-7.4358	-12239.3	-34.8724
p1-s1	SLU-179	Max M2	-16993.1	6.513	-660.046	-9.8375	-6834.47	3.8826
p1-s1	SLU-179	Min M2	-18531	3.67	-658.495	-6.1144	-13593	-25.964
p1-s1	SLU-179	Max M3	-17954.4	19.7	-657.948	-8.9794	-10110.2	142.3512
p1-s1	SLU-179	Min M3	-18118.5	-11.5	-657.492	-5.1293	-10579.2	-185.252
p1-s1	SLU-180	Max P	-16260.1	9.742	-655.316	-10.1022	-8096.56	37.7902
p1-s1	SLU-180	Min P	-19238.1	6.092	-662.528	-10.5841	-4336.45	-0.5378
p1-s1	SLU-180	Max M2	-18601.6	5.995	-660.271	-12.0894	-2783.89	-1.5589
p1-s1	SLU-180	Min M2	-17052.5	4.689	-659.274	-8.1781	-9546.9	-15.2723
p1-s1	SLU-180	Max M3	-18037.1	23.886	-660.786	-9.1477	-6116.86	186.2969
p1-s1	SLU-180	Min M3	-18170.3	-12.477	-661.294	-13.1502	-6014.3	-195.513
p1-s1	SLU-181	Max P	-15867.2	-30.114	700.74	5.5878	8713.36	-363.237
p1-s1	SLU-181	Min P	-18840.4	-37.014	708.309	5.9747	4682.136	-435.689
p1-s1	SLU-181	Max M2	-16644.4	-33.323	704.872	3.573	10086.94	-396.934
p1-s1	SLU-181	Min M2	-18182.3	-36.166	706.424	7.2961	3328.429	-426.78
p1-s1	SLU-181	Max M3	-17605.7	-20.136	706.97	4.4312	6811.24	-258.465
p1-s1	SLU-181	Min M3	-17769.8	-51.336	707.426	8.2812	6342.198	-586.069
p1-s1	SLU-182	Max P	-15911.4	-30.094	709.603	3.3083	8824.855	-363.026
p1-s1	SLU-182	Min P	-18889.4	-33.744	702.39	2.8265	12584.97	-401.354
p1-s1	SLU-182	Max M2	-18252.9	-33.842	704.647	1.3211	14137.53	-402.375
p1-s1	SLU-182	Min M2	-16703.8	-35.147	705.644	5.2324	7374.519	-416.089
p1-s1	SLU-182	Max M3	-17688.4	-15.95	704.132	4.2629	10804.55	-214.519
p1-s1	SLU-182	Min M3	-17821.6	-52.313	703.624	0.2603	10907.12	-596.33
p1-s1	SLU-183	Max P	-15861.3	12.241	-664.159	-7.9158	-8056.93	64.0223
p1-s1	SLU-183	Min P	-18834.5	5.34	-656.59	-7.5289	-12088.2	-8.4294
p1-s1	SLU-183	Max M2	-16638.5	9.031	-660.027	-9.9306	-6683.34	30.3255
p1-s1	SLU-183	Min M2	-18176.4	6.189	-658.476	-6.2075	-13441.9	0.4789
p1-s1	SLU-183	Max M3	-17599.8	22.219	-657.929	-9.0724	-9959.05	168.7942
p1-s1	SLU-183	Min M3	-17763.9	-8.981	-657.473	-5.2224	-10428.1	-158.809
p1-s1	SLU-184	Max P	-15905.6	12.261	-655.297	-10.1952	-7945.43	64.2332
p1-s1	SLU-184	Min P	-18883.6	8.61	-662.51	-10.6771	-4185.32	25.9052
p1-s1	SLU-184	Max M2	-18247	8.513	-660.252	-12.1824	-2632.76	24.884
p1-s1	SLU-184	Min M2	-16698	7.207	-659.255	-8.2711	-9395.77	11.1706
p1-s1	SLU-184	Max M3	-17682.5	26.404	-660.767	-9.2407	-5965.73	212.7399
p1-s1	SLU-184	Min M3	-17815.8	-9.959	-661.275	-13.2432	-5863.17	-169.07
p1-s1	SLU-185	Max P	-16442.9	-29.903	700.816	5.6469	8588.338	-361.027
p1-s1	SLU-185	Min P	-19416.1	-36.804	708.385	6.0339	4557.114	-433.479
p1-s1	SLU-185	Max M2	-17220.1	-33.113	704.948	3.6321	9961.921	-394.724
p1-s1	SLU-185	Min M2	-18758	-35.955	706.499	7.3553	3203.407	-424.57
p1-s1	SLU-185	Max M3	-18181.4	-19.925	707.046	4.4903	6686.218	-256.255
p1-s1	SLU-185	Min M3	-18345.5	-51.126	707.502	8.3403	6217.176	-583.859
p1-s1	SLU-186	Max P	-16487.1	-29.883	709.678	3.3675	8699.833	-360.816
p1-s1	SLU-186	Min P	-19465.2	-33.534	702.466	2.8856	12459.95	-399.144
p1-s1	SLU-186	Max M2	-18828.6	-33.631	704.723	1.3803	14012.51	-400.165

p1-s1	SLU-186	Min M2	-17279.5	-34.937	705.72	5.2916	7249.498	-413.879
p1-s1	SLU-186	Max M3	-18264.1	-15.74	704.208	4.322	10679.53	-212.309
p1-s1	SLU-186	Min M3	-18397.4	-52.103	703.7	0.3195	10782.1	-594.12
p1-s1	SLU-187	Max P	-16437	12.451	-664.083	-7.8566	-8181.95	66.2322
p1-s1	SLU-187	Min P	-19410.3	5.551	-656.514	-7.4697	-12213.2	-6.2195
p1-s1	SLU-187	Max M2	-17214.2	9.242	-659.952	-9.8715	-6808.37	32.5355
p1-s1	SLU-187	Min M2	-18752.1	6.399	-658.4	-6.1483	-13566.9	2.6889
p1-s1	SLU-187	Max M3	-18175.5	22.429	-657.853	-9.0133	-10084.1	171.0041
p1-s1	SLU-187	Min M3	-18339.7	-8.771	-657.397	-5.1632	-10553.1	-156.599
p1-s1	SLU-188	Max P	-16481.3	12.471	-655.221	-10.1361	-8070.45	66.4431
p1-s1	SLU-188	Min P	-19459.3	8.821	-662.434	-10.618	-4310.34	28.1151
p1-s1	SLU-188	Max M2	-18822.8	8.723	-660.176	-12.1233	-2757.78	27.094
p1-s1	SLU-188	Min M2	-17273.7	7.418	-659.179	-8.212	-9520.79	13.3806
p1-s1	SLU-188	Max M3	-18258.2	26.615	-660.691	-9.1816	-6090.76	214.9499
p1-s1	SLU-188	Min M3	-18391.5	-9.748	-661.199	-13.1841	-5988.19	-166.861
p1-s1	SLU-189	Max P	-16088.3	-27.385	700.835	5.5539	8739.469	-334.584
p1-s1	SLU-189	Min P	-19061.5	-34.285	708.404	5.9408	4708.245	-407.036
p1-s1	SLU-189	Max M2	-16865.5	-30.594	704.967	3.5391	10113.05	-368.281
p1-s1	SLU-189	Min M2	-18403.4	-33.437	706.518	7.2622	3354.537	-398.127
p1-s1	SLU-189	Max M3	-17826.8	-17.407	707.065	4.3972	6837.349	-229.812
p1-s1	SLU-189	Min M3	-17991	-48.607	707.521	8.2473	6368.307	-557.416
p1-s1	SLU-190	Max P	-16132.6	-27.365	709.697	3.2744	8850.964	-334.373
p1-s1	SLU-190	Min P	-19110.6	-31.015	702.484	2.7926	12611.08	-372.701
p1-s1	SLU-190	Max M2	-18474.1	-31.113	704.742	1.2872	14163.64	-373.722
p1-s1	SLU-190	Min M2	-16925	-32.419	705.739	5.1985	7400.628	-387.436
p1-s1	SLU-190	Max M3	-17909.5	-13.222	704.227	4.229	10830.66	-185.866
p1-s1	SLU-190	Min M3	-18042.8	-49.584	703.719	0.2264	10933.23	-567.677
p1-s1	SLU-191	Max P	-16082.5	14.97	-664.064	-7.9497	-8030.82	92.6752
p1-s1	SLU-191	Min P	-19055.7	8.069	-656.495	-7.5628	-12062	20.2235
p1-s1	SLU-191	Max M2	-16859.7	11.76	-659.933	-9.9645	-6657.24	58.9785
p1-s1	SLU-191	Min M2	-18397.6	8.918	-658.381	-6.2414	-13415.7	29.1318
p1-s1	SLU-191	Max M3	-17821	24.948	-657.834	-9.1063	-9932.94	197.4471
p1-s1	SLU-191	Min M3	-17985.1	-6.253	-657.378	-5.2563	-10402	-130.156
p1-s1	SLU-192	Max P	-16126.7	14.99	-655.202	-10.2291	-7919.32	92.8861
p1-s1	SLU-192	Min P	-19104.7	11.339	-662.415	-10.711	-4159.21	54.5581
p1-s1	SLU-192	Max M2	-18468.2	11.242	-660.157	-12.2163	-2606.65	53.537
p1-s1	SLU-192	Min M2	-16919.1	9.936	-659.16	-8.305	-9369.66	39.8235
p1-s1	SLU-192	Max M3	-17903.7	29.133	-660.672	-9.2746	-5939.62	241.3928
p1-s1	SLU-192	Min M3	-18036.9	-7.23	-661.18	-13.2771	-5837.06	-140.418
p1-s1	SLU-193	Max P	-16221.5	318.719	817.036	-10.5961	10097.44	3299.507
p1-s1	SLU-193	Min P	-19194.7	311.819	824.605	-10.2092	6066.214	3227.056
p1-s1	SLU-193	Max M2	-16998.7	315.51	821.167	-12.6109	11471.02	3265.811
p1-s1	SLU-193	Min M2	-18536.6	312.667	822.719	-8.8877	4712.507	3235.964
p1-s1	SLU-193	Max M3	-17960	328.697	823.265	-11.7527	8195.318	3404.279
p1-s1	SLU-193	Min M3	-18124.1	297.497	823.721	-7.9027	7726.276	3076.676
p1-s1	SLU-194	Max P	-16265.7	318.739	825.898	-12.8755	10208.93	3299.718
p1-s1	SLU-194	Min P	-19243.7	315.088	818.685	-13.3574	13969.05	3261.39
p1-s1	SLU-194	Max M2	-18607.2	314.991	820.943	-14.8627	15521.61	3260.369
p1-s1	SLU-194	Min M2	-17058.1	313.685	821.939	-10.9514	8758.598	3246.656
p1-s1	SLU-194	Max M3	-18042.7	332.882	820.427	-11.921	12188.63	3448.225
p1-s1	SLU-194	Min M3	-18175.9	296.519	819.92	-15.9235	12291.2	3066.415

p1-s1	SLU-195	Max P	-16215.6	361.073	-547.863	-24.0997	-6672.85	3726.767
p1-s1	SLU-195	Min P	-19188.8	354.173	-540.295	-23.7127	-10704.1	3654.315
p1-s1	SLU-195	Max M2	-16992.8	357.864	-543.732	-26.1145	-5299.27	3693.07
p1-s1	SLU-195	Min M2	-18530.7	355.022	-542.18	-22.3913	-12057.8	3663.223
p1-s1	SLU-195	Max M3	-17954.1	371.052	-541.634	-25.2563	-8574.97	3831.538
p1-s1	SLU-195	Min M3	-18118.3	339.851	-541.178	-21.4062	-9044.01	3503.935
p1-s1	SLU-196	Max P	-16259.9	361.094	-539.001	-26.3791	-6561.35	3726.977
p1-s1	SLU-196	Min P	-19237.9	357.443	-546.214	-26.861	-2801.24	3688.649
p1-s1	SLU-196	Max M2	-18601.4	357.346	-543.956	-28.3663	-1248.68	3687.628
p1-s1	SLU-196	Min M2	-17052.3	356.04	-542.96	-24.455	-8011.69	3673.915
p1-s1	SLU-196	Max M3	-18036.8	375.237	-544.472	-25.4246	-4581.66	3875.484
p1-s1	SLU-196	Min M3	-18170.1	338.874	-544.979	-29.4271	-4479.09	3493.674
p1-s1	SLU-197	Max P	-15866.9	321.237	817.055	-10.6891	10248.57	3325.95
p1-s1	SLU-197	Min P	-18840.1	314.337	824.623	-10.3022	6217.345	3253.499
p1-s1	SLU-197	Max M2	-16644.1	318.028	821.186	-12.7039	11622.15	3292.254
p1-s1	SLU-197	Min M2	-18182	315.185	822.738	-8.9808	4863.638	3262.407
p1-s1	SLU-197	Max M3	-17605.4	331.215	823.284	-11.8458	8346.449	3430.722
p1-s1	SLU-197	Min M3	-17769.5	300.015	823.74	-7.9957	7877.407	3103.119
p1-s1	SLU-198	Max P	-15911.2	321.257	825.917	-12.9686	10360.06	3326.161
p1-s1	SLU-198	Min P	-18889.2	317.607	818.704	-13.4505	14120.18	3287.833
p1-s1	SLU-198	Max M2	-18252.6	317.51	820.962	-14.9558	15672.74	3286.812
p1-s1	SLU-198	Min M2	-16703.6	316.204	821.958	-11.0445	8909.728	3273.099
p1-s1	SLU-198	Max M3	-17688.1	335.401	820.446	-12.0141	12339.76	3474.668
p1-s1	SLU-198	Min M3	-17821.4	299.038	819.939	-16.0166	12442.33	3092.858
p1-s1	SLU-199	Max P	-15861.1	363.592	-547.845	-24.1927	-6521.72	3753.21
p1-s1	SLU-199	Min P	-18834.3	356.691	-540.276	-23.8058	-10552.9	3680.758
p1-s1	SLU-199	Max M2	-16638.3	360.383	-543.713	-26.2075	-5148.14	3719.513
p1-s1	SLU-199	Min M2	-18176.2	357.54	-542.161	-22.4844	-11906.6	3689.666
p1-s1	SLU-199	Max M3	-17599.5	373.57	-541.615	-25.3493	-8423.84	3857.981
p1-s1	SLU-199	Min M3	-17763.7	342.37	-541.159	-21.4993	-8892.88	3530.378
p1-s1	SLU-200	Max P	-15905.3	363.612	-538.982	-26.4721	-6410.22	3753.42
p1-s1	SLU-200	Min P	-18883.3	359.961	-546.195	-26.954	-2650.11	3715.092
p1-s1	SLU-200	Max M2	-18246.8	359.864	-543.937	-28.4593	-1097.55	3714.071
p1-s1	SLU-200	Min M2	-16697.7	358.558	-542.941	-24.5481	-7860.56	3700.358
p1-s1	SLU-200	Max M3	-17682.3	377.755	-544.453	-25.5176	-4430.52	3901.927
p1-s1	SLU-200	Min M3	-17815.5	341.392	-544.96	-29.5202	-4327.96	3520.117
p1-s1	SLU-201	Max P	-16442.6	321.448	817.13	-10.63	10123.55	3328.16
p1-s1	SLU-201	Min P	-19415.9	314.547	824.699	-10.2431	6092.323	3255.709
p1-s1	SLU-201	Max M2	-17219.8	318.238	821.262	-12.6448	11497.13	3294.464
p1-s1	SLU-201	Min M2	-18757.7	315.396	822.814	-8.9216	4738.616	3264.617
p1-s1	SLU-201	Max M3	-18181.1	331.426	823.36	-11.7866	8221.427	3432.932
p1-s1	SLU-201	Min M3	-18345.3	300.226	823.816	-7.9366	7752.385	3105.329
p1-s1	SLU-202	Max P	-16486.9	321.468	825.993	-12.9094	10235.04	3328.371
p1-s1	SLU-202	Min P	-19464.9	317.817	818.78	-13.3913	13995.16	3290.043
p1-s1	SLU-202	Max M2	-18828.4	317.72	821.038	-14.8966	15547.72	3289.022
p1-s1	SLU-202	Min M2	-17279.3	316.414	822.034	-10.9853	8784.707	3275.309
p1-s1	SLU-202	Max M3	-18263.8	335.611	820.522	-11.9549	12214.74	3476.878
p1-s1	SLU-202	Min M3	-18397.1	299.248	820.015	-15.9574	12317.31	3095.068
p1-s1	SLU-203	Max P	-16436.8	363.802	-547.769	-24.1336	-6646.74	3755.42
p1-s1	SLU-203	Min P	-19410	356.902	-540.2	-23.7466	-10678	3682.968
p1-s1	SLU-203	Max M2	-17214	360.593	-543.637	-26.1484	-5273.16	3721.723

p1-s1	SLU-203	Min M2	-18751.9	357.75	-542.086	-22.4252	-12031.7	3691.876
p1-s1	SLU-203	Max M3	-18175.3	373.78	-541.539	-25.2902	-8548.86	3860.191
p1-s1	SLU-203	Min M3	-18339.4	342.58	-541.083	-21.4402	-9017.9	3532.588
p1-s1	SLU-204	Max P	-16481	363.822	-538.906	-26.413	-6535.24	3755.63
p1-s1	SLU-204	Min P	-19459	360.172	-546.119	-26.8949	-2775.13	3717.302
p1-s1	SLU-204	Max M2	-18822.5	360.075	-543.862	-28.4002	-1222.57	3716.281
p1-s1	SLU-204	Min M2	-17273.4	358.769	-542.865	-24.4889	-7985.58	3702.568
p1-s1	SLU-204	Max M3	-18258	377.966	-544.377	-25.4585	-4555.55	3904.137
p1-s1	SLU-204	Min M3	-18391.2	341.603	-544.885	-29.461	-4452.98	3522.327
p1-s1	SLU-205	Max P	-16088.1	323.966	817.149	-10.723	10274.68	3354.603
p1-s1	SLU-205	Min P	-19061.3	317.066	824.718	-10.3361	6243.454	3282.152
p1-s1	SLU-205	Max M2	-16865.3	320.757	821.281	-12.7379	11648.26	3320.907
p1-s1	SLU-205	Min M2	-18403.2	317.914	822.833	-9.0147	4889.747	3291.06
p1-s1	SLU-205	Max M3	-17826.6	333.944	823.379	-11.8797	8372.558	3459.375
p1-s1	SLU-205	Min M3	-17990.7	302.744	823.835	-8.0296	7903.516	3131.772
p1-s1	SLU-206	Max P	-16132.3	323.986	826.012	-13.0025	10386.17	3354.814
p1-s1	SLU-206	Min P	-19110.3	320.336	818.799	-13.4844	14146.29	3316.486
p1-s1	SLU-206	Max M2	-18473.8	320.238	821.057	-14.9897	15698.85	3315.465
p1-s1	SLU-206	Min M2	-16924.7	318.933	822.053	-11.0784	8935.837	3301.752
p1-s1	SLU-206	Max M3	-17909.3	338.13	820.541	-12.048	12365.87	3503.321
p1-s1	SLU-206	Min M3	-18042.5	301.767	820.034	-16.0505	12468.44	3121.511
p1-s1	SLU-207	Max P	-16082.2	366.321	-547.75	-24.2266	-6495.61	3781.862
p1-s1	SLU-207	Min P	-19055.4	359.42	-540.181	-23.8397	-10526.8	3709.411
p1-s1	SLU-207	Max M2	-16859.4	363.111	-543.618	-26.2414	-5122.03	3748.166
p1-s1	SLU-207	Min M2	-18397.3	360.269	-542.067	-22.5183	-11880.5	3718.319
p1-s1	SLU-207	Max M3	-17820.7	376.299	-541.52	-25.3833	-8397.73	3886.634
p1-s1	SLU-207	Min M3	-17984.9	345.099	-541.064	-21.5332	-8866.77	3559.031
p1-s1	SLU-208	Max P	-16126.5	366.341	-538.888	-26.5061	-6384.11	3782.073
p1-s1	SLU-208	Min P	-19104.5	362.69	-546.1	-26.9879	-2624	3743.745
p1-s1	SLU-208	Max M2	-18467.9	362.593	-543.843	-28.4933	-1071.44	3742.724
p1-s1	SLU-208	Min M2	-16918.9	361.287	-542.846	-24.582	-7834.45	3729.011
p1-s1	SLU-208	Max M3	-17903.4	380.484	-544.358	-25.5515	-4404.42	3930.58
p1-s1	SLU-208	Min M3	-18036.7	344.121	-544.866	-29.5541	-4301.85	3548.77
p1-s1	SLU-209	Max P	-16220.6	323.345	700.905	-4.6568	8549.897	3348.08
p1-s1	SLU-209	Min P	-19193.8	316.445	708.474	-4.2699	4518.673	3275.629
p1-s1	SLU-209	Max M2	-16997.8	320.136	705.037	-6.6716	9923.48	3314.384
p1-s1	SLU-209	Min M2	-18535.7	317.293	706.589	-2.9485	3164.966	3284.537
p1-s1	SLU-209	Max M3	-17959.1	333.323	707.135	-5.8134	6647.777	3452.852
p1-s1	SLU-209	Min M3	-18123.2	302.123	707.591	-1.9634	6178.735	3125.249
p1-s1	SLU-210	Max P	-16264.9	323.365	709.768	-6.9362	8661.392	3348.291
p1-s1	SLU-210	Min P	-19242.9	319.714	702.555	-7.4181	12421.51	3309.963
p1-s1	SLU-210	Max M2	-18606.3	319.617	704.813	-8.9234	13974.07	3308.942
p1-s1	SLU-210	Min M2	-17057.3	318.311	705.809	-5.0121	7211.057	3295.229
p1-s1	SLU-210	Max M3	-18041.8	337.508	704.297	-5.9817	10641.09	3496.798
p1-s1	SLU-210	Min M3	-18175.1	301.145	703.79	-9.9843	10743.66	3114.988
p1-s1	SLU-211	Max P	-16214.7	365.699	-663.994	-18.1604	-8220.39	3775.34
p1-s1	SLU-211	Min P	-19188	358.799	-656.425	-17.7735	-12251.6	3702.888
p1-s1	SLU-211	Max M2	-16991.9	362.49	-659.862	-20.1752	-6846.81	3741.643
p1-s1	SLU-211	Min M2	-18529.9	359.648	-658.311	-16.4521	-13605.3	3711.796
p1-s1	SLU-211	Max M3	-17953.2	375.678	-657.764	-19.317	-10122.5	3880.112
p1-s1	SLU-211	Min M3	-18117.4	344.477	-657.308	-15.467	-10591.6	3552.508

p1-s1	SLU-212	Max P	-16259	365.72	-655.131	-20.4398	-8108.89	3775.551
p1-s1	SLU-212	Min P	-19237	362.069	-662.344	-20.9217	-4348.78	3737.223
p1-s1	SLU-212	Max M2	-18600.5	361.972	-660.087	-22.427	-2796.22	3736.201
p1-s1	SLU-212	Min M2	-17051.4	360.666	-659.09	-18.5157	-9559.23	3722.488
p1-s1	SLU-212	Max M3	-18036	379.863	-660.602	-19.4853	-6129.2	3924.057
p1-s1	SLU-212	Min M3	-18169.2	343.5	-661.11	-23.4878	-6026.63	3542.247
p1-s1	SLU-213	Max P	-15866	325.863	700.924	-4.7499	8701.028	3374.523
p1-s1	SLU-213	Min P	-18839.3	318.963	708.493	-4.363	4669.804	3302.072
p1-s1	SLU-213	Max M2	-16643.2	322.654	705.056	-6.7647	10074.61	3340.827
p1-s1	SLU-213	Min M2	-18181.1	319.811	706.608	-3.0415	3316.097	3310.98
p1-s1	SLU-213	Max M3	-17604.5	335.841	707.154	-5.9065	6798.908	3479.295
p1-s1	SLU-213	Min M3	-17768.7	304.641	707.61	-2.0565	6329.866	3151.692
p1-s1	SLU-214	Max P	-15910.3	325.883	709.787	-7.0293	8812.523	3374.734
p1-s1	SLU-214	Min P	-18888.3	322.233	702.574	-7.5112	12572.64	3336.406
p1-s1	SLU-214	Max M2	-18251.8	322.136	704.832	-9.0165	14125.2	3335.385
p1-s1	SLU-214	Min M2	-16702.7	320.83	705.828	-5.1052	7362.187	3321.672
p1-s1	SLU-214	Max M3	-17687.2	340.027	704.316	-6.0748	10792.22	3523.241
p1-s1	SLU-214	Min M3	-17820.5	303.664	703.809	-10.0773	10894.79	3141.431
p1-s1	SLU-215	Max P	-15860.2	368.218	-663.975	-18.2534	-8069.26	3801.783
p1-s1	SLU-215	Min P	-18833.4	361.317	-656.406	-17.8665	-12100.5	3729.331
p1-s1	SLU-215	Max M2	-16637.4	365.009	-659.843	-20.2683	-6695.68	3768.086
p1-s1	SLU-215	Min M2	-18175.3	362.166	-658.292	-16.5451	-13454.2	3738.239
p1-s1	SLU-215	Max M3	-17598.7	378.196	-657.745	-19.4101	-9971.38	3906.554
p1-s1	SLU-215	Min M3	-17762.8	346.996	-657.289	-15.56	-10440.4	3578.951
p1-s1	SLU-216	Max P	-15904.4	368.238	-655.113	-20.5329	-7957.76	3801.993
p1-s1	SLU-216	Min P	-18882.4	364.587	-662.325	-21.0148	-4197.65	3763.665
p1-s1	SLU-216	Max M2	-18245.9	364.49	-660.068	-22.5201	-2645.09	3762.644
p1-s1	SLU-216	Min M2	-16696.8	363.184	-659.071	-18.6088	-9408.1	3748.931
p1-s1	SLU-216	Max M3	-17681.4	382.381	-660.583	-19.5784	-5978.07	3950.5
p1-s1	SLU-216	Min M3	-17814.7	346.018	-661.091	-23.5809	-5875.5	3568.69
p1-s1	SLU-217	Max P	-16441.8	326.074	701	-4.6907	8576.006	3376.733
p1-s1	SLU-217	Min P	-19415	319.173	708.569	-4.3038	4544.782	3304.282
p1-s1	SLU-217	Max M2	-17218.9	322.864	705.132	-6.7055	9949.589	3343.037
p1-s1	SLU-217	Min M2	-18756.9	320.022	706.683	-2.9824	3191.075	3313.19
p1-s1	SLU-217	Max M3	-18180.2	336.052	707.23	-5.8473	6673.886	3481.505
p1-s1	SLU-217	Min M3	-18344.4	304.852	707.686	-1.9973	6204.844	3153.902
p1-s1	SLU-218	Max P	-16486	326.094	709.863	-6.9702	8687.501	3376.944
p1-s1	SLU-218	Min P	-19464	322.443	702.65	-7.452	12447.61	3338.616
p1-s1	SLU-218	Max M2	-18827.5	322.346	704.907	-8.9574	14000.18	3337.595
p1-s1	SLU-218	Min M2	-17278.4	321.04	705.904	-5.0461	7237.166	3323.882
p1-s1	SLU-218	Max M3	-18263	340.237	704.392	-6.0156	10667.2	3525.451
p1-s1	SLU-218	Min M3	-18396.2	303.874	703.884	-10.0182	10769.77	3143.641
p1-s1	SLU-219	Max P	-16435.9	368.428	-663.899	-18.1943	-8194.28	3803.993
p1-s1	SLU-219	Min P	-19409.1	361.528	-656.33	-17.8074	-12225.5	3731.541
p1-s1	SLU-219	Max M2	-17213.1	365.219	-659.767	-20.2091	-6820.7	3770.296
p1-s1	SLU-219	Min M2	-18751	362.376	-658.216	-16.486	-13579.2	3740.449
p1-s1	SLU-219	Max M3	-18174.4	378.406	-657.669	-19.3509	-10096.4	3908.764
p1-s1	SLU-219	Min M3	-18338.5	347.206	-657.213	-15.5009	-10565.4	3581.161
p1-s1	SLU-220	Max P	-16480.2	368.448	-655.037	-20.4737	-8082.79	3804.203
p1-s1	SLU-220	Min P	-19458.2	364.798	-662.25	-20.9556	-4322.67	3765.875
p1-s1	SLU-220	Max M2	-18821.6	364.701	-659.992	-22.4609	-2770.11	3764.854

p1-s1	SLU-220	Min M2	-17272.6	363.395	-658.995	-18.5496	-9533.12	3751.141
p1-s1	SLU-220	Max M3	-18257.1	382.592	-660.507	-19.5192	-6103.09	3952.71
p1-s1	SLU-220	Min M3	-18390.4	346.229	-661.015	-23.5217	-6000.52	3570.9
p1-s1	SLU-221	Max P	-16087.2	328.592	701.019	-4.7838	8727.137	3403.176
p1-s1	SLU-221	Min P	-19060.4	321.692	708.588	-4.3969	4695.913	3330.725
p1-s1	SLU-221	Max M2	-16864.4	325.383	705.151	-6.7986	10100.72	3369.48
p1-s1	SLU-221	Min M2	-18402.3	322.54	706.702	-3.0754	3342.206	3339.633
p1-s1	SLU-221	Max M3	-17825.7	338.57	707.249	-5.9404	6825.017	3507.948
p1-s1	SLU-221	Min M3	-17989.8	307.37	707.705	-2.0904	6355.975	3180.345
p1-s1	SLU-222	Max P	-16131.4	328.612	709.881	-7.0632	8838.632	3403.387
p1-s1	SLU-222	Min P	-19109.5	324.962	702.668	-7.5451	12598.75	3365.059
p1-s1	SLU-222	Max M2	-18472.9	324.864	704.926	-9.0504	14151.31	3364.038
p1-s1	SLU-222	Min M2	-16923.8	323.559	705.923	-5.1391	7388.296	3350.325
p1-s1	SLU-222	Max M3	-17908.4	342.756	704.411	-6.1087	10818.33	3551.894
p1-s1	SLU-222	Min M3	-18041.7	306.393	703.903	-10.1112	10920.9	3170.084
p1-s1	SLU-223	Max P	-16081.3	370.947	-663.88	-18.2874	-8043.15	3830.436
p1-s1	SLU-223	Min P	-19054.6	364.046	-656.311	-17.9004	-12074.4	3757.984
p1-s1	SLU-223	Max M2	-16858.5	367.737	-659.749	-20.3022	-6669.57	3796.739
p1-s1	SLU-223	Min M2	-18396.4	364.895	-658.197	-16.579	-13428.1	3766.892
p1-s1	SLU-223	Max M3	-17819.8	380.925	-657.65	-19.444	-9945.27	3935.207
p1-s1	SLU-223	Min M3	-17984	349.725	-657.194	-15.5939	-10414.3	3607.604
p1-s1	SLU-224	Max P	-16125.6	370.967	-655.018	-20.5668	-7931.66	3830.646
p1-s1	SLU-224	Min P	-19103.6	367.316	-662.231	-21.0487	-4171.54	3792.318
p1-s1	SLU-224	Max M2	-18467.1	367.219	-659.973	-22.554	-2618.98	3791.297
p1-s1	SLU-224	Min M2	-16918	365.913	-658.976	-18.6427	-9381.99	3777.584
p1-s1	SLU-224	Max M3	-17902.5	385.11	-660.488	-19.6123	-5951.96	3979.153
p1-s1	SLU-224	Min M3	-18035.8	348.747	-660.996	-23.6148	-5849.39	3597.343
p1-s1	SLU-225	Max P	-16222.1	305.712	1139.066	12.3313	13901.23	3168.76
p1-s1	SLU-225	Min P	-19195.3	298.812	1146.635	12.7182	9870.009	3096.308
p1-s1	SLU-225	Max M2	-16999.3	302.503	1143.198	10.3165	15274.82	3135.063
p1-s1	SLU-225	Min M2	-18537.2	299.66	1144.75	14.0396	8516.302	3105.217
p1-s1	SLU-225	Max M3	-17960.6	315.691	1145.296	11.1747	11999.11	3273.532
p1-s1	SLU-225	Min M3	-18124.7	284.49	1145.752	15.0247	11530.07	2945.929
p1-s1	SLU-226	Max P	-16266.4	305.732	1147.929	10.0519	14012.73	3168.971
p1-s1	SLU-226	Min P	-19244.4	302.082	1140.716	9.57	17772.84	3130.643
p1-s1	SLU-226	Max M2	-18607.8	301.985	1142.973	8.0647	19325.4	3129.622
p1-s1	SLU-226	Min M2	-17058.8	300.679	1143.97	11.976	12562.39	3115.908
p1-s1	SLU-226	Max M3	-18043.3	319.876	1142.458	11.0064	15992.43	3317.478
p1-s1	SLU-226	Min M3	-18176.6	283.513	1141.95	7.0039	16094.99	2935.667
p1-s1	SLU-227	Max P	-16212.4	376.303	-1135.77	-10.1747	-14049.2	3880.859
p1-s1	SLU-227	Min P	-19185.6	369.403	-1128.2	-9.7878	-18080.5	3808.407
p1-s1	SLU-227	Max M2	-16989.5	373.094	-1131.63	-12.1895	-12675.7	3847.162
p1-s1	SLU-227	Min M2	-18527.5	370.251	-1130.08	-8.4663	-19434.2	3817.315
p1-s1	SLU-227	Max M3	-17950.8	386.281	-1129.54	-11.3313	-15951.4	3985.631
p1-s1	SLU-227	Min M3	-18115	355.081	-1129.08	-7.4813	-16420.4	3658.027
p1-s1	SLU-228	Max P	-16256.6	376.323	-1126.9	-12.4541	-13937.8	3881.07
p1-s1	SLU-228	Min P	-19234.6	372.673	-1134.12	-12.936	-10177.6	3842.742
p1-s1	SLU-228	Max M2	-18598.1	372.576	-1131.86	-14.4413	-8625.07	3841.72
p1-s1	SLU-228	Min M2	-17049	371.27	-1130.86	-10.53	-15388.1	3828.007
p1-s1	SLU-228	Max M3	-18033.6	390.467	-1132.37	-11.4996	-11958.1	4029.576
p1-s1	SLU-228	Min M3	-18166.8	354.104	-1132.88	-15.5021	-11855.5	3647.766

p1-s1	SLU-229	Max P	-15867.5	308.231	1139.085	12.2383	14052.36	3195.203
p1-s1	SLU-229	Min P	-18840.8	301.33	1146.654	12.6252	10021.14	3122.751
p1-s1	SLU-229	Max M2	-16644.7	305.022	1143.217	10.2234	15425.95	3161.506
p1-s1	SLU-229	Min M2	-18182.6	302.179	1144.768	13.9466	8667.432	3131.66
p1-s1	SLU-229	Max M3	-17606	318.209	1145.315	11.0816	12150.24	3299.975
p1-s1	SLU-229	Min M3	-17770.2	287.009	1145.771	14.9317	11681.2	2972.371
p1-s1	SLU-230	Max P	-15911.8	308.251	1147.947	9.9588	14163.86	3195.414
p1-s1	SLU-230	Min P	-18889.8	304.6	1140.735	9.4769	17923.97	3157.086
p1-s1	SLU-230	Max M2	-18253.3	304.503	1142.992	7.9716	19476.54	3156.065
p1-s1	SLU-230	Min M2	-16704.2	303.197	1143.989	11.8829	12713.52	3142.351
p1-s1	SLU-230	Max M3	-17688.7	322.394	1142.477	10.9133	16143.56	3343.921
p1-s1	SLU-230	Min M3	-17822	286.031	1141.969	6.9108	16246.12	2962.11
p1-s1	SLU-231	Max P	-15857.8	378.822	-1135.75	-10.2677	-13898.1	3907.302
p1-s1	SLU-231	Min P	-18831	371.921	-1128.18	-9.8808	-17929.3	3834.85
p1-s1	SLU-231	Max M2	-16635	375.612	-1131.62	-12.2825	-12524.5	3873.605
p1-s1	SLU-231	Min M2	-18172.9	372.77	-1130.06	-8.5594	-19283	3843.758
p1-s1	SLU-231	Max M3	-17596.3	388.8	-1129.52	-11.4244	-15800.2	4012.074
p1-s1	SLU-231	Min M3	-17760.4	357.6	-1129.06	-7.5743	-16269.3	3684.47
p1-s1	SLU-232	Max P	-15902	378.842	-1126.89	-12.5472	-13786.6	3907.513
p1-s1	SLU-232	Min P	-18880.1	375.191	-1134.1	-13.029	-10026.5	3869.185
p1-s1	SLU-232	Max M2	-18243.5	375.094	-1131.84	-14.5344	-8473.94	3868.163
p1-s1	SLU-232	Min M2	-16694.4	373.788	-1130.84	-10.6231	-15237	3854.45
p1-s1	SLU-232	Max M3	-17679	392.985	-1132.36	-11.5926	-11806.9	4056.019
p1-s1	SLU-232	Min M3	-17812.3	356.622	-1132.86	-15.5952	-11704.4	3674.209
p1-s1	SLU-233	Max P	-16443.3	308.441	1139.161	12.2974	13927.34	3197.413
p1-s1	SLU-233	Min P	-19416.5	301.541	1146.73	12.6843	9896.118	3124.961
p1-s1	SLU-233	Max M2	-17220.5	305.232	1143.293	10.2826	15300.92	3163.716
p1-s1	SLU-233	Min M2	-18758.4	302.389	1144.844	14.0057	8542.411	3133.87
p1-s1	SLU-233	Max M3	-18181.7	318.419	1145.391	11.1408	12025.22	3302.185
p1-s1	SLU-233	Min M3	-18345.9	287.219	1145.847	14.9908	11556.18	2974.581
p1-s1	SLU-234	Max P	-16487.5	308.461	1148.023	10.018	14038.84	3197.624
p1-s1	SLU-234	Min P	-19465.5	304.811	1140.81	9.5361	17798.95	3159.296
p1-s1	SLU-234	Max M2	-18829	304.714	1143.068	8.0308	19351.51	3158.275
p1-s1	SLU-234	Min M2	-17279.9	303.408	1144.065	11.9421	12588.5	3144.561
p1-s1	SLU-234	Max M3	-18264.5	322.605	1142.553	10.9725	16018.54	3346.131
p1-s1	SLU-234	Min M3	-18397.7	286.242	1142.045	6.97	16121.1	2964.32
p1-s1	SLU-235	Max P	-16433.5	379.032	-1135.67	-10.2086	-14023.1	3909.512
p1-s1	SLU-235	Min P	-19406.7	372.132	-1128.1	-9.8217	-18054.4	3837.06
p1-s1	SLU-235	Max M2	-17210.7	375.823	-1131.54	-12.2234	-12649.6	3875.815
p1-s1	SLU-235	Min M2	-18748.6	372.98	-1129.99	-8.5002	-19408.1	3845.968
p1-s1	SLU-235	Max M3	-18172	389.01	-1129.44	-11.3652	-15925.3	4014.283
p1-s1	SLU-235	Min M3	-18336.1	357.81	-1128.99	-7.5152	-16394.3	3686.68
p1-s1	SLU-236	Max P	-16477.8	379.052	-1126.81	-12.488	-13911.6	3909.723
p1-s1	SLU-236	Min P	-19455.8	375.402	-1134.02	-12.9699	-10151.5	3871.395
p1-s1	SLU-236	Max M2	-18819.2	375.304	-1131.76	-14.4752	-8598.96	3870.373
p1-s1	SLU-236	Min M2	-17270.2	373.999	-1130.77	-10.5639	-15362	3856.66
p1-s1	SLU-236	Max M3	-18254.7	393.196	-1132.28	-11.5335	-11931.9	4058.229
p1-s1	SLU-236	Min M3	-18388	356.833	-1132.79	-15.536	-11829.4	3676.419
p1-s1	SLU-237	Max P	-16088.7	310.96	1139.18	12.2043	14078.47	3223.856
p1-s1	SLU-237	Min P	-19061.9	304.059	1146.749	12.5913	10047.25	3151.404
p1-s1	SLU-237	Max M2	-16865.9	307.75	1143.311	10.1895	15452.06	3190.159

p1-s1	SLU-237	Min M2	-18403.8	304.908	1144.863	13.9127	8693.541	3160.313
p1-s1	SLU-237	Max M3	-17827.2	320.938	1145.41	11.0477	12176.35	3328.628
p1-s1	SLU-237	Min M3	-17991.3	289.737	1145.866	14.8977	11707.31	3001.024
p1-s1	SLU-238	Max P	-16133	310.98	1148.042	9.9249	14189.97	3224.067
p1-s1	SLU-238	Min P	-19111	307.329	1140.829	9.443	17950.08	3185.739
p1-s1	SLU-238	Max M2	-18474.4	307.232	1143.087	7.9377	19502.64	3184.718
p1-s1	SLU-238	Min M2	-16925.3	305.926	1144.084	11.849	12739.63	3171.004
p1-s1	SLU-238	Max M3	-17909.9	325.123	1142.572	10.8794	16169.67	3372.574
p1-s1	SLU-238	Min M3	-18043.2	288.76	1142.064	6.8769	16272.23	2990.763
p1-s1	SLU-239	Max P	-16078.9	381.551	-1135.65	-10.3016	-13872	3935.955
p1-s1	SLU-239	Min P	-19052.2	374.65	-1128.08	-9.9147	-17903.2	3863.503
p1-s1	SLU-239	Max M2	-16856.1	378.341	-1131.52	-12.3164	-12498.4	3902.258
p1-s1	SLU-239	Min M2	-18394.1	375.499	-1129.97	-8.5933	-19256.9	3872.411
p1-s1	SLU-239	Max M3	-17817.4	391.529	-1129.42	-11.4583	-15774.1	4040.726
p1-s1	SLU-239	Min M3	-17981.6	360.328	-1128.97	-7.6082	-16243.2	3713.123
p1-s1	SLU-240	Max P	-16123.2	381.571	-1126.79	-12.5811	-13760.5	3936.165
p1-s1	SLU-240	Min P	-19101.2	377.92	-1134	-13.063	-10000.4	3897.837
p1-s1	SLU-240	Max M2	-18464.7	377.823	-1131.75	-14.5683	-8447.83	3896.816
p1-s1	SLU-240	Min M2	-16915.6	376.517	-1130.75	-10.657	-15210.8	3883.103
p1-s1	SLU-240	Max M3	-17900.2	395.714	-1132.26	-11.6265	-11780.8	4084.672
p1-s1	SLU-240	Min M3	-18033.4	359.351	-1132.77	-15.6291	-11678.2	3702.862
p1-s1	SLU-241	Max P	-16147.8	544.997	688.336	7.6625	8381.193	5638.237
p1-s1	SLU-241	Min P	-19121	538.097	695.904	8.0494	4349.969	5565.785
p1-s1	SLU-241	Max M2	-16925	541.788	692.467	5.6477	9754.775	5604.54
p1-s1	SLU-241	Min M2	-18462.9	538.945	694.019	9.3709	2996.262	5574.694
p1-s1	SLU-241	Max M3	-17886.3	554.975	694.565	6.5059	6479.073	5743.009
p1-s1	SLU-241	Min M3	-18050.4	523.775	695.021	10.3559	6010.031	5415.405
p1-s1	SLU-242	Max P	-16192.1	545.017	697.198	5.3831	8492.688	5638.448
p1-s1	SLU-242	Min P	-19170.1	541.367	689.985	4.9012	12252.8	5600.12
p1-s1	SLU-242	Max M2	-18533.5	541.269	692.243	3.3959	13805.36	5599.099
p1-s1	SLU-242	Min M2	-16984.5	539.963	693.239	7.3072	7042.352	5585.385
p1-s1	SLU-242	Max M3	-17969	559.16	691.727	6.3376	10472.39	5786.955
p1-s1	SLU-242	Min M3	-18102.3	522.797	691.22	2.3351	10574.95	5405.144
p1-s1	SLU-243	Max P	-16141.9	587.352	-676.564	-5.8411	-8389.09	6065.496
p1-s1	SLU-243	Min P	-19115.2	580.451	-668.995	-5.4542	-12420.3	5993.044
p1-s1	SLU-243	Max M2	-16919.1	584.142	-672.432	-7.8559	-7015.51	6031.799
p1-s1	SLU-243	Min M2	-18457.1	581.3	-670.88	-4.1327	-13774	6001.953
p1-s1	SLU-243	Max M3	-17880.4	597.33	-670.334	-6.9977	-10291.2	6170.268
p1-s1	SLU-243	Min M3	-18044.6	566.129	-669.878	-3.1477	-10760.3	5842.665
p1-s1	SLU-244	Max P	-16186.2	587.372	-667.701	-8.1205	-8277.6	6065.707
p1-s1	SLU-244	Min P	-19164.2	583.721	-674.914	-8.6024	-4517.49	6027.379
p1-s1	SLU-244	Max M2	-18527.7	583.624	-672.656	-10.1077	-2964.92	6026.358
p1-s1	SLU-244	Min M2	-16978.6	582.318	-671.66	-6.1964	-9727.93	6012.644
p1-s1	SLU-244	Max M3	-17963.2	601.515	-673.172	-7.166	-6297.9	6214.214
p1-s1	SLU-244	Min M3	-18096.4	565.152	-673.679	-11.1685	-6195.33	5832.403
p1-s1	SLU-245	Max P	-15793.2	547.515	688.355	7.5695	8532.323	5664.68
p1-s1	SLU-245	Min P	-18766.5	540.615	695.923	7.9564	4501.099	5592.228
p1-s1	SLU-245	Max M2	-16570.4	544.306	692.486	5.5546	9905.906	5630.983
p1-s1	SLU-245	Min M2	-18108.3	541.463	694.038	9.2778	3147.392	5601.137
p1-s1	SLU-245	Max M3	-17531.7	557.493	694.584	6.4128	6630.203	5769.452
p1-s1	SLU-245	Min M3	-17695.9	526.293	695.04	10.2629	6161.161	5441.848

p1-s1	SLU-246	Max P	-15837.5	547.535	697.217	5.29	8643.818	5664.891
p1-s1	SLU-246	Min P	-18815.5	543.885	690.004	4.8081	12403.93	5626.563
p1-s1	SLU-246	Max M2	-18179	543.788	692.262	3.3028	13956.49	5625.542
p1-s1	SLU-246	Min M2	-16629.9	542.482	693.258	7.2141	7193.483	5611.828
p1-s1	SLU-246	Max M3	-17614.4	561.679	691.746	6.2445	10623.52	5813.398
p1-s1	SLU-246	Min M3	-17747.7	525.316	691.239	2.242	10726.08	5431.587
p1-s1	SLU-247	Max P	-15787.4	589.87	-676.545	-5.9341	-8237.96	6091.939
p1-s1	SLU-247	Min P	-18760.6	582.97	-668.976	-5.5472	-12269.2	6019.487
p1-s1	SLU-247	Max M2	-16564.6	586.661	-672.413	-7.9489	-6864.38	6058.242
p1-s1	SLU-247	Min M2	-18102.5	583.818	-670.861	-4.2258	-13622.9	6028.396
p1-s1	SLU-247	Max M3	-17525.9	599.848	-670.315	-7.0908	-10140.1	6196.711
p1-s1	SLU-247	Min M3	-17690	568.648	-669.859	-3.2407	-10609.1	5869.108
p1-s1	SLU-248	Max P	-15831.6	589.89	-667.682	-8.2136	-8126.47	6092.15
p1-s1	SLU-248	Min P	-18809.6	586.239	-674.895	-8.6955	-4366.36	6053.822
p1-s1	SLU-248	Max M2	-18173.1	586.142	-672.638	-10.2008	-2813.79	6052.801
p1-s1	SLU-248	Min M2	-16624	584.836	-671.641	-6.2895	-9576.8	6039.087
p1-s1	SLU-248	Max M3	-17608.6	604.033	-673.153	-7.259	-6146.77	6240.657
p1-s1	SLU-248	Min M3	-17741.9	567.67	-673.661	-11.2616	-6044.2	5858.846
p1-s1	SLU-249	Max P	-16516.4	549.545	688.494	7.606	8424.708	5685.992
p1-s1	SLU-249	Min P	-19489.6	542.645	696.062	7.9929	4393.484	5613.54
p1-s1	SLU-249	Max M2	-17293.6	546.336	692.625	5.5912	9798.29	5652.295
p1-s1	SLU-249	Min M2	-18831.5	543.493	694.177	9.3143	3039.777	5622.448
p1-s1	SLU-249	Max M3	-18254.9	559.523	694.723	6.4494	6522.588	5790.764
p1-s1	SLU-249	Min M3	-18419	528.323	695.179	10.2994	6053.546	5463.16
p1-s1	SLU-250	Max P	-16560.7	549.565	697.356	5.3266	8536.203	5686.203
p1-s1	SLU-250	Min P	-19538.7	545.915	690.143	4.8447	12296.32	5647.875
p1-s1	SLU-250	Max M2	-18902.1	545.817	692.401	3.3394	13848.88	5646.854
p1-s1	SLU-250	Min M2	-17353	544.511	693.397	7.2507	7085.867	5633.14
p1-s1	SLU-250	Max M3	-18337.6	563.708	691.885	6.2811	10515.9	5834.709
p1-s1	SLU-250	Min M3	-18470.9	527.346	691.378	2.2786	10618.47	5452.899
p1-s1	SLU-251	Max P	-16510.5	591.9	-676.406	-5.8976	-8345.58	6113.251
p1-s1	SLU-251	Min P	-19483.8	584.999	-668.837	-5.5107	-12376.8	6040.799
p1-s1	SLU-251	Max M2	-17287.7	588.69	-672.274	-7.9124	-6972	6079.554
p1-s1	SLU-251	Min M2	-18825.6	585.848	-670.722	-4.1892	-13730.5	6049.708
p1-s1	SLU-251	Max M3	-18249	601.878	-670.176	-7.0542	-10247.7	6218.023
p1-s1	SLU-251	Min M3	-18413.2	570.677	-669.72	-3.2042	-10716.7	5890.419
p1-s1	SLU-252	Max P	-16554.8	591.92	-667.543	-8.177	-8234.08	6113.462
p1-s1	SLU-252	Min P	-19532.8	588.269	-674.756	-8.6589	-4473.97	6075.134
p1-s1	SLU-252	Max M2	-18896.3	588.172	-672.499	-10.1642	-2921.41	6074.113
p1-s1	SLU-252	Min M2	-17347.2	586.866	-671.502	-6.2529	-9684.42	6060.399
p1-s1	SLU-252	Max M3	-18331.8	606.063	-673.014	-7.2225	-6254.39	6261.969
p1-s1	SLU-252	Min M3	-18465	569.7	-673.522	-11.225	-6151.82	5880.158
p1-s1	SLU-253	Max P	-16161.8	552.063	688.512	7.513	8575.838	5712.435
p1-s1	SLU-253	Min P	-19135.1	545.163	696.081	7.8999	4544.614	5639.983
p1-s1	SLU-253	Max M2	-16939	548.854	692.644	5.4981	9949.421	5678.738
p1-s1	SLU-253	Min M2	-18476.9	546.012	694.196	9.2213	3190.907	5648.891
p1-s1	SLU-253	Max M3	-17900.3	562.042	694.742	6.3563	6673.718	5817.207
p1-s1	SLU-253	Min M3	-18064.5	530.841	695.198	10.2064	6204.676	5489.603
p1-s1	SLU-254	Max P	-16206.1	552.084	697.375	5.2335	8687.333	5712.646
p1-s1	SLU-254	Min P	-19184.1	548.433	690.162	4.7516	12447.45	5674.318
p1-s1	SLU-254	Max M2	-18547.6	548.336	692.42	3.2463	14000.01	5673.297

p1-s1	SLU-254	Min M2	-16998.5	547.03	693.416	7.1576	7236.998	5659.583
p1-s1	SLU-254	Max M3	-17983	566.227	691.904	6.188	10667.03	5861.152
p1-s1	SLU-254	Min M3	-18116.3	529.864	691.397	2.1855	10769.6	5479.342
p1-s1	SLU-255	Max P	-16156	594.418	-676.387	-5.9906	-8194.45	6139.694
p1-s1	SLU-255	Min P	-19129.2	587.518	-668.818	-5.6037	-12225.7	6067.242
p1-s1	SLU-255	Max M2	-16933.2	591.209	-672.255	-8.0054	-6820.87	6105.997
p1-s1	SLU-255	Min M2	-18471.1	588.366	-670.704	-4.2823	-13579.4	6076.151
p1-s1	SLU-255	Max M3	-17894.5	604.396	-670.157	-7.1473	-10096.6	6244.466
p1-s1	SLU-255	Min M3	-18058.6	573.196	-669.701	-3.2972	-10565.6	5916.862
p1-s1	SLU-256	Max P	-16200.2	594.438	-667.524	-8.2701	-8082.95	6139.905
p1-s1	SLU-256	Min P	-19178.2	590.788	-674.737	-8.752	-4322.84	6101.577
p1-s1	SLU-256	Max M2	-18541.7	590.69	-672.48	-10.2573	-2770.28	6100.556
p1-s1	SLU-256	Min M2	-16992.6	589.384	-671.483	-6.346	-9533.29	6086.842
p1-s1	SLU-256	Max M3	-17977.2	608.581	-672.995	-7.3156	-6103.26	6288.412
p1-s1	SLU-256	Min M3	-18110.4	572.219	-673.503	-11.3181	-6000.69	5906.601

12.1.2. PILA 1-SOLLECITAZIONI SEZIONE DI BASE-COMBINAZIONI SLV SISMICHE

TABLE: Element Forces - Frames								
Frame	OutputCase	StepType	P	V2	V3	T	M2	M3
Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
p1-s1	Comb-Sx-slv	Max	-11487.8	1530.389	407.327	4.5866	4272.393	13415.57
p1-s1	Comb-Sx-slv	Min	-12963.1	-1520.15	-407.121	-4.7469	-4188.8	-13308.1
p1-s1	Comb-Sy-slv	Max	-11504.7	530.067	1265.136	10.8124	13058.4	4711.858
p1-s1	Comb-Sy-slv	Min	-12946.3	-519.832	-1264.93	-10.9727	-12974.8	-4604.37
p1-s1	Comb-Sz-slv	Max	-10355.8	507.809	389.884	3.7151	4068.431	4511.546
p1-s1	Comb-Sz-slv	Min	-14095.2	-497.574	-389.679	-3.8754	-3984.84	-4404.06

12.1.3. PILA 1-SOLLECITAZIONI SEZIONE DI BASE-COMBINAZIONI SLE RARE

TABLE: Element Forces - Frames								
Frame	OutputCase	StepType	P	V2	V3	T	M2	M3
Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
p1-s1	SLE-R-1	Max P	-11902.8	-230.615	444.289	6.2752	5461.517	-2378.43
p1-s1	SLE-R-1	Min P	-16208.9	-240.75	455.105	7.4708	-192.347	-2484.85
p1-s1	SLE-R-1	Max M2	-13063.8	-234.745	450.239	3.1538	7610.683	-2421.81
p1-s1	SLE-R-1	Min M2	-15165.5	-238.95	451.372	9.9074	-2321.88	-2465.96
p1-s1	SLE-R-1	Max M3	-14218.7	-216.411	451.703	4.9712	2879.164	-2229.29
p1-s1	SLE-R-1	Min M3	-14552.7	-259.244	452.971	9.9104	2150.936	-2679.04
p1-s1	SLE-R-2	Max P	-11961.5	-230.551	456.478	3.2972	5615.397	-2377.76
p1-s1	SLE-R-2	Min P	-16295.2	-236.507	446.485	1.8129	10959.98	-2440.3
p1-s1	SLE-R-2	Max M2	-15294.3	-234.874	450.442	-0.7448	13310.74	-2423.15
p1-s1	SLE-R-2	Min M2	-13116.3	-237.271	450.841	6.2685	3365.599	-2448.32
p1-s1	SLE-R-2	Max M3	-14341.5	-210.979	450.104	4.323	8355.046	-2172.25
p1-s1	SLE-R-2	Min M3	-14615.5	-260.45	448.675	-0.8046	8518.455	-2691.7
p1-s1	SLE-R-3	Max P	-11898.9	-202.378	-465.644	-2.7272	-5718.67	-2093.59
p1-s1	SLE-R-3	Min P	-16205	-212.513	-454.828	-1.5316	-11372.5	-2200.01
p1-s1	SLE-R-3	Max M2	-13059.9	-206.509	-459.693	-5.8486	-3569.51	-2136.97

p1-s1	SLE-R-3	Min M2	-15161.6	-210.714	-458.56	0.905	-13502.1	-2181.12
p1-s1	SLE-R-3	Max M3	-14214.8	-188.174	-458.23	-4.0312	-8301.03	-1944.45
p1-s1	SLE-R-3	Min M3	-14548.8	-231.007	-456.961	0.908	-9029.26	-2394.2
p1-s1	SLE-R-4	Max P	-11957.6	-202.314	-453.455	-5.7052	-5564.79	-2092.92
p1-s1	SLE-R-4	Min P	-16291.3	-208.271	-463.448	-7.1895	-220.211	-2155.46
p1-s1	SLE-R-4	Max M2	-15290.4	-206.637	-459.491	-9.7472	2130.552	-2138.31
p1-s1	SLE-R-4	Min M2	-13112.4	-209.034	-459.092	-2.7339	-7814.59	-2163.48
p1-s1	SLE-R-4	Max M3	-14337.6	-182.742	-459.828	-4.6794	-2825.14	-1887.41
p1-s1	SLE-R-4	Min M3	-14611.6	-232.214	-461.258	-9.807	-2661.74	-2406.86
p1-s1	SLE-R-5	Max P	-11607.3	-228.516	444.305	6.1976	5587.459	-2356.4
p1-s1	SLE-R-5	Min P	-15913.5	-238.651	455.12	7.3932	-66.4051	-2462.81
p1-s1	SLE-R-5	Max M2	-12768.4	-232.647	450.255	3.0762	7736.625	-2399.77
p1-s1	SLE-R-5	Min M2	-14870	-236.852	451.388	9.8298	-2195.94	-2443.92
p1-s1	SLE-R-5	Max M3	-13923.2	-214.312	451.719	4.8936	3005.106	-2207.26
p1-s1	SLE-R-5	Min M3	-14257.2	-257.145	452.987	9.8329	2276.878	-2657
p1-s1	SLE-R-6	Max P	-11666	-228.452	456.494	3.2197	5741.339	-2355.73
p1-s1	SLE-R-6	Min P	-15999.7	-234.408	446.5	1.7353	11085.92	-2418.26
p1-s1	SLE-R-6	Max M2	-14998.8	-232.775	450.457	-0.8223	13436.69	-2401.12
p1-s1	SLE-R-6	Min M2	-12820.8	-235.172	450.857	6.1909	3491.541	-2426.29
p1-s1	SLE-R-6	Max M3	-14046.1	-208.88	450.12	4.2454	8480.988	-2150.22
p1-s1	SLE-R-6	Min M3	-14320.1	-258.351	448.69	-0.8822	8644.397	-2669.67
p1-s1	SLE-R-7	Max P	-11603.4	-200.28	-465.628	-2.8047	-5592.73	-2071.56
p1-s1	SLE-R-7	Min P	-15909.6	-210.415	-454.812	-1.6092	-11246.6	-2177.97
p1-s1	SLE-R-7	Max M2	-12764.5	-204.41	-459.678	-5.9262	-3443.57	-2114.93
p1-s1	SLE-R-7	Min M2	-14866.1	-208.615	-458.545	0.8274	-13376.1	-2159.08
p1-s1	SLE-R-7	Max M3	-13919.3	-186.076	-458.214	-4.1088	-8175.09	-1922.42
p1-s1	SLE-R-7	Min M3	-14253.3	-228.909	-456.946	0.8305	-8903.31	-2372.16
p1-s1	SLE-R-8	Max P	-11662.1	-200.216	-453.439	-5.7827	-5438.85	-2070.89
p1-s1	SLE-R-8	Min P	-15995.8	-206.172	-463.433	-7.2671	-94.2688	-2133.42
p1-s1	SLE-R-8	Max M2	-14994.9	-204.539	-459.475	-9.8247	2256.494	-2116.28
p1-s1	SLE-R-8	Min M2	-12816.9	-206.936	-459.076	-2.8114	-7688.65	-2141.45
p1-s1	SLE-R-8	Max M3	-14042.2	-180.644	-459.813	-4.7569	-2699.2	-1865.38
p1-s1	SLE-R-8	Min M3	-14316.2	-230.115	-461.242	-9.8846	-2535.79	-2384.83
p1-s1	SLE-R-9	Max P	-12050.2	-228.795	444.352	6.2526	5478.923	-2359.33
p1-s1	SLE-R-9	Min P	-16356.4	-238.931	455.168	7.4482	-174.941	-2465.75
p1-s1	SLE-R-9	Max M2	-13211.3	-232.926	450.303	3.1312	7628.089	-2402.7
p1-s1	SLE-R-9	Min M2	-15312.9	-237.131	451.436	9.8848	-2304.48	-2446.85
p1-s1	SLE-R-9	Max M3	-14366.1	-214.592	451.766	4.9486	2896.57	-2210.19
p1-s1	SLE-R-9	Min M3	-14700.2	-257.424	453.035	9.8878	2168.342	-2659.93
p1-s1	SLE-R-10	Max P	-12108.9	-228.731	456.541	3.2746	5632.803	-2358.66
p1-s1	SLE-R-10	Min P	-16442.6	-234.688	446.548	1.7903	10977.39	-2421.2
p1-s1	SLE-R-10	Max M2	-15441.7	-233.055	450.505	-0.7674	13328.15	-2404.05
p1-s1	SLE-R-10	Min M2	-13263.7	-235.451	450.904	6.2459	3383.005	-2429.22
p1-s1	SLE-R-10	Max M3	-14489	-209.159	450.168	4.3004	8372.452	-2153.15
p1-s1	SLE-R-10	Min M3	-14763	-258.631	448.738	-0.8272	8535.861	-2672.6
p1-s1	SLE-R-11	Max P	-12046.3	-200.559	-465.581	-2.7498	-5701.27	-2074.49
p1-s1	SLE-R-11	Min P	-16352.5	-210.694	-454.765	-1.5542	-11355.1	-2180.91
p1-s1	SLE-R-11	Max M2	-13207.4	-204.69	-459.63	-5.8712	-3552.1	-2117.86
p1-s1	SLE-R-11	Min M2	-15309	-208.895	-458.497	0.8824	-13484.7	-2162.01
p1-s1	SLE-R-11	Max M3	-14362.2	-186.355	-458.167	-4.0538	-8283.62	-1925.35
p1-s1	SLE-R-11	Min M3	-14696.3	-229.188	-456.898	0.8854	-9011.85	-2375.1

p1-s1	SLE-R-12	Max P	-12105	-200.495	-453.392	-5.7278	-5547.39	-2073.82
p1-s1	SLE-R-12	Min P	-16438.7	-206.451	-463.385	-7.2121	-202.805	-2136.36
p1-s1	SLE-R-12	Max M2	-15437.8	-204.818	-459.428	-9.7698	2147.958	-2119.21
p1-s1	SLE-R-12	Min M2	-13259.8	-207.215	-459.029	-2.7565	-7797.19	-2144.38
p1-s1	SLE-R-12	Max M3	-14485.1	-180.923	-459.765	-4.702	-2807.74	-1868.31
p1-s1	SLE-R-12	Min M3	-14759.1	-230.394	-461.195	-9.8296	-2644.33	-2387.76
p1-s1	SLE-R-13	Max P	-11754.8	-226.697	444.368	6.175	5604.865	-2337.3
p1-s1	SLE-R-13	Min P	-16060.9	-236.832	455.184	7.3706	-48.9992	-2443.71
p1-s1	SLE-R-13	Max M2	-12915.8	-230.827	450.318	3.0536	7754.031	-2380.67
p1-s1	SLE-R-13	Min M2	-15017.5	-235.032	451.451	9.8072	-2178.53	-2424.82
p1-s1	SLE-R-13	Max M3	-14070.6	-212.493	451.782	4.871	3022.512	-2188.15
p1-s1	SLE-R-13	Min M3	-14404.7	-255.326	453.05	9.8103	2294.284	-2637.9
p1-s1	SLE-R-14	Max P	-11813.5	-226.633	456.557	3.1971	5758.745	-2336.62
p1-s1	SLE-R-14	Min P	-16147.1	-232.589	446.563	1.7127	11103.33	-2399.16
p1-s1	SLE-R-14	Max M2	-15146.3	-230.956	450.521	-0.8449	13454.09	-2382.01
p1-s1	SLE-R-14	Min M2	-12968.3	-233.353	450.92	6.1683	3508.947	-2407.18
p1-s1	SLE-R-14	Max M3	-14193.5	-207.061	450.183	4.2228	8498.394	-2131.12
p1-s1	SLE-R-14	Min M3	-14467.5	-256.532	448.754	-0.9048	8661.803	-2650.56
p1-s1	SLE-R-15	Max P	-11750.9	-198.46	-465.565	-2.8273	-5575.33	-2052.46
p1-s1	SLE-R-15	Min P	-16057	-208.596	-454.749	-1.6318	-11229.2	-2158.87
p1-s1	SLE-R-15	Max M2	-12911.9	-202.591	-459.614	-5.9488	-3426.16	-2095.83
p1-s1	SLE-R-15	Min M2	-15013.5	-206.796	-458.481	0.8048	-13358.7	-2139.98
p1-s1	SLE-R-15	Max M3	-14066.7	-184.257	-458.151	-4.1314	-8157.68	-1903.31
p1-s1	SLE-R-15	Min M3	-14400.8	-227.089	-456.882	0.8079	-8885.91	-2353.06
p1-s1	SLE-R-16	Max P	-11809.6	-198.396	-453.376	-5.8053	-5421.45	-2051.78
p1-s1	SLE-R-16	Min P	-16143.2	-204.353	-463.369	-7.2897	-76.8628	-2114.32
p1-s1	SLE-R-16	Max M2	-15142.4	-202.72	-459.412	-9.8473	2273.9	-2097.17
p1-s1	SLE-R-16	Min M2	-12964.4	-205.116	-459.013	-2.834	-7671.24	-2122.34
p1-s1	SLE-R-16	Max M3	-14189.6	-178.824	-459.749	-4.7795	-2681.8	-1846.28
p1-s1	SLE-R-16	Min M3	-14463.6	-228.296	-461.179	-9.9072	-2518.39	-2365.72
p1-s1	SLE-R-17	Max P	-12080	29.139	435.027	7.1173	5312.015	348.9754
p1-s1	SLE-R-17	Min P	-14282.4	24.027	440.634	7.4039	2325.923	295.3075
p1-s1	SLE-R-17	Max M2	-12655.7	26.761	438.088	5.6249	6329.483	324.0149
p1-s1	SLE-R-17	Min M2	-13794.9	24.656	439.237	8.3827	1323.177	301.9063
p1-s1	SLE-R-17	Max M3	-13367.7	36.53	439.642	6.2605	3903.037	426.5842
p1-s1	SLE-R-17	Min M3	-13489.3	13.418	439.98	9.1124	3555.598	183.915
p1-s1	SLE-R-18	Max P	-12112.7	29.153	441.592	5.4288	5394.604	349.1316
p1-s1	SLE-R-18	Min P	-14318.7	26.449	436.249	5.0719	8179.873	320.7405
p1-s1	SLE-R-18	Max M2	-13847.2	26.377	437.921	3.9568	9329.92	319.9841
p1-s1	SLE-R-18	Min M2	-12699.7	25.41	438.66	6.8541	4320.281	309.826
p1-s1	SLE-R-18	Max M3	-13429	39.63	437.54	6.1359	6861.047	459.1366
p1-s1	SLE-R-18	Min M3	-13527.7	12.695	437.164	3.1711	6937.023	176.3141
p1-s1	SLE-R-19	Max P	-12076.1	57.375	-474.906	-1.8851	-5868.18	633.8149
p1-s1	SLE-R-19	Min P	-14278.4	52.264	-469.299	-1.5985	-8854.27	580.1469
p1-s1	SLE-R-19	Max M2	-12651.8	54.998	-471.845	-3.3775	-4850.71	608.8543
p1-s1	SLE-R-19	Min M2	-13791	52.892	-470.696	-0.6196	-9857.01	586.7457
p1-s1	SLE-R-19	Max M3	-13363.8	64.766	-470.291	-2.7418	-7277.15	711.4236
p1-s1	SLE-R-19	Min M3	-13485.4	41.655	-469.953	0.11	-7624.59	468.7544
p1-s1	SLE-R-20	Max P	-12108.8	57.39	-468.341	-3.5735	-5785.59	633.9711
p1-s1	SLE-R-20	Min P	-14314.8	54.686	-473.684	-3.9305	-3000.32	605.58
p1-s1	SLE-R-20	Max M2	-13843.3	54.614	-472.011	-5.0455	-1850.27	604.8236

p1-s1	SLE-R-20	Min M2	-12695.8	53.646	-471.273	-2.1483	-6859.91	594.6655
p1-s1	SLE-R-20	Max M3	-13425.1	67.866	-472.393	-2.8665	-4319.14	743.9761
p1-s1	SLE-R-20	Min M3	-13523.8	40.931	-472.769	-5.8313	-4243.17	461.1536
p1-s1	SLE-R-21	Max P	-11784.5	31.237	435.043	7.0398	5437.957	371.0112
p1-s1	SLE-R-21	Min P	-13986.9	26.126	440.649	7.3264	2451.865	317.3433
p1-s1	SLE-R-21	Max M2	-12360.2	28.86	438.103	5.5473	6455.425	346.0507
p1-s1	SLE-R-21	Min M2	-13499.4	26.754	439.253	8.3052	1449.119	323.9421
p1-s1	SLE-R-21	Max M3	-13072.3	38.628	439.657	6.183	4028.979	448.62
p1-s1	SLE-R-21	Min M3	-13193.9	15.517	439.995	9.0349	3681.54	205.9508
p1-s1	SLE-R-22	Max P	-11817.3	31.252	441.608	5.3513	5520.546	371.1674
p1-s1	SLE-R-22	Min P	-14023.2	28.548	436.265	4.9943	8305.815	342.7763
p1-s1	SLE-R-22	Max M2	-13551.7	28.476	437.937	3.8793	9455.862	342.0199
p1-s1	SLE-R-22	Min M2	-12404.2	27.509	438.675	6.7765	4446.223	331.8618
p1-s1	SLE-R-22	Max M3	-13133.5	41.729	437.555	6.0583	6986.989	481.1724
p1-s1	SLE-R-22	Min M3	-13232.2	14.793	437.179	3.0935	7062.965	198.3499
p1-s1	SLE-R-23	Max P	-11780.6	59.474	-474.89	-1.9626	-5742.23	655.8507
p1-s1	SLE-R-23	Min P	-13983	54.362	-469.283	-1.676	-8728.33	602.1827
p1-s1	SLE-R-23	Max M2	-12356.3	57.096	-471.83	-3.4551	-4724.77	630.8901
p1-s1	SLE-R-23	Min M2	-13495.5	54.991	-470.68	-0.6972	-9731.07	608.7815
p1-s1	SLE-R-23	Max M3	-13068.4	66.865	-470.275	-2.8194	-7151.21	733.4594
p1-s1	SLE-R-23	Min M3	-13190	43.753	-469.937	0.0325	-7498.65	490.7902
p1-s1	SLE-R-24	Max P	-11813.4	59.489	-468.325	-3.6511	-5659.65	656.0069
p1-s1	SLE-R-24	Min P	-14019.3	56.784	-473.668	-4.0081	-2874.38	627.6158
p1-s1	SLE-R-24	Max M2	-13547.8	56.712	-471.996	-5.1231	-1724.33	626.8594
p1-s1	SLE-R-24	Min M2	-12400.3	55.745	-471.257	-2.2258	-6733.97	616.7013
p1-s1	SLE-R-24	Max M3	-13129.6	69.965	-472.378	-2.9441	-4193.2	766.0119
p1-s1	SLE-R-24	Min M3	-13228.3	43.03	-472.753	-5.9089	-4117.23	483.1894
p1-s1	SLE-R-25	Max P	-12227.4	30.958	435.09	7.0947	5329.421	368.0774
p1-s1	SLE-R-25	Min P	-14429.8	25.846	440.697	7.3813	2343.329	314.4094
p1-s1	SLE-R-25	Max M2	-12803.1	28.581	438.151	5.6023	6346.889	343.1168
p1-s1	SLE-R-25	Min M2	-13942.3	26.475	439.3	8.3601	1340.583	321.0082
p1-s1	SLE-R-25	Max M3	-13515.2	38.349	439.705	6.2379	3920.443	445.6861
p1-s1	SLE-R-25	Min M3	-13636.8	15.238	440.043	9.0898	3573.004	203.0169
p1-s1	SLE-R-26	Max P	-12260.2	30.973	441.655	5.4062	5412.01	368.2336
p1-s1	SLE-R-26	Min P	-14466.1	28.269	436.312	5.0493	8197.279	339.8425
p1-s1	SLE-R-26	Max M2	-13994.6	28.197	437.984	3.9342	9347.326	339.0861
p1-s1	SLE-R-26	Min M2	-12847.1	27.229	438.723	6.8315	4337.687	328.928
p1-s1	SLE-R-26	Max M3	-13576.4	41.449	437.603	6.1133	6878.453	478.2386
p1-s1	SLE-R-26	Min M3	-13675.2	14.514	437.227	3.1484	6954.429	195.4161
p1-s1	SLE-R-27	Max P	-12223.5	59.194	-474.842	-1.9077	-5850.77	652.9168
p1-s1	SLE-R-27	Min P	-14425.9	54.083	-469.236	-1.6211	-8836.86	599.2489
p1-s1	SLE-R-27	Max M2	-12799.2	56.817	-471.782	-3.4001	-4833.3	627.9562
p1-s1	SLE-R-27	Min M2	-13938.4	54.711	-470.633	-0.6422	-9839.61	605.8476
p1-s1	SLE-R-27	Max M3	-13511.3	66.585	-470.228	-2.7644	-7259.75	730.5256
p1-s1	SLE-R-27	Min M3	-13632.9	43.474	-469.89	0.0874	-7607.19	487.8564
p1-s1	SLE-R-28	Max P	-12256.3	59.209	-468.278	-3.5962	-5768.18	653.073
p1-s1	SLE-R-28	Min P	-14462.2	56.505	-473.621	-3.9531	-2982.91	624.6819
p1-s1	SLE-R-28	Max M2	-13990.7	56.433	-471.948	-5.0682	-1832.87	623.9255
p1-s1	SLE-R-28	Min M2	-12843.2	55.466	-471.21	-2.1709	-6842.5	613.7674
p1-s1	SLE-R-28	Max M3	-13572.5	69.686	-472.33	-2.8891	-4301.74	763.078
p1-s1	SLE-R-28	Min M3	-13671.3	42.75	-472.706	-5.8539	-4225.76	480.2555

p1-s1	SLE-R-29	Max P	-11931.9	33.056	435.106	7.0172	5455.363	390.1132
p1-s1	SLE-R-29	Min P	-14134.3	27.945	440.713	7.3038	2469.271	336.4452
p1-s1	SLE-R-29	Max M2	-12507.6	30.679	438.166	5.5247	6472.831	365.1526
p1-s1	SLE-R-29	Min M2	-13646.8	28.574	439.316	8.2826	1466.525	343.044
p1-s1	SLE-R-29	Max M3	-13219.7	40.448	439.721	6.1604	4046.385	467.7219
p1-s1	SLE-R-29	Min M3	-13341.3	17.336	440.058	9.0123	3698.946	225.0527
p1-s1	SLE-R-30	Max P	-11964.7	33.071	441.671	5.3287	5537.952	390.2694
p1-s1	SLE-R-30	Min P	-14170.6	30.367	436.328	4.9717	8323.221	361.8783
p1-s1	SLE-R-30	Max M2	-13699.1	30.295	438	3.8567	9473.268	361.1219
p1-s1	SLE-R-30	Min M2	-12551.7	29.328	438.738	6.7539	4463.629	350.9638
p1-s1	SLE-R-30	Max M3	-13281	43.548	437.618	6.0357	7004.395	500.2744
p1-s1	SLE-R-30	Min M3	-13379.7	16.612	437.242	3.0709	7080.371	217.4519
p1-s1	SLE-R-31	Max P	-11928	61.293	-474.827	-1.9852	-5724.83	674.9526
p1-s1	SLE-R-31	Min P	-14130.4	56.181	-469.22	-1.6986	-8710.92	621.2847
p1-s1	SLE-R-31	Max M2	-12503.7	58.916	-471.766	-3.4777	-4707.36	649.992
p1-s1	SLE-R-31	Min M2	-13642.9	56.81	-470.617	-0.7198	-9713.67	627.8834
p1-s1	SLE-R-31	Max M3	-13215.8	68.684	-470.212	-2.842	-7133.81	752.5614
p1-s1	SLE-R-31	Min M3	-13337.4	45.573	-469.874	0.0099	-7481.24	509.8922
p1-s1	SLE-R-32	Max P	-11960.8	61.308	-468.262	-3.6737	-5642.24	675.1088
p1-s1	SLE-R-32	Min P	-14166.7	58.604	-473.605	-4.0307	-2856.97	646.7177
p1-s1	SLE-R-32	Max M2	-13695.2	58.532	-471.933	-5.1457	-1706.92	645.9613
p1-s1	SLE-R-32	Min M2	-12547.8	57.564	-471.194	-2.2484	-6716.56	635.8032
p1-s1	SLE-R-32	Max M3	-13277.1	71.784	-472.314	-2.9667	-4175.8	785.1138
p1-s1	SLE-R-32	Min M3	-13375.8	44.849	-472.69	-5.9315	-4099.82	502.2913
p1-s1	SLE-R-33	Max P	-12081.5	-495.563	459.596	3.9928	5632.005	-5160.39
p1-s1	SLE-R-33	Min P	-14283.9	-500.674	465.203	4.2794	2645.914	-5214.06
p1-s1	SLE-R-33	Max M2	-12657.2	-497.94	462.657	2.5003	6649.474	-5185.35
p1-s1	SLE-R-33	Min M2	-13796.4	-500.046	463.806	5.2582	1643.168	-5207.46
p1-s1	SLE-R-33	Max M3	-13369.3	-488.172	464.211	3.136	4223.028	-5082.78
p1-s1	SLE-R-33	Min M3	-13490.8	-511.283	464.549	5.9879	3875.589	-5325.45
p1-s1	SLE-R-34	Max P	-12114.3	-495.548	466.161	2.3043	5714.594	-5160.23
p1-s1	SLE-R-34	Min P	-14320.2	-498.252	460.818	1.9473	8499.864	-5188.62
p1-s1	SLE-R-34	Max M2	-13848.7	-498.324	462.49	0.8323	9649.91	-5189.38
p1-s1	SLE-R-34	Min M2	-12701.2	-499.291	463.229	3.7295	4640.272	-5199.54
p1-s1	SLE-R-34	Max M3	-13430.5	-485.071	462.109	3.0113	7181.038	-5050.23
p1-s1	SLE-R-34	Min M3	-13529.2	-512.007	461.733	0.0465	7257.013	-5333.05
p1-s1	SLE-R-35	Max P	-12077.6	-467.326	-450.337	-5.0096	-5548.19	-4875.55
p1-s1	SLE-R-35	Min P	-14280	-472.438	-444.73	-4.723	-8534.28	-4929.22
p1-s1	SLE-R-35	Max M2	-12653.3	-469.704	-447.276	-6.5021	-4530.72	-4900.51
p1-s1	SLE-R-35	Min M2	-13792.5	-471.809	-446.127	-3.7442	-9537.02	-4922.62
p1-s1	SLE-R-35	Max M3	-13365.4	-459.935	-445.722	-5.8664	-6957.16	-4797.94
p1-s1	SLE-R-35	Min M3	-13486.9	-483.047	-445.384	-3.0145	-7304.6	-5040.61
p1-s1	SLE-R-36	Max P	-12110.4	-467.311	-443.772	-6.6981	-5465.6	-4875.39
p1-s1	SLE-R-36	Min P	-14316.3	-470.016	-449.115	-7.0551	-2680.33	-4903.78
p1-s1	SLE-R-36	Max M2	-13844.8	-470.088	-447.442	-8.1701	-1530.28	-4904.54
p1-s1	SLE-R-36	Min M2	-12697.3	-471.055	-446.704	-5.2728	-6539.92	-4914.7
p1-s1	SLE-R-36	Max M3	-13426.6	-456.835	-447.824	-5.9911	-3999.15	-4765.39
p1-s1	SLE-R-36	Min M3	-13525.3	-483.77	-448.2	-8.9559	-3923.18	-5048.21
p1-s1	SLE-R-37	Max P	-11786	-493.464	459.612	3.9152	5757.948	-5138.35
p1-s1	SLE-R-37	Min P	-13988.4	-498.575	465.219	4.2018	2771.856	-5192.02
p1-s1	SLE-R-37	Max M2	-12361.7	-495.841	462.672	2.4228	6775.416	-5163.31

p1-s1	SLE-R-37	Min M2	-13500.9	-497.947	463.822	5.1806	1769.11	-5185.42
p1-s1	SLE-R-37	Max M3	-13073.8	-486.073	464.227	3.0584	4348.97	-5060.74
p1-s1	SLE-R-37	Min M3	-13195.4	-509.184	464.564	5.9103	4001.531	-5303.41
p1-s1	SLE-R-38	Max P	-11818.8	-493.449	466.177	2.2267	5840.536	-5138.2
p1-s1	SLE-R-38	Min P	-14024.7	-496.153	460.834	1.8698	8625.806	-5166.59
p1-s1	SLE-R-38	Max M2	-13553.2	-496.225	462.506	0.7547	9775.852	-5167.34
p1-s1	SLE-R-38	Min M2	-12405.8	-497.193	463.244	3.652	4766.214	-5177.5
p1-s1	SLE-R-38	Max M3	-13135.1	-482.973	462.124	2.9338	7306.98	-5028.19
p1-s1	SLE-R-38	Min M3	-13233.8	-509.908	461.748	-0.031	7382.955	-5311.01
p1-s1	SLE-R-39	Max P	-11782.1	-465.228	-450.321	-5.0872	-5422.24	-4853.51
p1-s1	SLE-R-39	Min P	-13984.5	-470.339	-444.714	-4.8006	-8408.34	-4907.18
p1-s1	SLE-R-39	Max M2	-12357.8	-467.605	-447.26	-6.5796	-4404.78	-4878.47
p1-s1	SLE-R-39	Min M2	-13497	-469.711	-446.111	-3.8217	-9411.08	-4900.58
p1-s1	SLE-R-39	Max M3	-13069.9	-457.836	-445.706	-5.9439	-6831.22	-4775.9
p1-s1	SLE-R-39	Min M3	-13191.5	-480.948	-445.368	-3.0921	-7178.66	-5018.57
p1-s1	SLE-R-40	Max P	-11814.9	-465.213	-443.756	-6.7756	-5339.65	-4853.36
p1-s1	SLE-R-40	Min P	-14020.8	-467.917	-449.099	-7.1326	-2554.39	-4881.75
p1-s1	SLE-R-40	Max M2	-13549.3	-467.989	-447.427	-8.2476	-1404.34	-4882.5
p1-s1	SLE-R-40	Min M2	-12401.9	-468.956	-446.688	-5.3504	-6413.98	-4892.66
p1-s1	SLE-R-40	Max M3	-13131.2	-454.736	-447.808	-6.0686	-3873.21	-4743.35
p1-s1	SLE-R-40	Min M3	-13229.9	-481.672	-448.184	-9.0334	-3797.24	-5026.17
p1-s1	SLE-R-41	Max P	-12228.9	-493.744	459.659	3.9702	5649.411	-5141.29
p1-s1	SLE-R-41	Min P	-14431.3	-498.855	465.266	4.2568	2663.32	-5194.95
p1-s1	SLE-R-41	Max M2	-12804.6	-496.121	462.72	2.4777	6666.88	-5166.25
p1-s1	SLE-R-41	Min M2	-13943.8	-498.226	463.869	5.2356	1660.574	-5188.36
p1-s1	SLE-R-41	Max M3	-13516.7	-486.352	464.274	3.1134	4240.434	-5063.68
p1-s1	SLE-R-41	Min M3	-13638.3	-509.464	464.612	5.9653	3892.995	-5306.35
p1-s1	SLE-R-42	Max P	-12261.7	-493.729	466.224	2.2817	5732	-5141.13
p1-s1	SLE-R-42	Min P	-14467.6	-496.433	460.881	1.9247	8517.27	-5169.52
p1-s1	SLE-R-42	Max M2	-13996.1	-496.505	462.554	0.8097	9667.316	-5170.28
p1-s1	SLE-R-42	Min M2	-12848.7	-497.472	463.292	3.7069	4657.678	-5180.44
p1-s1	SLE-R-42	Max M3	-13578	-483.252	462.172	2.9887	7198.444	-5031.13
p1-s1	SLE-R-42	Min M3	-13676.7	-510.188	461.796	0.0239	7274.419	-5313.95
p1-s1	SLE-R-43	Max P	-12225	-465.507	-450.273	-5.0322	-5530.78	-4856.45
p1-s1	SLE-R-43	Min P	-14427.4	-470.619	-444.667	-4.7456	-8516.87	-4910.12
p1-s1	SLE-R-43	Max M2	-12800.7	-467.884	-447.213	-6.5247	-4513.31	-4881.41
p1-s1	SLE-R-43	Min M2	-13939.9	-469.99	-446.064	-3.7668	-9519.62	-4903.52
p1-s1	SLE-R-43	Max M3	-13512.8	-458.116	-445.659	-5.889	-6939.76	-4778.84
p1-s1	SLE-R-43	Min M3	-13634.4	-481.227	-445.321	-3.0371	-7287.2	-5021.51
p1-s1	SLE-R-44	Max P	-12257.8	-465.492	-443.709	-6.7207	-5448.19	-4856.29
p1-s1	SLE-R-44	Min P	-14463.7	-468.196	-449.052	-7.0777	-2662.92	-4884.68
p1-s1	SLE-R-44	Max M2	-13992.2	-468.268	-447.379	-8.1927	-1512.87	-4885.44
p1-s1	SLE-R-44	Min M2	-12844.8	-469.236	-446.641	-5.2954	-6522.51	-4895.6
p1-s1	SLE-R-44	Max M3	-13574.1	-455.016	-447.761	-6.0137	-3981.75	-4746.29
p1-s1	SLE-R-44	Min M3	-13672.8	-481.951	-448.137	-8.9785	-3905.77	-5029.11
p1-s1	SLE-R-45	Max P	-11933.5	-491.645	459.675	3.8926	5775.354	-5119.25
p1-s1	SLE-R-45	Min P	-14135.8	-496.756	465.282	4.1792	2789.262	-5172.92
p1-s1	SLE-R-45	Max M2	-12509.2	-494.022	462.736	2.4002	6792.822	-5144.21
p1-s1	SLE-R-45	Min M2	-13648.3	-496.128	463.885	5.158	1786.516	-5166.32
p1-s1	SLE-R-45	Max M3	-13221.2	-484.254	464.29	3.0358	4366.376	-5041.64
p1-s1	SLE-R-45	Min M3	-13342.8	-507.365	464.628	5.8877	4018.937	-5284.31

p1-s1	SLE-R-46	Max P	-11966.2	-491.63	466.24	2.2041	5857.942	-5119.09
p1-s1	SLE-R-46	Min P	-14172.2	-494.334	460.897	1.8472	8643.212	-5147.49
p1-s1	SLE-R-46	Max M2	-13700.7	-494.406	462.569	0.7321	9793.258	-5148.24
p1-s1	SLE-R-46	Min M2	-12553.2	-495.373	463.308	3.6294	4783.62	-5158.4
p1-s1	SLE-R-46	Max M3	-13282.5	-481.153	462.188	2.9112	7324.386	-5009.09
p1-s1	SLE-R-46	Min M3	-13381.2	-508.089	461.812	-0.0537	7400.361	-5291.91
p1-s1	SLE-R-47	Max P	-11929.6	-463.408	-450.258	-5.1098	-5404.84	-4834.41
p1-s1	SLE-R-47	Min P	-14131.9	-468.52	-444.651	-4.8232	-8390.93	-4888.08
p1-s1	SLE-R-47	Max M2	-12505.3	-465.786	-447.197	-6.6022	-4387.37	-4859.37
p1-s1	SLE-R-47	Min M2	-13644.4	-467.891	-446.048	-3.8443	-9393.68	-4881.48
p1-s1	SLE-R-47	Max M3	-13217.3	-456.017	-445.643	-5.9665	-6813.82	-4756.8
p1-s1	SLE-R-47	Min M3	-13338.9	-479.129	-445.305	-3.1147	-7161.25	-4999.47
p1-s1	SLE-R-48	Max P	-11962.3	-463.394	-443.693	-6.7983	-5322.25	-4834.26
p1-s1	SLE-R-48	Min P	-14168.3	-466.098	-449.036	-7.1552	-2536.98	-4862.65
p1-s1	SLE-R-48	Max M2	-13696.8	-466.17	-447.363	-8.2702	-1386.93	-4863.4
p1-s1	SLE-R-48	Min M2	-12549.3	-467.137	-446.625	-5.373	-6396.57	-4873.56
p1-s1	SLE-R-48	Max M3	-13278.6	-452.917	-447.745	-6.0912	-3855.81	-4724.25
p1-s1	SLE-R-48	Min M3	-13377.3	-479.853	-448.121	-9.056	-3779.83	-5007.07
p1-s1	SLE-R-49	Max P	-12081.3	-235.303	545.755	-8.0642	6769.197	-2427.66
p1-s1	SLE-R-49	Min P	-14283.7	-240.414	551.362	-7.7776	3783.105	-2481.33
p1-s1	SLE-R-49	Max M2	-12657	-237.68	548.815	-9.5567	7786.666	-2452.62
p1-s1	SLE-R-49	Min M2	-13796.2	-239.786	549.965	-6.7988	2780.359	-2474.73
p1-s1	SLE-R-49	Max M3	-13369.1	-227.911	550.37	-8.921	5360.22	-2350.05
p1-s1	SLE-R-49	Min M3	-13490.7	-251.023	550.707	-6.0691	5012.781	-2592.72
p1-s1	SLE-R-50	Max P	-12114.1	-235.288	552.32	-9.7527	6851.786	-2427.5
p1-s1	SLE-R-50	Min P	-14320	-237.992	546.977	-10.1096	9637.056	-2455.89
p1-s1	SLE-R-50	Max M2	-13848.5	-238.064	548.649	-11.2247	10787.1	-2456.65
p1-s1	SLE-R-50	Min M2	-12701	-239.031	549.387	-8.3274	5777.464	-2466.81
p1-s1	SLE-R-50	Max M3	-13430.3	-224.811	548.267	-9.0456	8318.23	-2317.5
p1-s1	SLE-R-50	Min M3	-13529.1	-251.747	547.891	-12.0105	8394.205	-2600.32
p1-s1	SLE-R-51	Max P	-12077.4	-207.066	-364.178	-17.0666	-4410.99	-2142.82
p1-s1	SLE-R-51	Min P	-14279.8	-212.178	-358.571	-16.78	-7397.09	-2196.49
p1-s1	SLE-R-51	Max M2	-12653.1	-209.443	-361.117	-18.5591	-3393.53	-2167.78
p1-s1	SLE-R-51	Min M2	-13792.3	-211.549	-359.968	-15.8012	-8399.83	-2189.89
p1-s1	SLE-R-51	Max M3	-13365.2	-199.675	-359.563	-17.9234	-5819.97	-2065.21
p1-s1	SLE-R-51	Min M3	-13486.8	-222.786	-359.225	-15.0715	-6167.41	-2307.88
p1-s1	SLE-R-52	Max P	-12110.2	-207.051	-357.613	-18.7551	-4328.41	-2142.66
p1-s1	SLE-R-52	Min P	-14316.1	-209.755	-362.956	-19.112	-1543.14	-2171.05
p1-s1	SLE-R-52	Max M2	-13844.6	-209.827	-361.284	-20.2271	-393.089	-2171.81
p1-s1	SLE-R-52	Min M2	-12697.1	-210.795	-360.545	-17.3298	-5402.73	-2181.97
p1-s1	SLE-R-52	Max M3	-13426.4	-196.575	-361.665	-18.048	-2861.96	-2032.66
p1-s1	SLE-R-52	Min M3	-13525.2	-223.51	-362.041	-21.0129	-2785.99	-2315.48
p1-s1	SLE-R-53	Max P	-11785.8	-233.204	545.771	-8.1418	6895.139	-2405.62
p1-s1	SLE-R-53	Min P	-13988.2	-238.315	551.377	-7.8552	3909.048	-2459.29
p1-s1	SLE-R-53	Max M2	-12361.5	-235.581	548.831	-9.6342	7912.608	-2430.58
p1-s1	SLE-R-53	Min M2	-13500.7	-237.687	549.981	-6.8763	2906.302	-2452.69
p1-s1	SLE-R-53	Max M3	-13073.6	-225.813	550.385	-8.9985	5486.162	-2328.01
p1-s1	SLE-R-53	Min M3	-13195.2	-248.924	550.723	-6.1466	5138.723	-2570.68
p1-s1	SLE-R-54	Max P	-11818.6	-233.189	552.335	-9.8302	6977.728	-2405.47
p1-s1	SLE-R-54	Min P	-14024.5	-235.893	546.993	-10.1872	9762.998	-2433.86
p1-s1	SLE-R-54	Max M2	-13553	-235.965	548.665	-11.3022	10913.04	-2434.61

p1-s1	SLE-R-54	Min M2	-12405.6	-236.932	549.403	-8.405	5903.406	-2444.77
p1-s1	SLE-R-54	Max M3	-13134.9	-222.713	548.283	-9.1232	8444.172	-2295.46
p1-s1	SLE-R-54	Min M3	-13233.6	-249.648	547.907	-12.088	8520.147	-2578.28
p1-s1	SLE-R-55	Max P	-11781.9	-204.968	-364.162	-17.1441	-4285.05	-2120.78
p1-s1	SLE-R-55	Min P	-13984.3	-210.079	-358.556	-16.8576	-7271.14	-2174.45
p1-s1	SLE-R-55	Max M2	-12357.6	-207.345	-361.102	-18.6366	-3267.58	-2145.74
p1-s1	SLE-R-55	Min M2	-13496.8	-209.45	-359.952	-15.8787	-8273.89	-2167.85
p1-s1	SLE-R-55	Max M3	-13069.7	-197.576	-359.547	-18.0009	-5694.03	-2043.17
p1-s1	SLE-R-55	Min M3	-13191.3	-220.688	-359.21	-15.149	-6041.47	-2285.84
p1-s1	SLE-R-56	Max P	-11814.7	-204.953	-357.597	-18.8326	-4202.46	-2120.63
p1-s1	SLE-R-56	Min P	-14020.6	-207.657	-362.94	-19.1896	-1417.19	-2149.02
p1-s1	SLE-R-56	Max M2	-13549.1	-207.729	-361.268	-20.3046	-267.147	-2149.77
p1-s1	SLE-R-56	Min M2	-12401.7	-208.696	-360.53	-17.4074	-5276.79	-2159.93
p1-s1	SLE-R-56	Max M3	-13131	-194.476	-361.65	-18.1256	-2736.02	-2010.62
p1-s1	SLE-R-56	Min M3	-13229.7	-221.412	-362.026	-21.0904	-2660.04	-2293.44
p1-s1	SLE-R-57	Max P	-12228.7	-233.483	545.818	-8.0868	6786.603	-2408.56
p1-s1	SLE-R-57	Min P	-14431.1	-238.595	551.425	-7.8002	3800.511	-2462.22
p1-s1	SLE-R-57	Max M2	-12804.4	-235.861	548.879	-9.5793	7804.072	-2433.52
p1-s1	SLE-R-57	Min M2	-13943.6	-237.966	550.028	-6.8214	2797.765	-2455.62
p1-s1	SLE-R-57	Max M3	-13516.5	-226.092	550.433	-8.9436	5377.626	-2330.95
p1-s1	SLE-R-57	Min M3	-13638.1	-249.204	550.771	-6.0917	5030.187	-2573.62
p1-s1	SLE-R-58	Max P	-12261.5	-233.469	552.383	-9.7753	6869.192	-2408.4
p1-s1	SLE-R-58	Min P	-14467.4	-236.173	547.04	-10.1322	9654.462	-2436.79
p1-s1	SLE-R-58	Max M2	-13995.9	-236.245	548.712	-11.2473	10804.51	-2437.55
p1-s1	SLE-R-58	Min M2	-12848.5	-237.212	549.451	-8.35	5794.87	-2447.7
p1-s1	SLE-R-58	Max M3	-13577.8	-222.992	548.331	-9.0682	8335.636	-2298.39
p1-s1	SLE-R-58	Min M3	-13676.5	-249.927	547.955	-12.0331	8411.611	-2581.22
p1-s1	SLE-R-59	Max P	-12224.8	-205.247	-364.115	-17.0892	-4393.59	-2123.72
p1-s1	SLE-R-59	Min P	-14427.2	-210.358	-358.508	-16.8026	-7379.68	-2177.38
p1-s1	SLE-R-59	Max M2	-12800.5	-207.624	-361.054	-18.5817	-3376.12	-2148.68
p1-s1	SLE-R-59	Min M2	-13939.7	-209.73	-359.905	-15.8238	-8382.43	-2170.79
p1-s1	SLE-R-59	Max M3	-13512.6	-197.856	-359.5	-17.946	-5802.57	-2046.11
p1-s1	SLE-R-59	Min M3	-13634.2	-220.967	-359.162	-15.0941	-6150	-2288.78
p1-s1	SLE-R-60	Max P	-12257.6	-205.232	-357.55	-18.7777	-4311	-2123.56
p1-s1	SLE-R-60	Min P	-14463.5	-207.936	-362.893	-19.1346	-1525.73	-2151.95
p1-s1	SLE-R-60	Max M2	-13992	-208.008	-361.22	-20.2497	-375.683	-2152.71
p1-s1	SLE-R-60	Min M2	-12844.6	-208.976	-360.482	-17.3524	-5385.32	-2162.87
p1-s1	SLE-R-60	Max M3	-13573.9	-194.756	-361.602	-18.0706	-2844.56	-2013.55
p1-s1	SLE-R-60	Min M3	-13672.6	-221.691	-361.978	-21.0355	-2768.58	-2296.38
p1-s1	SLE-R-61	Max P	-11933.3	-231.385	545.834	-8.1644	6912.545	-2386.52
p1-s1	SLE-R-61	Min P	-14135.7	-236.496	551.44	-7.8778	3926.454	-2440.19
p1-s1	SLE-R-61	Max M2	-12509	-233.762	548.894	-9.6568	7930.014	-2411.48
p1-s1	SLE-R-61	Min M2	-13648.2	-235.868	550.044	-6.8989	2923.708	-2433.59
p1-s1	SLE-R-61	Max M3	-13221	-223.994	550.448	-9.0211	5503.568	-2308.91
p1-s1	SLE-R-61	Min M3	-13342.6	-247.105	550.786	-6.1693	5156.129	-2551.58
p1-s1	SLE-R-62	Max P	-11966	-231.37	552.399	-9.8528	6995.134	-2386.36
p1-s1	SLE-R-62	Min P	-14172	-234.074	547.056	-10.2098	9780.404	-2414.75
p1-s1	SLE-R-62	Max M2	-13700.5	-234.146	548.728	-11.3248	10930.45	-2415.51
p1-s1	SLE-R-62	Min M2	-12553	-235.113	549.466	-8.4276	5920.812	-2425.67
p1-s1	SLE-R-62	Max M3	-13282.3	-220.893	548.346	-9.1458	8461.578	-2276.36
p1-s1	SLE-R-62	Min M3	-13381	-247.829	547.97	-12.1106	8537.553	-2559.18

p1-s1	SLE-R-63	Max P	-11929.4	-203.148	-364.099	-17.1668	-4267.65	-2101.68
p1-s1	SLE-R-63	Min P	-14131.8	-208.26	-358.492	-16.8802	-7253.74	-2155.35
p1-s1	SLE-R-63	Max M2	-12505.1	-205.526	-361.038	-18.6592	-3250.18	-2126.64
p1-s1	SLE-R-63	Min M2	-13644.3	-207.631	-359.889	-15.9013	-8256.48	-2148.75
p1-s1	SLE-R-63	Max M3	-13217.1	-195.757	-359.484	-18.0235	-5676.62	-2024.07
p1-s1	SLE-R-63	Min M3	-13338.7	-218.868	-359.146	-15.1716	-6024.06	-2266.74
p1-s1	SLE-R-64	Max P	-11962.1	-203.133	-357.534	-18.8552	-4185.06	-2101.52
p1-s1	SLE-R-64	Min P	-14168.1	-205.838	-362.877	-19.2122	-1399.79	-2129.92
p1-s1	SLE-R-64	Max M2	-13696.6	-205.91	-361.205	-20.3272	-249.741	-2130.67
p1-s1	SLE-R-64	Min M2	-12549.1	-206.877	-360.466	-17.43	-5259.38	-2140.83
p1-s1	SLE-R-64	Max M3	-13278.4	-192.657	-361.587	-18.1482	-2718.61	-1991.52
p1-s1	SLE-R-64	Min M3	-13377.1	-219.592	-361.962	-21.113	-2642.64	-2274.34
p1-s1	SLE-R-65	Max P	-12080.6	-231.876	459.733	-3.6648	5622.871	-2391.68
p1-s1	SLE-R-65	Min P	-14283	-236.987	465.339	-3.3782	2636.779	-2445.35
p1-s1	SLE-R-65	Max M2	-12656.3	-234.253	462.793	-5.1572	6640.339	-2416.64
p1-s1	SLE-R-65	Min M2	-13795.5	-236.359	463.942	-2.3993	1634.033	-2438.75
p1-s1	SLE-R-65	Max M3	-13368.4	-224.485	464.347	-4.5215	4213.893	-2314.07
p1-s1	SLE-R-65	Min M3	-13490	-247.596	464.685	-1.6696	3866.454	-2556.74
p1-s1	SLE-R-66	Max P	-12113.4	-231.861	466.297	-5.3532	5705.46	-2391.52
p1-s1	SLE-R-66	Min P	-14319.4	-234.565	460.954	-5.7102	8490.729	-2419.91
p1-s1	SLE-R-66	Max M2	-13847.9	-234.637	462.627	-6.8252	9640.776	-2420.67
p1-s1	SLE-R-66	Min M2	-12700.4	-235.605	463.365	-3.928	4631.137	-2430.83
p1-s1	SLE-R-66	Max M3	-13429.7	-221.385	462.245	-4.6462	7171.903	-2281.52
p1-s1	SLE-R-66	Min M3	-13528.4	-248.32	461.869	-7.611	7247.879	-2564.34
p1-s1	SLE-R-67	Max P	-12076.7	-203.64	-450.2	-12.6671	-5557.32	-2106.84
p1-s1	SLE-R-67	Min P	-14279.1	-208.751	-444.594	-12.3805	-8543.41	-2160.51
p1-s1	SLE-R-67	Max M2	-12652.4	-206.017	-447.14	-14.1596	-4539.85	-2131.8
p1-s1	SLE-R-67	Min M2	-13791.6	-208.122	-445.99	-11.4017	-9546.16	-2153.91
p1-s1	SLE-R-67	Max M3	-13364.5	-196.248	-445.586	-13.5239	-6966.3	-2029.23
p1-s1	SLE-R-67	Min M3	-13486.1	-219.36	-445.248	-10.672	-7313.74	-2271.9
p1-s1	SLE-R-68	Max P	-12109.5	-203.625	-443.636	-14.3556	-5474.73	-2106.68
p1-s1	SLE-R-68	Min P	-14315.5	-206.329	-448.978	-14.7126	-2689.46	-2135.07
p1-s1	SLE-R-68	Max M2	-13844	-206.401	-447.306	-15.8276	-1539.42	-2135.83
p1-s1	SLE-R-68	Min M2	-12696.5	-207.368	-446.568	-12.9304	-6549.05	-2145.99
p1-s1	SLE-R-68	Max M3	-13425.8	-193.148	-447.688	-13.6486	-4008.29	-1996.68
p1-s1	SLE-R-68	Min M3	-13524.5	-220.084	-448.064	-16.6134	-3932.31	-2279.5
p1-s1	SLE-R-69	Max P	-11785.2	-229.777	459.748	-3.7423	5748.813	-2369.64
p1-s1	SLE-R-69	Min P	-13987.6	-234.889	465.355	-3.4557	2762.721	-2423.31
p1-s1	SLE-R-69	Max M2	-12360.9	-232.155	462.809	-5.2348	6766.281	-2394.6
p1-s1	SLE-R-69	Min M2	-13500.1	-234.26	463.958	-2.4769	1759.975	-2416.71
p1-s1	SLE-R-69	Max M3	-13072.9	-222.386	464.363	-4.5991	4339.835	-2292.03
p1-s1	SLE-R-69	Min M3	-13194.5	-245.497	464.701	-1.7472	3992.396	-2534.7
p1-s1	SLE-R-70	Max P	-11818	-229.762	466.313	-5.4308	5831.402	-2369.49
p1-s1	SLE-R-70	Min P	-14023.9	-232.466	460.97	-5.7877	8616.671	-2397.88
p1-s1	SLE-R-70	Max M2	-13552.4	-232.538	462.643	-6.9028	9766.718	-2398.63
p1-s1	SLE-R-70	Min M2	-12404.9	-233.506	463.381	-4.0055	4757.079	-2408.79
p1-s1	SLE-R-70	Max M3	-13134.2	-219.286	462.261	-4.7237	7297.845	-2259.48
p1-s1	SLE-R-70	Min M3	-13232.9	-246.221	461.885	-7.6886	7373.821	-2542.3
p1-s1	SLE-R-71	Max P	-11781.3	-201.541	-450.184	-12.7447	-5431.38	-2084.8
p1-s1	SLE-R-71	Min P	-13983.7	-206.652	-444.578	-12.4581	-8417.47	-2138.47
p1-s1	SLE-R-71	Max M2	-12357	-203.918	-447.124	-14.2372	-4413.91	-2109.76

p1-s1	SLE-R-71	Min M2	-13496.2	-206.024	-445.975	-11.4793	-9420.22	-2131.87
p1-s1	SLE-R-71	Max M3	-13069	-194.15	-445.57	-13.6015	-6840.36	-2007.19
p1-s1	SLE-R-71	Min M3	-13190.6	-217.261	-445.232	-10.7496	-7187.79	-2249.86
p1-s1	SLE-R-72	Max P	-11814.1	-201.526	-443.62	-14.4332	-5348.79	-2084.65
p1-s1	SLE-R-72	Min P	-14020	-204.23	-448.963	-14.7901	-2563.52	-2113.04
p1-s1	SLE-R-72	Max M2	-13548.5	-204.302	-447.29	-15.9052	-1413.47	-2113.79
p1-s1	SLE-R-72	Min M2	-12401	-205.269	-446.552	-13.0079	-6423.11	-2123.95
p1-s1	SLE-R-72	Max M3	-13130.3	-191.049	-447.672	-13.7261	-3882.35	-1974.64
p1-s1	SLE-R-72	Min M3	-13229	-217.985	-448.048	-16.691	-3806.37	-2257.46
p1-s1	SLE-R-73	Max P	-12228.1	-230.057	459.796	-3.6874	5640.277	-2372.58
p1-s1	SLE-R-73	Min P	-14430.5	-235.168	465.402	-3.4008	2654.185	-2426.24
p1-s1	SLE-R-73	Max M2	-12803.8	-232.434	462.856	-5.1798	6657.745	-2397.54
p1-s1	SLE-R-73	Min M2	-13943	-234.54	464.006	-2.4219	1651.439	-2419.64
p1-s1	SLE-R-73	Max M3	-13515.9	-222.666	464.41	-4.5441	4231.299	-2294.97
p1-s1	SLE-R-73	Min M3	-13637.4	-245.777	464.748	-1.6922	3883.86	-2537.64
p1-s1	SLE-R-74	Max P	-12260.9	-230.042	466.36	-5.3758	5722.866	-2372.42
p1-s1	SLE-R-74	Min P	-14466.8	-232.746	461.018	-5.7328	8508.135	-2400.81
p1-s1	SLE-R-74	Max M2	-13995.3	-232.818	462.69	-6.8478	9658.182	-2401.57
p1-s1	SLE-R-74	Min M2	-12847.8	-233.785	463.428	-3.9506	4648.543	-2411.72
p1-s1	SLE-R-74	Max M3	-13577.1	-219.565	462.308	-4.6688	7189.309	-2262.41
p1-s1	SLE-R-74	Min M3	-13675.8	-246.501	461.932	-7.6336	7265.285	-2545.24
p1-s1	SLE-R-75	Max P	-12224.2	-201.82	-450.137	-12.6897	-5539.91	-2087.74
p1-s1	SLE-R-75	Min P	-14426.6	-206.932	-444.531	-12.4032	-8526.01	-2141.4
p1-s1	SLE-R-75	Max M2	-12799.9	-204.198	-447.077	-14.1822	-4522.45	-2112.7
p1-s1	SLE-R-75	Min M2	-13939.1	-206.303	-445.927	-11.4243	-9528.75	-2134.81
p1-s1	SLE-R-75	Max M3	-13512	-194.429	-445.522	-13.5465	-6948.89	-2010.13
p1-s1	SLE-R-75	Min M3	-13633.5	-217.54	-445.185	-10.6946	-7296.33	-2252.8
p1-s1	SLE-R-76	Max P	-12257	-201.805	-443.572	-14.3782	-5457.33	-2087.58
p1-s1	SLE-R-76	Min P	-14462.9	-204.51	-448.915	-14.7352	-2672.06	-2115.97
p1-s1	SLE-R-76	Max M2	-13991.4	-204.582	-447.243	-15.8502	-1522.01	-2116.73
p1-s1	SLE-R-76	Min M2	-12843.9	-205.549	-446.505	-12.953	-6531.65	-2126.89
p1-s1	SLE-R-76	Max M3	-13573.2	-191.329	-447.625	-13.6712	-3990.88	-1977.57
p1-s1	SLE-R-76	Min M3	-13671.9	-218.264	-448.001	-16.636	-3914.91	-2260.4
p1-s1	SLE-R-77	Max P	-11932.6	-227.958	459.812	-3.7649	5766.219	-2350.54
p1-s1	SLE-R-77	Min P	-14135	-233.069	465.418	-3.4783	2780.127	-2404.21
p1-s1	SLE-R-77	Max M2	-12508.3	-230.335	462.872	-5.2574	6783.687	-2375.5
p1-s1	SLE-R-77	Min M2	-13647.5	-232.441	464.021	-2.4995	1777.381	-2397.61
p1-s1	SLE-R-77	Max M3	-13220.4	-220.567	464.426	-4.6217	4357.241	-2272.93
p1-s1	SLE-R-77	Min M3	-13342	-243.678	464.764	-1.7698	4009.802	-2515.6
p1-s1	SLE-R-78	Max P	-11965.4	-227.943	466.376	-5.4534	5848.808	-2350.38
p1-s1	SLE-R-78	Min P	-14171.3	-230.647	461.033	-5.8103	8634.077	-2378.77
p1-s1	SLE-R-78	Max M2	-13699.8	-230.719	462.706	-6.9254	9784.124	-2379.53
p1-s1	SLE-R-78	Min M2	-12552.4	-231.687	463.444	-4.0281	4774.485	-2389.69
p1-s1	SLE-R-78	Max M3	-13281.7	-217.467	462.324	-4.7463	7315.251	-2240.38
p1-s1	SLE-R-78	Min M3	-13380.4	-244.402	461.948	-7.7112	7391.227	-2523.2
p1-s1	SLE-R-79	Max P	-11928.7	-199.722	-450.121	-12.7673	-5413.97	-2065.7
p1-s1	SLE-R-79	Min P	-14131.1	-204.833	-444.515	-12.4807	-8400.06	-2119.37
p1-s1	SLE-R-79	Max M2	-12504.4	-202.099	-447.061	-14.2598	-4396.5	-2090.66
p1-s1	SLE-R-79	Min M2	-13643.6	-204.205	-445.911	-11.5019	-9402.81	-2112.77
p1-s1	SLE-R-79	Max M3	-13216.5	-192.33	-445.507	-13.6241	-6822.95	-1988.09
p1-s1	SLE-R-79	Min M3	-13338.1	-215.442	-445.169	-10.7722	-7170.39	-2230.76

p1-s1	SLE-R-80	Max P	-11961.5	-199.707	-443.557	-14.4558	-5331.38	-2065.54
p1-s1	SLE-R-80	Min P	-14167.4	-202.411	-448.9	-14.8127	-2546.11	-2093.93
p1-s1	SLE-R-80	Max M2	-13695.9	-202.483	-447.227	-15.9278	-1396.07	-2094.69
p1-s1	SLE-R-80	Min M2	-12548.5	-203.45	-446.489	-13.0305	-6405.71	-2104.85
p1-s1	SLE-R-80	Max M3	-13277.8	-189.23	-447.609	-13.7487	-3864.94	-1955.54
p1-s1	SLE-R-80	Min M3	-13376.5	-216.166	-447.985	-16.7136	-3788.96	-2238.36
p1-s1	SLE-R-81	Max P	-12081.7	-243.765	750.598	8.5826	9175.342	-2512.63
p1-s1	SLE-R-81	Min P	-14284	-248.876	756.204	8.8692	6189.25	-2566.3
p1-s1	SLE-R-81	Max M2	-12657.4	-246.142	753.658	7.0902	10192.81	-2537.59
p1-s1	SLE-R-81	Min M2	-13796.6	-248.247	754.808	9.8481	5186.504	-2559.7
p1-s1	SLE-R-81	Max M3	-13369.4	-236.373	755.212	7.7259	7766.364	-2435.02
p1-s1	SLE-R-81	Min M3	-13491	-259.485	755.55	10.5777	7418.925	-2677.69
p1-s1	SLE-R-82	Max P	-12114.4	-243.75	757.162	6.8942	9257.931	-2512.47
p1-s1	SLE-R-82	Min P	-14320.4	-246.454	751.819	6.5372	12043.2	-2540.86
p1-s1	SLE-R-82	Max M2	-13848.9	-246.526	753.492	5.4222	13193.25	-2541.62
p1-s1	SLE-R-82	Min M2	-12701.4	-247.493	754.23	8.3194	8183.608	-2551.78
p1-s1	SLE-R-82	Max M3	-13430.7	-233.273	753.11	7.6012	10724.37	-2402.47
p1-s1	SLE-R-82	Min M3	-13529.4	-260.209	752.734	4.6364	10800.35	-2685.29
p1-s1	SLE-R-83	Max P	-12075.2	-196.704	-765.957	-6.4213	-9458.31	-2037.89
p1-s1	SLE-R-83	Min P	-14277.5	-201.815	-760.35	-6.1347	-12444.4	-2091.56
p1-s1	SLE-R-83	Max M2	-12650.9	-199.081	-762.897	-7.9138	-8440.84	-2062.86
p1-s1	SLE-R-83	Min M2	-13790.1	-201.187	-761.747	-5.1559	-13447.1	-2084.96
p1-s1	SLE-R-83	Max M3	-13362.9	-189.313	-761.342	-7.2781	-10867.3	-1960.29
p1-s1	SLE-R-83	Min M3	-13484.5	-212.424	-761.005	-4.4262	-11214.7	-2202.96
p1-s1	SLE-R-84	Max P	-12107.9	-196.689	-759.392	-8.1098	-9375.72	-2037.74
p1-s1	SLE-R-84	Min P	-14313.9	-199.393	-764.735	-8.4668	-6590.45	-2066.13
p1-s1	SLE-R-84	Max M2	-13842.4	-199.465	-763.063	-9.5818	-5440.41	-2066.89
p1-s1	SLE-R-84	Min M2	-12694.9	-200.433	-762.325	-6.6846	-10450	-2077.04
p1-s1	SLE-R-84	Max M3	-13424.2	-186.213	-763.445	-7.4028	-7909.28	-1927.73
p1-s1	SLE-R-84	Min M3	-13522.9	-213.148	-763.821	-10.3676	-7833.3	-2210.56
p1-s1	SLE-R-85	Max P	-11786.2	-241.666	750.613	8.5051	9301.284	-2490.59
p1-s1	SLE-R-85	Min P	-13988.6	-246.777	756.22	8.7917	6315.192	-2544.26
p1-s1	SLE-R-85	Max M2	-12361.9	-244.043	753.674	7.0126	10318.75	-2515.55
p1-s1	SLE-R-85	Min M2	-13501.1	-246.149	754.823	9.7705	5312.446	-2537.66
p1-s1	SLE-R-85	Max M3	-13074	-234.275	755.228	7.6483	7892.306	-2412.98
p1-s1	SLE-R-85	Min M3	-13195.5	-257.386	755.566	10.5002	7544.867	-2655.65
p1-s1	SLE-R-86	Max P	-11819	-241.651	757.178	6.8166	9383.873	-2490.44
p1-s1	SLE-R-86	Min P	-14024.9	-244.355	751.835	6.4597	12169.14	-2518.83
p1-s1	SLE-R-86	Max M2	-13553.4	-244.427	753.508	5.3446	13319.19	-2519.58
p1-s1	SLE-R-86	Min M2	-12405.9	-245.394	754.246	8.2419	8309.55	-2529.74
p1-s1	SLE-R-86	Max M3	-13135.2	-231.174	753.126	7.5237	10850.32	-2380.43
p1-s1	SLE-R-86	Min M3	-13233.9	-258.11	752.75	4.5588	10926.29	-2663.25
p1-s1	SLE-R-87	Max P	-11779.7	-194.605	-765.941	-6.4989	-9332.37	-2015.86
p1-s1	SLE-R-87	Min P	-13982.1	-199.717	-760.335	-6.2123	-12318.5	-2069.53
p1-s1	SLE-R-87	Max M2	-12355.4	-196.983	-762.881	-7.9914	-8314.9	-2040.82
p1-s1	SLE-R-87	Min M2	-13494.6	-199.088	-761.731	-5.2335	-13321.2	-2062.93
p1-s1	SLE-R-87	Max M3	-13067.5	-187.214	-761.327	-7.3557	-10741.3	-1938.25
p1-s1	SLE-R-87	Min M3	-13189	-210.325	-760.989	-4.5038	-11088.8	-2180.92
p1-s1	SLE-R-88	Max P	-11812.5	-194.59	-759.377	-8.1874	-9249.78	-2015.7
p1-s1	SLE-R-88	Min P	-14018.4	-197.295	-764.719	-8.5443	-6464.51	-2044.09
p1-s1	SLE-R-88	Max M2	-13546.9	-197.366	-763.047	-9.6594	-5314.46	-2044.85

p1-s1	SLE-R-88	Min M2	-12399.4	-198.334	-762.309	-6.7621	-10324.1	-2055.01
p1-s1	SLE-R-88	Max M3	-13128.7	-184.114	-763.429	-7.4803	-7783.34	-1905.7
p1-s1	SLE-R-88	Min M3	-13227.4	-211.049	-763.805	-10.4452	-7707.36	-2188.52
p1-s1	SLE-R-89	Max P	-12229.1	-241.945	750.661	8.56	9192.748	-2493.53
p1-s1	SLE-R-89	Min P	-14431.5	-247.057	756.267	8.8466	6206.656	-2547.19
p1-s1	SLE-R-89	Max M2	-12804.8	-244.323	753.721	7.0676	10210.22	-2518.49
p1-s1	SLE-R-89	Min M2	-13944	-246.428	754.871	9.8255	5203.91	-2540.59
p1-s1	SLE-R-89	Max M3	-13516.9	-234.554	755.275	7.7033	7783.77	-2415.92
p1-s1	SLE-R-89	Min M3	-13638.5	-257.666	755.613	10.5551	7436.331	-2658.59
p1-s1	SLE-R-90	Max P	-12261.9	-241.93	757.226	6.8716	9275.337	-2493.37
p1-s1	SLE-R-90	Min P	-14467.8	-244.635	751.883	6.5146	12060.61	-2521.76
p1-s1	SLE-R-90	Max M2	-13996.3	-244.707	753.555	5.3996	13210.65	-2522.52
p1-s1	SLE-R-90	Min M2	-12848.8	-245.674	754.293	8.2968	8201.014	-2532.67
p1-s1	SLE-R-90	Max M3	-13578.1	-231.454	753.173	7.5786	10741.78	-2383.36
p1-s1	SLE-R-90	Min M3	-13676.9	-258.389	752.797	4.6138	10817.76	-2666.19
p1-s1	SLE-R-91	Max P	-12222.6	-194.885	-765.894	-6.444	-9440.9	-2018.79
p1-s1	SLE-R-91	Min P	-14425	-199.996	-760.287	-6.1574	-12427	-2072.46
p1-s1	SLE-R-91	Max M2	-12798.3	-197.262	-762.833	-7.9364	-8423.44	-2043.75
p1-s1	SLE-R-91	Min M2	-13937.5	-199.368	-761.684	-5.1785	-13429.7	-2065.86
p1-s1	SLE-R-91	Max M3	-13510.4	-187.494	-761.279	-7.3007	-10849.9	-1941.18
p1-s1	SLE-R-91	Min M3	-13632	-210.605	-760.941	-4.4488	-11197.3	-2183.85
p1-s1	SLE-R-92	Max P	-12255.4	-194.87	-759.329	-8.1324	-9358.32	-2018.64
p1-s1	SLE-R-92	Min P	-14461.3	-197.574	-764.672	-8.4894	-6573.05	-2047.03
p1-s1	SLE-R-92	Max M2	-13989.8	-197.646	-763	-9.6044	-5423	-2047.78
p1-s1	SLE-R-92	Min M2	-12842.3	-198.613	-762.261	-6.7072	-10432.6	-2057.94
p1-s1	SLE-R-92	Max M3	-13571.6	-184.393	-763.381	-7.4254	-7891.87	-1908.63
p1-s1	SLE-R-92	Min M3	-13670.3	-211.329	-763.757	-10.3902	-7815.9	-2191.45
p1-s1	SLE-R-93	Max P	-11933.6	-239.847	750.677	8.4825	9318.69	-2471.49
p1-s1	SLE-R-93	Min P	-14136	-244.958	756.283	8.7691	6332.598	-2525.16
p1-s1	SLE-R-93	Max M2	-12509.3	-242.224	753.737	6.99	10336.16	-2496.45
p1-s1	SLE-R-93	Min M2	-13648.5	-244.33	754.886	9.7479	5329.852	-2518.56
p1-s1	SLE-R-93	Max M3	-13221.4	-232.455	755.291	7.6257	7909.712	-2393.88
p1-s1	SLE-R-93	Min M3	-13343	-255.567	755.629	10.4776	7562.273	-2636.55
p1-s1	SLE-R-94	Max P	-11966.4	-239.832	757.241	6.794	9401.279	-2471.33
p1-s1	SLE-R-94	Min P	-14172.3	-242.536	751.898	6.437	12186.55	-2499.72
p1-s1	SLE-R-94	Max M2	-13700.8	-242.608	753.571	5.322	13336.59	-2500.48
p1-s1	SLE-R-94	Min M2	-12553.4	-243.575	754.309	8.2193	8326.956	-2510.64
p1-s1	SLE-R-94	Max M3	-13282.7	-229.355	753.189	7.5011	10867.72	-2361.33
p1-s1	SLE-R-94	Min M3	-13381.4	-256.291	752.813	4.5362	10943.7	-2644.15
p1-s1	SLE-R-95	Max P	-11927.1	-192.786	-765.878	-6.5215	-9314.96	-1996.76
p1-s1	SLE-R-95	Min P	-14129.5	-197.897	-760.272	-6.2349	-12301.1	-2050.42
p1-s1	SLE-R-95	Max M2	-12502.8	-195.163	-762.818	-8.014	-8297.49	-2021.72
p1-s1	SLE-R-95	Min M2	-13642	-197.269	-761.668	-5.2561	-13303.8	-2043.83
p1-s1	SLE-R-95	Max M3	-13214.9	-185.395	-761.263	-7.3783	-10723.9	-1919.15
p1-s1	SLE-R-95	Min M3	-13336.5	-208.506	-760.926	-4.5264	-11071.4	-2161.82
p1-s1	SLE-R-96	Max P	-11959.9	-192.771	-759.313	-8.21	-9232.37	-1996.6
p1-s1	SLE-R-96	Min P	-14165.8	-195.475	-764.656	-8.5669	-6447.1	-2024.99
p1-s1	SLE-R-96	Max M2	-13694.3	-195.547	-762.984	-9.682	-5297.06	-2025.75
p1-s1	SLE-R-96	Min M2	-12546.9	-196.515	-762.246	-6.7847	-10306.7	-2035.91
p1-s1	SLE-R-96	Max M3	-13276.2	-182.295	-763.366	-7.5029	-7765.93	-1886.6
p1-s1	SLE-R-96	Min M3	-13374.9	-209.23	-763.742	-10.4678	-7689.95	-2169.42

p1-s1	SLE-R-97	Max P	-12031	-383.395	444.471	5.655	5437.101	-3957.84
p1-s1	SLE-R-97	Min P	-14233.4	-388.507	450.077	5.9416	2451.009	-4011.51
p1-s1	SLE-R-97	Max M2	-12606.7	-385.773	447.531	4.1626	6454.57	-3982.8
p1-s1	SLE-R-97	Min M2	-13745.9	-387.878	448.68	6.9205	1448.263	-4004.91
p1-s1	SLE-R-97	Max M3	-13318.8	-376.004	449.085	4.7983	4028.123	-3880.23
p1-s1	SLE-R-97	Min M3	-13440.4	-399.116	449.423	7.6502	3680.685	-4122.9
p1-s1	SLE-R-98	Max P	-12063.8	-383.381	451.035	3.9666	5519.69	-3957.68
p1-s1	SLE-R-98	Min P	-14269.7	-386.085	445.692	3.6096	8304.959	-3986.07
p1-s1	SLE-R-98	Max M2	-13798.2	-386.157	447.365	2.4946	9455.006	-3986.83
p1-s1	SLE-R-98	Min M2	-12650.8	-387.124	448.103	5.3918	4445.367	-3996.99
p1-s1	SLE-R-98	Max M3	-13380.1	-372.904	446.983	4.6736	6986.133	-3847.68
p1-s1	SLE-R-98	Min M3	-13478.8	-399.839	446.607	1.7088	7062.109	-4130.5
p1-s1	SLE-R-99	Max P	-12027.1	-355.159	-465.462	-3.3473	-5743.09	-3673
p1-s1	SLE-R-99	Min P	-14229.5	-360.27	-459.856	-3.0607	-8729.18	-3726.67
p1-s1	SLE-R-99	Max M2	-12602.8	-357.536	-462.402	-4.8398	-4725.62	-3697.96
p1-s1	SLE-R-99	Min M2	-13742	-359.642	-461.252	-2.0819	-9731.93	-3720.07
p1-s1	SLE-R-99	Max M3	-13314.9	-347.768	-460.848	-4.2041	-7152.07	-3595.39
p1-s1	SLE-R-99	Min M3	-13436.5	-370.879	-460.51	-1.3522	-7499.51	-3838.06
p1-s1	SLE-R-100	Max P	-12059.9	-355.144	-458.897	-5.0358	-5660.5	-3672.84
p1-s1	SLE-R-100	Min P	-14265.8	-357.848	-464.24	-5.3928	-2875.23	-3701.23
p1-s1	SLE-R-100	Max M2	-13794.3	-357.92	-462.568	-6.5078	-1725.19	-3701.99
p1-s1	SLE-R-100	Min M2	-12646.9	-358.888	-461.83	-3.6106	-6734.82	-3712.15
p1-s1	SLE-R-100	Max M3	-13376.2	-344.668	-462.95	-4.3288	-4194.06	-3562.84
p1-s1	SLE-R-100	Min M3	-13474.9	-371.603	-463.326	-7.2936	-4118.08	-3845.66
p1-s1	SLE-R-101	Max P	-11735.6	-381.297	444.486	5.5775	5563.043	-3935.8
p1-s1	SLE-R-101	Min P	-13938	-386.408	450.093	5.8641	2576.951	-3989.47
p1-s1	SLE-R-101	Max M2	-12311.3	-383.674	447.547	4.085	6580.512	-3960.76
p1-s1	SLE-R-101	Min M2	-13450.5	-385.78	448.696	6.8429	1574.205	-3982.87
p1-s1	SLE-R-101	Max M3	-13023.3	-373.906	449.101	4.7207	4154.065	-3858.19
p1-s1	SLE-R-101	Min M3	-13144.9	-397.017	449.439	7.5726	3806.627	-4100.86
p1-s1	SLE-R-102	Max P	-11768.3	-381.282	451.051	3.889	5645.632	-3935.65
p1-s1	SLE-R-102	Min P	-13974.3	-383.986	445.708	3.5321	8430.901	-3964.04
p1-s1	SLE-R-102	Max M2	-13502.8	-384.058	447.381	2.417	9580.948	-3964.79
p1-s1	SLE-R-102	Min M2	-12355.3	-385.025	448.119	5.3143	4571.309	-3974.95
p1-s1	SLE-R-102	Max M3	-13084.6	-370.805	446.999	4.5961	7112.075	-3825.64
p1-s1	SLE-R-102	Min M3	-13183.3	-397.741	446.623	1.6312	7188.051	-4108.46
p1-s1	SLE-R-103	Max P	-11731.7	-353.06	-465.446	-3.4249	-5617.15	-3650.96
p1-s1	SLE-R-103	Min P	-13934	-358.172	-459.84	-3.1383	-8603.24	-3704.63
p1-s1	SLE-R-103	Max M2	-12307.4	-355.438	-462.386	-4.9174	-4599.68	-3675.92
p1-s1	SLE-R-103	Min M2	-13446.6	-357.543	-461.237	-2.1595	-9605.99	-3698.03
p1-s1	SLE-R-103	Max M3	-13019.4	-345.669	-460.832	-4.2817	-7026.13	-3573.35
p1-s1	SLE-R-103	Min M3	-13141	-368.781	-460.494	-1.4298	-7373.56	-3816.02
p1-s1	SLE-R-104	Max P	-11764.4	-353.045	-458.882	-5.1134	-5534.56	-3650.81
p1-s1	SLE-R-104	Min P	-13970.4	-355.75	-464.225	-5.4703	-2749.29	-3679.2
p1-s1	SLE-R-104	Max M2	-13498.9	-355.822	-462.552	-6.5854	-1599.24	-3679.95
p1-s1	SLE-R-104	Min M2	-12351.4	-356.789	-461.814	-3.6881	-6608.88	-3690.11
p1-s1	SLE-R-104	Max M3	-13080.7	-342.569	-462.934	-4.4063	-4068.12	-3540.8
p1-s1	SLE-R-104	Min M3	-13179.4	-369.504	-463.31	-7.3712	-3992.14	-3823.62
p1-s1	SLE-R-105	Max P	-12276.8	-380.363	444.576	5.6174	5466.111	-3926
p1-s1	SLE-R-105	Min P	-14479.2	-385.475	450.182	5.904	2480.019	-3979.67
p1-s1	SLE-R-105	Max M2	-12852.5	-382.741	447.636	4.1249	6483.58	-3950.96

p1-s1	SLE-R-105	Min M2	-13991.7	-384.846	448.786	6.8828	1477.273	-3973.07
p1-s1	SLE-R-105	Max M3	-13564.5	-372.972	449.191	4.7606	4057.133	-3848.39
p1-s1	SLE-R-105	Min M3	-13686.1	-396.084	449.528	7.6125	3709.695	-4091.06
p1-s1	SLE-R-106	Max P	-12309.5	-380.349	451.141	3.9289	5548.7	-3925.85
p1-s1	SLE-R-106	Min P	-14515.5	-383.053	445.798	3.5719	8333.969	-3954.24
p1-s1	SLE-R-106	Max M2	-14044	-383.125	447.47	2.4569	9484.016	-3954.99
p1-s1	SLE-R-106	Min M2	-12896.5	-384.092	448.208	5.3542	4474.377	-3965.15
p1-s1	SLE-R-106	Max M3	-13625.8	-369.872	447.088	4.6359	7015.143	-3815.84
p1-s1	SLE-R-106	Min M3	-13724.5	-396.807	446.712	1.6711	7091.119	-4098.66
p1-s1	SLE-R-107	Max P	-12272.9	-352.127	-465.357	-3.385	-5714.08	-3641.16
p1-s1	SLE-R-107	Min P	-14475.2	-357.238	-459.75	-3.0984	-8700.17	-3694.83
p1-s1	SLE-R-107	Max M2	-12848.6	-354.504	-462.296	-4.8775	-4696.61	-3666.12
p1-s1	SLE-R-107	Min M2	-13987.8	-356.61	-461.147	-2.1196	-9702.92	-3688.23
p1-s1	SLE-R-107	Max M3	-13560.6	-344.736	-460.742	-4.2418	-7123.06	-3563.55
p1-s1	SLE-R-107	Min M3	-13682.2	-367.847	-460.404	-1.3899	-7470.5	-3806.22
p1-s1	SLE-R-108	Max P	-12305.6	-352.112	-458.792	-5.0735	-5631.49	-3641.01
p1-s1	SLE-R-108	Min P	-14511.6	-354.816	-464.135	-5.4305	-2846.22	-3669.4
p1-s1	SLE-R-108	Max M2	-14040.1	-354.888	-462.463	-6.5455	-1696.18	-3670.15
p1-s1	SLE-R-108	Min M2	-12892.6	-355.856	-461.724	-3.6482	-6705.81	-3680.31
p1-s1	SLE-R-108	Max M3	-13621.9	-341.636	-462.844	-4.3664	-4165.05	-3531
p1-s1	SLE-R-108	Min M3	-13720.6	-368.571	-463.22	-7.3313	-4089.07	-3813.82
p1-s1	SLE-R-109	Max P	-11981.3	-378.265	444.592	5.5398	5592.053	-3903.97
p1-s1	SLE-R-109	Min P	-14183.7	-383.376	450.198	5.8264	2605.961	-3957.63
p1-s1	SLE-R-109	Max M2	-12557	-380.642	447.652	4.0474	6609.522	-3928.93
p1-s1	SLE-R-109	Min M2	-13696.2	-382.748	448.802	6.8053	1603.215	-3951.04
p1-s1	SLE-R-109	Max M3	-13269.1	-370.874	449.206	4.683	4183.075	-3826.36
p1-s1	SLE-R-109	Min M3	-13390.7	-393.985	449.544	7.5349	3835.637	-4069.03
p1-s1	SLE-R-110	Max P	-12014.1	-378.25	451.156	3.8513	5674.642	-3903.81
p1-s1	SLE-R-110	Min P	-14220	-380.954	445.813	3.4944	8459.911	-3932.2
p1-s1	SLE-R-110	Max M2	-13748.5	-381.026	447.486	2.3793	9609.958	-3932.96
p1-s1	SLE-R-110	Min M2	-12601	-381.993	448.224	5.2766	4600.319	-3943.12
p1-s1	SLE-R-110	Max M3	-13330.3	-367.773	447.104	4.5584	7141.085	-3793.81
p1-s1	SLE-R-110	Min M3	-13429	-394.709	446.728	1.5936	7217.061	-4076.63
p1-s1	SLE-R-111	Max P	-11977.4	-350.028	-465.341	-3.4626	-5588.14	-3619.13
p1-s1	SLE-R-111	Min P	-14179.8	-355.14	-459.735	-3.176	-8574.23	-3672.79
p1-s1	SLE-R-111	Max M2	-12553.1	-352.406	-462.281	-4.955	-4570.67	-3644.09
p1-s1	SLE-R-111	Min M2	-13692.3	-354.511	-461.131	-2.1971	-9576.98	-3666.2
p1-s1	SLE-R-111	Max M3	-13265.2	-342.637	-460.727	-4.3193	-6997.12	-3541.52
p1-s1	SLE-R-111	Min M3	-13386.8	-365.749	-460.389	-1.4675	-7344.55	-3784.19
p1-s1	SLE-R-112	Max P	-12010.2	-350.013	-458.776	-5.151	-5505.55	-3618.97
p1-s1	SLE-R-112	Min P	-14216.1	-352.718	-464.119	-5.508	-2720.28	-3647.36
p1-s1	SLE-R-112	Max M2	-13744.6	-352.79	-462.447	-6.623	-1570.23	-3648.12
p1-s1	SLE-R-112	Min M2	-12597.1	-353.757	-461.709	-3.7258	-6579.87	-3658.28
p1-s1	SLE-R-112	Max M3	-13326.4	-339.537	-462.829	-4.444	-4039.11	-3508.97
p1-s1	SLE-R-112	Min M3	-13425.1	-366.472	-463.205	-7.4088	-3963.13	-3791.79
p1-s1	SLE-R-113	Max P	-11904.4	218.116	452.749	5.9978	5548.837	2258.86
p1-s1	SLE-R-113	Min P	-16210.6	207.981	463.565	7.1934	-105.027	2152.445
p1-s1	SLE-R-113	Max M2	-13065.5	213.986	458.699	2.8764	7698.003	2215.489
p1-s1	SLE-R-113	Min M2	-15167.1	209.781	459.832	9.63	-2234.56	2171.339
p1-s1	SLE-R-113	Max M3	-14220.3	232.32	460.163	4.6938	2966.485	2408.003
p1-s1	SLE-R-113	Min M3	-14554.3	189.487	461.431	9.633	2238.256	1958.257

p1-s1	SLE-R-114	Max P	-11963.1	218.18	464.938	3.0198	5702.717	2259.533
p1-s1	SLE-R-114	Min P	-16296.8	212.224	454.944	1.5355	11047.3	2196.995
p1-s1	SLE-R-114	Max M2	-15295.9	213.857	458.902	-1.0222	13398.06	2214.142
p1-s1	SLE-R-114	Min M2	-13117.9	211.46	459.301	5.9911	3452.92	2188.973
p1-s1	SLE-R-114	Max M3	-14343.2	237.752	458.564	4.0456	8442.367	2465.041
p1-s1	SLE-R-114	Min M3	-14617.2	188.281	457.134	-1.082	8605.776	1945.592
p1-s1	SLE-R-115	Max P	-11900.5	246.353	-457.184	-3.0046	-5631.35	2543.7
p1-s1	SLE-R-115	Min P	-16206.7	236.217	-446.368	-1.809	-11285.2	2437.284
p1-s1	SLE-R-115	Max M2	-13061.6	242.222	-451.233	-6.126	-3482.19	2500.329
p1-s1	SLE-R-115	Min M2	-15163.2	238.017	-450.101	0.6276	-13414.8	2456.178
p1-s1	SLE-R-115	Max M3	-14216.4	260.556	-449.77	-4.3086	-8213.71	2692.842
p1-s1	SLE-R-115	Min M3	-14550.4	217.724	-448.501	0.6306	-8941.93	2243.097
p1-s1	SLE-R-116	Max P	-11959.2	246.417	-444.995	-5.9826	-5477.47	2544.372
p1-s1	SLE-R-116	Min P	-16292.9	240.46	-454.988	-7.4669	-132.89	2481.835
p1-s1	SLE-R-116	Max M2	-15292	242.093	-451.031	-10.0246	2217.873	2498.982
p1-s1	SLE-R-116	Min M2	-13114	239.697	-450.632	-3.0113	-7727.27	2473.812
p1-s1	SLE-R-116	Max M3	-14339.3	265.989	-451.368	-4.9568	-2737.82	2749.88
p1-s1	SLE-R-116	Min M3	-14613.3	216.517	-452.798	-10.0844	-2574.42	2230.431
p1-s1	SLE-R-117	Max P	-11609	220.215	452.765	5.9202	5674.779	2280.896
p1-s1	SLE-R-117	Min P	-15915.1	210.08	463.58	7.1158	20.9155	2174.48
p1-s1	SLE-R-117	Max M2	-12770	216.084	458.715	2.7988	7823.945	2237.525
p1-s1	SLE-R-117	Min M2	-14871.6	211.879	459.848	9.5524	-2108.62	2193.374
p1-s1	SLE-R-117	Max M3	-13924.8	234.419	460.179	4.6162	3092.427	2430.038
p1-s1	SLE-R-117	Min M3	-14258.9	191.586	461.447	9.5555	2364.198	1980.293
p1-s1	SLE-R-118	Max P	-11667.7	220.279	464.954	2.9423	5828.659	2281.568
p1-s1	SLE-R-118	Min P	-16001.3	214.323	454.96	1.4579	11173.24	2219.031
p1-s1	SLE-R-118	Max M2	-15000.5	215.956	458.917	-1.0997	13524.01	2236.178
p1-s1	SLE-R-118	Min M2	-12822.5	213.559	459.317	5.9135	3578.862	2211.008
p1-s1	SLE-R-118	Max M3	-14047.7	239.851	458.58	3.968	8568.309	2487.077
p1-s1	SLE-R-118	Min M3	-14321.7	190.38	457.15	-1.1596	8731.718	1967.628
p1-s1	SLE-R-119	Max P	-11605.1	248.451	-457.168	-3.0821	-5505.41	2565.735
p1-s1	SLE-R-119	Min P	-15911.2	238.316	-446.352	-1.8866	-11159.3	2459.32
p1-s1	SLE-R-119	Max M2	-12766.1	244.321	-451.218	-6.2036	-3356.25	2522.364
p1-s1	SLE-R-119	Min M2	-14867.7	240.116	-450.085	0.55	-13288.8	2478.214
p1-s1	SLE-R-119	Max M3	-13920.9	262.655	-449.754	-4.3862	-8087.76	2714.878
p1-s1	SLE-R-119	Min M3	-14255	219.822	-448.486	0.5531	-8815.99	2265.133
p1-s1	SLE-R-120	Max P	-11663.8	248.515	-444.979	-6.0601	-5351.53	2566.408
p1-s1	SLE-R-120	Min P	-15997.4	242.559	-454.973	-7.5445	-6.9482	2503.871
p1-s1	SLE-R-120	Max M2	-14996.6	244.192	-451.016	-10.1021	2343.815	2521.018
p1-s1	SLE-R-120	Min M2	-12818.6	241.795	-450.616	-3.0888	-7601.33	2495.848
p1-s1	SLE-R-120	Max M3	-14043.8	268.087	-451.353	-5.0343	-2611.88	2771.916
p1-s1	SLE-R-120	Min M3	-14317.8	218.616	-452.783	-10.162	-2448.47	2252.467
p1-s1	SLE-R-121	Max P	-12051.9	219.935	452.812	5.9752	5566.243	2277.962
p1-s1	SLE-R-121	Min P	-16358	209.8	463.628	7.1708	-87.6206	2171.547
p1-s1	SLE-R-121	Max M2	-13212.9	215.805	458.762	2.8538	7715.409	2234.591
p1-s1	SLE-R-121	Min M2	-15314.6	211.6	459.895	9.6074	-2217.16	2190.44
p1-s1	SLE-R-121	Max M3	-14367.7	234.139	460.226	4.6712	2983.891	2427.105
p1-s1	SLE-R-121	Min M3	-14701.8	191.306	461.494	9.6104	2255.662	1977.359
p1-s1	SLE-R-122	Max P	-12110.6	219.999	465.001	2.9972	5720.123	2278.635
p1-s1	SLE-R-122	Min P	-16444.2	214.043	455.008	1.5129	11064.71	2216.097
p1-s1	SLE-R-122	Max M2	-15443.4	215.676	458.965	-1.0448	13415.47	2233.244

p1-s1	SLE-R-122	Min M2	-13265.4	213.279	459.364	5.9685	3470.326	2208.075
p1-s1	SLE-R-122	Max M3	-14490.6	239.571	458.627	4.023	8459.773	2484.143
p1-s1	SLE-R-122	Min M3	-14764.6	190.1	457.198	-1.1046	8623.182	1964.694
p1-s1	SLE-R-123	Max P	-12048	248.172	-457.121	-3.0272	-5613.95	2562.802
p1-s1	SLE-R-123	Min P	-16354.1	238.037	-446.305	-1.8316	-11267.8	2456.386
p1-s1	SLE-R-123	Max M2	-13209	244.041	-451.17	-6.1486	-3464.78	2519.431
p1-s1	SLE-R-123	Min M2	-15310.7	239.836	-450.037	0.605	-13397.3	2475.28
p1-s1	SLE-R-123	Max M3	-14363.8	262.376	-449.707	-4.3312	-8196.3	2711.944
p1-s1	SLE-R-123	Min M3	-14697.9	219.543	-448.438	0.608	-8924.53	2262.199
p1-s1	SLE-R-124	Max P	-12106.7	248.236	-444.932	-6.0052	-5460.07	2563.474
p1-s1	SLE-R-124	Min P	-16440.3	242.28	-454.925	-7.4895	-115.484	2500.937
p1-s1	SLE-R-124	Max M2	-15439.5	243.913	-450.968	-10.0472	2235.279	2518.084
p1-s1	SLE-R-124	Min M2	-13261.5	241.516	-450.569	-3.0339	-7709.87	2492.914
p1-s1	SLE-R-124	Max M3	-14486.7	267.808	-451.305	-4.9794	-2720.42	2768.982
p1-s1	SLE-R-124	Min M3	-14760.7	218.337	-452.735	-10.107	-2557.01	2249.533
p1-s1	SLE-R-125	Max P	-11756.4	222.034	452.828	5.8976	5692.185	2299.998
p1-s1	SLE-R-125	Min P	-16062.5	211.899	463.644	7.0932	38.3214	2193.582
p1-s1	SLE-R-125	Max M2	-12917.4	217.903	458.778	2.7762	7841.351	2256.627
p1-s1	SLE-R-125	Min M2	-15019.1	213.698	459.911	9.5298	-2091.21	2212.476
p1-s1	SLE-R-125	Max M3	-14072.3	236.238	460.242	4.5936	3109.833	2449.14
p1-s1	SLE-R-125	Min M3	-14406.3	193.405	461.51	9.5329	2381.604	1999.395
p1-s1	SLE-R-126	Max P	-11815.1	222.098	465.017	2.9197	5846.065	2300.67
p1-s1	SLE-R-126	Min P	-16148.8	216.142	455.023	1.4353	11190.65	2238.133
p1-s1	SLE-R-126	Max M2	-15147.9	217.775	458.98	-1.1223	13541.41	2255.28
p1-s1	SLE-R-126	Min M2	-12969.9	215.378	459.38	5.8909	3596.268	2230.11
p1-s1	SLE-R-126	Max M3	-14195.1	241.67	458.643	3.9454	8585.715	2506.179
p1-s1	SLE-R-126	Min M3	-14469.1	192.199	457.213	-1.1822	8749.124	1986.73
p1-s1	SLE-R-127	Max P	-11752.5	250.27	-457.105	-3.1047	-5488.01	2584.837
p1-s1	SLE-R-127	Min P	-16058.6	240.135	-446.289	-1.9092	-11141.9	2478.422
p1-s1	SLE-R-127	Max M2	-12913.5	246.14	-451.155	-6.2262	-3338.84	2541.466
p1-s1	SLE-R-127	Min M2	-15015.2	241.935	-450.022	0.5274	-13271.4	2497.316
p1-s1	SLE-R-127	Max M3	-14068.4	264.474	-449.691	-4.4088	-8070.36	2733.98
p1-s1	SLE-R-127	Min M3	-14402.4	221.641	-448.423	0.5305	-8798.59	2284.235
p1-s1	SLE-R-128	Max P	-11811.2	250.335	-444.916	-6.0827	-5334.13	2585.51
p1-s1	SLE-R-128	Min P	-16144.9	244.378	-454.909	-7.5671	10.4578	2522.973
p1-s1	SLE-R-128	Max M2	-15144	246.011	-450.952	-10.1247	2361.221	2540.12
p1-s1	SLE-R-128	Min M2	-12966	243.614	-450.553	-3.1114	-7583.92	2514.95
p1-s1	SLE-R-128	Max M3	-14191.2	269.907	-451.29	-5.0569	-2594.48	2791.018
p1-s1	SLE-R-128	Min M3	-14465.2	220.435	-452.719	-10.1846	-2431.07	2271.569
p1-s1	SLE-R-129	Max P	-12081.6	477.869	443.487	6.8399	5399.335	4986.27
p1-s1	SLE-R-129	Min P	-14284	472.758	449.094	7.1265	2413.243	4932.602
p1-s1	SLE-R-129	Max M2	-12657.3	475.492	446.547	5.3475	6416.804	4961.309
p1-s1	SLE-R-129	Min M2	-13796.5	473.387	447.697	8.1053	1410.497	4939.2
p1-s1	SLE-R-129	Max M3	-13369.4	485.261	448.102	5.9831	3990.357	5063.878
p1-s1	SLE-R-129	Min M3	-13491	462.149	448.439	8.835	3642.919	4821.209
p1-s1	SLE-R-130	Max P	-12114.4	477.884	450.052	5.1514	5481.924	4986.426
p1-s1	SLE-R-130	Min P	-14320.3	475.18	444.709	4.7945	8267.193	4958.035
p1-s1	SLE-R-130	Max M2	-13848.8	475.108	446.381	3.6794	9417.24	4957.278
p1-s1	SLE-R-130	Min M2	-12701.3	474.141	447.119	6.5767	4407.601	4947.12
p1-s1	SLE-R-130	Max M3	-13430.6	488.361	445.999	5.8585	6948.368	5096.431
p1-s1	SLE-R-130	Min M3	-13529.4	461.425	445.623	2.8936	7024.343	4813.608

p1-s1	SLE-R-131	Max P	-12077.7	506.106	-466.446	-2.1625	-5780.86	5271.109
p1-s1	SLE-R-131	Min P	-14280.1	500.994	-460.839	-1.8759	-8766.95	5217.441
p1-s1	SLE-R-131	Max M2	-12653.4	503.729	-463.385	-3.6549	-4763.39	5246.148
p1-s1	SLE-R-131	Min M2	-13792.6	501.623	-462.236	-0.897	-9769.69	5224.04
p1-s1	SLE-R-131	Max M3	-13365.5	513.497	-461.831	-3.0192	-7189.83	5348.718
p1-s1	SLE-R-131	Min M3	-13487.1	490.386	-461.493	-0.1674	-7537.27	5106.049
p1-s1	SLE-R-132	Max P	-12110.5	506.121	-459.881	-3.851	-5698.27	5271.265
p1-s1	SLE-R-132	Min P	-14316.4	503.417	-465.224	-4.2079	-2913	5242.874
p1-s1	SLE-R-132	Max M2	-13844.9	503.345	-463.552	-5.323	-1762.95	5242.118
p1-s1	SLE-R-132	Min M2	-12697.4	502.377	-462.813	-2.4257	-6772.59	5231.96
p1-s1	SLE-R-132	Max M3	-13426.7	516.597	-463.933	-3.1439	-4231.82	5381.27
p1-s1	SLE-R-132	Min M3	-13525.5	489.662	-464.309	-6.1087	-4155.85	5098.448
p1-s1	SLE-R-133	Max P	-11786.1	479.968	443.503	6.7624	5525.277	5008.305
p1-s1	SLE-R-133	Min P	-13988.5	474.857	449.109	7.049	2539.185	4954.637
p1-s1	SLE-R-133	Max M2	-12361.8	477.591	446.563	5.2699	6542.746	4983.345
p1-s1	SLE-R-133	Min M2	-13501	475.485	447.713	8.0278	1536.439	4961.236
p1-s1	SLE-R-133	Max M3	-13073.9	487.359	448.117	5.9056	4116.299	5085.914
p1-s1	SLE-R-133	Min M3	-13195.5	464.248	448.455	8.7575	3768.861	4843.245
p1-s1	SLE-R-134	Max P	-11818.9	479.983	450.067	5.0739	5607.866	5008.462
p1-s1	SLE-R-134	Min P	-14024.8	477.279	444.725	4.7169	8393.135	4980.07
p1-s1	SLE-R-134	Max M2	-13553.3	477.207	446.397	3.6019	9543.182	4979.314
p1-s1	SLE-R-134	Min M2	-12405.9	476.24	447.135	6.4991	4533.544	4969.156
p1-s1	SLE-R-134	Max M3	-13135.2	490.46	446.015	5.7809	7074.31	5118.467
p1-s1	SLE-R-134	Min M3	-13233.9	463.524	445.639	2.8161	7150.285	4835.644
p1-s1	SLE-R-135	Max P	-11782.2	508.205	-466.43	-2.24	-5654.91	5293.145
p1-s1	SLE-R-135	Min P	-13984.6	503.093	-460.824	-1.9534	-8641.01	5239.477
p1-s1	SLE-R-135	Max M2	-12357.9	505.827	-463.37	-3.7325	-4637.45	5268.184
p1-s1	SLE-R-135	Min M2	-13497.1	503.722	-462.22	-0.9746	-9643.75	5246.076
p1-s1	SLE-R-135	Max M3	-13070	515.596	-461.815	-3.0968	-7063.89	5370.754
p1-s1	SLE-R-135	Min M3	-13191.6	492.484	-461.478	-0.2449	-7411.33	5128.084
p1-s1	SLE-R-136	Max P	-11815	508.219	-459.865	-3.9285	-5572.33	5293.301
p1-s1	SLE-R-136	Min P	-14020.9	505.515	-465.208	-4.2855	-2787.06	5264.91
p1-s1	SLE-R-136	Max M2	-13549.4	505.443	-463.536	-5.4005	-1637.01	5264.154
p1-s1	SLE-R-136	Min M2	-12402	504.476	-462.798	-2.5032	-6646.65	5253.995
p1-s1	SLE-R-136	Max M3	-13131.3	518.696	-463.918	-3.2215	-4105.88	5403.306
p1-s1	SLE-R-136	Min M3	-13230	491.76	-464.294	-6.1863	-4029.91	5120.484
p1-s1	SLE-R-137	Max P	-12229	479.689	443.55	6.8173	5416.741	5005.372
p1-s1	SLE-R-137	Min P	-14431.4	474.577	449.157	7.1039	2430.649	4951.704
p1-s1	SLE-R-137	Max M2	-12804.7	477.311	446.611	5.3248	6434.21	4980.411
p1-s1	SLE-R-137	Min M2	-13943.9	475.206	447.76	8.0827	1427.903	4958.302
p1-s1	SLE-R-137	Max M3	-13516.8	487.08	448.165	5.9605	4007.763	5082.98
p1-s1	SLE-R-137	Min M3	-13638.4	463.969	448.503	8.8124	3660.325	4840.311
p1-s1	SLE-R-138	Max P	-12261.8	479.704	450.115	5.1288	5499.33	5005.528
p1-s1	SLE-R-138	Min P	-14467.7	476.999	444.772	4.7719	8284.599	4977.137
p1-s1	SLE-R-138	Max M2	-13996.2	476.927	446.444	3.6568	9434.646	4976.38
p1-s1	SLE-R-138	Min M2	-12848.8	475.96	447.183	6.5541	4425.007	4966.222
p1-s1	SLE-R-138	Max M3	-13578.1	490.18	446.063	5.8359	6965.773	5115.533
p1-s1	SLE-R-138	Min M3	-13676.8	463.245	445.687	2.871	7041.749	4832.71
p1-s1	SLE-R-139	Max P	-12225.1	507.925	-466.383	-2.1851	-5763.45	5290.211
p1-s1	SLE-R-139	Min P	-14427.5	502.814	-460.776	-1.8985	-8749.54	5236.543
p1-s1	SLE-R-139	Max M2	-12800.8	505.548	-463.322	-3.6775	-4745.98	5265.25

p1-s1	SLE-R-139	Min M2	-13940	503.442	-462.173	-0.9196	-9752.29	5243.142
p1-s1	SLE-R-139	Max M3	-13512.9	515.316	-461.768	-3.0419	-7172.43	5367.82
p1-s1	SLE-R-139	Min M3	-13634.5	492.205	-461.43	-0.19	-7519.87	5125.151
p1-s1	SLE-R-140	Max P	-12257.9	507.94	-459.818	-3.8736	-5680.86	5290.367
p1-s1	SLE-R-140	Min P	-14463.8	505.236	-465.161	-4.2305	-2895.59	5261.976
p1-s1	SLE-R-140	Max M2	-13992.3	505.164	-463.488	-5.3456	-1745.55	5261.22
p1-s1	SLE-R-140	Min M2	-12844.9	504.196	-462.75	-2.4483	-6755.18	5251.062
p1-s1	SLE-R-140	Max M3	-13574.2	518.416	-463.87	-3.1665	-4214.42	5400.372
p1-s1	SLE-R-140	Min M3	-13672.9	491.481	-464.246	-6.1313	-4138.44	5117.55
p1-s1	SLE-R-141	Max P	-11933.6	481.787	443.566	6.7398	5542.683	5027.407
p1-s1	SLE-R-141	Min P	-14136	476.676	449.172	7.0264	2556.591	4973.739
p1-s1	SLE-R-141	Max M2	-12509.3	479.41	446.626	5.2473	6560.152	5002.447
p1-s1	SLE-R-141	Min M2	-13648.5	477.304	447.776	8.0052	1553.845	4980.338
p1-s1	SLE-R-141	Max M3	-13221.3	489.179	448.181	5.883	4133.705	5105.016
p1-s1	SLE-R-141	Min M3	-13342.9	466.067	448.518	8.7349	3786.267	4862.347
p1-s1	SLE-R-142	Max P	-11966.3	481.802	450.131	5.0513	5625.272	5027.564
p1-s1	SLE-R-142	Min P	-14172.3	479.098	444.788	4.6943	8410.541	4999.172
p1-s1	SLE-R-142	Max M2	-13700.8	479.026	446.46	3.5793	9560.588	4998.416
p1-s1	SLE-R-142	Min M2	-12553.3	478.059	447.198	6.4765	4550.949	4988.258
p1-s1	SLE-R-142	Max M3	-13282.6	492.279	446.078	5.7583	7091.716	5137.569
p1-s1	SLE-R-142	Min M3	-13381.3	465.343	445.702	2.7935	7167.691	4854.746
p1-s1	SLE-R-143	Max P	-11929.7	510.024	-466.367	-2.2626	-5637.51	5312.247
p1-s1	SLE-R-143	Min P	-14132.1	504.912	-460.76	-1.976	-8623.6	5258.579
p1-s1	SLE-R-143	Max M2	-12505.4	507.646	-463.306	-3.7551	-4620.04	5287.286
p1-s1	SLE-R-143	Min M2	-13644.6	505.541	-462.157	-0.9972	-9626.35	5265.178
p1-s1	SLE-R-143	Max M3	-13217.4	517.415	-461.752	-3.1194	-7046.49	5389.856
p1-s1	SLE-R-143	Min M3	-13339	494.304	-461.414	-0.2675	-7393.92	5147.186
p1-s1	SLE-R-144	Max P	-11962.4	510.039	-459.802	-3.9511	-5554.92	5312.403
p1-s1	SLE-R-144	Min P	-14168.4	507.335	-465.145	-4.3081	-2769.65	5284.012
p1-s1	SLE-R-144	Max M2	-13696.9	507.263	-463.473	-5.4231	-1619.6	5283.255
p1-s1	SLE-R-144	Min M2	-12549.4	506.295	-462.734	-2.5258	-6629.24	5273.097
p1-s1	SLE-R-144	Max M3	-13278.7	520.515	-463.854	-3.2441	-4088.48	5422.408
p1-s1	SLE-R-144	Min M3	-13377.4	493.58	-464.23	-6.2089	-4012.5	5139.585
p1-s1	SLE-R-145	Max P	-12083.1	-46.832	468.056	3.7154	5719.326	-523.094
p1-s1	SLE-R-145	Min P	-14285.5	-51.943	473.663	4.002	2733.234	-576.762
p1-s1	SLE-R-145	Max M2	-12658.8	-49.209	471.117	2.2229	6736.795	-548.055
p1-s1	SLE-R-145	Min M2	-13798	-51.315	472.266	4.9808	1730.488	-570.164
p1-s1	SLE-R-145	Max M3	-13370.9	-39.441	472.671	2.8586	4310.348	-445.486
p1-s1	SLE-R-145	Min M3	-13492.5	-62.552	473.009	5.7105	3962.91	-688.155
p1-s1	SLE-R-146	Max P	-12115.9	-46.817	474.621	2.0269	5801.915	-522.938
p1-s1	SLE-R-146	Min P	-14321.8	-49.521	469.278	1.6699	8587.184	-551.329
p1-s1	SLE-R-146	Max M2	-13850.3	-49.593	470.95	0.5549	9737.231	-552.086
p1-s1	SLE-R-146	Min M2	-12702.9	-50.56	471.689	3.4521	4727.592	-562.244
p1-s1	SLE-R-146	Max M3	-13432.2	-36.34	470.569	2.7339	7268.358	-412.933
p1-s1	SLE-R-146	Min M3	-13530.9	-63.276	470.193	-0.2309	7344.334	-695.756
p1-s1	SLE-R-147	Max P	-12079.2	-18.595	-441.877	-5.287	-5460.87	-238.255
p1-s1	SLE-R-147	Min P	-14281.6	-23.707	-436.27	-5.0004	-8446.96	-291.923
p1-s1	SLE-R-147	Max M2	-12654.9	-20.973	-438.816	-6.7795	-4443.4	-263.216
p1-s1	SLE-R-147	Min M2	-13794.1	-23.078	-437.667	-4.0216	-9449.7	-285.324
p1-s1	SLE-R-147	Max M3	-13367	-11.204	-437.262	-6.1438	-6869.84	-160.646
p1-s1	SLE-R-147	Min M3	-13488.6	-34.316	-436.924	-3.2919	-7217.28	-403.315

p1-s1	SLE-R-148	Max P	-12112	-18.581	-435.312	-6.9755	-5378.28	-238.099
p1-s1	SLE-R-148	Min P	-14317.9	-21.285	-440.655	-7.3325	-2593.01	-266.49
p1-s1	SLE-R-148	Max M2	-13846.4	-21.357	-438.982	-8.4475	-1442.96	-267.246
p1-s1	SLE-R-148	Min M2	-12699	-22.324	-438.244	-5.5502	-6452.6	-277.404
p1-s1	SLE-R-148	Max M3	-13428.3	-8.104	-439.364	-6.2685	-3911.83	-128.094
p1-s1	SLE-R-148	Min M3	-13527	-35.04	-439.74	-9.2333	-3835.86	-410.916
p1-s1	SLE-R-149	Max P	-11787.7	-44.733	468.072	3.6378	5845.268	-501.059
p1-s1	SLE-R-149	Min P	-13990	-49.845	473.678	3.9244	2859.176	-554.727
p1-s1	SLE-R-149	Max M2	-12363.3	-47.11	471.132	2.1454	6862.737	-526.019
p1-s1	SLE-R-149	Min M2	-13502.5	-49.216	472.282	4.9032	1856.43	-548.128
p1-s1	SLE-R-149	Max M3	-13075.4	-37.342	472.686	2.781	4436.29	-423.45
p1-s1	SLE-R-149	Min M3	-13197	-60.453	473.024	5.6329	4088.852	-666.119
p1-s1	SLE-R-150	Max P	-11820.4	-44.718	474.637	1.9493	5927.857	-500.902
p1-s1	SLE-R-150	Min P	-14026.4	-47.422	469.294	1.5924	8713.126	-529.294
p1-s1	SLE-R-150	Max M2	-13554.9	-47.494	470.966	0.4773	9863.173	-530.05
p1-s1	SLE-R-150	Min M2	-12407.4	-48.462	471.704	3.3746	4853.534	-540.208
p1-s1	SLE-R-150	Max M3	-13136.7	-34.242	470.584	2.6564	7394.3	-390.897
p1-s1	SLE-R-150	Min M3	-13235.4	-61.177	470.208	-0.3085	7470.276	-673.72
p1-s1	SLE-R-151	Max P	-11783.8	-16.497	-441.861	-5.3646	-5334.92	-216.219
p1-s1	SLE-R-151	Min P	-13986.1	-21.608	-436.254	-5.078	-8321.02	-269.887
p1-s1	SLE-R-151	Max M2	-12359.4	-18.874	-438.8	-6.857	-4317.45	-241.18
p1-s1	SLE-R-151	Min M2	-13498.6	-20.98	-437.651	-4.0991	-9323.76	-263.288
p1-s1	SLE-R-151	Max M3	-13071.5	-9.106	-437.246	-6.2213	-6743.9	-138.61
p1-s1	SLE-R-151	Min M3	-13193.1	-32.217	-436.908	-3.3695	-7091.34	-381.28
p1-s1	SLE-R-152	Max P	-11816.5	-16.482	-435.296	-7.0531	-5252.33	-216.063
p1-s1	SLE-R-152	Min P	-14022.5	-19.186	-440.639	-7.41	-2467.07	-244.454
p1-s1	SLE-R-152	Max M2	-13551	-19.258	-438.967	-8.525	-1317.02	-245.211
p1-s1	SLE-R-152	Min M2	-12403.5	-20.225	-438.228	-5.6278	-6326.66	-255.369
p1-s1	SLE-R-152	Max M3	-13132.8	-6.005	-439.349	-6.346	-3785.89	-106.058
p1-s1	SLE-R-152	Min M3	-13231.5	-32.941	-439.724	-9.3108	-3709.92	-388.88
p1-s1	SLE-R-153	Max P	-12230.6	-45.013	468.119	3.6928	5736.732	-503.993
p1-s1	SLE-R-153	Min P	-14432.9	-50.124	473.726	3.9794	2750.64	-557.66
p1-s1	SLE-R-153	Max M2	-12806.3	-47.39	471.18	2.2003	6754.201	-528.953
p1-s1	SLE-R-153	Min M2	-13945.5	-49.496	472.329	4.9582	1747.894	-551.062
p1-s1	SLE-R-153	Max M3	-13518.3	-37.621	472.734	2.836	4327.754	-426.384
p1-s1	SLE-R-153	Min M3	-13639.9	-60.733	473.072	5.6879	3980.316	-669.053
p1-s1	SLE-R-154	Max P	-12263.3	-44.998	474.684	2.0043	5819.321	-503.836
p1-s1	SLE-R-154	Min P	-14469.3	-47.702	469.341	1.6473	8604.59	-532.227
p1-s1	SLE-R-154	Max M2	-13997.8	-47.774	471.013	0.5323	9754.637	-532.984
p1-s1	SLE-R-154	Min M2	-12850.3	-48.741	471.752	3.4295	4744.998	-543.142
p1-s1	SLE-R-154	Max M3	-13579.6	-34.521	470.632	2.7113	7285.764	-393.831
p1-s1	SLE-R-154	Min M3	-13678.3	-61.457	470.256	-0.2535	7361.74	-676.654
p1-s1	SLE-R-155	Max P	-12226.7	-16.776	-441.813	-5.3096	-5443.46	-219.153
p1-s1	SLE-R-155	Min P	-14429	-21.888	-436.207	-5.023	-8429.55	-272.821
p1-s1	SLE-R-155	Max M2	-12802.4	-19.154	-438.753	-6.8021	-4425.99	-244.114
p1-s1	SLE-R-155	Min M2	-13941.6	-21.259	-437.604	-4.0442	-9432.3	-266.222
p1-s1	SLE-R-155	Max M3	-13514.4	-9.385	-437.199	-6.1664	-6852.44	-141.544
p1-s1	SLE-R-155	Min M3	-13636	-32.496	-436.861	-3.3145	-7199.88	-384.214
p1-s1	SLE-R-156	Max P	-12259.4	-16.761	-435.249	-6.9981	-5360.87	-218.997
p1-s1	SLE-R-156	Min P	-14465.4	-19.465	-440.592	-7.3551	-2575.6	-247.388
p1-s1	SLE-R-156	Max M2	-13993.9	-19.537	-438.919	-8.4701	-1425.55	-248.144

p1-s1	SLE-R-156	Min M2	-12846.4	-20.505	-438.181	-5.5728	-6435.19	-258.302
p1-s1	SLE-R-156	Max M3	-13575.7	-6.285	-439.301	-6.2911	-3894.43	-108.992
p1-s1	SLE-R-156	Min M3	-13674.4	-33.22	-439.677	-9.2559	-3818.45	-391.814
p1-s1	SLE-R-157	Max P	-11935.1	-42.914	468.135	3.6152	5862.674	-481.957
p1-s1	SLE-R-157	Min P	-14137.5	-48.025	473.742	3.9018	2876.582	-535.625
p1-s1	SLE-R-157	Max M2	-12510.8	-45.291	471.195	2.1228	6880.143	-506.917
p1-s1	SLE-R-157	Min M2	-13650	-47.397	472.345	4.8806	1873.836	-529.026
p1-s1	SLE-R-157	Max M3	-13222.9	-35.523	472.75	2.7584	4453.696	-404.348
p1-s1	SLE-R-157	Min M3	-13344.4	-58.634	473.088	5.6103	4106.258	-647.017
p1-s1	SLE-R-158	Max P	-11967.9	-42.899	474.7	1.9267	5945.263	-481.801
p1-s1	SLE-R-158	Min P	-14173.8	-45.603	469.357	1.5698	8730.532	-510.192
p1-s1	SLE-R-158	Max M2	-13702.3	-45.675	471.029	0.4547	9880.579	-510.948
p1-s1	SLE-R-158	Min M2	-12554.8	-46.643	471.767	3.352	4870.94	-521.106
p1-s1	SLE-R-158	Max M3	-13284.1	-32.423	470.647	2.6338	7411.706	-371.796
p1-s1	SLE-R-158	Min M3	-13382.8	-59.358	470.271	-0.3311	7487.682	-654.618
p1-s1	SLE-R-159	Max P	-11931.2	-14.678	-441.798	-5.3872	-5317.52	-197.117
p1-s1	SLE-R-159	Min P	-14133.6	-19.789	-436.191	-5.1006	-8303.61	-250.785
p1-s1	SLE-R-159	Max M2	-12506.9	-17.055	-438.737	-6.8796	-4300.05	-222.078
p1-s1	SLE-R-159	Min M2	-13646.1	-19.16	-437.588	-4.1217	-9306.36	-244.186
p1-s1	SLE-R-159	Max M3	-13219	-7.286	-437.183	-6.2439	-6726.5	-119.508
p1-s1	SLE-R-159	Min M3	-13340.5	-30.398	-436.845	-3.3921	-7073.93	-362.178
p1-s1	SLE-R-160	Max P	-11964	-14.663	-435.233	-7.0757	-5234.93	-196.961
p1-s1	SLE-R-160	Min P	-14169.9	-17.367	-440.576	-7.4326	-2449.66	-225.352
p1-s1	SLE-R-160	Max M2	-13698.4	-17.439	-438.904	-8.5477	-1299.61	-226.109
p1-s1	SLE-R-160	Min M2	-12550.9	-18.406	-438.165	-5.6504	-6309.25	-236.267
p1-s1	SLE-R-160	Max M3	-13280.2	-4.186	-439.285	-6.3686	-3768.48	-86.956
p1-s1	SLE-R-160	Min M3	-13378.9	-31.122	-439.661	-9.3334	-3692.51	-369.779
p1-s1	SLE-R-161	Max P	-12082.9	213.428	554.215	-8.3416	6856.518	2209.637
p1-s1	SLE-R-161	Min P	-14285.3	208.317	559.821	-8.055	3870.426	2155.969
p1-s1	SLE-R-161	Max M2	-12658.6	211.051	557.275	-9.8341	7873.987	2184.676
p1-s1	SLE-R-161	Min M2	-13797.8	208.945	558.425	-7.0762	2867.68	2162.568
p1-s1	SLE-R-161	Max M3	-13370.7	220.819	558.829	-9.1984	5447.54	2287.246
p1-s1	SLE-R-161	Min M3	-13492.3	197.708	559.167	-6.3465	5100.102	2044.576
p1-s1	SLE-R-162	Max P	-12115.7	213.443	560.78	-10.0301	6939.107	2209.793
p1-s1	SLE-R-162	Min P	-14321.6	210.739	555.437	-10.387	9724.376	2181.402
p1-s1	SLE-R-162	Max M2	-13850.1	210.667	557.109	-11.5021	10874.42	2180.646
p1-s1	SLE-R-162	Min M2	-12702.7	209.7	557.847	-8.6048	5864.784	2170.488
p1-s1	SLE-R-162	Max M3	-13432	223.92	556.727	-9.323	8405.55	2319.798
p1-s1	SLE-R-162	Min M3	-13530.7	196.984	556.351	-12.2879	8481.526	2036.976
p1-s1	SLE-R-163	Max P	-12079	241.665	-355.718	-17.344	-4323.67	2494.476
p1-s1	SLE-R-163	Min P	-14281.4	236.553	-350.111	-17.0574	-7309.77	2440.808
p1-s1	SLE-R-163	Max M2	-12654.7	239.287	-352.658	-18.8365	-3306.2	2469.516
p1-s1	SLE-R-163	Min M2	-13793.9	237.182	-351.508	-16.0786	-8312.51	2447.407
p1-s1	SLE-R-163	Max M3	-13366.8	249.056	-351.103	-18.2008	-5732.65	2572.085
p1-s1	SLE-R-163	Min M3	-13488.4	225.944	-350.765	-15.3489	-6080.09	2329.416
p1-s1	SLE-R-164	Max P	-12111.8	241.68	-349.153	-19.0325	-4241.08	2494.633
p1-s1	SLE-R-164	Min P	-14317.7	238.975	-354.496	-19.3894	-1455.82	2466.241
p1-s1	SLE-R-164	Max M2	-13846.2	238.903	-352.824	-20.5045	-305.768	2465.485
p1-s1	SLE-R-164	Min M2	-12698.8	237.936	-352.085	-17.6072	-5315.41	2455.327
p1-s1	SLE-R-164	Max M3	-13428.1	252.156	-353.206	-18.3254	-2774.64	2604.638
p1-s1	SLE-R-164	Min M3	-13526.8	225.221	-353.582	-21.2903	-2698.67	2321.815

p1-s1	SLE-R-165	Max P	-11787.5	215.527	554.231	-8.4192	6982.46	2231.673
p1-s1	SLE-R-165	Min P	-13989.8	210.416	559.837	-8.1326	3996.368	2178.005
p1-s1	SLE-R-165	Max M2	-12363.2	213.15	557.291	-9.9116	7999.929	2206.712
p1-s1	SLE-R-165	Min M2	-13502.4	211.044	558.44	-7.1537	2993.622	2184.604
p1-s1	SLE-R-165	Max M3	-13075.2	222.918	558.845	-9.2759	5573.482	2309.282
p1-s1	SLE-R-165	Min M3	-13196.8	199.807	559.183	-6.4241	5226.044	2066.612
p1-s1	SLE-R-166	Max P	-11820.2	215.542	560.795	-10.1076	7065.049	2231.829
p1-s1	SLE-R-166	Min P	-14026.2	212.838	555.452	-10.4646	9850.318	2203.438
p1-s1	SLE-R-166	Max M2	-13554.7	212.766	557.125	-11.5796	11000.36	2202.681
p1-s1	SLE-R-166	Min M2	-12407.2	211.798	557.863	-8.6824	5990.726	2192.523
p1-s1	SLE-R-166	Max M3	-13136.5	226.018	556.743	-9.4006	8531.492	2341.834
p1-s1	SLE-R-166	Min M3	-13235.2	199.083	556.367	-12.3654	8607.468	2059.011
p1-s1	SLE-R-167	Max P	-11783.6	243.763	-355.702	-17.4216	-4197.73	2516.512
p1-s1	SLE-R-167	Min P	-13985.9	238.652	-350.096	-17.135	-7183.82	2462.844
p1-s1	SLE-R-167	Max M2	-12359.3	241.386	-352.642	-18.914	-3180.26	2491.552
p1-s1	SLE-R-167	Min M2	-13498.5	239.28	-351.492	-16.1561	-8186.57	2469.443
p1-s1	SLE-R-167	Max M3	-13071.3	251.155	-351.088	-18.2783	-5606.71	2594.121
p1-s1	SLE-R-167	Min M3	-13192.9	228.043	-350.75	-15.4264	-5954.15	2351.452
p1-s1	SLE-R-168	Max P	-11816.3	243.778	-349.138	-19.11	-4115.14	2516.668
p1-s1	SLE-R-168	Min P	-14022.3	241.074	-354.48	-19.467	-1329.87	2488.277
p1-s1	SLE-R-168	Max M2	-13550.8	241.002	-352.808	-20.582	-179.826	2487.521
p1-s1	SLE-R-168	Min M2	-12403.3	240.035	-352.07	-17.6848	-5189.47	2477.363
p1-s1	SLE-R-168	Max M3	-13132.6	254.255	-353.19	-18.403	-2648.7	2626.673
p1-s1	SLE-R-168	Min M3	-13231.3	227.319	-353.566	-21.3678	-2572.72	2343.851
p1-s1	SLE-R-169	Max P	-12230.4	215.247	554.278	-8.3642	6873.924	2228.739
p1-s1	SLE-R-169	Min P	-14432.8	210.136	559.885	-8.0776	3887.832	2175.071
p1-s1	SLE-R-169	Max M2	-12806.1	212.87	557.338	-9.8567	7891.393	2203.778
p1-s1	SLE-R-169	Min M2	-13945.3	210.765	558.488	-7.0988	2885.086	2181.67
p1-s1	SLE-R-169	Max M3	-13518.1	222.639	558.893	-9.221	5464.946	2306.348
p1-s1	SLE-R-169	Min M3	-13639.7	199.527	559.23	-6.3691	5117.508	2063.678
p1-s1	SLE-R-170	Max P	-12263.2	215.262	560.843	-10.0527	6956.513	2228.895
p1-s1	SLE-R-170	Min P	-14469.1	212.558	555.5	-10.4097	9741.782	2200.504
p1-s1	SLE-R-170	Max M2	-13997.6	212.486	557.172	-11.5247	10891.83	2199.748
p1-s1	SLE-R-170	Min M2	-12850.1	211.519	557.91	-8.6274	5882.19	2189.589
p1-s1	SLE-R-170	Max M3	-13579.4	225.739	556.79	-9.3456	8422.956	2338.9
p1-s1	SLE-R-170	Min M3	-13678.1	198.803	556.414	-12.3105	8498.932	2056.078
p1-s1	SLE-R-171	Max P	-12226.5	243.484	-355.655	-17.3666	-4306.27	2513.578
p1-s1	SLE-R-171	Min P	-14428.9	238.372	-350.048	-17.08	-7292.36	2459.91
p1-s1	SLE-R-171	Max M2	-12802.2	241.107	-352.594	-18.8591	-3288.8	2488.618
p1-s1	SLE-R-171	Min M2	-13941.4	239.001	-351.445	-16.1012	-8295.11	2466.509
p1-s1	SLE-R-171	Max M3	-13514.2	250.875	-351.04	-18.2234	-5715.25	2591.187
p1-s1	SLE-R-171	Min M3	-13635.8	227.764	-350.702	-15.3715	-6062.68	2348.518
p1-s1	SLE-R-172	Max P	-12259.3	243.499	-349.09	-19.0551	-4223.68	2513.735
p1-s1	SLE-R-172	Min P	-14465.2	240.795	-354.433	-19.412	-1438.41	2485.343
p1-s1	SLE-R-172	Max M2	-13993.7	240.723	-352.761	-20.5271	-288.362	2484.587
p1-s1	SLE-R-172	Min M2	-12846.2	239.755	-352.022	-17.6298	-5298	2474.429
p1-s1	SLE-R-172	Max M3	-13575.5	253.975	-353.142	-18.348	-2757.24	2623.74
p1-s1	SLE-R-172	Min M3	-13674.2	227.04	-353.518	-21.3129	-2681.26	2340.917
p1-s1	SLE-R-173	Max P	-11934.9	217.346	554.294	-8.4418	6999.866	2250.775
p1-s1	SLE-R-173	Min P	-14137.3	212.235	559.9	-8.1552	4013.774	2197.107
p1-s1	SLE-R-173	Max M2	-12510.6	214.969	557.354	-9.9342	8017.335	2225.814

p1-s1	SLE-R-173	Min M2	-13649.8	212.863	558.504	-7.1763	3011.028	2203.706
p1-s1	SLE-R-173	Max M3	-13222.7	224.737	558.908	-9.2985	5590.888	2328.383
p1-s1	SLE-R-173	Min M3	-13344.3	201.626	559.246	-6.4467	5243.45	2085.714
p1-s1	SLE-R-174	Max P	-11967.7	217.361	560.858	-10.1302	7082.455	2250.931
p1-s1	SLE-R-174	Min P	-14173.6	214.657	555.516	-10.4872	9867.724	2222.54
p1-s1	SLE-R-174	Max M2	-13702.1	214.585	557.188	-11.6022	11017.77	2221.783
p1-s1	SLE-R-174	Min M2	-12554.6	213.618	557.926	-8.705	6008.132	2211.625
p1-s1	SLE-R-174	Max M3	-13283.9	227.838	556.806	-9.4232	8548.898	2360.936
p1-s1	SLE-R-174	Min M3	-13382.7	200.902	556.43	-12.388	8624.874	2078.113
p1-s1	SLE-R-175	Max P	-11931	245.583	-355.639	-17.4442	-4180.33	2535.614
p1-s1	SLE-R-175	Min P	-14133.4	240.471	-350.032	-17.1576	-7166.42	2481.946
p1-s1	SLE-R-175	Max M2	-12506.7	243.205	-352.579	-18.9366	-3162.86	2510.654
p1-s1	SLE-R-175	Min M2	-13645.9	241.1	-351.429	-16.1787	-8169.16	2488.545
p1-s1	SLE-R-175	Max M3	-13218.8	252.974	-351.024	-18.3009	-5589.3	2613.223
p1-s1	SLE-R-175	Min M3	-13340.4	229.862	-350.687	-15.449	-5936.74	2370.554
p1-s1	SLE-R-176	Max P	-11963.8	245.597	-349.074	-19.1326	-4097.74	2535.77
p1-s1	SLE-R-176	Min P	-14169.7	242.893	-354.417	-19.4896	-1312.47	2507.379
p1-s1	SLE-R-176	Max M2	-13698.2	242.821	-352.745	-20.6046	-162.42	2506.623
p1-s1	SLE-R-176	Min M2	-12550.7	241.854	-352.007	-17.7074	-5172.06	2496.465
p1-s1	SLE-R-176	Max M3	-13280	256.074	-353.127	-18.4256	-2631.29	2645.775
p1-s1	SLE-R-176	Min M3	-13378.8	229.138	-353.503	-21.3904	-2555.32	2362.953
p1-s1	SLE-R-177	Max P	-12082.3	216.855	468.193	-3.9422	5710.191	2245.617
p1-s1	SLE-R-177	Min P	-14284.7	211.744	473.799	-3.6556	2724.1	2191.949
p1-s1	SLE-R-177	Max M2	-12658	214.478	471.253	-5.4346	6727.66	2220.656
p1-s1	SLE-R-177	Min M2	-13797.2	212.372	472.402	-2.6767	1721.353	2198.548
p1-s1	SLE-R-177	Max M3	-13370.1	224.246	472.807	-4.7989	4301.214	2323.226
p1-s1	SLE-R-177	Min M3	-13491.6	201.135	473.145	-1.947	3953.775	2080.557
p1-s1	SLE-R-178	Max P	-12115.1	216.87	474.757	-5.6306	5792.78	2245.773
p1-s1	SLE-R-178	Min P	-14321	214.166	469.414	-5.9876	8578.05	2217.382
p1-s1	SLE-R-178	Max M2	-13849.5	214.094	471.087	-7.1026	9728.096	2216.626
p1-s1	SLE-R-178	Min M2	-12702	213.126	471.825	-4.2054	4718.458	2206.468
p1-s1	SLE-R-178	Max M3	-13431.3	227.346	470.705	-4.9236	7259.224	2355.778
p1-s1	SLE-R-178	Min M3	-13530	200.411	470.329	-7.8884	7335.199	2072.956
p1-s1	SLE-R-179	Max P	-12078.4	245.091	-441.74	-12.9445	-5470	2530.456
p1-s1	SLE-R-179	Min P	-14280.8	239.98	-436.134	-12.658	-8456.09	2476.788
p1-s1	SLE-R-179	Max M2	-12654.1	242.714	-438.68	-14.437	-4452.53	2505.496
p1-s1	SLE-R-179	Min M2	-13793.3	240.608	-437.531	-11.6791	-9458.84	2483.387
p1-s1	SLE-R-179	Max M3	-13366.2	252.483	-437.126	-13.8013	-6878.98	2608.065
p1-s1	SLE-R-179	Min M3	-13487.7	229.371	-436.788	-10.9494	-7226.42	2365.396
p1-s1	SLE-R-180	Max P	-12111.2	245.106	-435.176	-14.633	-5387.41	2530.613
p1-s1	SLE-R-180	Min P	-14317.1	242.402	-440.519	-14.99	-2602.14	2502.221
p1-s1	SLE-R-180	Max M2	-13845.6	242.33	-438.846	-16.105	-1452.09	2501.465
p1-s1	SLE-R-180	Min M2	-12698.1	241.363	-438.108	-13.2078	-6461.73	2491.307
p1-s1	SLE-R-180	Max M3	-13427.4	255.583	-439.228	-13.926	-3920.97	2640.618
p1-s1	SLE-R-180	Min M3	-13526.1	228.647	-439.604	-16.8908	-3844.99	2357.795
p1-s1	SLE-R-181	Max P	-11786.8	218.954	468.208	-4.0197	5836.133	2267.653
p1-s1	SLE-R-181	Min P	-13989.2	213.842	473.815	-3.7331	2850.042	2213.985
p1-s1	SLE-R-181	Max M2	-12362.5	216.576	471.269	-5.5122	6853.602	2242.692
p1-s1	SLE-R-181	Min M2	-13501.7	214.471	472.418	-2.7543	1847.296	2220.584
p1-s1	SLE-R-181	Max M3	-13074.6	226.345	472.823	-4.8765	4427.156	2345.262
p1-s1	SLE-R-181	Min M3	-13196.2	203.233	473.161	-2.0246	4079.717	2102.592

p1-s1	SLE-R-182	Max P	-11819.6	218.968	474.773	-5.7082	5918.722	2267.809
p1-s1	SLE-R-182	Min P	-14025.5	216.264	469.43	-6.0651	8703.992	2239.418
p1-s1	SLE-R-182	Max M2	-13554	216.192	471.102	-7.1802	9854.038	2238.661
p1-s1	SLE-R-182	Min M2	-12406.6	215.225	471.841	-4.2829	4844.4	2228.503
p1-s1	SLE-R-182	Max M3	-13135.9	229.445	470.721	-5.0011	7385.166	2377.814
p1-s1	SLE-R-182	Min M3	-13234.6	202.51	470.345	-7.966	7461.141	2094.991
p1-s1	SLE-R-183	Max P	-11782.9	247.19	-441.725	-13.0221	-5344.06	2552.492
p1-s1	SLE-R-183	Min P	-13985.3	242.079	-436.118	-12.7355	-8330.15	2498.824
p1-s1	SLE-R-183	Max M2	-12358.6	244.813	-438.664	-14.5146	-4326.59	2527.532
p1-s1	SLE-R-183	Min M2	-13497.8	242.707	-437.515	-11.7567	-9332.9	2505.423
p1-s1	SLE-R-183	Max M3	-13070.7	254.581	-437.11	-13.8789	-6753.04	2630.101
p1-s1	SLE-R-183	Min M3	-13192.3	231.47	-436.772	-11.027	-7100.47	2387.432
p1-s1	SLE-R-184	Max P	-11815.7	247.205	-435.16	-14.7106	-5261.47	2552.648
p1-s1	SLE-R-184	Min P	-14021.6	244.501	-440.503	-15.0675	-2476.2	2524.257
p1-s1	SLE-R-184	Max M2	-13550.1	244.429	-438.83	-16.1826	-1326.15	2523.501
p1-s1	SLE-R-184	Min M2	-12402.7	243.461	-438.092	-13.2853	-6335.79	2513.343
p1-s1	SLE-R-184	Max M3	-13132	257.681	-439.212	-14.0035	-3795.03	2662.653
p1-s1	SLE-R-184	Min M3	-13230.7	230.746	-439.588	-16.9684	-3719.05	2379.831
p1-s1	SLE-R-185	Max P	-12229.7	218.674	468.256	-3.9648	5727.597	2264.719
p1-s1	SLE-R-185	Min P	-14432.1	213.563	473.862	-3.6782	2741.505	2211.051
p1-s1	SLE-R-185	Max M2	-12805.4	216.297	471.316	-5.4572	6745.066	2239.758
p1-s1	SLE-R-185	Min M2	-13944.6	214.191	472.465	-2.6993	1738.759	2217.65
p1-s1	SLE-R-185	Max M3	-13517.5	226.065	472.87	-4.8215	4318.62	2342.328
p1-s1	SLE-R-185	Min M3	-13639.1	202.954	473.208	-1.9697	3971.181	2099.658
p1-s1	SLE-R-186	Max P	-12262.5	218.689	474.82	-5.6532	5810.186	2264.875
p1-s1	SLE-R-186	Min P	-14468.4	215.985	469.477	-6.0102	8595.456	2236.484
p1-s1	SLE-R-186	Max M2	-13996.9	215.913	471.15	-7.1252	9745.502	2235.728
p1-s1	SLE-R-186	Min M2	-12849.5	214.946	471.888	-4.228	4735.864	2225.57
p1-s1	SLE-R-186	Max M3	-13578.8	229.166	470.768	-4.9462	7276.63	2374.88
p1-s1	SLE-R-186	Min M3	-13677.5	202.23	470.392	-7.911	7352.605	2092.058
p1-s1	SLE-R-187	Max P	-12225.8	246.911	-441.677	-12.9672	-5452.59	2549.558
p1-s1	SLE-R-187	Min P	-14428.2	241.799	-436.071	-12.6806	-8438.69	2495.89
p1-s1	SLE-R-187	Max M2	-12801.5	244.533	-438.617	-14.4596	-4435.13	2524.598
p1-s1	SLE-R-187	Min M2	-13940.7	242.428	-437.467	-11.7017	-9441.43	2502.489
p1-s1	SLE-R-187	Max M3	-13513.6	254.302	-437.063	-13.8239	-6861.57	2627.167
p1-s1	SLE-R-187	Min M3	-13635.2	231.19	-436.725	-10.972	-7209.01	2384.498
p1-s1	SLE-R-188	Max P	-12258.6	246.925	-435.113	-14.6556	-5370.01	2549.715
p1-s1	SLE-R-188	Min P	-14464.5	244.221	-440.455	-15.0126	-2584.74	2521.323
p1-s1	SLE-R-188	Max M2	-13993	244.149	-438.783	-16.1276	-1434.69	2520.567
p1-s1	SLE-R-188	Min M2	-12845.6	243.182	-438.045	-13.2304	-6444.33	2510.409
p1-s1	SLE-R-188	Max M3	-13574.9	257.402	-439.165	-13.9486	-3903.56	2659.72
p1-s1	SLE-R-188	Min M3	-13673.6	230.466	-439.541	-16.9134	-3827.59	2376.897
p1-s1	SLE-R-189	Max P	-11934.3	220.773	468.271	-4.0423	5853.539	2286.755
p1-s1	SLE-R-189	Min P	-14136.6	215.661	473.878	-3.7557	2867.448	2233.087
p1-s1	SLE-R-189	Max M2	-12509.9	218.396	471.332	-5.5348	6871.008	2261.794
p1-s1	SLE-R-189	Min M2	-13649.1	216.29	472.481	-2.7769	1864.702	2239.686
p1-s1	SLE-R-189	Max M3	-13222	228.164	472.886	-4.8991	4444.562	2364.363
p1-s1	SLE-R-189	Min M3	-13343.6	205.053	473.224	-2.0472	4097.123	2121.694
p1-s1	SLE-R-190	Max P	-11967	220.788	474.836	-5.7308	5936.128	2286.911
p1-s1	SLE-R-190	Min P	-14173	218.084	469.493	-6.0877	8721.398	2258.52
p1-s1	SLE-R-190	Max M2	-13701.5	218.012	471.166	-7.2028	9871.444	2257.763

p1-s1	SLE-R-190	Min M2	-12554	217.044	471.904	-4.3055	4861.806	2247.605
p1-s1	SLE-R-190	Max M3	-13283.3	231.264	470.784	-5.0237	7402.572	2396.916
p1-s1	SLE-R-190	Min M3	-13382	204.329	470.408	-7.9886	7478.547	2114.093
p1-s1	SLE-R-191	Max P	-11930.4	249.009	-441.661	-13.0447	-5326.65	2571.594
p1-s1	SLE-R-191	Min P	-14132.7	243.898	-436.055	-12.7581	-8312.74	2517.926
p1-s1	SLE-R-191	Max M2	-12506	246.632	-438.601	-14.5372	-4309.18	2546.634
p1-s1	SLE-R-191	Min M2	-13645.2	244.526	-437.452	-11.7793	-9315.49	2524.525
p1-s1	SLE-R-191	Max M3	-13218.1	256.4	-437.047	-13.9015	-6735.63	2649.203
p1-s1	SLE-R-191	Min M3	-13339.7	233.289	-436.709	-11.0496	-7083.07	2406.534
p1-s1	SLE-R-192	Max P	-11963.1	249.024	-435.097	-14.7332	-5244.06	2571.75
p1-s1	SLE-R-192	Min P	-14169.1	246.32	-440.44	-15.0901	-2458.79	2543.359
p1-s1	SLE-R-192	Max M2	-13697.6	246.248	-438.767	-16.2052	-1308.75	2542.603
p1-s1	SLE-R-192	Min M2	-12550.1	245.281	-438.029	-13.3079	-6318.39	2532.445
p1-s1	SLE-R-192	Max M3	-13279.4	259.501	-439.149	-14.0261	-3777.62	2681.755
p1-s1	SLE-R-192	Min M3	-13378.1	232.565	-439.525	-16.991	-3701.64	2398.933
p1-s1	SLE-R-193	Max P	-12083.3	204.966	759.058	8.3052	9262.662	2124.667
p1-s1	SLE-R-193	Min P	-14285.7	199.855	764.664	8.5918	6276.571	2070.999
p1-s1	SLE-R-193	Max M2	-12659	202.589	762.118	6.8128	10280.13	2099.707
p1-s1	SLE-R-193	Min M2	-13798.2	200.483	763.267	9.5707	5273.825	2077.598
p1-s1	SLE-R-193	Max M3	-13371.1	212.357	763.672	7.4485	7853.685	2202.276
p1-s1	SLE-R-193	Min M3	-13492.7	189.246	764.01	10.3003	7506.246	1959.607
p1-s1	SLE-R-194	Max P	-12116.1	204.981	765.622	6.6168	9345.251	2124.823
p1-s1	SLE-R-194	Min P	-14322	202.277	760.279	6.2598	12130.52	2096.432
p1-s1	SLE-R-194	Max M2	-13850.5	202.205	761.952	5.1448	13280.57	2095.676
p1-s1	SLE-R-194	Min M2	-12703	201.238	762.69	8.042	8270.929	2085.518
p1-s1	SLE-R-194	Max M3	-13432.3	215.458	761.57	7.3238	10811.69	2234.828
p1-s1	SLE-R-194	Min M3	-13531	188.522	761.194	4.359	10887.67	1952.006
p1-s1	SLE-R-195	Max P	-12076.8	252.027	-757.497	-6.6988	-9370.99	2599.399
p1-s1	SLE-R-195	Min P	-14279.2	246.916	-751.891	-6.4122	-12357.1	2545.732
p1-s1	SLE-R-195	Max M2	-12652.5	249.65	-754.437	-8.1912	-8353.52	2574.439
p1-s1	SLE-R-195	Min M2	-13791.7	247.544	-753.287	-5.4333	-13359.8	2552.33
p1-s1	SLE-R-195	Max M3	-13364.6	259.418	-752.883	-7.5555	-10780	2677.008
p1-s1	SLE-R-195	Min M3	-13486.2	236.307	-752.545	-4.7036	-11127.4	2434.339
p1-s1	SLE-R-196	Max P	-12109.6	252.042	-750.932	-8.3872	-9288.4	2599.556
p1-s1	SLE-R-196	Min P	-14315.5	249.338	-756.275	-8.7442	-6503.13	2571.165
p1-s1	SLE-R-196	Max M2	-13844	249.266	-754.603	-9.8592	-5353.08	2570.408
p1-s1	SLE-R-196	Min M2	-12696.5	248.298	-753.865	-6.962	-10362.7	2560.25
p1-s1	SLE-R-196	Max M3	-13425.8	262.518	-754.985	-7.6802	-7821.96	2709.561
p1-s1	SLE-R-196	Min M3	-13524.5	235.583	-755.361	-10.645	-7745.98	2426.738
p1-s1	SLE-R-197	Max P	-11787.8	207.065	759.073	8.2277	9388.604	2146.703
p1-s1	SLE-R-197	Min P	-13990.2	201.954	764.68	8.5143	6402.513	2093.035
p1-s1	SLE-R-197	Max M2	-12363.5	204.688	762.134	6.7352	10406.07	2121.742
p1-s1	SLE-R-197	Min M2	-13502.7	202.582	763.283	9.4931	5399.767	2099.634
p1-s1	SLE-R-197	Max M3	-13075.6	214.456	763.688	7.3709	7979.627	2224.312
p1-s1	SLE-R-197	Min M3	-13197.2	191.345	764.026	10.2228	7632.188	1981.642
p1-s1	SLE-R-198	Max P	-11820.6	207.08	765.638	6.5392	9471.193	2146.859
p1-s1	SLE-R-198	Min P	-14026.5	204.376	760.295	6.1822	12256.46	2118.468
p1-s1	SLE-R-198	Max M2	-13555	204.304	761.968	5.0672	13406.51	2117.712
p1-s1	SLE-R-198	Min M2	-12407.6	203.336	762.706	7.9645	8396.871	2107.554
p1-s1	SLE-R-198	Max M3	-13136.9	217.556	761.586	7.2463	10937.64	2256.864
p1-s1	SLE-R-198	Min M3	-13235.6	190.621	761.21	4.2814	11013.61	1974.042

p1-s1	SLE-R-199	Max P	-11781.3	254.126	-757.481	-6.7763	-9245.05	2621.435
p1-s1	SLE-R-199	Min P	-13983.7	249.014	-751.875	-6.4897	-12231.1	2567.767
p1-s1	SLE-R-199	Max M2	-12357	251.748	-754.421	-8.2688	-8227.58	2596.475
p1-s1	SLE-R-199	Min M2	-13496.2	249.643	-753.272	-5.5109	-13233.9	2574.366
p1-s1	SLE-R-199	Max M3	-13069.1	261.517	-752.867	-7.6331	-10654	2699.044
p1-s1	SLE-R-199	Min M3	-13190.7	238.405	-752.529	-4.7812	-11001.5	2456.375
p1-s1	SLE-R-200	Max P	-11814.1	254.14	-750.917	-8.4648	-9162.46	2621.592
p1-s1	SLE-R-200	Min P	-14020	251.436	-756.26	-8.8217	-6377.19	2593.2
p1-s1	SLE-R-200	Max M2	-13548.5	251.364	-754.587	-9.9368	-5227.14	2592.444
p1-s1	SLE-R-200	Min M2	-12401.1	250.397	-753.849	-7.0395	-10236.8	2582.286
p1-s1	SLE-R-200	Max M3	-13130.4	264.617	-754.969	-7.7577	-7696.02	2731.596
p1-s1	SLE-R-200	Min M3	-13229.1	237.682	-755.345	-10.7226	-7620.04	2448.774
p1-s1	SLE-R-201	Max P	-12230.7	206.786	759.121	8.2826	9280.068	2143.769
p1-s1	SLE-R-201	Min P	-14433.1	201.674	764.727	8.5692	6293.977	2090.101
p1-s1	SLE-R-201	Max M2	-12806.4	204.408	762.181	6.7902	10297.54	2118.808
p1-s1	SLE-R-201	Min M2	-13945.6	202.303	763.331	9.5481	5291.23	2096.7
p1-s1	SLE-R-201	Max M3	-13518.5	214.177	763.735	7.4259	7871.091	2221.378
p1-s1	SLE-R-201	Min M3	-13640.1	191.065	764.073	10.2777	7523.652	1978.709
p1-s1	SLE-R-202	Max P	-12263.5	206.8	765.685	6.5942	9362.657	2143.925
p1-s1	SLE-R-202	Min P	-14469.4	204.096	760.343	6.2372	12147.93	2115.534
p1-s1	SLE-R-202	Max M2	-13997.9	204.024	762.015	5.1222	13297.97	2114.778
p1-s1	SLE-R-202	Min M2	-12850.5	203.057	762.753	8.0194	8288.335	2104.62
p1-s1	SLE-R-202	Max M3	-13579.8	217.277	761.633	7.3012	10829.1	2253.93
p1-s1	SLE-R-202	Min M3	-13678.5	190.341	761.257	4.3364	10905.08	1971.108
p1-s1	SLE-R-203	Max P	-12224.2	253.846	-757.434	-6.7214	-9353.58	2618.501
p1-s1	SLE-R-203	Min P	-14426.6	248.735	-751.827	-6.4348	-12339.7	2564.833
p1-s1	SLE-R-203	Max M2	-12799.9	251.469	-754.374	-8.2138	-8336.12	2593.541
p1-s1	SLE-R-203	Min M2	-13939.1	249.363	-753.224	-5.4559	-13342.4	2571.432
p1-s1	SLE-R-203	Max M3	-13512	261.237	-752.819	-7.5781	-10762.6	2696.11
p1-s1	SLE-R-203	Min M3	-13633.6	238.126	-752.481	-4.7262	-11110	2453.441
p1-s1	SLE-R-204	Max P	-12257	253.861	-750.869	-8.4098	-9270.99	2618.658
p1-s1	SLE-R-204	Min P	-14462.9	251.157	-756.212	-8.7668	-6485.73	2590.267
p1-s1	SLE-R-204	Max M2	-13991.4	251.085	-754.54	-9.8818	-5335.68	2589.51
p1-s1	SLE-R-204	Min M2	-12844	250.118	-753.801	-6.9846	-10345.3	2579.352
p1-s1	SLE-R-204	Max M3	-13573.3	264.338	-754.922	-7.7028	-7804.55	2728.663
p1-s1	SLE-R-204	Min M3	-13672	237.402	-755.297	-10.6676	-7728.58	2445.84
p1-s1	SLE-R-205	Max P	-11935.3	208.884	759.137	8.2051	9406.01	2165.805
p1-s1	SLE-R-205	Min P	-14137.6	203.773	764.743	8.4917	6419.919	2112.137
p1-s1	SLE-R-205	Max M2	-12511	206.507	762.197	6.7126	10423.48	2140.844
p1-s1	SLE-R-205	Min M2	-13650.2	204.401	763.346	9.4705	5417.173	2118.736
p1-s1	SLE-R-205	Max M3	-13223	216.275	763.751	7.3483	7997.033	2243.414
p1-s1	SLE-R-205	Min M3	-13344.6	193.164	764.089	10.2002	7649.594	2000.744
p1-s1	SLE-R-206	Max P	-11968	208.899	765.701	6.5166	9488.599	2165.961
p1-s1	SLE-R-206	Min P	-14174	206.195	760.358	6.1596	12273.87	2137.57
p1-s1	SLE-R-206	Max M2	-13702.5	206.123	762.031	5.0446	13423.92	2136.814
p1-s1	SLE-R-206	Min M2	-12555	205.156	762.769	7.9419	8414.277	2126.655
p1-s1	SLE-R-206	Max M3	-13284.3	219.376	761.649	7.2236	10955.04	2275.966
p1-s1	SLE-R-206	Min M3	-13383	192.44	761.273	4.2588	11031.02	1993.144
p1-s1	SLE-R-207	Max P	-11928.8	255.945	-757.418	-6.7989	-9227.64	2640.537
p1-s1	SLE-R-207	Min P	-14131.1	250.833	-751.812	-6.5123	-12213.7	2586.869
p1-s1	SLE-R-207	Max M2	-12504.5	253.568	-754.358	-8.2914	-8210.17	2615.577

p1-s1	SLE-R-207	Min M2	-13643.7	251.462	-753.208	-5.5335	-13216.5	2593.468
p1-s1	SLE-R-207	Max M3	-13216.5	263.336	-752.804	-7.6557	-10636.6	2718.146
p1-s1	SLE-R-207	Min M3	-13338.1	240.225	-752.466	-4.8038	-10984.1	2475.477
p1-s1	SLE-R-208	Max P	-11961.5	255.96	-750.854	-8.4874	-9145.05	2640.693
p1-s1	SLE-R-208	Min P	-14167.5	253.256	-756.196	-8.8443	-6359.78	2612.302
p1-s1	SLE-R-208	Max M2	-13696	253.184	-754.524	-9.9594	-5209.74	2611.546
p1-s1	SLE-R-208	Min M2	-12548.5	252.216	-753.786	-7.0621	-10219.4	2601.388
p1-s1	SLE-R-208	Max M3	-13277.8	266.436	-754.906	-7.7803	-7678.61	2750.698
p1-s1	SLE-R-208	Min M3	-13376.5	239.501	-755.282	-10.7452	-7602.63	2467.876
p1-s1	SLE-R-209	Max P	-12033.8	364.489	458.571	5.1927	5582.636	3770.985
p1-s1	SLE-R-209	Min P	-14236.1	359.378	464.177	5.4793	2596.544	3717.317
p1-s1	SLE-R-209	Max M2	-12609.5	362.112	461.631	3.7002	6600.104	3746.024
p1-s1	SLE-R-209	Min M2	-13748.7	360.006	462.78	6.4581	1593.798	3723.916
p1-s1	SLE-R-209	Max M3	-13321.5	371.881	463.185	4.3359	4173.658	3848.594
p1-s1	SLE-R-209	Min M3	-13443.1	348.769	463.523	7.1878	3826.219	3605.925
p1-s1	SLE-R-210	Max P	-12066.5	364.504	465.135	3.5042	5665.224	3771.141
p1-s1	SLE-R-210	Min P	-14272.5	361.8	459.792	3.1473	8450.494	3742.75
p1-s1	SLE-R-210	Max M2	-13801	361.728	461.465	2.0322	9600.54	3741.994
p1-s1	SLE-R-210	Min M2	-12653.5	360.761	462.203	4.9295	4590.902	3731.836
p1-s1	SLE-R-210	Max M3	-13382.8	374.981	461.083	4.2113	7131.668	3881.146
p1-s1	SLE-R-210	Min M3	-13481.5	348.045	460.707	1.2464	7207.644	3598.324
p1-s1	SLE-R-211	Max P	-12029.9	392.726	-451.362	-3.8097	-5597.56	4055.824
p1-s1	SLE-R-211	Min P	-14232.2	387.614	-445.756	-3.5231	-8583.65	4002.157
p1-s1	SLE-R-211	Max M2	-12605.6	390.348	-448.302	-5.3021	-4580.09	4030.864
p1-s1	SLE-R-211	Min M2	-13744.8	388.243	-447.153	-2.5443	-9586.39	4008.755
p1-s1	SLE-R-211	Max M3	-13317.6	400.117	-446.748	-4.6665	-7006.53	4133.433
p1-s1	SLE-R-211	Min M3	-13439.2	377.006	-446.41	-1.8146	-7353.97	3890.764
p1-s1	SLE-R-212	Max P	-12062.6	392.741	-444.798	-5.4982	-5514.97	4055.981
p1-s1	SLE-R-212	Min P	-14268.6	390.036	-450.141	-5.8551	-2729.7	4027.59
p1-s1	SLE-R-212	Max M2	-13797.1	389.964	-448.468	-6.9702	-1579.65	4026.833
p1-s1	SLE-R-212	Min M2	-12649.6	388.997	-447.73	-4.0729	-6589.29	4016.675
p1-s1	SLE-R-212	Max M3	-13378.9	403.217	-448.85	-4.7911	-4048.52	4165.986
p1-s1	SLE-R-212	Min M3	-13477.6	376.282	-449.226	-7.7559	-3972.55	3883.163
p1-s1	SLE-R-213	Max P	-11738.3	366.588	458.586	5.1152	5708.578	3793.021
p1-s1	SLE-R-213	Min P	-13940.7	361.477	464.193	5.4017	2722.486	3739.353
p1-s1	SLE-R-213	Max M2	-12314	364.211	461.647	3.6227	6726.046	3768.06
p1-s1	SLE-R-213	Min M2	-13453.2	362.105	462.796	6.3806	1719.74	3745.952
p1-s1	SLE-R-213	Max M3	-13026.1	373.979	463.201	4.2584	4299.6	3870.63
p1-s1	SLE-R-213	Min M3	-13147.6	350.868	463.539	7.1103	3952.161	3627.96
p1-s1	SLE-R-214	Max P	-11771.1	366.603	465.151	3.4267	5791.166	3793.177
p1-s1	SLE-R-214	Min P	-13977	363.899	459.808	3.0697	8576.436	3764.786
p1-s1	SLE-R-214	Max M2	-13505.5	363.827	461.48	1.9547	9726.483	3764.03
p1-s1	SLE-R-214	Min M2	-12358	362.859	462.219	4.8519	4716.844	3753.871
p1-s1	SLE-R-214	Max M3	-13087.3	377.079	461.099	4.1337	7257.61	3903.182
p1-s1	SLE-R-214	Min M3	-13186	350.144	460.723	1.1689	7333.586	3620.36
p1-s1	SLE-R-215	Max P	-11734.4	394.824	-451.347	-3.8872	-5471.61	4077.86
p1-s1	SLE-R-215	Min P	-13936.8	389.713	-445.74	-3.6006	-8457.71	4024.192
p1-s1	SLE-R-215	Max M2	-12310.1	392.447	-448.286	-5.3797	-4454.15	4052.9
p1-s1	SLE-R-215	Min M2	-13449.3	390.341	-447.137	-2.6218	-9460.45	4030.791
p1-s1	SLE-R-215	Max M3	-13022.2	402.216	-446.732	-4.744	-6880.59	4155.469
p1-s1	SLE-R-215	Min M3	-13143.7	379.104	-446.394	-1.8921	-7228.03	3912.8

p1-s1	SLE-R-216	Max P	-11767.2	394.839	-444.782	-5.5757	-5389.02	4078.016
p1-s1	SLE-R-216	Min P	-13973.1	392.135	-450.125	-5.9327	-2603.76	4049.625
p1-s1	SLE-R-216	Max M2	-13501.6	392.063	-448.452	-7.0477	-1453.71	4048.869
p1-s1	SLE-R-216	Min M2	-12354.1	391.096	-447.714	-4.1505	-6463.35	4038.711
p1-s1	SLE-R-216	Max M3	-13083.4	405.316	-448.834	-4.8687	-3922.58	4188.021
p1-s1	SLE-R-216	Min M3	-13182.1	378.38	-449.21	-7.8335	-3846.61	3905.199
p1-s1	SLE-R-217	Max P	-12279.5	367.521	458.676	5.155	5611.646	3802.822
p1-s1	SLE-R-217	Min P	-14481.9	362.41	464.282	5.4416	2625.554	3749.154
p1-s1	SLE-R-217	Max M2	-12855.2	365.144	461.736	3.6626	6629.114	3777.861
p1-s1	SLE-R-217	Min M2	-13994.4	363.038	462.886	6.4205	1622.808	3755.752
p1-s1	SLE-R-217	Max M3	-13567.3	374.913	463.29	4.2983	4202.668	3880.43
p1-s1	SLE-R-217	Min M3	-13688.8	351.801	463.628	7.1501	3855.229	3637.761
p1-s1	SLE-R-218	Max P	-12312.3	367.536	465.24	3.4666	5694.234	3802.978
p1-s1	SLE-R-218	Min P	-14518.2	364.832	459.898	3.1096	8479.504	3774.587
p1-s1	SLE-R-218	Max M2	-14046.7	364.76	461.57	1.9946	9629.55	3773.83
p1-s1	SLE-R-218	Min M2	-12899.2	363.793	462.308	4.8918	4619.912	3763.672
p1-s1	SLE-R-218	Max M3	-13628.5	378.013	461.188	4.1736	7160.678	3912.983
p1-s1	SLE-R-218	Min M3	-13727.2	351.077	460.812	1.2088	7236.653	3630.16
p1-s1	SLE-R-219	Max P	-12275.6	395.758	-451.257	-3.8474	-5568.55	4087.661
p1-s1	SLE-R-219	Min P	-14478	390.646	-445.651	-3.5608	-8554.64	4033.993
p1-s1	SLE-R-219	Max M2	-12851.3	393.381	-448.197	-5.3398	-4551.08	4062.7
p1-s1	SLE-R-219	Min M2	-13990.5	391.275	-447.047	-2.5819	-9557.38	4040.592
p1-s1	SLE-R-219	Max M3	-13563.4	403.149	-446.642	-4.7041	-6977.52	4165.27
p1-s1	SLE-R-219	Min M3	-13684.9	380.038	-446.305	-1.8522	-7324.96	3922.601
p1-s1	SLE-R-220	Max P	-12308.4	395.773	-444.692	-5.5358	-5485.96	4087.817
p1-s1	SLE-R-220	Min P	-14514.3	393.069	-450.035	-5.8928	-2700.69	4059.426
p1-s1	SLE-R-220	Max M2	-14042.8	392.997	-448.363	-7.0078	-1550.64	4058.67
p1-s1	SLE-R-220	Min M2	-12895.3	392.029	-447.625	-4.1106	-6560.28	4048.512
p1-s1	SLE-R-220	Max M3	-13624.6	406.249	-448.745	-4.8288	-4019.51	4197.822
p1-s1	SLE-R-220	Min M3	-13723.3	379.314	-449.121	-7.7936	-3943.54	3915
p1-s1	SLE-R-221	Max P	-11984	369.62	458.692	5.0775	5737.588	3824.857
p1-s1	SLE-R-221	Min P	-14186.4	364.509	464.298	5.3641	2751.496	3771.189
p1-s1	SLE-R-221	Max M2	-12559.7	367.243	461.752	3.585	6755.056	3799.897
p1-s1	SLE-R-221	Min M2	-13698.9	365.137	462.901	6.3429	1748.75	3777.788
p1-s1	SLE-R-221	Max M3	-13271.8	377.011	463.306	4.2207	4328.61	3902.466
p1-s1	SLE-R-221	Min M3	-13393.4	353.9	463.644	7.0726	3981.171	3659.797
p1-s1	SLE-R-222	Max P	-12016.8	369.635	465.256	3.389	5820.176	3825.014
p1-s1	SLE-R-222	Min P	-14222.7	366.931	459.913	3.032	8605.446	3796.622
p1-s1	SLE-R-222	Max M2	-13751.2	366.859	461.586	1.917	9755.493	3795.866
p1-s1	SLE-R-222	Min M2	-12603.8	365.891	462.324	4.8143	4745.854	3785.708
p1-s1	SLE-R-222	Max M3	-13333.1	380.111	461.204	4.0961	7286.62	3935.019
p1-s1	SLE-R-222	Min M3	-13431.8	353.176	460.828	1.1312	7362.596	3652.196
p1-s1	SLE-R-223	Max P	-11980.1	397.856	-451.241	-3.9249	-5442.6	4109.697
p1-s1	SLE-R-223	Min P	-14182.5	392.745	-445.635	-3.6383	-8428.7	4056.029
p1-s1	SLE-R-223	Max M2	-12555.8	395.479	-448.181	-5.4174	-4425.14	4084.736
p1-s1	SLE-R-223	Min M2	-13695	393.374	-447.031	-2.6595	-9431.44	4062.628
p1-s1	SLE-R-223	Max M3	-13267.9	405.248	-446.627	-4.7817	-6851.58	4187.306
p1-s1	SLE-R-223	Min M3	-13389.5	382.136	-446.289	-1.9298	-7199.02	3944.636
p1-s1	SLE-R-224	Max P	-12012.9	397.871	-444.677	-5.6134	-5360.01	4109.853
p1-s1	SLE-R-224	Min P	-14218.8	395.167	-450.02	-5.9703	-2574.75	4081.462
p1-s1	SLE-R-224	Max M2	-13747.3	395.095	-448.347	-7.0854	-1424.7	4080.706

p1-s1	SLE-R-224	Min M2	-12599.9	394.128	-447.609	-4.1881	-6434.34	4070.547
p1-s1	SLE-R-224	Max M3	-13329.2	408.348	-448.729	-4.9063	-3893.57	4219.858
p1-s1	SLE-R-224	Min M3	-13427.9	381.412	-449.105	-7.8712	-3817.6	3937.036

12.1.4. PILA 1-SOLLECITAZIONI SEZIONE DI BASE-COMBINAZIONI SLE FREQUENTI

TABLE: Element Forces - Frames								
Frame	OutputCase	StepType	P	V2	V3	T	M2	M3
Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
p1-s1	SLE-FR-1	Max P	-12091.7	-179.837	-6.907	0.9886	-74.2604	-1857.29
p1-s1	SLE-FR-1	Min P	-14294.1	-184.949	-1.301	1.2752	-3060.35	-1910.96
p1-s1	SLE-FR-1	Max M2	-12667.4	-182.215	-3.847	-0.5038	943.2082	-1882.25
p1-s1	SLE-FR-1	Min M2	-13806.6	-184.32	-2.697	2.2541	-4063.1	-1904.36
p1-s1	SLE-FR-1	Max M3	-13379.5	-172.446	-2.293	0.1319	-1483.24	-1779.68
p1-s1	SLE-FR-1	Min M3	-13501.1	-195.558	-1.955	2.9838	-1830.68	-2022.35
p1-s1	SLE-FR-2	Max P	-12124.5	-179.823	-0.342	-0.6998	8.3285	-1857.14
p1-s1	SLE-FR-2	Min P	-14330.5	-182.527	-5.685	-1.0568	2793.598	-1885.53
p1-s1	SLE-FR-2	Max M2	-13859	-182.599	-4.013	-2.1718	3943.645	-1886.28
p1-s1	SLE-FR-2	Min M2	-12711.5	-183.566	-3.275	0.7254	-1065.99	-1896.44
p1-s1	SLE-FR-2	Max M3	-13440.8	-169.346	-4.395	0.0072	1474.772	-1747.13
p1-s1	SLE-FR-2	Min M3	-13539.5	-196.282	-4.771	-2.9576	1550.748	-2029.95
p1-s1	SLE-FR-3	Max P	-11796.3	-177.739	-6.891	0.9111	51.6817	-1835.26
p1-s1	SLE-FR-3	Min P	-13998.7	-182.85	-1.285	1.1977	-2934.41	-1888.92
p1-s1	SLE-FR-3	Max M2	-12372	-180.116	-3.831	-0.5814	1069.15	-1860.22
p1-s1	SLE-FR-3	Min M2	-13511.2	-182.222	-2.682	2.1765	-3937.16	-1882.33
p1-s1	SLE-FR-3	Max M3	-13084	-170.348	-2.277	0.0543	-1357.3	-1757.65
p1-s1	SLE-FR-3	Min M3	-13205.6	-193.459	-1.939	2.9062	-1704.73	-2000.32
p1-s1	SLE-FR-4	Max P	-11829.1	-177.724	-0.327	-0.7774	134.2705	-1835.1
p1-s1	SLE-FR-4	Min P	-14035	-180.428	-5.67	-1.1343	2919.54	-1863.49
p1-s1	SLE-FR-4	Max M2	-13563.5	-180.5	-3.997	-2.2494	4069.587	-1864.25
p1-s1	SLE-FR-4	Min M2	-12416	-181.467	-3.259	0.6479	-940.052	-1874.41
p1-s1	SLE-FR-4	Max M3	-13145.3	-167.247	-4.379	-0.0703	1600.714	-1725.1
p1-s1	SLE-FR-4	Min M3	-13244	-194.183	-4.755	-3.0352	1676.69	-2007.92
p1-s1	SLE-FR-5	Max P	-12091.7	-179.837	-6.907	0.9886	-74.2604	-1857.29
p1-s1	SLE-FR-5	Min P	-14294.1	-184.949	-1.301	1.2752	-3060.35	-1910.96
p1-s1	SLE-FR-5	Max M2	-12667.4	-182.215	-3.847	-0.5038	943.2082	-1882.25
p1-s1	SLE-FR-5	Min M2	-13806.6	-184.32	-2.697	2.2541	-4063.1	-1904.36
p1-s1	SLE-FR-5	Max M3	-13379.5	-172.446	-2.293	0.1319	-1483.24	-1779.68
p1-s1	SLE-FR-5	Min M3	-13501.1	-195.558	-1.955	2.9838	-1830.68	-2022.35
p1-s1	SLE-FR-6	Max P	-12124.5	-179.823	-0.342	-0.6998	8.3285	-1857.14
p1-s1	SLE-FR-6	Min P	-14330.5	-182.527	-5.685	-1.0568	2793.598	-1885.53
p1-s1	SLE-FR-6	Max M2	-13859	-182.599	-4.013	-2.1718	3943.645	-1886.28
p1-s1	SLE-FR-6	Min M2	-12711.5	-183.566	-3.275	0.7254	-1065.99	-1896.44
p1-s1	SLE-FR-6	Max M3	-13440.8	-169.346	-4.395	0.0072	1474.772	-1747.13
p1-s1	SLE-FR-6	Min M3	-13539.5	-196.282	-4.771	-2.9576	1550.748	-2029.95
p1-s1	SLE-FR-7	Max P	-11796.3	-177.739	-6.891	0.9111	51.6817	-1835.26
p1-s1	SLE-FR-7	Min P	-13998.7	-182.85	-1.285	1.1977	-2934.41	-1888.92
p1-s1	SLE-FR-7	Max M2	-12372	-180.116	-3.831	-0.5814	1069.15	-1860.22
p1-s1	SLE-FR-7	Min M2	-13511.2	-182.222	-2.682	2.1765	-3937.16	-1882.33
p1-s1	SLE-FR-7	Max M3	-13084	-170.348	-2.277	0.0543	-1357.3	-1757.65

p1-s1	SLE-FR-7	Min M3	-13205.6	-193.459	-1.939	2.9062	-1704.73	-2000.32
p1-s1	SLE-FR-8	Max P	-11829.1	-177.724	-0.327	-0.7774	134.2705	-1835.1
p1-s1	SLE-FR-8	Min P	-14035	-180.428	-5.67	-1.1343	2919.54	-1863.49
p1-s1	SLE-FR-8	Max M2	-13563.5	-180.5	-3.997	-2.2494	4069.587	-1864.25
p1-s1	SLE-FR-8	Min M2	-12416	-181.467	-3.259	0.6479	-940.052	-1874.41
p1-s1	SLE-FR-8	Max M3	-13145.3	-167.247	-4.379	-0.0703	1600.714	-1725.1
p1-s1	SLE-FR-8	Min M3	-13244	-194.183	-4.755	-3.0352	1676.69	-2007.92
p1-s1	SLE-FR-9	Max P	-12214.6	-178.321	-6.854	0.9698	-59.7554	-1841.37
p1-s1	SLE-FR-9	Min P	-14417	-183.433	-1.248	1.2564	-3045.85	-1895.04
p1-s1	SLE-FR-9	Max M2	-12790.3	-180.699	-3.794	-0.5226	957.7132	-1866.34
p1-s1	SLE-FR-9	Min M2	-13929.5	-182.804	-2.645	2.2352	-4048.59	-1888.44
p1-s1	SLE-FR-9	Max M3	-13502.4	-170.93	-2.24	0.113	-1468.73	-1763.77
p1-s1	SLE-FR-9	Min M3	-13624	-194.042	-1.902	2.9649	-1816.17	-2006.43
p1-s1	SLE-FR-10	Max P	-12247.4	-178.307	-0.29	-0.7187	22.8334	-1841.22
p1-s1	SLE-FR-10	Min P	-14453.3	-181.011	-5.633	-1.0756	2808.103	-1869.61
p1-s1	SLE-FR-10	Max M2	-13981.8	-181.083	-3.96	-2.1907	3958.15	-1870.37
p1-s1	SLE-FR-10	Min M2	-12834.4	-182.05	-3.222	0.7066	-1051.49	-1880.52
p1-s1	SLE-FR-10	Max M3	-13563.7	-167.83	-4.342	-0.0116	1489.277	-1731.21
p1-s1	SLE-FR-10	Min M3	-13662.4	-194.765	-4.718	-2.9765	1565.253	-2014.04
p1-s1	SLE-FR-11	Max P	-11919.1	-176.223	-6.839	0.8923	66.1866	-1819.34
p1-s1	SLE-FR-11	Min P	-14121.5	-181.334	-1.232	1.1789	-2919.91	-1873.01
p1-s1	SLE-FR-11	Max M2	-12494.8	-178.6	-3.778	-0.6002	1083.655	-1844.3
p1-s1	SLE-FR-11	Min M2	-13634	-180.706	-2.629	2.1577	-3922.65	-1866.41
p1-s1	SLE-FR-11	Max M3	-13206.9	-168.832	-2.224	0.0355	-1342.79	-1741.73
p1-s1	SLE-FR-11	Min M3	-13328.5	-191.943	-1.886	2.8874	-1690.23	-1984.4
p1-s1	SLE-FR-12	Max P	-11951.9	-176.208	-0.274	-0.7962	148.7755	-1819.18
p1-s1	SLE-FR-12	Min P	-14157.9	-178.912	-5.617	-1.1532	2934.045	-1847.57
p1-s1	SLE-FR-12	Max M2	-13686.3	-178.984	-3.944	-2.2682	4084.092	-1848.33
p1-s1	SLE-FR-12	Min M2	-12538.9	-179.951	-3.206	0.629	-925.547	-1858.49
p1-s1	SLE-FR-12	Max M3	-13268.2	-165.731	-4.326	-0.0892	1615.219	-1709.18
p1-s1	SLE-FR-12	Min M3	-13366.9	-192.667	-4.702	-3.054	1691.195	-1992
p1-s1	SLE-FR-13	Max P	-12214.6	-178.321	-6.854	0.9698	-59.7554	-1841.37
p1-s1	SLE-FR-13	Min P	-14417	-183.433	-1.248	1.2564	-3045.85	-1895.04
p1-s1	SLE-FR-13	Max M2	-12790.3	-180.699	-3.794	-0.5226	957.7132	-1866.34
p1-s1	SLE-FR-13	Min M2	-13929.5	-182.804	-2.645	2.2352	-4048.59	-1888.44
p1-s1	SLE-FR-13	Max M3	-13502.4	-170.93	-2.24	0.113	-1468.73	-1763.77
p1-s1	SLE-FR-13	Min M3	-13624	-194.042	-1.902	2.9649	-1816.17	-2006.43
p1-s1	SLE-FR-14	Max P	-12247.4	-178.307	-0.29	-0.7187	22.8334	-1841.22
p1-s1	SLE-FR-14	Min P	-14453.3	-181.011	-5.633	-1.0756	2808.103	-1869.61
p1-s1	SLE-FR-14	Max M2	-13981.8	-181.083	-3.96	-2.1907	3958.15	-1870.37
p1-s1	SLE-FR-14	Min M2	-12834.4	-182.05	-3.222	0.7066	-1051.49	-1880.52
p1-s1	SLE-FR-14	Max M3	-13563.7	-167.83	-4.342	-0.0116	1489.277	-1731.21
p1-s1	SLE-FR-14	Min M3	-13662.4	-194.765	-4.718	-2.9765	1565.253	-2014.04
p1-s1	SLE-FR-15	Max P	-11919.1	-176.223	-6.839	0.8923	66.1866	-1819.34
p1-s1	SLE-FR-15	Min P	-14121.5	-181.334	-1.232	1.1789	-2919.91	-1873.01
p1-s1	SLE-FR-15	Max M2	-12494.8	-178.6	-3.778	-0.6002	1083.655	-1844.3
p1-s1	SLE-FR-15	Min M2	-13634	-180.706	-2.629	2.1577	-3922.65	-1866.41
p1-s1	SLE-FR-15	Max M3	-13206.9	-168.832	-2.224	0.0355	-1342.79	-1741.73
p1-s1	SLE-FR-15	Min M3	-13328.5	-191.943	-1.886	2.8874	-1690.23	-1984.4
p1-s1	SLE-FR-16	Max P	-11951.9	-176.208	-0.274	-0.7962	148.7755	-1819.18
p1-s1	SLE-FR-16	Min P	-14157.9	-178.912	-5.617	-1.1532	2934.045	-1847.57

p1-s1	SLE-FR-16	Max M2	-13686.3	-178.984	-3.944	-2.2682	4084.092	-1848.33
p1-s1	SLE-FR-16	Min M2	-12538.9	-179.951	-3.206	0.629	-925.547	-1858.49
p1-s1	SLE-FR-16	Max M3	-13268.2	-165.731	-4.326	-0.0892	1615.219	-1709.18
p1-s1	SLE-FR-16	Min M3	-13366.9	-192.667	-4.702	-3.054	1691.195	-1992
p1-s1	SLE-FR-17	Max P	-12311.7	-188.558	148.259	1.568	1787.464	-1946.91
p1-s1	SLE-FR-17	Min P	-12311.7	-188.558	148.259	1.568	1787.464	-1946.91
p1-s1	SLE-FR-17	Max M2	-12311.7	-188.558	148.259	1.568	1787.464	-1946.91
p1-s1	SLE-FR-17	Min M2	-12311.7	-188.558	148.259	1.568	1787.464	-1946.91
p1-s1	SLE-FR-17	Max M3	-12311.7	-188.558	148.259	1.568	1787.464	-1946.91
p1-s1	SLE-FR-17	Min M3	-12311.7	-188.558	148.259	1.568	1787.464	-1946.91
p1-s1	SLE-FR-18	Max P	-12310.4	-179.146	-155.052	-1.4328	-1939.27	-1851.97
p1-s1	SLE-FR-18	Min P	-12310.4	-179.146	-155.052	-1.4328	-1939.27	-1851.97
p1-s1	SLE-FR-18	Max M2	-12310.4	-179.146	-155.052	-1.4328	-1939.27	-1851.97
p1-s1	SLE-FR-18	Min M2	-12310.4	-179.146	-155.052	-1.4328	-1939.27	-1851.97
p1-s1	SLE-FR-18	Max M3	-12310.4	-179.146	-155.052	-1.4328	-1939.27	-1851.97
p1-s1	SLE-FR-18	Min M3	-12310.4	-179.146	-155.052	-1.4328	-1939.27	-1851.97
p1-s1	SLE-FR-19	Max P	-12016.2	-186.459	148.274	1.4905	1913.406	-1924.88
p1-s1	SLE-FR-19	Min P	-12016.2	-186.459	148.274	1.4905	1913.406	-1924.88
p1-s1	SLE-FR-19	Max M2	-12016.2	-186.459	148.274	1.4905	1913.406	-1924.88
p1-s1	SLE-FR-19	Min M2	-12016.2	-186.459	148.274	1.4905	1913.406	-1924.88
p1-s1	SLE-FR-19	Max M3	-12016.2	-186.459	148.274	1.4905	1913.406	-1924.88
p1-s1	SLE-FR-19	Min M3	-12016.2	-186.459	148.274	1.4905	1913.406	-1924.88
p1-s1	SLE-FR-20	Max P	-12014.9	-177.047	-155.037	-1.5103	-1813.32	-1829.93
p1-s1	SLE-FR-20	Min P	-12014.9	-177.047	-155.037	-1.5103	-1813.32	-1829.93
p1-s1	SLE-FR-20	Max M2	-12014.9	-177.047	-155.037	-1.5103	-1813.32	-1829.93
p1-s1	SLE-FR-20	Min M2	-12014.9	-177.047	-155.037	-1.5103	-1813.32	-1829.93
p1-s1	SLE-FR-20	Max M3	-12014.9	-177.047	-155.037	-1.5103	-1813.32	-1829.93
p1-s1	SLE-FR-20	Min M3	-12014.9	-177.047	-155.037	-1.5103	-1813.32	-1829.93
p1-s1	SLE-FR-21	Max P	-12434.5	-187.042	148.311	1.5492	1801.969	-1931
p1-s1	SLE-FR-21	Min P	-12434.5	-187.042	148.311	1.5492	1801.969	-1931
p1-s1	SLE-FR-21	Max M2	-12434.5	-187.042	148.311	1.5492	1801.969	-1931
p1-s1	SLE-FR-21	Min M2	-12434.5	-187.042	148.311	1.5492	1801.969	-1931
p1-s1	SLE-FR-21	Max M3	-12434.5	-187.042	148.311	1.5492	1801.969	-1931
p1-s1	SLE-FR-21	Min M3	-12434.5	-187.042	148.311	1.5492	1801.969	-1931
p1-s1	SLE-FR-22	Max P	-12433.2	-177.63	-155	-1.4516	-1924.76	-1836.05
p1-s1	SLE-FR-22	Min P	-12433.2	-177.63	-155	-1.4516	-1924.76	-1836.05
p1-s1	SLE-FR-22	Max M2	-12433.2	-177.63	-155	-1.4516	-1924.76	-1836.05
p1-s1	SLE-FR-22	Min M2	-12433.2	-177.63	-155	-1.4516	-1924.76	-1836.05
p1-s1	SLE-FR-22	Max M3	-12433.2	-177.63	-155	-1.4516	-1924.76	-1836.05
p1-s1	SLE-FR-22	Min M3	-12433.2	-177.63	-155	-1.4516	-1924.76	-1836.05
p1-s1	SLE-FR-23	Max P	-12139	-184.943	148.327	1.4717	1927.911	-1908.96
p1-s1	SLE-FR-23	Min P	-12139	-184.943	148.327	1.4717	1927.911	-1908.96
p1-s1	SLE-FR-23	Max M2	-12139	-184.943	148.327	1.4717	1927.911	-1908.96
p1-s1	SLE-FR-23	Min M2	-12139	-184.943	148.327	1.4717	1927.911	-1908.96
p1-s1	SLE-FR-23	Max M3	-12139	-184.943	148.327	1.4717	1927.911	-1908.96
p1-s1	SLE-FR-23	Min M3	-12139	-184.943	148.327	1.4717	1927.911	-1908.96
p1-s1	SLE-FR-24	Max P	-12137.7	-175.531	-154.984	-1.5291	-1798.82	-1814.01
p1-s1	SLE-FR-24	Min P	-12137.7	-175.531	-154.984	-1.5291	-1798.82	-1814.01
p1-s1	SLE-FR-24	Max M2	-12137.7	-175.531	-154.984	-1.5291	-1798.82	-1814.01
p1-s1	SLE-FR-24	Min M2	-12137.7	-175.531	-154.984	-1.5291	-1798.82	-1814.01
p1-s1	SLE-FR-24	Max M3	-12137.7	-175.531	-154.984	-1.5291	-1798.82	-1814.01

p1-s1	SLE-FR-24	Min M3	-12137.7	-175.531	-154.984	-1.5291	-1798.82	-1814.01
p1-s1	SLE-FR-25	Max P	-12298.8	-220.827	-4.095	0.0792	-72.9295	-2281.49
p1-s1	SLE-FR-25	Min P	-12298.8	-220.827	-4.095	0.0792	-72.9295	-2281.49
p1-s1	SLE-FR-25	Max M2	-12298.8	-220.827	-4.095	0.0792	-72.9295	-2281.49
p1-s1	SLE-FR-25	Min M2	-12298.8	-220.827	-4.095	0.0792	-72.9295	-2281.49
p1-s1	SLE-FR-25	Max M3	-12298.8	-220.827	-4.095	0.0792	-72.9295	-2281.49
p1-s1	SLE-FR-25	Min M3	-12298.8	-220.827	-4.095	0.0792	-72.9295	-2281.49
p1-s1	SLE-FR-26	Max P	-12446.2	-219.008	-4.032	0.0566	-55.5235	-2262.39
p1-s1	SLE-FR-26	Min P	-12446.2	-219.008	-4.032	0.0566	-55.5235	-2262.39
p1-s1	SLE-FR-26	Max M2	-12446.2	-219.008	-4.032	0.0566	-55.5235	-2262.39
p1-s1	SLE-FR-26	Min M2	-12446.2	-219.008	-4.032	0.0566	-55.5235	-2262.39
p1-s1	SLE-FR-26	Max M3	-12446.2	-219.008	-4.032	0.0566	-55.5235	-2262.39
p1-s1	SLE-FR-26	Min M3	-12446.2	-219.008	-4.032	0.0566	-55.5235	-2262.39
p1-s1	SLE-FR-27	Max P	-12003.3	-218.729	-4.079	0.0017	53.0125	-2259.45
p1-s1	SLE-FR-27	Min P	-12003.3	-218.729	-4.079	0.0017	53.0125	-2259.45
p1-s1	SLE-FR-27	Max M2	-12003.3	-218.729	-4.079	0.0017	53.0125	-2259.45
p1-s1	SLE-FR-27	Min M2	-12003.3	-218.729	-4.079	0.0017	53.0125	-2259.45
p1-s1	SLE-FR-27	Max M3	-12003.3	-218.729	-4.079	0.0017	53.0125	-2259.45
p1-s1	SLE-FR-27	Min M3	-12003.3	-218.729	-4.079	0.0017	53.0125	-2259.45
p1-s1	SLE-FR-28	Max P	-12150.7	-216.909	-4.016	-0.0209	70.4185	-2240.35
p1-s1	SLE-FR-28	Min P	-12150.7	-216.909	-4.016	-0.0209	70.4185	-2240.35
p1-s1	SLE-FR-28	Max M2	-12150.7	-216.909	-4.016	-0.0209	70.4185	-2240.35
p1-s1	SLE-FR-28	Min M2	-12150.7	-216.909	-4.016	-0.0209	70.4185	-2240.35
p1-s1	SLE-FR-28	Max M3	-12150.7	-216.909	-4.016	-0.0209	70.4185	-2240.35
p1-s1	SLE-FR-28	Min M3	-12150.7	-216.909	-4.016	-0.0209	70.4185	-2240.35
p1-s1	SLE-FR-29	Max P	-12093.1	194.105	0.143	0.7575	-1.4932	2007.119
p1-s1	SLE-FR-29	Min P	-14295.5	188.994	5.749	1.0441	-2987.59	1953.451
p1-s1	SLE-FR-29	Max M2	-12668.8	191.728	3.203	-0.735	1015.975	1982.158
p1-s1	SLE-FR-29	Min M2	-13808	189.622	4.353	2.0229	-3990.33	1960.05
p1-s1	SLE-FR-29	Max M3	-13380.9	201.496	4.757	-0.0993	-1410.47	2084.728
p1-s1	SLE-FR-29	Min M3	-13502.5	178.385	5.095	2.7526	-1757.91	1842.059
p1-s1	SLE-FR-30	Max P	-12125.9	194.12	6.707	-0.931	81.0956	2007.275
p1-s1	SLE-FR-30	Min P	-14331.8	191.416	1.365	-1.288	2866.365	1978.884
p1-s1	SLE-FR-30	Max M2	-13860.3	191.344	3.037	-2.403	4016.412	1978.128
p1-s1	SLE-FR-30	Min M2	-12712.8	190.376	3.775	0.4943	-993.227	1967.97
p1-s1	SLE-FR-30	Max M3	-13442.1	204.596	2.655	-0.224	1547.539	2117.28
p1-s1	SLE-FR-30	Min M3	-13540.9	177.661	2.279	-3.1888	1623.515	1834.458
p1-s1	SLE-FR-31	Max P	-11797.6	196.204	0.159	0.6799	124.4488	2029.155
p1-s1	SLE-FR-31	Min P	-14000	191.092	5.765	0.9665	-2861.64	1975.487
p1-s1	SLE-FR-31	Max M2	-12373.3	193.826	3.219	-0.8125	1141.917	2004.194
p1-s1	SLE-FR-31	Min M2	-13512.5	191.721	4.368	1.9454	-3864.39	1982.086
p1-s1	SLE-FR-31	Max M3	-13085.4	203.595	4.773	-0.1768	-1284.53	2106.764
p1-s1	SLE-FR-31	Min M3	-13207	180.483	5.111	2.675	-1631.97	1864.094
p1-s1	SLE-FR-32	Max P	-11830.4	196.218	6.723	-1.0085	207.0377	2029.311
p1-s1	SLE-FR-32	Min P	-14036.4	193.514	1.38	-1.3655	2992.307	2000.92
p1-s1	SLE-FR-32	Max M2	-13564.8	193.442	3.053	-2.4805	4142.354	2000.164
p1-s1	SLE-FR-32	Min M2	-12417.4	192.475	3.791	0.4167	-867.285	1990.005
p1-s1	SLE-FR-32	Max M3	-13146.7	206.695	2.671	-0.3015	1673.481	2139.316
p1-s1	SLE-FR-32	Min M3	-13245.4	179.76	2.295	-3.2663	1749.457	1856.494
p1-s1	SLE-FR-33	Max P	-12093.1	194.105	0.143	0.7575	-1.4932	2007.119
p1-s1	SLE-FR-33	Min P	-14295.5	188.994	5.749	1.0441	-2987.59	1953.451

p1-s1	SLE-FR-33	Max M2	-12668.8	191.728	3.203	-0.735	1015.975	1982.158
p1-s1	SLE-FR-33	Min M2	-13808	189.622	4.353	2.0229	-3990.33	1960.05
p1-s1	SLE-FR-33	Max M3	-13380.9	201.496	4.757	-0.0993	-1410.47	2084.728
p1-s1	SLE-FR-33	Min M3	-13502.5	178.385	5.095	2.7526	-1757.91	1842.059
p1-s1	SLE-FR-34	Max P	-12125.9	194.12	6.707	-0.931	81.0956	2007.275
p1-s1	SLE-FR-34	Min P	-14331.8	191.416	1.365	-1.288	2866.365	1978.884
p1-s1	SLE-FR-34	Max M2	-13860.3	191.344	3.037	-2.403	4016.412	1978.128
p1-s1	SLE-FR-34	Min M2	-12712.8	190.376	3.775	0.4943	-993.227	1967.97
p1-s1	SLE-FR-34	Max M3	-13442.1	204.596	2.655	-0.224	1547.539	2117.28
p1-s1	SLE-FR-34	Min M3	-13540.9	177.661	2.279	-3.1888	1623.515	1834.458
p1-s1	SLE-FR-35	Max P	-11797.6	196.204	0.159	0.6799	124.4488	2029.155
p1-s1	SLE-FR-35	Min P	-14000	191.092	5.765	0.9665	-2861.64	1975.487
p1-s1	SLE-FR-35	Max M2	-12373.3	193.826	3.219	-0.8125	1141.917	2004.194
p1-s1	SLE-FR-35	Min M2	-13512.5	191.721	4.368	1.9454	-3864.39	1982.086
p1-s1	SLE-FR-35	Max M3	-13085.4	203.595	4.773	-0.1768	-1284.53	2106.764
p1-s1	SLE-FR-35	Min M3	-13207	180.483	5.111	2.675	-1631.97	1864.094
p1-s1	SLE-FR-36	Max P	-11830.4	196.218	6.723	-1.0085	207.0377	2029.311
p1-s1	SLE-FR-36	Min P	-14036.4	193.514	1.38	-1.3655	2992.307	2000.92
p1-s1	SLE-FR-36	Max M2	-13564.8	193.442	3.053	-2.4805	4142.354	2000.164
p1-s1	SLE-FR-36	Min M2	-12417.4	192.475	3.791	0.4167	-867.285	1990.005
p1-s1	SLE-FR-36	Max M3	-13146.7	206.695	2.671	-0.3015	1673.481	2139.316
p1-s1	SLE-FR-36	Min M3	-13245.4	179.76	2.295	-3.2663	1749.457	1856.494
p1-s1	SLE-FR-37	Max P	-12216	195.621	0.195	0.7386	13.0118	2023.037
p1-s1	SLE-FR-37	Min P	-14418.4	190.51	5.802	1.0252	-2973.08	1969.369
p1-s1	SLE-FR-37	Max M2	-12791.7	193.244	3.256	-0.7538	1030.48	1998.077
p1-s1	SLE-FR-37	Min M2	-13930.9	191.138	4.405	2.0041	-3975.83	1975.968
p1-s1	SLE-FR-37	Max M3	-13503.7	203.012	4.81	-0.1181	-1395.97	2100.646
p1-s1	SLE-FR-37	Min M3	-13625.3	179.901	5.148	2.7338	-1743.4	1857.977
p1-s1	SLE-FR-38	Max P	-12248.8	195.636	6.76	-0.9498	95.6006	2023.194
p1-s1	SLE-FR-38	Min P	-14454.7	192.932	1.417	-1.3068	2880.87	1994.802
p1-s1	SLE-FR-38	Max M2	-13983.2	192.86	3.09	-2.4218	4030.917	1994.046
p1-s1	SLE-FR-38	Min M2	-12835.7	191.892	3.828	0.4754	-978.722	1983.888
p1-s1	SLE-FR-38	Max M3	-13565	206.112	2.708	-0.2428	1562.044	2133.199
p1-s1	SLE-FR-38	Min M3	-13663.7	179.177	2.332	-3.2076	1638.02	1850.376
p1-s1	SLE-FR-39	Max P	-11920.5	197.72	0.211	0.6611	138.9538	2045.073
p1-s1	SLE-FR-39	Min P	-14122.9	192.608	5.818	0.9477	-2847.14	1991.405
p1-s1	SLE-FR-39	Max M2	-12496.2	195.342	3.272	-0.8314	1156.422	2020.113
p1-s1	SLE-FR-39	Min M2	-13635.4	193.237	4.421	1.9265	-3849.88	1998.004
p1-s1	SLE-FR-39	Max M3	-13208.3	205.111	4.826	-0.1957	-1270.02	2122.682
p1-s1	SLE-FR-39	Min M3	-13329.9	181.999	5.164	2.6562	-1617.46	1880.013
p1-s1	SLE-FR-40	Max P	-11953.3	197.734	6.776	-1.0274	221.5427	2045.229
p1-s1	SLE-FR-40	Min P	-14159.2	195.03	1.433	-1.3843	3006.812	2016.838
p1-s1	SLE-FR-40	Max M2	-13687.7	194.958	3.105	-2.4994	4156.859	2016.082
p1-s1	SLE-FR-40	Min M2	-12540.2	193.991	3.844	0.3979	-852.78	2005.924
p1-s1	SLE-FR-40	Max M3	-13269.5	208.211	2.724	-0.3203	1687.986	2155.234
p1-s1	SLE-FR-40	Min M3	-13368.3	181.276	2.348	-3.2852	1763.962	1872.412
p1-s1	SLE-FR-41	Max P	-12216	195.621	0.195	0.7386	13.0118	2023.037
p1-s1	SLE-FR-41	Min P	-14418.4	190.51	5.802	1.0252	-2973.08	1969.369
p1-s1	SLE-FR-41	Max M2	-12791.7	193.244	3.256	-0.7538	1030.48	1998.077
p1-s1	SLE-FR-41	Min M2	-13930.9	191.138	4.405	2.0041	-3975.83	1975.968
p1-s1	SLE-FR-41	Max M3	-13503.7	203.012	4.81	-0.1181	-1395.97	2100.646

p1-s1	SLE-FR-41	Min M3	-13625.3	179.901	5.148	2.7338	-1743.4	1857.977
p1-s1	SLE-FR-42	Max P	-12248.8	195.636	6.76	-0.9498	95.6006	2023.194
p1-s1	SLE-FR-42	Min P	-14454.7	192.932	1.417	-1.3068	2880.87	1994.802
p1-s1	SLE-FR-42	Max M2	-13983.2	192.86	3.09	-2.4218	4030.917	1994.046
p1-s1	SLE-FR-42	Min M2	-12835.7	191.892	3.828	0.4754	-978.722	1983.888
p1-s1	SLE-FR-42	Max M3	-13565	206.112	2.708	-0.2428	1562.044	2133.199
p1-s1	SLE-FR-42	Min M3	-13663.7	179.177	2.332	-3.2076	1638.02	1850.376
p1-s1	SLE-FR-43	Max P	-11920.5	197.72	0.211	0.6611	138.9538	2045.073
p1-s1	SLE-FR-43	Min P	-14122.9	192.608	5.818	0.9477	-2847.14	1991.405
p1-s1	SLE-FR-43	Max M2	-12496.2	195.342	3.272	-0.8314	1156.422	2020.113
p1-s1	SLE-FR-43	Min M2	-13635.4	193.237	4.421	1.9265	-3849.88	1998.004
p1-s1	SLE-FR-43	Max M3	-13208.3	205.111	4.826	-0.1957	-1270.02	2122.682
p1-s1	SLE-FR-43	Min M3	-13329.9	181.999	5.164	2.6562	-1617.46	1880.013
p1-s1	SLE-FR-44	Max P	-11953.3	197.734	6.776	-1.0274	221.5427	2045.229
p1-s1	SLE-FR-44	Min P	-14159.2	195.03	1.433	-1.3843	3006.812	2016.838
p1-s1	SLE-FR-44	Max M2	-13687.7	194.958	3.105	-2.4994	4156.859	2016.082
p1-s1	SLE-FR-44	Min M2	-12540.2	193.991	3.844	0.3979	-852.78	2005.924
p1-s1	SLE-FR-44	Max M3	-13269.5	208.211	2.724	-0.3203	1687.986	2155.234
p1-s1	SLE-FR-44	Min M3	-13368.3	181.276	2.348	-3.2852	1763.962	1872.412
p1-s1	SLE-FR-45	Max P	-12313	185.385	155.308	1.3369	1860.231	1917.497
p1-s1	SLE-FR-45	Min P	-12313	185.385	155.308	1.3369	1860.231	1917.497
p1-s1	SLE-FR-45	Max M2	-12313	185.385	155.308	1.3369	1860.231	1917.497
p1-s1	SLE-FR-45	Min M2	-12313	185.385	155.308	1.3369	1860.231	1917.497
p1-s1	SLE-FR-45	Max M3	-12313	185.385	155.308	1.3369	1860.231	1917.497
p1-s1	SLE-FR-45	Min M3	-12313	185.385	155.308	1.3369	1860.231	1917.497
p1-s1	SLE-FR-46	Max P	-12311.7	194.797	-148.003	-1.6639	-1866.5	2012.443
p1-s1	SLE-FR-46	Min P	-12311.7	194.797	-148.003	-1.6639	-1866.5	2012.443
p1-s1	SLE-FR-46	Max M2	-12311.7	194.797	-148.003	-1.6639	-1866.5	2012.443
p1-s1	SLE-FR-46	Min M2	-12311.7	194.797	-148.003	-1.6639	-1866.5	2012.443
p1-s1	SLE-FR-46	Max M3	-12311.7	194.797	-148.003	-1.6639	-1866.5	2012.443
p1-s1	SLE-FR-46	Min M3	-12311.7	194.797	-148.003	-1.6639	-1866.5	2012.443
p1-s1	SLE-FR-47	Max P	-12017.5	187.483	155.324	1.2593	1986.173	1939.533
p1-s1	SLE-FR-47	Min P	-12017.5	187.483	155.324	1.2593	1986.173	1939.533
p1-s1	SLE-FR-47	Max M2	-12017.5	187.483	155.324	1.2593	1986.173	1939.533
p1-s1	SLE-FR-47	Min M2	-12017.5	187.483	155.324	1.2593	1986.173	1939.533
p1-s1	SLE-FR-47	Max M3	-12017.5	187.483	155.324	1.2593	1986.173	1939.533
p1-s1	SLE-FR-47	Min M3	-12017.5	187.483	155.324	1.2593	1986.173	1939.533
p1-s1	SLE-FR-48	Max P	-12016.2	196.895	-147.987	-1.7415	-1740.56	2034.479
p1-s1	SLE-FR-48	Min P	-12016.2	196.895	-147.987	-1.7415	-1740.56	2034.479
p1-s1	SLE-FR-48	Max M2	-12016.2	196.895	-147.987	-1.7415	-1740.56	2034.479
p1-s1	SLE-FR-48	Min M2	-12016.2	196.895	-147.987	-1.7415	-1740.56	2034.479
p1-s1	SLE-FR-48	Max M3	-12016.2	196.895	-147.987	-1.7415	-1740.56	2034.479
p1-s1	SLE-FR-48	Min M3	-12016.2	196.895	-147.987	-1.7415	-1740.56	2034.479
p1-s1	SLE-FR-49	Max P	-12435.9	186.901	155.361	1.318	1874.736	1933.415
p1-s1	SLE-FR-49	Min P	-12435.9	186.901	155.361	1.318	1874.736	1933.415
p1-s1	SLE-FR-49	Max M2	-12435.9	186.901	155.361	1.318	1874.736	1933.415
p1-s1	SLE-FR-49	Min M2	-12435.9	186.901	155.361	1.318	1874.736	1933.415
p1-s1	SLE-FR-49	Max M3	-12435.9	186.901	155.361	1.318	1874.736	1933.415
p1-s1	SLE-FR-49	Min M3	-12435.9	186.901	155.361	1.318	1874.736	1933.415
p1-s1	SLE-FR-50	Max P	-12434.6	196.313	-147.95	-1.6828	-1851.99	2028.362
p1-s1	SLE-FR-50	Min P	-12434.6	196.313	-147.95	-1.6828	-1851.99	2028.362

p1-s1	SLE-FR-50	Max M2	-12434.6	196.313	-147.95	-1.6828	-1851.99	2028.362
p1-s1	SLE-FR-50	Min M2	-12434.6	196.313	-147.95	-1.6828	-1851.99	2028.362
p1-s1	SLE-FR-50	Max M3	-12434.6	196.313	-147.95	-1.6828	-1851.99	2028.362
p1-s1	SLE-FR-50	Min M3	-12434.6	196.313	-147.95	-1.6828	-1851.99	2028.362
p1-s1	SLE-FR-51	Max P	-12140.4	188.999	155.377	1.2405	2000.678	1955.451
p1-s1	SLE-FR-51	Min P	-12140.4	188.999	155.377	1.2405	2000.678	1955.451
p1-s1	SLE-FR-51	Max M2	-12140.4	188.999	155.377	1.2405	2000.678	1955.451
p1-s1	SLE-FR-51	Min M2	-12140.4	188.999	155.377	1.2405	2000.678	1955.451
p1-s1	SLE-FR-51	Max M3	-12140.4	188.999	155.377	1.2405	2000.678	1955.451
p1-s1	SLE-FR-51	Min M3	-12140.4	188.999	155.377	1.2405	2000.678	1955.451
p1-s1	SLE-FR-52	Max P	-12139.1	198.411	-147.934	-1.7603	-1726.05	2050.398
p1-s1	SLE-FR-52	Min P	-12139.1	198.411	-147.934	-1.7603	-1726.05	2050.398
p1-s1	SLE-FR-52	Max M2	-12139.1	198.411	-147.934	-1.7603	-1726.05	2050.398
p1-s1	SLE-FR-52	Min M2	-12139.1	198.411	-147.934	-1.7603	-1726.05	2050.398
p1-s1	SLE-FR-52	Max M3	-12139.1	198.411	-147.934	-1.7603	-1726.05	2050.398
p1-s1	SLE-FR-52	Min M3	-12139.1	198.411	-147.934	-1.7603	-1726.05	2050.398
p1-s1	SLE-FR-53	Max P	-12300.4	227.904	4.365	-0.1982	14.3911	2355.807
p1-s1	SLE-FR-53	Min P	-12300.4	227.904	4.365	-0.1982	14.3911	2355.807
p1-s1	SLE-FR-53	Max M2	-12300.4	227.904	4.365	-0.1982	14.3911	2355.807
p1-s1	SLE-FR-53	Min M2	-12300.4	227.904	4.365	-0.1982	14.3911	2355.807
p1-s1	SLE-FR-53	Max M3	-12300.4	227.904	4.365	-0.1982	14.3911	2355.807
p1-s1	SLE-FR-53	Min M3	-12300.4	227.904	4.365	-0.1982	14.3911	2355.807
p1-s1	SLE-FR-54	Max P	-12447.8	229.723	4.428	-0.2208	31.7971	2374.909
p1-s1	SLE-FR-54	Min P	-12447.8	229.723	4.428	-0.2208	31.7971	2374.909
p1-s1	SLE-FR-54	Max M2	-12447.8	229.723	4.428	-0.2208	31.7971	2374.909
p1-s1	SLE-FR-54	Min M2	-12447.8	229.723	4.428	-0.2208	31.7971	2374.909
p1-s1	SLE-FR-54	Max M3	-12447.8	229.723	4.428	-0.2208	31.7971	2374.909
p1-s1	SLE-FR-54	Min M3	-12447.8	229.723	4.428	-0.2208	31.7971	2374.909
p1-s1	SLE-FR-55	Max P	-12004.9	230.002	4.381	-0.2757	140.3331	2377.842
p1-s1	SLE-FR-55	Min P	-12004.9	230.002	4.381	-0.2757	140.3331	2377.842
p1-s1	SLE-FR-55	Max M2	-12004.9	230.002	4.381	-0.2757	140.3331	2377.842
p1-s1	SLE-FR-55	Min M2	-12004.9	230.002	4.381	-0.2757	140.3331	2377.842
p1-s1	SLE-FR-55	Max M3	-12004.9	230.002	4.381	-0.2757	140.3331	2377.842
p1-s1	SLE-FR-55	Min M3	-12004.9	230.002	4.381	-0.2757	140.3331	2377.842
p1-s1	SLE-FR-56	Max P	-12152.4	231.821	4.444	-0.2983	157.7391	2396.944
p1-s1	SLE-FR-56	Min P	-12152.4	231.821	4.444	-0.2983	157.7391	2396.944
p1-s1	SLE-FR-56	Max M2	-12152.4	231.821	4.444	-0.2983	157.7391	2396.944
p1-s1	SLE-FR-56	Min M2	-12152.4	231.821	4.444	-0.2983	157.7391	2396.944
p1-s1	SLE-FR-56	Max M3	-12152.4	231.821	4.444	-0.2983	157.7391	2396.944
p1-s1	SLE-FR-56	Min M3	-12152.4	231.821	4.444	-0.2983	157.7391	2396.944

12.1.5. PILA 1-SOLLECITAZIONI SEZIONE DI BASE-COMBINAZIONI SLE QUASI PERMANENTI

TABLE: Element Forces - Frames								
Frame	OutputCase	StepType	P	V2	V3	T	M2	M3
Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
p1-s1	SLE-QP-1	Max P	-12311.2	-183.281	3.385	0.0542	-64.2023	-1893.45
p1-s1	SLE-QP-1	Min P	-12311.2	-183.281	3.385	0.0542	-64.2023	-1893.45
p1-s1	SLE-QP-1	Max M2	-12311.2	-183.281	3.385	0.0542	-64.2023	-1893.45

p1-s1	SLE-QP-1	Min M2	-12311.2	-183.281	3.385	0.0542	-64.2023	-1893.45
p1-s1	SLE-QP-1	Max M3	-12311.2	-183.281	3.385	0.0542	-64.2023	-1893.45
p1-s1	SLE-QP-1	Min M3	-12311.2	-183.281	3.385	0.0542	-64.2023	-1893.45
p1-s1	SLE-QP-2	Max P	-12015.7	-181.183	3.369	-0.0233	61.7397	-1871.42
p1-s1	SLE-QP-2	Min P	-12015.7	-181.183	3.369	-0.0233	61.7397	-1871.42
p1-s1	SLE-QP-2	Max M2	-12015.7	-181.183	3.369	-0.0233	61.7397	-1871.42
p1-s1	SLE-QP-2	Min M2	-12015.7	-181.183	3.369	-0.0233	61.7397	-1871.42
p1-s1	SLE-QP-2	Max M3	-12015.7	-181.183	3.369	-0.0233	61.7397	-1871.42
p1-s1	SLE-QP-2	Min M3	-12015.7	-181.183	3.369	-0.0233	61.7397	-1871.42
p1-s1	SLE-QP-3	Max P	-12434.1	-181.765	3.332	0.0354	-49.6973	-1877.54
p1-s1	SLE-QP-3	Min P	-12434.1	-181.765	3.332	0.0354	-49.6973	-1877.54
p1-s1	SLE-QP-3	Max M2	-12434.1	-181.765	3.332	0.0354	-49.6973	-1877.54
p1-s1	SLE-QP-3	Min M2	-12434.1	-181.765	3.332	0.0354	-49.6973	-1877.54
p1-s1	SLE-QP-3	Max M3	-12434.1	-181.765	3.332	0.0354	-49.6973	-1877.54
p1-s1	SLE-QP-3	Min M3	-12434.1	-181.765	3.332	0.0354	-49.6973	-1877.54
p1-s1	SLE-QP-4	Max P	-12138.6	-179.667	3.316	-0.0421	76.2447	-1855.5
p1-s1	SLE-QP-4	Min P	-12138.6	-179.667	3.316	-0.0421	76.2447	-1855.5
p1-s1	SLE-QP-4	Max M2	-12138.6	-179.667	3.316	-0.0421	76.2447	-1855.5
p1-s1	SLE-QP-4	Min M2	-12138.6	-179.667	3.316	-0.0421	76.2447	-1855.5
p1-s1	SLE-QP-4	Max M3	-12138.6	-179.667	3.316	-0.0421	76.2447	-1855.5
p1-s1	SLE-QP-4	Min M3	-12138.6	-179.667	3.316	-0.0421	76.2447	-1855.5
p1-s1	SLE-QP-5	Max P	-12312.5	190.661	3.665	-0.1769	8.5649	1970.957
p1-s1	SLE-QP-5	Min P	-12312.5	190.661	3.665	-0.1769	8.5649	1970.957
p1-s1	SLE-QP-5	Max M2	-12312.5	190.661	3.665	-0.1769	8.5649	1970.957
p1-s1	SLE-QP-5	Min M2	-12312.5	190.661	3.665	-0.1769	8.5649	1970.957
p1-s1	SLE-QP-5	Max M3	-12312.5	190.661	3.665	-0.1769	8.5649	1970.957
p1-s1	SLE-QP-5	Min M3	-12312.5	190.661	3.665	-0.1769	8.5649	1970.957
p1-s1	SLE-QP-6	Max P	-12017.1	192.76	3.681	-0.2545	134.5069	1992.993
p1-s1	SLE-QP-6	Min P	-12017.1	192.76	3.681	-0.2545	134.5069	1992.993
p1-s1	SLE-QP-6	Max M2	-12017.1	192.76	3.681	-0.2545	134.5069	1992.993
p1-s1	SLE-QP-6	Min M2	-12017.1	192.76	3.681	-0.2545	134.5069	1992.993
p1-s1	SLE-QP-6	Max M3	-12017.1	192.76	3.681	-0.2545	134.5069	1992.993
p1-s1	SLE-QP-6	Min M3	-12017.1	192.76	3.681	-0.2545	134.5069	1992.993
p1-s1	SLE-QP-7	Max P	-12435.4	192.177	3.718	-0.1958	23.0698	1986.876
p1-s1	SLE-QP-7	Min P	-12435.4	192.177	3.718	-0.1958	23.0698	1986.876
p1-s1	SLE-QP-7	Max M2	-12435.4	192.177	3.718	-0.1958	23.0698	1986.876
p1-s1	SLE-QP-7	Min M2	-12435.4	192.177	3.718	-0.1958	23.0698	1986.876
p1-s1	SLE-QP-7	Max M3	-12435.4	192.177	3.718	-0.1958	23.0698	1986.876
p1-s1	SLE-QP-7	Min M3	-12435.4	192.177	3.718	-0.1958	23.0698	1986.876
p1-s1	SLE-QP-8	Max P	-12139.9	194.276	3.734	-0.2733	149.0119	2008.911
p1-s1	SLE-QP-8	Min P	-12139.9	194.276	3.734	-0.2733	149.0119	2008.911
p1-s1	SLE-QP-8	Max M2	-12139.9	194.276	3.734	-0.2733	149.0119	2008.911

p1-s1	SLE-QP-8	Min M2	-12139.9	194.276	3.734	-0.2733	149.0119	2008.911
p1-s1	SLE-QP-8	Max M3	-12139.9	194.276	3.734	-0.2733	149.0119	2008.911
p1-s1	SLE-QP-8	Min M3	-12139.9	194.276	3.734	-0.2733	149.0119	2008.911

12.1.6. PILA 1-SOLLECITAZIONI FONDAZIONE-COMBINAZIONI SLU

TABLE: Element Forces - Frames								
Frame	OutputCase	StepType	P	V2	V3	T	M2	M3
Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
f-p1	SLU-1	Max P	-20253.588	-348.049	667.367	9.1782	9669.2953	-4355.6893
f-p1	SLU-1	Min P	-26066.852	-361.731	681.968	10.7923	2068.703	-4529.4518
f-p1	SLU-1	Max M2	-21823.28	-353.656	675.426	4.9607	12588.3717	-4426.9023
f-p1	SLU-1	Min M2	-24655.933	-359.272	676.903	14.0853	-817.2841	-4498.2198
f-p1	SLU-1	Max M3	-23379.999	-328.873	677.376	7.4178	6205.1381	-4112.1618
f-p1	SLU-1	Min M3	-23830.973	-386.698	679.088	14.0858	5225.7993	-4846.5314
f-p1	SLU-2	Max P	-20332.831	-347.962	683.822	5.158	9913.2347	-4354.5915
f-p1	SLU-2	Min P	-26183.283	-356.003	670.331	3.1541	17098.7539	-4456.7069
f-p1	SLU-2	Max M2	-24832.239	-353.797	675.675	-0.2983	20284.0401	-4428.689
f-p1	SLU-2	Min M2	-21891.697	-357.037	676.21	9.1687	6859.264	-4469.8366
f-p1	SLU-2	Max M3	-23545.887	-321.54	675.218	6.5428	13592.8307	-4019.0266
f-p1	SLU-2	Min M3	-23915.767	-388.326	673.287	-0.3795	13809.2006	-4867.2123
f-p1	SLU-3	Max P	-20247.736	-305.694	-697.532	-4.3253	-10103.7698	-3835.2501
f-p1	SLU-3	Min P	-26061.001	-319.377	-682.931	-2.7113	-17704.3621	-4009.0126
f-p1	SLU-3	Max M2	-21817.429	-311.302	-689.473	-8.5429	-7184.6934	-3906.4631
f-p1	SLU-3	Min M2	-24650.082	-316.917	-687.996	0.5817	-20590.3491	-3977.7806
f-p1	SLU-3	Max M3	-23374.147	-286.519	-687.524	-6.0858	-13567.927	-3591.7226
f-p1	SLU-3	Min M3	-23825.122	-344.343	-685.811	0.5822	-14547.2658	-4326.0922
f-p1	SLU-4	Max P	-20326.98	-305.608	-681.077	-8.3456	-9859.8304	-3834.1523
f-p1	SLU-4	Min P	-26177.432	-313.649	-694.568	-10.3495	-2674.3112	-3936.2677
f-p1	SLU-4	Max M2	-24826.388	-311.442	-689.224	-13.8019	510.975	-3908.2498
f-p1	SLU-4	Min M2	-21885.846	-314.682	-688.689	-4.3349	-12913.8011	-3949.3974
f-p1	SLU-4	Max M3	-23540.036	-279.185	-689.682	-6.9608	-6180.2344	-3498.5874
f-p1	SLU-4	Min M3	-23909.916	-345.972	-691.612	-13.8831	-5963.8645	-4346.773
f-p1	SLU-5	Max P	-19899.023	-345.53	667.386	9.0852	9820.4674	-4323.7059
f-p1	SLU-5	Min P	-25712.288	-359.213	681.987	10.6992	2219.875	-4497.4684
f-p1	SLU-5	Max M2	-21468.716	-351.138	675.445	4.8676	12739.5438	-4394.9189
f-p1	SLU-5	Min M2	-24301.368	-356.753	676.922	13.9922	-666.112	-4466.2364
f-p1	SLU-5	Max M3	-23025.434	-326.355	677.395	7.3248	6356.3101	-4080.1784
f-p1	SLU-5	Min M3	-23476.409	-384.179	679.107	13.9928	5376.9714	-4814.5479
f-p1	SLU-6	Max P	-19978.267	-345.444	683.841	5.0649	10064.4067	-4322.608
f-p1	SLU-6	Min P	-25828.719	-353.485	670.35	3.061	17249.926	-4424.7234
f-p1	SLU-6	Max M2	-24477.675	-351.279	675.694	-0.3913	20435.2122	-4396.7056
f-p1	SLU-6	Min M2	-21537.133	-354.518	676.229	9.0756	7010.436	-4437.8531
f-p1	SLU-6	Max M3	-23191.323	-319.022	675.237	6.4497	13744.0028	-3987.0432
f-p1	SLU-6	Min M3	-23561.203	-385.808	673.306	-0.4726	13960.3727	-4835.2288
f-p1	SLU-7	Max P	-19893.172	-303.176	-697.513	-4.4184	-9952.5977	-3803.2667
f-p1	SLU-7	Min P	-25706.436	-316.858	-682.912	-2.8044	-17553.1901	-3977.0291
f-p1	SLU-7	Max M2	-21462.864	-308.783	-689.454	-8.6359	-7033.5213	-3874.4796
f-p1	SLU-7	Min M2	-24295.517	-314.399	-687.977	0.4886	-20439.1771	-3945.7972

f-p1	SLU-7	Max M3	-23019.583	-284.001	-687.505	-6.1788	-13416.7549	-3559.7392
f-p1	SLU-7	Min M3	-23470.558	-341.825	-685.792	0.4892	-14396.0937	-4294.1087
f-p1	SLU-8	Max P	-19972.415	-303.089	-681.058	-8.4387	-9708.6583	-3802.1688
f-p1	SLU-8	Min P	-25822.867	-311.13	-694.55	-10.4425	-2523.1391	-3904.2842
f-p1	SLU-8	Max M2	-24471.823	-308.924	-689.205	-13.8949	662.1471	-3876.2663
f-p1	SLU-8	Min M2	-21531.282	-312.164	-688.67	-4.4279	-12762.6291	-3917.4139
f-p1	SLU-8	Max M3	-23185.471	-276.667	-689.663	-7.0539	-6029.0623	-3466.604
f-p1	SLU-8	Min M3	-23555.352	-343.453	-691.593	-13.9762	-5812.6924	-4314.7896
f-p1	SLU-9	Max P	-20474.744	-345.32	667.462	9.1443	9695.6127	-4321.033
f-p1	SLU-9	Min P	-26288.009	-359.002	682.063	10.7583	2095.0204	-4494.7955
f-p1	SLU-9	Max M2	-22044.437	-350.927	675.521	4.9268	12614.6892	-4392.246
f-p1	SLU-9	Min M2	-24877.09	-356.543	676.998	14.0514	-790.9666	-4463.5635
f-p1	SLU-9	Max M3	-23601.156	-326.145	677.47	7.3839	6231.4555	-4077.5055
f-p1	SLU-9	Min M3	-24052.13	-383.969	679.183	14.0519	5252.1168	-4811.875
f-p1	SLU-10	Max P	-20553.988	-345.233	683.917	5.1241	9939.5521	-4319.9351
f-p1	SLU-10	Min P	-26404.44	-353.274	670.426	3.1202	17125.0714	-4422.0505
f-p1	SLU-10	Max M2	-25053.396	-351.068	675.77	-0.3322	20310.3576	-4394.0327
f-p1	SLU-10	Min M2	-22112.854	-354.308	676.305	9.1348	6885.5814	-4435.1802
f-p1	SLU-10	Max M3	-23767.044	-318.811	675.312	6.5089	13619.1481	-3984.3703
f-p1	SLU-10	Min M3	-24136.924	-385.597	673.382	-0.4134	13835.5181	-4832.5559
f-p1	SLU-11	Max P	-20468.893	-302.965	-697.438	-4.3593	-10077.4524	-3800.5938
f-p1	SLU-11	Min P	-26282.157	-316.648	-682.837	-2.7452	-17678.0447	-3974.3562
f-p1	SLU-11	Max M2	-22038.586	-308.573	-689.378	-8.5768	-7158.3759	-3871.8067
f-p1	SLU-11	Min M2	-24871.238	-314.188	-687.901	0.5478	-20564.0317	-3943.1243
f-p1	SLU-11	Max M3	-23595.304	-283.79	-687.429	-6.1197	-13541.6096	-3557.0663
f-p1	SLU-11	Min M3	-24046.279	-341.614	-685.716	0.5483	-14520.9483	-4291.4358
f-p1	SLU-12	Max P	-20548.136	-302.879	-680.983	-8.3795	-9833.513	-3799.4959
f-p1	SLU-12	Min P	-26398.589	-310.92	-694.474	-10.3834	-2647.9937	-3901.6113
f-p1	SLU-12	Max M2	-25047.545	-308.714	-689.129	-13.8358	537.2925	-3873.5935
f-p1	SLU-12	Min M2	-22107.003	-311.953	-688.594	-4.3688	-12887.4837	-3914.741
f-p1	SLU-12	Max M3	-23761.193	-276.457	-689.587	-6.9947	-6153.917	-3463.9311
f-p1	SLU-12	Min M3	-24131.073	-343.243	-691.517	-13.917	-5937.547	-4312.1167
f-p1	SLU-13	Max P	-20120.18	-342.801	667.481	9.0513	9846.7848	-4289.0495
f-p1	SLU-13	Min P	-25933.444	-356.484	682.082	10.6653	2246.1925	-4462.812
f-p1	SLU-13	Max M2	-21689.872	-348.409	675.54	4.8337	12765.8612	-4360.2625
f-p1	SLU-13	Min M2	-24522.525	-354.025	677.017	13.9583	-639.7946	-4431.58
f-p1	SLU-13	Max M3	-23246.591	-323.626	677.489	7.2909	6382.6276	-4045.522
f-p1	SLU-13	Min M3	-23697.566	-381.451	679.202	13.9588	5403.2888	-4779.8916
f-p1	SLU-14	Max P	-20199.423	-342.715	683.936	5.031	10090.7242	-4287.9517
f-p1	SLU-14	Min P	-26049.876	-350.756	670.444	3.0271	17276.2434	-4390.0671
f-p1	SLU-14	Max M2	-24698.831	-348.55	675.789	-0.4252	20461.5296	-4362.0492
f-p1	SLU-14	Min M2	-21758.29	-351.79	676.324	9.0417	7036.7535	-4403.1968
f-p1	SLU-14	Max M3	-23412.48	-316.293	675.331	6.4158	13770.3202	-3952.3868
f-p1	SLU-14	Min M3	-23782.36	-383.079	673.401	-0.5065	13986.6901	-4800.5725
f-p1	SLU-15	Max P	-20114.329	-300.447	-697.419	-4.4523	-9926.2803	-3768.6103
f-p1	SLU-15	Min P	-25927.593	-314.129	-682.818	-2.8383	-17526.8726	-3942.3728
f-p1	SLU-15	Max M2	-21684.021	-306.054	-689.359	-8.6699	-7007.2039	-3839.8233
f-p1	SLU-15	Min M2	-24516.674	-311.67	-687.882	0.4547	-20412.8597	-3911.1408
f-p1	SLU-15	Max M3	-23240.74	-281.272	-687.41	-6.2127	-13390.4375	-3525.0828
f-p1	SLU-15	Min M3	-23691.714	-339.096	-685.697	0.4553	-14369.7763	-4259.4524
f-p1	SLU-16	Max P	-20193.572	-300.36	-680.964	-8.4726	-9682.3409	-3767.5125

f-p1	SLU-16	Min P	-26044.024	-308.401	-694.455	-10.4765	-2496.8217	-3869.6279
f-p1	SLU-16	Max M2	-24692.98	-306.195	-689.11	-13.9288	688.4645	-3841.61
f-p1	SLU-16	Min M2	-21752.438	-309.435	-688.575	-4.4618	-12736.3116	-3882.7576
f-p1	SLU-16	Max M3	-23406.628	-273.938	-689.568	-7.0878	-6002.7449	-3431.9476
f-p1	SLU-16	Min M3	-23776.508	-340.725	-691.498	-14.0101	-5786.375	-4280.1332
f-p1	SLU-17	Max P	-15000.563	-348.314	667.363	9.196	9670.3121	-4359.0666
f-p1	SLU-17	Min P	-20813.827	-361.997	681.964	10.81	2069.7197	-4532.8291
f-p1	SLU-17	Max M2	-16570.255	-353.922	675.423	4.9784	12589.3885	-4430.2796
f-p1	SLU-17	Min M2	-19402.908	-359.538	676.9	14.103	-816.2673	-4501.5971
f-p1	SLU-17	Max M3	-18126.974	-329.139	677.372	7.4356	6206.1549	-4115.5391
f-p1	SLU-17	Min M3	-18577.949	-386.964	679.085	14.1035	5226.8161	-4849.9086
f-p1	SLU-18	Max P	-15079.806	-348.228	683.818	5.1757	9914.2515	-4357.9687
f-p1	SLU-18	Min P	-20930.258	-356.269	670.327	3.1718	17099.7707	-4460.0841
f-p1	SLU-18	Max M2	-19579.214	-354.063	675.672	-0.2805	20285.0569	-4432.0663
f-p1	SLU-18	Min M2	-16638.673	-357.302	676.207	9.1864	6860.2807	-4473.2138
f-p1	SLU-18	Max M3	-18292.863	-321.806	675.214	6.5605	13593.8475	-4022.4039
f-p1	SLU-18	Min M3	-18662.743	-388.592	673.284	-0.3618	13810.2174	-4870.5895
f-p1	SLU-19	Max P	-14994.711	-305.96	-697.536	-4.3076	-10102.753	-3838.6274
f-p1	SLU-19	Min P	-20807.976	-319.642	-682.935	-2.6936	-17703.3454	-4012.3899
f-p1	SLU-19	Max M2	-16564.404	-311.567	-689.476	-8.5252	-7183.6766	-3909.8404
f-p1	SLU-19	Min M2	-19397.057	-317.183	-688	0.5994	-20589.3324	-3981.1579
f-p1	SLU-19	Max M3	-18121.123	-286.785	-687.527	-6.068	-13566.9102	-3595.0999
f-p1	SLU-19	Min M3	-18572.097	-344.609	-685.815	0.6	-14546.249	-4329.4694
f-p1	SLU-20	Max P	-15073.955	-305.873	-681.081	-8.3279	-9858.8136	-3837.5295
f-p1	SLU-20	Min P	-20924.407	-313.914	-694.572	-10.3318	-2673.2944	-3939.6449
f-p1	SLU-20	Max M2	-19573.363	-311.708	-689.228	-13.7841	511.9918	-3911.6271
f-p1	SLU-20	Min M2	-16632.821	-314.948	-688.692	-4.3172	-12912.7844	-3952.7746
f-p1	SLU-20	Max M3	-18287.011	-279.451	-689.685	-6.9431	-6179.2176	-3501.9647
f-p1	SLU-20	Min M3	-18656.891	-346.237	-691.615	-13.8654	-5962.8477	-4350.1503
f-p1	SLU-21	Max P	-14645.998	-345.796	667.382	9.1029	9821.4841	-4327.0831
f-p1	SLU-21	Min P	-20459.263	-359.478	681.983	10.7169	2220.8918	-4500.8456
f-p1	SLU-21	Max M2	-16215.691	-351.403	675.442	4.8854	12740.5606	-4398.2961
f-p1	SLU-21	Min M2	-19048.344	-357.019	676.919	14.0099	-665.0952	-4469.6136
f-p1	SLU-21	Max M3	-17772.41	-326.621	677.391	7.3425	6357.3269	-4083.5556
f-p1	SLU-21	Min M3	-18223.384	-384.445	679.103	14.0105	5377.9882	-4817.9252
f-p1	SLU-22	Max P	-14725.242	-345.709	683.837	5.0826	10065.4235	-4325.9853
f-p1	SLU-22	Min P	-20575.694	-353.75	670.346	3.0788	17250.9428	-4428.1007
f-p1	SLU-22	Max M2	-19224.65	-351.544	675.69	-0.3736	20436.229	-4400.0828
f-p1	SLU-22	Min M2	-16284.108	-354.784	676.226	9.0934	7011.4528	-4441.2304
f-p1	SLU-22	Max M3	-17938.298	-319.287	675.233	6.4674	13745.0195	-3990.4204
f-p1	SLU-22	Min M3	-18308.178	-386.074	673.303	-0.4548	13961.3895	-4838.6061
f-p1	SLU-23	Max P	-14640.147	-303.441	-697.517	-4.4007	-9951.581	-3806.6439
f-p1	SLU-23	Min P	-20453.412	-317.124	-682.916	-2.7867	-17552.1733	-3980.4064
f-p1	SLU-23	Max M2	-16209.84	-309.049	-689.457	-8.6182	-7032.5045	-3877.8569
f-p1	SLU-23	Min M2	-19042.492	-314.665	-687.981	0.5064	-20438.1603	-3949.1744
f-p1	SLU-23	Max M3	-17766.558	-284.266	-687.508	-6.1611	-13415.7382	-3563.1164
f-p1	SLU-23	Min M3	-18217.533	-342.091	-685.796	0.5069	-14395.0769	-4297.486
f-p1	SLU-24	Max P	-14719.391	-303.355	-681.062	-8.4209	-9707.6416	-3805.5461
f-p1	SLU-24	Min P	-20569.843	-311.396	-694.553	-10.4248	-2522.1223	-3907.6615
f-p1	SLU-24	Max M2	-19218.799	-309.19	-689.209	-13.8772	663.1639	-3879.6436
f-p1	SLU-24	Min M2	-16278.257	-312.429	-688.674	-4.4102	-12761.6123	-3920.7912

f-p1	SLU-24	Max M3	-17932.447	-276.933	-689.666	-7.0361	-6028.0456	-3469.9812
f-p1	SLU-24	Min M3	-18302.327	-343.719	-691.597	-13.9584	-5811.6756	-4318.1668
f-p1	SLU-25	Max P	-15221.72	-345.586	667.458	9.1621	9696.6295	-4324.4102
f-p1	SLU-25	Min P	-21034.984	-359.268	682.059	10.7761	2096.0372	-4498.1727
f-p1	SLU-25	Max M2	-16791.412	-351.193	675.518	4.9445	12615.7059	-4395.6232
f-p1	SLU-25	Min M2	-19624.065	-356.809	676.994	14.0691	-789.9498	-4466.9408
f-p1	SLU-25	Max M3	-18348.131	-326.41	677.467	7.4016	6232.4723	-4080.8828
f-p1	SLU-25	Min M3	-18799.105	-384.235	679.179	14.0696	5253.1335	-4815.2523
f-p1	SLU-26	Max P	-15300.963	-345.499	683.913	5.1418	9940.5689	-4323.3124
f-p1	SLU-26	Min P	-21151.415	-353.54	670.422	3.1379	17126.0881	-4425.4278
f-p1	SLU-26	Max M2	-19800.371	-351.334	675.766	-0.3144	20311.3743	-4397.4099
f-p1	SLU-26	Min M2	-16859.829	-354.574	676.302	9.1525	6886.5982	-4438.5575
f-p1	SLU-26	Max M3	-18514.019	-319.077	675.309	6.5266	13620.1649	-3987.7475
f-p1	SLU-26	Min M3	-18883.899	-385.863	673.379	-0.3957	13836.5348	-4835.9332
f-p1	SLU-27	Max P	-15215.868	-303.231	-697.441	-4.3415	-10076.4356	-3803.971
f-p1	SLU-27	Min P	-21029.133	-316.913	-682.84	-2.7275	-17677.0279	-3977.7335
f-p1	SLU-27	Max M2	-16785.561	-308.838	-689.382	-8.5591	-7157.3592	-3875.184
f-p1	SLU-27	Min M2	-19618.214	-314.454	-687.905	0.5655	-20563.0149	-3946.5015
f-p1	SLU-27	Max M3	-18342.279	-284.056	-687.432	-6.1019	-13540.5928	-3560.4435
f-p1	SLU-27	Min M3	-18793.254	-341.88	-685.72	0.5661	-14519.9315	-4294.8131
f-p1	SLU-28	Max P	-15295.112	-303.144	-680.986	-8.3618	-9832.4962	-3802.8732
f-p1	SLU-28	Min P	-21145.564	-311.186	-694.477	-10.3657	-2646.977	-3904.9886
f-p1	SLU-28	Max M2	-19794.52	-308.979	-689.133	-13.818	538.3092	-3876.9707
f-p1	SLU-28	Min M2	-16853.978	-312.219	-688.598	-4.3511	-12886.4669	-3918.1183
f-p1	SLU-28	Max M3	-18508.168	-276.722	-689.59	-6.977	-6152.9002	-3467.3083
f-p1	SLU-28	Min M3	-18878.048	-343.509	-691.521	-13.8993	-5936.5303	-4315.494
f-p1	SLU-29	Max P	-14867.155	-343.067	667.477	9.069	9847.8016	-4292.4268
f-p1	SLU-29	Min P	-20680.42	-356.75	682.078	10.683	2247.2092	-4466.1893
f-p1	SLU-29	Max M2	-16436.848	-348.675	675.537	4.8515	12766.878	-4363.6398
f-p1	SLU-29	Min M2	-19269.501	-354.29	677.013	13.976	-638.7778	-4434.9573
f-p1	SLU-29	Max M3	-17993.566	-323.892	677.486	7.3086	6383.6443	-4048.8993
f-p1	SLU-29	Min M3	-18444.541	-381.716	679.198	13.9766	5404.3056	-4783.2688
f-p1	SLU-30	Max P	-14946.399	-342.981	683.932	5.0487	10091.7409	-4291.3289
f-p1	SLU-30	Min P	-20796.851	-351.022	670.441	3.0449	17277.2602	-4393.4443
f-p1	SLU-30	Max M2	-19445.807	-348.815	675.785	-0.4075	20462.5464	-4365.4265
f-p1	SLU-30	Min M2	-16505.265	-352.055	676.32	9.0595	7037.7702	-4406.574
f-p1	SLU-30	Max M3	-18159.455	-316.558	675.328	6.4335	13771.337	-3955.7641
f-p1	SLU-30	Min M3	-18529.335	-383.345	673.397	-0.4887	13987.7069	-4803.9497
f-p1	SLU-31	Max P	-14861.304	-300.713	-697.422	-4.4346	-9925.2635	-3771.9876
f-p1	SLU-31	Min P	-20674.568	-314.395	-682.821	-2.8206	-17525.8559	-3945.75
f-p1	SLU-31	Max M2	-16430.996	-306.32	-689.363	-8.6521	-7006.1871	-3843.2005
f-p1	SLU-31	Min M2	-19263.649	-311.936	-687.886	0.4724	-20411.8429	-3914.5181
f-p1	SLU-31	Max M3	-17987.715	-281.537	-687.414	-6.195	-13389.4207	-3528.4601
f-p1	SLU-31	Min M3	-18438.69	-339.362	-685.701	0.473	-14368.7595	-4262.8296
f-p1	SLU-32	Max P	-14940.547	-300.626	-680.967	-8.4548	-9681.3241	-3770.8897
f-p1	SLU-32	Min P	-20790.999	-308.667	-694.458	-10.4587	-2495.8049	-3873.0051
f-p1	SLU-32	Max M2	-19439.955	-306.461	-689.114	-13.9111	689.4813	-3844.9873
f-p1	SLU-32	Min M2	-16499.414	-309.701	-688.579	-4.4441	-12735.2949	-3886.1348
f-p1	SLU-32	Max M3	-18153.604	-274.204	-689.571	-7.07	-6001.7281	-3435.3249
f-p1	SLU-32	Min M3	-18523.484	-340.99	-691.502	-13.9923	-5785.3582	-4283.5105
f-p1	SLU-33	Max P	-20492.758	2.618	654.863	10.3151	9439.9598	97.7804

f-p1	SLU-33	Min P	-23465.981	-4.282	662.432	10.702	5425.3877	10.1478
f-p1	SLU-33	Max M2	-21270.869	-0.603	659.005	8.2988	10822.6438	56.8658
f-p1	SLU-33	Min M2	-22806.952	-3.422	660.536	12.0249	4067.5207	21.0751
f-p1	SLU-33	Max M3	-22231.246	12.596	661.093	9.1585	7551.5448	224.5042
f-p1	SLU-33	Min M3	-22395.393	-18.604	661.549	13.0085	7083.507	-171.74
f-p1	SLU-34	Max P	-20537.014	2.638	663.726	8.0357	9570.9519	98.0355
f-p1	SLU-34	Min P	-23515.022	-1.012	656.513	7.5538	13315.2017	51.6763
f-p1	SLU-34	Max M2	-22878.544	-1.109	658.771	6.0486	14872.7333	50.449
f-p1	SLU-34	Min M2	-21329.359	-2.416	659.766	9.9596	8111.9069	33.8424
f-p1	SLU-34	Max M3	-22313.965	16.782	658.255	8.9902	11538.6145	277.6576
f-p1	SLU-34	Min M3	-22447.226	-19.581	657.747	4.9876	11640.0712	-184.1511
f-p1	SLU-35	Max P	-20486.907	44.973	-710.036	-3.1885	-10333.1053	618.2197
f-p1	SLU-35	Min P	-23460.129	38.072	-702.467	-2.8016	-14347.6774	530.5871
f-p1	SLU-35	Max M2	-21265.018	41.751	-705.894	-5.2048	-8950.4213	577.305
f-p1	SLU-35	Min M2	-22801.101	38.933	-704.363	-1.4787	-15705.5444	541.5144
f-p1	SLU-35	Max M3	-22225.394	54.951	-703.806	-4.3451	-12221.5203	744.9434
f-p1	SLU-35	Min M3	-22389.541	23.751	-703.35	-0.4951	-12689.5581	348.6992
f-p1	SLU-36	Max P	-20531.162	44.993	-701.174	-5.4679	-10202.1132	618.4747
f-p1	SLU-36	Min P	-23509.171	41.342	-708.387	-5.9498	-6457.8634	572.1155
f-p1	SLU-36	Max M2	-22872.692	41.246	-706.128	-7.4549	-4900.3318	570.8882
f-p1	SLU-36	Min M2	-21323.507	39.938	-705.133	-3.544	-11661.1582	554.2816
f-p1	SLU-36	Max M3	-22308.114	59.136	-706.644	-4.5134	-8234.4506	798.0968
f-p1	SLU-36	Min M3	-22441.374	22.773	-707.152	-8.5159	-8132.9939	336.2881
f-p1	SLU-37	Max P	-20138.194	5.137	654.882	10.222	9591.1318	129.7639
f-p1	SLU-37	Min P	-23111.416	-1.764	662.451	10.6089	5576.5597	42.1313
f-p1	SLU-37	Max M2	-20916.305	1.915	659.024	8.2058	10973.8159	88.8492
f-p1	SLU-37	Min M2	-22452.388	-0.903	660.555	11.9318	4218.6927	53.0586
f-p1	SLU-37	Max M3	-21876.681	15.115	661.112	9.0654	7702.7168	256.4876
f-p1	SLU-37	Min M3	-22040.828	-16.086	661.568	12.9154	7234.6791	-139.7566
f-p1	SLU-38	Max P	-20182.449	5.157	663.744	7.9426	9722.1239	130.019
f-p1	SLU-38	Min P	-23160.458	1.506	656.532	7.4607	13466.3737	83.6598
f-p1	SLU-38	Max M2	-22523.979	1.41	658.79	5.9556	15023.9054	82.4324
f-p1	SLU-38	Min M2	-20974.794	0.102	659.785	9.8665	8263.0789	65.8259
f-p1	SLU-38	Max M3	-21959.401	19.3	658.274	8.8971	11689.7866	309.641
f-p1	SLU-38	Min M3	-22092.661	-17.063	657.766	4.8946	11791.2432	-152.1677
f-p1	SLU-39	Max P	-20132.342	47.491	-710.017	-3.2815	-10181.9333	650.2031
f-p1	SLU-39	Min P	-23105.565	40.591	-702.448	-2.8946	-14196.5054	562.5705
f-p1	SLU-39	Max M2	-20910.453	44.27	-705.875	-5.2978	-8799.2492	609.2884
f-p1	SLU-39	Min M2	-22446.536	41.451	-704.344	-1.5718	-15554.3724	573.4978
f-p1	SLU-39	Max M3	-21870.83	57.469	-703.787	-4.4382	-12070.3483	776.9269
f-p1	SLU-39	Min M3	-22034.977	26.269	-703.331	-0.5881	-12538.386	380.6826
f-p1	SLU-40	Max P	-20176.598	47.511	-701.155	-5.561	-10050.9411	650.4582
f-p1	SLU-40	Min P	-23154.606	43.861	-708.368	-6.0429	-6306.6913	604.099
f-p1	SLU-40	Max M2	-22518.128	43.764	-706.109	-7.548	-4749.1597	602.8717
f-p1	SLU-40	Min M2	-20968.943	42.457	-705.114	-3.6371	-11509.9862	586.2651
f-p1	SLU-40	Max M3	-21953.549	61.655	-706.625	-4.6065	-8083.2785	830.0803
f-p1	SLU-40	Min M3	-22086.81	25.292	-707.133	-8.609	-7981.8218	368.2715
f-p1	SLU-41	Max P	-20713.915	5.347	654.958	10.2812	9466.2772	132.4368
f-p1	SLU-41	Min P	-23687.137	-1.553	662.527	10.6681	5451.7051	44.8042
f-p1	SLU-41	Max M2	-21492.026	2.125	659.1	8.2649	10848.9613	91.5221
f-p1	SLU-41	Min M2	-23028.109	-0.693	660.631	11.991	4093.8381	55.7315

f-p1	SLU-41	Max M3	-22452.402	15.325	661.188	9.1246	7577.8622	259.1605
f-p1	SLU-41	Min M3	-22616.549	-15.875	661.644	12.9746	7109.8245	-137.0837
f-p1	SLU-42	Max P	-20758.17	5.367	663.82	8.0017	9597.2693	132.6919
f-p1	SLU-42	Min P	-23736.179	1.717	656.607	7.5199	13341.5191	86.3326
f-p1	SLU-42	Max M2	-23099.7	1.62	658.866	6.0147	14899.0507	85.1053
f-p1	SLU-42	Min M2	-21550.516	0.313	659.861	9.9256	8138.2243	68.4988
f-p1	SLU-42	Max M3	-22535.122	19.51	658.35	8.9563	11564.9319	312.3139
f-p1	SLU-42	Min M3	-22668.382	-16.852	657.842	4.9537	11666.3886	-149.4948
f-p1	SLU-43	Max P	-20708.063	47.702	-709.941	-3.2224	-10306.7879	652.876
f-p1	SLU-43	Min P	-23681.286	40.801	-702.372	-2.8355	-14321.36	565.2434
f-p1	SLU-43	Max M2	-21486.174	44.48	-705.799	-5.2387	-8924.1038	611.9613
f-p1	SLU-43	Min M2	-23022.257	41.662	-704.268	-1.5126	-15679.227	576.1707
f-p1	SLU-43	Max M3	-22446.551	57.68	-703.712	-4.379	-12195.2029	779.5997
f-p1	SLU-43	Min M3	-22610.698	26.479	-703.255	-0.529	-12663.2406	383.3555
f-p1	SLU-44	Max P	-20752.319	47.722	-701.079	-5.5018	-10175.7958	653.1311
f-p1	SLU-44	Min P	-23730.327	44.071	-708.292	-5.9837	-6431.546	606.7719
f-p1	SLU-44	Max M2	-23093.849	43.975	-706.033	-7.4889	-4874.0144	605.5445
f-p1	SLU-44	Min M2	-21544.664	42.667	-705.038	-3.5779	-11634.8408	588.938
f-p1	SLU-44	Max M3	-22529.271	61.865	-706.549	-4.5473	-8208.1331	832.7531
f-p1	SLU-44	Min M3	-22662.531	25.502	-707.057	-8.5498	-8106.6765	370.9444
f-p1	SLU-45	Max P	-20359.35	7.865	654.977	10.1881	9617.4493	164.4202
f-p1	SLU-45	Min P	-23332.573	0.965	662.546	10.575	5602.8772	76.7876
f-p1	SLU-45	Max M2	-21137.461	4.644	659.119	8.1719	11000.1333	123.5056
f-p1	SLU-45	Min M2	-22673.544	1.826	660.65	11.8979	4245.0102	87.7149
f-p1	SLU-45	Max M3	-22097.838	17.844	661.207	9.0315	7729.0343	291.144
f-p1	SLU-45	Min M3	-22261.985	-13.357	661.663	12.8815	7260.9965	-105.1002
f-p1	SLU-46	Max P	-20403.606	7.886	663.839	7.9087	9748.4414	164.6753
f-p1	SLU-46	Min P	-23381.614	4.235	656.626	7.4268	13492.6912	118.3161
f-p1	SLU-46	Max M2	-22745.136	4.138	658.885	5.9217	15050.2228	117.0888
f-p1	SLU-46	Min M2	-21195.951	2.831	659.88	9.8326	8289.3964	100.4822
f-p1	SLU-46	Max M3	-22180.557	22.029	658.369	8.8632	11716.104	344.2974
f-p1	SLU-46	Min M3	-22313.818	-14.334	657.861	4.8607	11817.5607	-117.5113
f-p1	SLU-47	Max P	-20353.499	50.22	-709.922	-3.3154	-10155.6158	684.8595
f-p1	SLU-47	Min P	-23326.722	43.32	-702.353	-2.9285	-14170.1879	597.2269
f-p1	SLU-47	Max M2	-21131.61	46.998	-705.78	-5.3317	-8772.9318	643.9448
f-p1	SLU-47	Min M2	-22667.693	44.18	-704.25	-1.6057	-15528.0549	608.1542
f-p1	SLU-47	Max M3	-22091.987	60.198	-703.693	-4.4721	-12044.0308	811.5832
f-p1	SLU-47	Min M3	-22256.134	28.998	-703.237	-0.622	-12512.0686	415.339
f-p1	SLU-48	Max P	-20397.755	50.24	-701.06	-5.5949	-10024.6237	685.1145
f-p1	SLU-48	Min P	-23375.763	46.59	-708.273	-6.0768	-6280.3739	638.7553
f-p1	SLU-48	Max M2	-22739.285	46.493	-706.014	-7.5819	-4722.8423	637.528
f-p1	SLU-48	Min M2	-21190.1	45.186	-705.019	-3.671	-11483.6687	620.9214
f-p1	SLU-48	Max M3	-22174.706	64.383	-706.531	-4.6404	-8056.9611	864.7366
f-p1	SLU-48	Min M3	-22307.967	28.021	-707.038	-8.6429	-7955.5044	402.9279
f-p1	SLU-49	Max P	-20494.815	-705.729	688.032	6.097	9944.9176	-8898.2238
f-p1	SLU-49	Min P	-23468.038	-712.629	695.6	6.4839	5930.3455	-8985.8564
f-p1	SLU-49	Max M2	-21272.926	-708.95	692.174	4.0807	11327.6017	-8939.1385
f-p1	SLU-49	Min M2	-22809.009	-711.768	693.704	7.8067	4572.4785	-8974.9291
f-p1	SLU-49	Max M3	-22233.303	-695.75	694.261	4.9403	8056.5026	-8771.5001
f-p1	SLU-49	Min M3	-22397.45	-726.951	694.717	8.7904	7588.4649	-9167.7443
f-p1	SLU-50	Max P	-20539.071	-705.708	696.894	3.8175	10075.9098	-8897.9688

f-p1	SLU-50	Min P	-23517.079	-709.359	689.681	3.3356	13820.1596	-8944.328
f-p1	SLU-50	Max M2	-22880.601	-709.456	691.94	1.8305	15377.6912	-8945.5553
f-p1	SLU-50	Min M2	-21331.416	-710.763	692.935	5.7414	8616.8647	-8962.1619
f-p1	SLU-50	Max M3	-22316.022	-691.565	691.423	4.772	12043.5724	-8718.3467
f-p1	SLU-50	Min M3	-22449.283	-727.928	690.916	0.7695	12145.0291	-9180.1554
f-p1	SLU-51	Max P	-20488.964	-663.374	-676.868	-7.4066	-9828.1475	-8377.7846
f-p1	SLU-51	Min P	-23462.186	-670.274	-669.299	-7.0197	-13842.7195	-8465.4172
f-p1	SLU-51	Max M2	-21267.075	-666.596	-672.725	-9.4229	-8445.4634	-8418.6993
f-p1	SLU-51	Min M2	-22803.158	-669.414	-671.195	-5.6969	-15200.5865	-8454.4899
f-p1	SLU-51	Max M3	-22227.451	-653.396	-670.638	-8.5633	-11716.5624	-8251.0609
f-p1	SLU-51	Min M3	-22391.598	-684.596	-670.182	-4.7132	-12184.6002	-8647.3051
f-p1	SLU-52	Max P	-20533.219	-663.354	-668.005	-9.6861	-9697.1553	-8377.5295
f-p1	SLU-52	Min P	-23511.228	-667.004	-675.218	-10.168	-5952.9055	-8423.8888
f-p1	SLU-52	Max M2	-22874.749	-667.101	-672.96	-11.6731	-4395.3739	-8425.1161
f-p1	SLU-52	Min M2	-21325.564	-668.409	-671.964	-7.7622	-11156.2003	-8441.7226
f-p1	SLU-52	Max M3	-22310.171	-649.211	-673.476	-8.7316	-7729.4927	-8197.9075
f-p1	SLU-52	Min M3	-22443.431	-685.573	-673.983	-12.7341	-7628.036	-8659.7162
f-p1	SLU-53	Max P	-20140.251	-703.21	688.051	6.0039	10096.0897	-8866.2404
f-p1	SLU-53	Min P	-23113.473	-710.111	695.619	6.3908	6081.5176	-8953.873
f-p1	SLU-53	Max M2	-20918.362	-706.432	692.193	3.9876	11478.7738	-8907.1551
f-p1	SLU-53	Min M2	-22454.445	-709.25	693.723	7.7137	4723.6506	-8942.9457
f-p1	SLU-53	Max M3	-21878.738	-693.232	694.28	4.8473	8207.6747	-8739.5166
f-p1	SLU-53	Min M3	-22042.885	-724.432	694.736	8.6973	7739.637	-9135.7608
f-p1	SLU-54	Max P	-20184.506	-703.19	696.913	3.7245	10227.0818	-8865.9853
f-p1	SLU-54	Min P	-23162.515	-706.841	689.7	3.2426	13971.3316	-8912.3445
f-p1	SLU-54	Max M2	-22526.036	-706.937	691.959	1.7374	15528.8632	-8913.5718
f-p1	SLU-54	Min M2	-20976.851	-708.245	692.954	5.6484	8768.0368	-8930.1784
f-p1	SLU-54	Max M3	-21961.458	-689.047	691.442	4.679	12194.7445	-8686.3632
f-p1	SLU-54	Min M3	-22094.718	-725.41	690.935	0.6764	12296.2011	-9148.172
f-p1	SLU-55	Max P	-20134.399	-660.856	-676.849	-7.4997	-9676.9754	-8345.8012
f-p1	SLU-55	Min P	-23107.622	-667.756	-669.28	-7.1128	-13691.5475	-8433.4338
f-p1	SLU-55	Max M2	-20912.51	-664.077	-672.707	-9.516	-8294.2913	-8386.7158
f-p1	SLU-55	Min M2	-22448.593	-666.896	-671.176	-5.7899	-15049.4145	-8422.5065
f-p1	SLU-55	Max M3	-21872.887	-650.877	-670.619	-8.6563	-11565.3904	-8219.0774
f-p1	SLU-55	Min M3	-22037.034	-682.078	-670.163	-4.8063	-12033.4281	-8615.3216
f-p1	SLU-56	Max P	-20178.655	-660.835	-667.986	-9.7791	-9545.9833	-8345.5461
f-p1	SLU-56	Min P	-23156.663	-664.486	-675.199	-10.261	-5801.7335	-8391.9053
f-p1	SLU-56	Max M2	-22520.185	-664.583	-672.941	-11.7661	-4244.2019	-8393.1326
f-p1	SLU-56	Min M2	-20971	-665.89	-671.946	-7.8552	-11005.0283	-8409.7392
f-p1	SLU-56	Max M3	-21955.606	-646.692	-673.457	-8.8246	-7578.3206	-8165.924
f-p1	SLU-56	Min M3	-22088.867	-683.055	-673.965	-12.8271	-7476.864	-8627.7327
f-p1	SLU-57	Max P	-20715.972	-703	688.126	6.063	9971.2351	-8863.5675
f-p1	SLU-57	Min P	-23689.194	-709.9	695.695	6.45	5956.663	-8951.2001
f-p1	SLU-57	Max M2	-21494.083	-706.221	692.269	4.0468	11353.9191	-8904.4822
f-p1	SLU-57	Min M2	-23030.166	-709.04	693.799	7.7728	4598.796	-8940.2728
f-p1	SLU-57	Max M3	-22454.459	-693.022	694.356	4.9064	8082.8201	-8736.8438
f-p1	SLU-57	Min M3	-22618.606	-724.222	694.812	8.7565	7614.7823	-9133.088
f-p1	SLU-58	Max P	-20760.227	-702.98	696.989	3.7836	10102.2272	-8863.3124
f-p1	SLU-58	Min P	-23738.236	-706.63	689.776	3.3017	13846.477	-8909.6716
f-p1	SLU-58	Max M2	-23101.757	-706.727	692.034	1.7966	15404.0086	-8910.8989
f-p1	SLU-58	Min M2	-21552.573	-708.034	693.03	5.7075	8643.1822	-8927.5055

f-p1	SLU-58	Max M3	-22537.179	-688.836	691.518	4.7381	12069.8898	-8683.6903
f-p1	SLU-58	Min M3	-22670.439	-725.199	691.011	0.7356	12171.3465	-9145.4991
f-p1	SLU-59	Max P	-20710.12	-660.645	-676.773	-7.4405	-9801.83	-8343.1283
f-p1	SLU-59	Min P	-23683.343	-667.546	-669.204	-7.0536	-13816.4021	-8430.7609
f-p1	SLU-59	Max M2	-21488.232	-663.867	-672.631	-9.4568	-8419.146	-8384.043
f-p1	SLU-59	Min M2	-23024.315	-666.685	-671.1	-5.7308	-15174.2691	-8419.8336
f-p1	SLU-59	Max M3	-22448.608	-650.667	-670.543	-8.5972	-11690.245	-8216.4045
f-p1	SLU-59	Min M3	-22612.755	-681.867	-670.087	-4.7471	-12158.2828	-8612.6487
f-p1	SLU-60	Max P	-20754.376	-660.625	-667.911	-9.72	-9670.8379	-8342.8732
f-p1	SLU-60	Min P	-23732.385	-664.276	-675.124	-10.2019	-5926.5881	-8389.2324
f-p1	SLU-60	Max M2	-23095.906	-664.372	-672.865	-11.707	-4369.0565	-8390.4597
f-p1	SLU-60	Min M2	-21546.721	-665.68	-671.87	-7.7961	-11129.8829	-8407.0663
f-p1	SLU-60	Max M3	-22531.328	-646.482	-673.381	-8.7655	-7703.1753	-8163.2511
f-p1	SLU-60	Min M3	-22664.588	-682.845	-673.889	-12.768	-7601.7186	-8625.0599
f-p1	SLU-61	Max P	-20361.407	-700.481	688.145	5.97	10122.4071	-8831.584
f-p1	SLU-61	Min P	-23334.63	-707.382	695.714	6.3569	6107.835	-8919.2166
f-p1	SLU-61	Max M2	-21139.518	-703.703	692.287	3.9537	11505.0912	-8872.4987
f-p1	SLU-61	Min M2	-22675.601	-706.521	693.818	7.6798	4749.968	-8908.2893
f-p1	SLU-61	Max M3	-22099.895	-690.503	694.375	4.8134	8233.9921	-8704.8603
f-p1	SLU-61	Min M3	-22264.042	-721.704	694.831	8.6634	7765.9544	-9101.1045
f-p1	SLU-62	Max P	-20405.663	-700.461	697.008	3.6905	10253.3993	-8831.329
f-p1	SLU-62	Min P	-23383.671	-704.112	689.795	3.2087	13997.6491	-8877.6882
f-p1	SLU-62	Max M2	-22747.193	-704.208	692.053	1.7035	15555.1807	-8878.9155
f-p1	SLU-62	Min M2	-21198.008	-705.516	693.048	5.6144	8794.3542	-8895.5221
f-p1	SLU-62	Max M3	-22182.615	-686.318	691.537	4.6451	12221.0619	-8651.7069
f-p1	SLU-62	Min M3	-22315.875	-722.681	691.029	0.6425	12322.5186	-9113.5156
f-p1	SLU-63	Max P	-20355.556	-658.127	-676.754	-7.5336	-9650.658	-8311.1448
f-p1	SLU-63	Min P	-23328.779	-665.027	-669.185	-7.1467	-13665.2301	-8398.7774
f-p1	SLU-63	Max M2	-21133.667	-661.348	-672.612	-9.5499	-8267.9739	-8352.0595
f-p1	SLU-63	Min M2	-22669.75	-664.167	-671.081	-5.8238	-15023.0971	-8387.8501
f-p1	SLU-63	Max M3	-22094.044	-648.149	-670.524	-8.6902	-11539.073	-8184.4211
f-p1	SLU-63	Min M3	-22258.191	-679.349	-670.068	-4.8402	-12007.1107	-8580.6653
f-p1	SLU-64	Max P	-20399.812	-658.107	-667.892	-9.813	-9519.6658	-8310.8897
f-p1	SLU-64	Min P	-23377.82	-661.757	-675.105	-10.2949	-5775.416	-8357.2489
f-p1	SLU-64	Max M2	-22741.342	-661.854	-672.846	-11.8001	-4217.8844	-8358.4763
f-p1	SLU-64	Min M2	-21192.157	-663.161	-671.851	-7.8891	-10978.7109	-8375.0828
f-p1	SLU-64	Max M3	-22176.763	-643.963	-673.362	-8.8585	-7552.0032	-8131.2677
f-p1	SLU-64	Min M3	-22310.024	-680.326	-673.87	-12.861	-7450.5465	-8593.0764
f-p1	SLU-65	Max P	-20494.56	-354.377	804.346	-10.18	11736.0182	-4436.064
f-p1	SLU-65	Min P	-23467.782	-361.278	811.915	-9.7931	7721.4461	-4523.6966
f-p1	SLU-65	Max M2	-21272.671	-357.599	808.488	-12.1962	13118.7023	-4476.9787
f-p1	SLU-65	Min M2	-22808.754	-360.417	810.019	-8.4702	6363.5791	-4512.7693
f-p1	SLU-65	Max M3	-22233.047	-344.399	810.576	-11.3366	9847.6032	-4309.3403
f-p1	SLU-65	Min M3	-22397.194	-375.6	811.032	-7.4866	9379.5655	-4705.5845
f-p1	SLU-66	Max P	-20538.815	-354.357	813.208	-12.4594	11867.0103	-4435.809
f-p1	SLU-66	Min P	-23516.824	-358.008	805.995	-12.9413	15611.2601	-4482.1682
f-p1	SLU-66	Max M2	-22880.345	-358.104	808.254	-14.4464	17168.7917	-4483.3955
f-p1	SLU-66	Min M2	-21331.161	-359.412	809.249	-10.5355	10407.9653	-4500.0021
f-p1	SLU-66	Max M3	-22315.767	-340.214	807.738	-11.5049	13834.673	-4256.1869
f-p1	SLU-66	Min M3	-22449.027	-376.577	807.23	-15.5074	13936.1296	-4717.9956
f-p1	SLU-67	Max P	-20488.708	-312.023	-560.553	-23.6835	-8037.0469	-3915.6248

f-p1	SLU-67	Min P	-23461.931	-318.923	-552.985	-23.2966	-12051.619	-4003.2574
f-p1	SLU-67	Max M2	-21266.819	-315.244	-556.411	-25.6998	-6654.3628	-3956.5395
f-p1	SLU-67	Min M2	-22802.902	-318.063	-554.881	-21.9738	-13409.486	-3992.3301
f-p1	SLU-67	Max M3	-22227.196	-302.045	-554.324	-24.8402	-9925.4619	-3788.9011
f-p1	SLU-67	Min M3	-22391.343	-333.245	-553.868	-20.9901	-10393.4996	-4185.1453
f-p1	SLU-68	Max P	-20532.964	-312.003	-551.691	-25.963	-7906.0548	-3915.3697
f-p1	SLU-68	Min P	-23510.972	-315.653	-558.904	-26.4449	-4161.805	-3961.729
f-p1	SLU-68	Max M2	-22874.494	-315.75	-556.645	-27.95	-2604.2734	-3962.9563
f-p1	SLU-68	Min M2	-21325.309	-317.057	-555.65	-24.0391	-9365.0998	-3979.5628
f-p1	SLU-68	Max M3	-22309.916	-297.859	-557.162	-25.0085	-5938.3921	-3735.7477
f-p1	SLU-68	Min M3	-22443.176	-334.222	-557.669	-29.011	-5836.9355	-4197.5564
f-p1	SLU-69	Max P	-20139.995	-351.859	804.365	-10.273	11887.1903	-4404.0806
f-p1	SLU-69	Min P	-23113.218	-358.759	811.934	-9.8861	7872.6182	-4491.7132
f-p1	SLU-69	Max M2	-20918.106	-355.081	808.507	-12.2893	13269.8743	-4444.9953
f-p1	SLU-69	Min M2	-22454.189	-357.899	810.038	-8.5633	6514.7512	-4480.7859
f-p1	SLU-69	Max M3	-21878.483	-341.881	810.594	-11.4297	9998.7753	-4277.3568
f-p1	SLU-69	Min M3	-22042.63	-373.081	811.051	-7.5796	9530.7375	-4673.601
f-p1	SLU-70	Max P	-20184.251	-351.839	813.227	-12.5525	12018.1824	-4403.8255
f-p1	SLU-70	Min P	-23162.259	-355.489	806.014	-13.0344	15762.4322	-4450.1847
f-p1	SLU-70	Max M2	-22525.781	-355.586	808.273	-14.5395	17319.9638	-4451.412
f-p1	SLU-70	Min M2	-20976.596	-356.894	809.268	-10.6286	10559.1374	-4468.0186
f-p1	SLU-70	Max M3	-21961.202	-337.696	807.757	-11.598	13985.845	-4224.2034
f-p1	SLU-70	Min M3	-22094.463	-374.058	807.249	-15.6005	14087.3017	-4686.0122
f-p1	SLU-71	Max P	-20134.144	-309.504	-560.534	-23.7766	-7885.8748	-3883.6414
f-p1	SLU-71	Min P	-23107.367	-316.405	-552.966	-23.3897	-11900.4469	-3971.274
f-p1	SLU-71	Max M2	-20912.255	-312.726	-556.392	-25.7929	-6503.1908	-3924.556
f-p1	SLU-71	Min M2	-22448.338	-315.544	-554.862	-22.0668	-13258.3139	-3960.3467
f-p1	SLU-71	Max M3	-21872.632	-299.526	-554.305	-24.9332	-9774.2898	-3756.9176
f-p1	SLU-71	Min M3	-22036.779	-330.727	-553.849	-21.0832	-10242.3276	-4153.1618
f-p1	SLU-72	Max P	-20178.4	-309.484	-551.672	-26.056	-7754.8827	-3883.3863
f-p1	SLU-72	Min P	-23156.408	-313.135	-558.885	-26.5379	-4010.6329	-3929.7455
f-p1	SLU-72	Max M2	-22519.93	-313.231	-556.626	-28.0431	-2453.1013	-3930.9728
f-p1	SLU-72	Min M2	-20970.745	-314.539	-555.631	-24.1321	-9213.9277	-3947.5794
f-p1	SLU-72	Max M3	-21955.351	-295.341	-557.143	-25.1015	-5787.2201	-3703.7642
f-p1	SLU-72	Min M3	-22088.612	-331.704	-557.65	-29.1041	-5685.7634	-4165.5729
f-p1	SLU-73	Max P	-20715.717	-351.649	804.441	-10.2139	11762.3356	-4401.4077
f-p1	SLU-73	Min P	-23688.939	-358.549	812.009	-9.827	7747.7635	-4489.0403
f-p1	SLU-73	Max M2	-21493.828	-354.87	808.583	-12.2301	13145.0197	-4442.3224
f-p1	SLU-73	Min M2	-23029.911	-357.688	810.113	-8.5041	6389.8965	-4478.113
f-p1	SLU-73	Max M3	-22454.204	-341.67	810.67	-11.3705	9873.9206	-4274.6839
f-p1	SLU-73	Min M3	-22618.351	-372.871	811.126	-7.5205	9405.8829	-4670.9282
f-p1	SLU-74	Max P	-20759.972	-351.628	813.303	-12.4933	11893.3278	-4401.1526
f-p1	SLU-74	Min P	-23737.981	-355.279	806.09	-12.9752	15637.5776	-4447.5118
f-p1	SLU-74	Max M2	-23101.502	-355.376	808.349	-14.4803	17195.1092	-4448.7391
f-p1	SLU-74	Min M2	-21552.317	-356.683	809.344	-10.5694	10434.2827	-4465.3457
f-p1	SLU-74	Max M3	-22536.924	-337.485	807.832	-11.5388	13860.9904	-4221.5305
f-p1	SLU-74	Min M3	-22670.184	-373.848	807.325	-15.5413	13962.4471	-4683.3393
f-p1	SLU-75	Max P	-20709.865	-309.294	-560.459	-23.7175	-8010.7295	-3880.9685
f-p1	SLU-75	Min P	-23683.088	-316.194	-552.89	-23.3305	-12025.3016	-3968.6011
f-p1	SLU-75	Max M2	-21487.976	-312.516	-556.316	-25.7337	-6628.0454	-3921.8832
f-p1	SLU-75	Min M2	-23024.059	-315.334	-554.786	-22.0077	-13383.1685	-3957.6738

f-p1	SLU-75	Max M3	-22448.353	-299.316	-554.229	-24.8741	-9899.1445	-3754.2447
f-p1	SLU-75	Min M3	-22612.5	-330.516	-553.773	-21.024	-10367.1822	-4150.4889
f-p1	SLU-76	Max P	-20754.121	-309.274	-551.596	-25.9969	-7879.7373	-3880.7134
f-p1	SLU-76	Min P	-23732.129	-312.924	-558.809	-26.4788	-4135.4875	-3927.0726
f-p1	SLU-76	Max M2	-23095.651	-313.021	-556.551	-27.9839	-2577.9559	-3928.2999
f-p1	SLU-76	Min M2	-21546.466	-314.329	-555.555	-24.073	-9338.7824	-3944.9065
f-p1	SLU-76	Max M3	-22531.072	-295.131	-557.067	-25.0424	-5912.0747	-3701.0913
f-p1	SLU-76	Min M3	-22664.333	-331.493	-557.574	-29.0449	-5810.618	-4162.9
f-p1	SLU-77	Max P	-20361.152	-349.13	804.46	-10.3069	11913.5077	-4369.4242
f-p1	SLU-77	Min P	-23334.375	-356.031	812.028	-9.92	7898.9356	-4457.0568
f-p1	SLU-77	Max M2	-21139.263	-352.352	808.602	-12.3232	13296.1918	-4410.3389
f-p1	SLU-77	Min M2	-22675.346	-355.17	810.132	-8.5972	6541.0686	-4446.1295
f-p1	SLU-77	Max M3	-22099.64	-339.152	810.689	-11.4636	10025.0927	-4242.7005
f-p1	SLU-77	Min M3	-22263.787	-370.352	811.145	-7.6135	9557.0549	-4638.9447
f-p1	SLU-78	Max P	-20405.408	-349.11	813.322	-12.5864	12044.4998	-4369.1692
f-p1	SLU-78	Min P	-23383.416	-352.761	806.109	-13.0683	15788.7496	-4415.5284
f-p1	SLU-78	Max M2	-22746.938	-352.857	808.368	-14.5734	17346.2812	-4416.7557
f-p1	SLU-78	Min M2	-21197.753	-354.165	809.363	-10.6625	10585.4548	-4433.3623
f-p1	SLU-78	Max M3	-22182.359	-334.967	807.851	-11.6319	14012.1624	-4189.5471
f-p1	SLU-78	Min M3	-22315.62	-371.33	807.344	-15.6344	14113.6191	-4651.3558
f-p1	SLU-79	Max P	-20355.301	-306.776	-560.44	-23.8105	-7859.5574	-3848.985
f-p1	SLU-79	Min P	-23328.523	-313.676	-552.871	-23.4236	-11874.1295	-3936.6176
f-p1	SLU-79	Max M2	-21133.412	-309.997	-556.298	-25.8268	-6476.8733	-3889.8997
f-p1	SLU-79	Min M2	-22669.495	-312.816	-554.767	-22.1007	-13231.9965	-3925.6903
f-p1	SLU-79	Max M3	-22093.788	-296.797	-554.21	-24.9671	-9747.9724	-3722.2613
f-p1	SLU-79	Min M3	-22257.935	-327.998	-553.754	-21.1171	-10216.0101	-4118.5055
f-p1	SLU-80	Max P	-20399.556	-306.755	-551.577	-26.0899	-7728.5653	-3848.7299
f-p1	SLU-80	Min P	-23377.565	-310.406	-558.79	-26.5718	-3984.3155	-3895.0891
f-p1	SLU-80	Max M2	-22741.086	-310.503	-556.532	-28.077	-2426.7839	-3896.3165
f-p1	SLU-80	Min M2	-21191.902	-311.81	-555.537	-24.1661	-9187.6103	-3912.923
f-p1	SLU-80	Max M3	-22176.508	-292.612	-557.048	-25.1354	-5760.9026	-3669.1079
f-p1	SLU-80	Min M3	-22309.768	-328.975	-557.556	-29.138	-5659.446	-4130.9166
f-p1	SLU-81	Max P	-20493.684	-349.751	688.216	-4.2407	9932.9908	-4377.3138
f-p1	SLU-81	Min P	-23466.906	-356.652	695.784	-3.8538	5918.4187	-4464.9464
f-p1	SLU-81	Max M2	-21271.795	-352.973	692.358	-6.257	11315.6748	-4418.2285
f-p1	SLU-81	Min M2	-22807.878	-355.791	693.888	-2.5309	4560.5517	-4454.0191
f-p1	SLU-81	Max M3	-22232.171	-339.773	694.445	-5.3973	8044.5758	-4250.5901
f-p1	SLU-81	Min M3	-22396.318	-370.974	694.901	-1.5473	7576.538	-4646.8343
f-p1	SLU-82	Max P	-20537.939	-349.731	697.078	-6.5201	10063.9829	-4377.0587
f-p1	SLU-82	Min P	-23515.948	-353.382	689.865	-7.002	13808.2327	-4423.4179
f-p1	SLU-82	Max M2	-22879.469	-353.478	692.124	-8.5072	15365.7643	-4424.6452
f-p1	SLU-82	Min M2	-21330.284	-354.786	693.119	-4.5962	8604.9379	-4441.2518
f-p1	SLU-82	Max M3	-22314.891	-335.588	691.607	-5.5656	12031.6455	-4197.4366
f-p1	SLU-82	Min M3	-22448.151	-371.951	691.1	-9.5682	12133.1022	-4659.2454
f-p1	SLU-83	Max P	-20487.832	-307.397	-676.684	-17.7443	-9840.0743	-3856.8746
f-p1	SLU-83	Min P	-23461.055	-314.297	-669.115	-17.3574	-13854.6464	-3944.5072
f-p1	SLU-83	Max M2	-21265.943	-310.618	-672.541	-19.7606	-8457.3903	-3897.7893
f-p1	SLU-83	Min M2	-22802.026	-313.437	-671.011	-16.0345	-15212.5134	-3933.5799
f-p1	SLU-83	Max M3	-22226.32	-297.419	-670.454	-18.9009	-11728.4893	-3730.1508
f-p1	SLU-83	Min M3	-22390.467	-328.619	-669.998	-15.0509	-12196.5271	-4126.395
f-p1	SLU-84	Max P	-20532.088	-307.377	-667.821	-20.0237	-9709.0822	-3856.6195

f-p1	SLU-84	Min P	-23510.096	-311.027	-675.034	-20.5056	-5964.8324	-3902.9787
f-p1	SLU-84	Max M2	-22873.618	-311.124	-672.776	-22.0107	-4407.3008	-3904.206
f-p1	SLU-84	Min M2	-21324.433	-312.431	-671.78	-18.0998	-11168.1272	-3920.8126
f-p1	SLU-84	Max M3	-22309.039	-293.233	-673.292	-19.0692	-7741.4196	-3676.9974
f-p1	SLU-84	Min M3	-22442.3	-329.596	-673.799	-23.0717	-7639.9629	-4138.8062
f-p1	SLU-85	Max P	-20139.119	-347.233	688.235	-4.3338	10084.1628	-4345.3303
f-p1	SLU-85	Min P	-23112.342	-354.133	695.803	-3.9469	6069.5907	-4432.9629
f-p1	SLU-85	Max M2	-20917.23	-350.455	692.377	-6.35	11466.8469	-4386.245
f-p1	SLU-85	Min M2	-22453.313	-353.273	693.907	-2.624	4711.7237	-4422.0356
f-p1	SLU-85	Max M3	-21877.607	-337.255	694.464	-5.4904	8195.7478	-4218.6066
f-p1	SLU-85	Min M3	-22041.754	-368.455	694.92	-1.6404	7727.7101	-4614.8508
f-p1	SLU-86	Max P	-20183.375	-347.213	697.097	-6.6132	10215.1549	-4345.0753
f-p1	SLU-86	Min P	-23161.383	-350.863	689.884	-7.0951	13959.4047	-4391.4345
f-p1	SLU-86	Max M2	-22524.905	-350.96	692.143	-8.6002	15516.9364	-4392.6618
f-p1	SLU-86	Min M2	-20975.72	-352.268	693.138	-4.6893	8756.1099	-4409.2684
f-p1	SLU-86	Max M3	-21960.326	-333.07	691.626	-5.6587	12182.8176	-4165.4532
f-p1	SLU-86	Min M3	-22093.587	-369.432	691.119	-9.6612	12284.2743	-4627.2619
f-p1	SLU-87	Max P	-20133.268	-304.878	-676.665	-17.8373	-9688.9023	-3824.8911
f-p1	SLU-87	Min P	-23106.491	-311.779	-669.096	-17.4504	-13703.4744	-3912.5237
f-p1	SLU-87	Max M2	-20911.379	-308.1	-672.523	-19.8536	-8306.2182	-3865.8058
f-p1	SLU-87	Min M2	-22447.462	-310.918	-670.992	-16.1276	-15061.3414	-3901.5964
f-p1	SLU-87	Max M3	-21871.755	-294.9	-670.435	-18.994	-11577.3173	-3698.1674
f-p1	SLU-87	Min M3	-22035.903	-326.101	-669.979	-15.1439	-12045.355	-4094.4116
f-p1	SLU-88	Max P	-20177.524	-304.858	-667.802	-20.1168	-9557.9101	-3824.636
f-p1	SLU-88	Min P	-23155.532	-308.509	-675.015	-20.5987	-5813.6603	-3870.9952
f-p1	SLU-88	Max M2	-22519.054	-308.605	-672.757	-22.1038	-4256.1287	-3872.2226
f-p1	SLU-88	Min M2	-20969.869	-309.913	-671.761	-18.1929	-11016.9552	-3888.8291
f-p1	SLU-88	Max M3	-21954.475	-290.715	-673.273	-19.1623	-7590.2475	-3645.014
f-p1	SLU-88	Min M3	-22087.735	-327.078	-673.781	-23.1648	-7488.7908	-4106.8227
f-p1	SLU-89	Max P	-20714.84	-347.023	688.31	-4.2746	9959.3082	-4342.6574
f-p1	SLU-89	Min P	-23688.063	-353.923	695.879	-3.8877	5944.7361	-4430.29
f-p1	SLU-89	Max M2	-21492.951	-350.244	692.453	-6.2909	11341.9923	-4383.5721
f-p1	SLU-89	Min M2	-23029.034	-353.062	693.983	-2.5648	4586.8691	-4419.3627
f-p1	SLU-89	Max M3	-22453.328	-337.044	694.54	-5.4312	8070.8932	-4215.9337
f-p1	SLU-89	Min M3	-22617.475	-368.245	694.996	-1.5812	7602.8555	-4612.1779
f-p1	SLU-90	Max P	-20759.096	-347.002	697.173	-6.554	10090.3003	-4342.4024
f-p1	SLU-90	Min P	-23737.104	-350.653	689.96	-7.0359	13834.5501	-4388.7616
f-p1	SLU-90	Max M2	-23100.626	-350.75	692.218	-8.5411	15392.0817	-4389.9889
f-p1	SLU-90	Min M2	-21551.441	-352.057	693.214	-4.6302	8631.2553	-4406.5955
f-p1	SLU-90	Max M3	-22536.048	-332.859	691.702	-5.5995	12057.963	-4162.7803
f-p1	SLU-90	Min M3	-22669.308	-369.222	691.195	-9.6021	12159.4196	-4624.589
f-p1	SLU-91	Max P	-20708.989	-304.668	-676.589	-17.7782	-9813.7569	-3822.2182
f-p1	SLU-91	Min P	-23682.212	-311.568	-669.02	-17.3913	-13828.329	-3909.8508
f-p1	SLU-91	Max M2	-21487.1	-307.89	-672.447	-19.7945	-8431.0728	-3863.1329
f-p1	SLU-91	Min M2	-23023.183	-310.708	-670.916	-16.0684	-15186.196	-3898.9235
f-p1	SLU-91	Max M3	-22447.477	-294.69	-670.359	-18.9348	-11702.1719	-3695.4945
f-p1	SLU-91	Min M3	-22611.624	-325.89	-669.903	-15.0848	-12170.2096	-4091.7387
f-p1	SLU-92	Max P	-20753.245	-304.648	-667.727	-20.0576	-9682.7648	-3821.9632
f-p1	SLU-92	Min P	-23731.253	-308.298	-674.939	-20.5395	-5938.515	-3868.3224
f-p1	SLU-92	Max M2	-23094.775	-308.395	-672.681	-22.0446	-4380.9834	-3869.5497
f-p1	SLU-92	Min M2	-21545.59	-309.703	-671.686	-18.1337	-11141.8098	-3886.1562

f-p1	SLU-92	Max M3	-22530.196	-290.505	-673.197	-19.1031	-7715.1021	-3642.3411
f-p1	SLU-92	Min M3	-22663.457	-326.867	-673.705	-23.1056	-7613.6455	-4104.1498
f-p1	SLU-93	Max P	-20360.276	-344.504	688.329	-4.3677	10110.4803	-4310.674
f-p1	SLU-93	Min P	-23333.499	-351.405	695.898	-3.9808	6095.9082	-4398.3066
f-p1	SLU-93	Max M2	-21138.387	-347.726	692.471	-6.3839	11493.1643	-4351.5887
f-p1	SLU-93	Min M2	-22674.47	-350.544	694.002	-2.6579	4738.0412	-4387.3793
f-p1	SLU-93	Max M3	-22098.764	-334.526	694.559	-5.5243	8222.0653	-4183.9502
f-p1	SLU-93	Min M3	-22262.911	-365.726	695.015	-1.6743	7754.0275	-4580.1945
f-p1	SLU-94	Max P	-20404.532	-344.484	697.192	-6.6471	10241.4724	-4310.4189
f-p1	SLU-94	Min P	-23382.54	-348.135	689.979	-7.129	13985.7222	-4356.7781
f-p1	SLU-94	Max M2	-22746.062	-348.231	692.237	-8.6341	15543.2538	-4358.0054
f-p1	SLU-94	Min M2	-21196.877	-349.539	693.232	-4.7232	8782.4274	-4374.612
f-p1	SLU-94	Max M3	-22181.483	-330.341	691.721	-5.6926	12209.135	-4130.7968
f-p1	SLU-94	Min M3	-22314.744	-366.704	691.213	-9.6951	12310.5917	-4592.6056
f-p1	SLU-95	Max P	-20354.425	-302.15	-676.57	-17.8712	-9662.5848	-3790.2348
f-p1	SLU-95	Min P	-23327.647	-309.05	-669.001	-17.4843	-13677.1569	-3877.8674
f-p1	SLU-95	Max M2	-21132.536	-305.371	-672.428	-19.8875	-8279.9008	-3831.1495
f-p1	SLU-95	Min M2	-22668.619	-308.19	-670.897	-16.1615	-15035.0239	-3866.9401
f-p1	SLU-95	Max M3	-22092.912	-292.171	-670.34	-19.0279	-11550.9998	-3663.511
f-p1	SLU-95	Min M3	-22257.059	-323.372	-669.884	-15.1778	-12019.0376	-4059.7552
f-p1	SLU-96	Max P	-20398.68	-302.129	-667.708	-20.1507	-9531.5927	-3789.9797
f-p1	SLU-96	Min P	-23376.689	-305.78	-674.921	-20.6326	-5787.3429	-3836.3389
f-p1	SLU-96	Max M2	-22740.21	-305.877	-672.662	-22.1377	-4229.8113	-3837.5662
f-p1	SLU-96	Min M2	-21191.025	-307.184	-671.667	-18.2268	-10990.6377	-3854.1728
f-p1	SLU-96	Max M3	-22175.632	-287.986	-673.178	-19.1962	-7563.9301	-3610.3576
f-p1	SLU-96	Min M3	-22308.892	-324.349	-673.686	-23.1987	-7462.4734	-4072.1663
f-p1	SLU-97	Max P	-20495.189	-367.384	1126.376	12.7474	16248.2802	-4595.4258
f-p1	SLU-97	Min P	-23468.412	-374.284	1133.945	13.1343	12233.7081	-4683.0584
f-p1	SLU-97	Max M2	-21273.3	-370.606	1130.519	10.7311	17630.9643	-4636.3405
f-p1	SLU-97	Min M2	-22809.383	-373.424	1132.049	14.4572	10875.8411	-4672.1311
f-p1	SLU-97	Max M3	-22233.677	-357.406	1132.606	11.5908	14359.8652	-4468.702
f-p1	SLU-97	Min M3	-22397.824	-388.606	1133.062	15.4408	13891.8274	-4864.9462
f-p1	SLU-98	Max P	-20539.445	-367.364	1135.239	10.468	16379.2723	-4595.1707
f-p1	SLU-98	Min P	-23517.454	-371.014	1128.026	9.9861	20123.5221	-4641.5299
f-p1	SLU-98	Max M2	-22880.975	-371.111	1130.284	8.481	21681.0537	-4642.7572
f-p1	SLU-98	Min M2	-21331.79	-372.418	1131.28	12.3919	14920.2273	-4659.3638
f-p1	SLU-98	Max M3	-22316.397	-353.22	1129.768	11.4225	18346.9349	-4415.5486
f-p1	SLU-98	Min M3	-22449.657	-389.583	1129.261	7.42	18448.3916	-4877.3573
f-p1	SLU-99	Max P	-20485.437	-296.793	-1148.456	-9.7586	-16706.8283	-3728.0271
f-p1	SLU-99	Min P	-23458.66	-303.693	-1140.887	-9.3716	-20721.4004	-3815.6597
f-p1	SLU-99	Max M2	-21263.548	-300.015	-1144.313	-11.7748	-15324.1442	-3768.9418
f-p1	SLU-99	Min M2	-22799.631	-302.833	-1142.783	-8.0488	-22079.2674	-3804.7324
f-p1	SLU-99	Max M3	-22223.925	-286.815	-1142.226	-10.9152	-18595.2433	-3601.3033
f-p1	SLU-99	Min M3	-22388.072	-318.015	-1141.77	-7.0652	-19063.281	-3997.5475
f-p1	SLU-100	Max P	-20529.693	-296.773	-1139.593	-12.038	-16575.8362	-3727.772
f-p1	SLU-100	Min P	-23507.701	-300.423	-1146.806	-12.5199	-12831.5864	-3774.1312
f-p1	SLU-100	Max M2	-22871.223	-300.52	-1144.548	-14.025	-11274.0548	-3775.3585
f-p1	SLU-100	Min M2	-21322.038	-301.828	-1143.552	-10.1141	-18034.8812	-3791.9651
f-p1	SLU-100	Max M3	-22306.644	-282.63	-1145.064	-11.0835	-14608.1735	-3548.1499
f-p1	SLU-100	Min M3	-22439.905	-318.992	-1145.571	-15.086	-14506.7169	-4009.9586
f-p1	SLU-101	Max P	-20140.625	-364.866	1126.395	12.6544	16399.4522	-4563.4423

f-p1	SLU-101	Min P	-23113.848	-371.766	1133.964	13.0413	12384.8802	-4651.0749
f-p1	SLU-101	Max M2	-20918.736	-368.087	1130.538	10.6381	17782.1363	-4604.357
f-p1	SLU-101	Min M2	-22454.819	-370.905	1132.068	14.3641	11027.0132	-4640.1476
f-p1	SLU-101	Max M3	-21879.113	-354.887	1132.625	11.4977	14511.0373	-4436.7186
f-p1	SLU-101	Min M3	-22043.26	-386.088	1133.081	15.3478	14042.9995	-4832.9628
f-p1	SLU-102	Max P	-20184.881	-364.845	1135.258	10.3749	16530.4444	-4563.1872
f-p1	SLU-102	Min P	-23162.889	-368.496	1128.045	9.893	20274.6942	-4609.5464
f-p1	SLU-102	Max M2	-22526.411	-368.593	1130.303	8.3879	21832.2258	-4610.7738
f-p1	SLU-102	Min M2	-20977.226	-369.9	1131.299	12.2988	15071.3994	-4627.3803
f-p1	SLU-102	Max M3	-21961.832	-350.702	1129.787	11.3294	18498.107	-4383.5652
f-p1	SLU-102	Min M3	-22095.093	-387.065	1129.28	7.3269	18599.5637	-4845.3739
f-p1	SLU-103	Max P	-20130.873	-294.275	-1148.437	-9.8516	-16555.6562	-3696.0436
f-p1	SLU-103	Min P	-23104.095	-301.175	-1140.868	-9.4647	-20570.2283	-3783.6762
f-p1	SLU-103	Max M2	-20908.984	-297.496	-1144.295	-11.8679	-15172.9722	-3736.9583
f-p1	SLU-103	Min M2	-22445.067	-300.314	-1142.764	-8.1418	-21928.0953	-3772.7489
f-p1	SLU-103	Max M3	-21869.36	-284.296	-1142.207	-11.0083	-18444.0712	-3569.3199
f-p1	SLU-103	Min M3	-22033.507	-315.497	-1141.751	-7.1582	-18912.109	-3965.5641
f-p1	SLU-104	Max P	-20175.128	-294.254	-1139.574	-12.1311	-16424.6641	-3695.7885
f-p1	SLU-104	Min P	-23153.137	-297.905	-1146.787	-12.6129	-12680.4143	-3742.1477
f-p1	SLU-104	Max M2	-22516.658	-298.002	-1144.529	-14.1181	-11122.8827	-3743.3751
f-p1	SLU-104	Min M2	-20967.474	-299.309	-1143.534	-10.2072	-17883.7091	-3759.9816
f-p1	SLU-104	Max M3	-21952.08	-280.111	-1145.045	-11.1765	-14457.0015	-3516.1665
f-p1	SLU-104	Min M3	-22085.34	-316.474	-1145.553	-15.1791	-14355.5448	-3977.9752
f-p1	SLU-105	Max P	-20716.346	-364.655	1126.471	12.7135	16274.5976	-4560.7694
f-p1	SLU-105	Min P	-23689.569	-371.555	1134.04	13.1004	12260.0255	-4648.402
f-p1	SLU-105	Max M2	-21494.457	-367.877	1130.613	10.6972	17657.2817	-4601.6841
f-p1	SLU-105	Min M2	-23030.54	-370.695	1132.144	14.4233	10902.1585	-4637.4747
f-p1	SLU-105	Max M3	-22454.834	-354.677	1132.701	11.5569	14386.1826	-4434.0457
f-p1	SLU-105	Min M3	-22618.981	-385.877	1133.157	15.4069	13918.1449	-4830.2899
f-p1	SLU-106	Max P	-20760.602	-364.635	1135.333	10.4341	16405.5897	-4560.5143
f-p1	SLU-106	Min P	-23738.61	-368.286	1128.121	9.9522	20149.8395	-4606.8736
f-p1	SLU-106	Max M2	-23102.132	-368.382	1130.379	8.447	21707.3712	-4608.1009
f-p1	SLU-106	Min M2	-21552.947	-369.69	1131.374	12.358	14946.5447	-4624.7074
f-p1	SLU-106	Max M3	-22537.553	-350.492	1129.863	11.3886	18373.2524	-4380.8923
f-p1	SLU-106	Min M3	-22670.814	-386.855	1129.355	7.3861	18474.709	-4842.701
f-p1	SLU-107	Max P	-20706.594	-294.064	-1148.361	-9.7925	-16680.5109	-3693.3707
f-p1	SLU-107	Min P	-23679.817	-300.965	-1140.792	-9.4056	-20695.083	-3781.0033
f-p1	SLU-107	Max M2	-21484.705	-297.286	-1144.219	-11.8087	-15297.8268	-3734.2854
f-p1	SLU-107	Min M2	-23020.788	-300.104	-1142.688	-8.0827	-22052.95	-3770.076
f-p1	SLU-107	Max M3	-22445.082	-284.086	-1142.131	-10.9491	-18568.9259	-3566.647
f-p1	SLU-107	Min M3	-22609.229	-315.286	-1141.675	-7.0991	-19036.9636	-3962.8912
f-p1	SLU-108	Max P	-20750.85	-294.044	-1139.499	-12.0719	-16549.5187	-3693.1156
f-p1	SLU-108	Min P	-23728.858	-297.695	-1146.711	-12.5538	-12805.2689	-3739.4749
f-p1	SLU-108	Max M2	-23092.38	-297.791	-1144.453	-14.0589	-11247.7373	-3740.7022
f-p1	SLU-108	Min M2	-21543.195	-299.099	-1143.458	-10.148	-18008.5638	-3757.3087
f-p1	SLU-108	Max M3	-22527.801	-279.901	-1144.969	-11.1174	-14581.8561	-3513.4936
f-p1	SLU-108	Min M3	-22661.062	-316.264	-1145.477	-15.1199	-14480.3994	-3975.3023
f-p1	SLU-109	Max P	-20361.782	-362.137	1126.49	12.6205	16425.7697	-4528.786
f-p1	SLU-109	Min P	-23335.004	-369.037	1134.059	13.0074	12411.1976	-4616.4186
f-p1	SLU-109	Max M2	-21139.893	-365.358	1130.632	10.6042	17808.4537	-4569.7006
f-p1	SLU-109	Min M2	-22675.976	-368.177	1132.163	14.3302	11053.3306	-4605.4913

f-p1	SLU-109	Max M3	-22100.269	-352.159	1132.72	11.4638	14537.3547	-4402.0622
f-p1	SLU-109	Min M3	-22264.416	-383.359	1133.176	15.3139	14069.3169	-4798.3064
f-p1	SLU-110	Max P	-20406.037	-362.117	1135.352	10.341	16556.7618	-4528.5309
f-p1	SLU-110	Min P	-23384.046	-365.767	1128.139	9.8591	20301.0116	-4574.8901
f-p1	SLU-110	Max M2	-22747.567	-365.864	1130.398	8.354	21858.5432	-4576.1174
f-p1	SLU-110	Min M2	-21198.383	-367.171	1131.393	12.2649	15097.7168	-4592.724
f-p1	SLU-110	Max M3	-22182.989	-347.973	1129.882	11.2955	18524.4244	-4348.9088
f-p1	SLU-110	Min M3	-22316.249	-384.336	1129.374	7.293	18625.8811	-4810.7175
f-p1	SLU-111	Max P	-20352.03	-291.546	-1148.342	-9.8855	-16529.3388	-3661.3873
f-p1	SLU-111	Min P	-23325.252	-298.446	-1140.773	-9.4986	-20543.9109	-3749.0199
f-p1	SLU-111	Max M2	-21130.141	-294.767	-1144.2	-11.9018	-15146.6547	-3702.302
f-p1	SLU-111	Min M2	-22666.224	-297.586	-1142.669	-8.1757	-21901.7779	-3738.0926
f-p1	SLU-111	Max M3	-22090.517	-281.568	-1142.112	-11.0422	-18417.7538	-3534.6635
f-p1	SLU-111	Min M3	-22254.664	-312.768	-1141.656	-7.1921	-18885.7915	-3930.9077
f-p1	SLU-112	Max P	-20396.285	-291.526	-1139.48	-12.165	-16398.3467	-3661.1322
f-p1	SLU-112	Min P	-23374.294	-295.176	-1146.693	-12.6468	-12654.0969	-3707.4914
f-p1	SLU-112	Max M2	-22737.815	-295.273	-1144.434	-14.152	-11096.5653	-3708.7187
f-p1	SLU-112	Min M2	-21188.63	-296.58	-1143.439	-10.2411	-17857.3917	-3725.3253
f-p1	SLU-112	Max M3	-22173.237	-277.382	-1144.95	-11.2104	-14430.6841	-3481.5101
f-p1	SLU-112	Min M3	-22306.497	-313.745	-1145.458	-15.213	-14329.2274	-3943.3188
f-p1	SLU-113	Max P	-20419.25	-576.83	667.186	8.356	9630.7	-7224.0248
f-p1	SLU-113	Min P	-23392.473	-583.731	674.755	8.7429	5616.128	-7311.6574
f-p1	SLU-113	Max M2	-21197.361	-580.052	671.328	6.3398	11013.3841	-7264.9395
f-p1	SLU-113	Min M2	-22733.444	-582.87	672.859	10.0658	4258.261	-7300.7301
f-p1	SLU-113	Max M3	-22157.738	-566.852	673.416	7.1994	7742.2851	-7097.3011
f-p1	SLU-113	Min M3	-22321.885	-598.052	673.872	11.0494	7274.2473	-7493.5453
f-p1	SLU-114	Max P	-20463.506	-576.81	676.048	6.0766	9761.6922	-7223.7698
f-p1	SLU-114	Min P	-23441.514	-580.461	668.835	5.5947	13505.942	-7270.129
f-p1	SLU-114	Max M2	-22805.036	-580.557	671.094	4.0896	15063.4736	-7271.3563
f-p1	SLU-114	Min M2	-21255.851	-581.865	672.089	8.0005	8302.6472	-7287.9628
f-p1	SLU-114	Max M3	-22240.457	-562.667	670.578	7.0311	11729.3548	-7044.1477
f-p1	SLU-114	Min M3	-22373.718	-599.03	670.07	3.0286	11830.8115	-7505.9564
f-p1	SLU-115	Max P	-20413.399	-534.476	-697.713	-5.1476	-10142.3651	-6703.5856
f-p1	SLU-115	Min P	-23386.621	-541.376	-690.145	-4.7606	-14156.9371	-6791.2182
f-p1	SLU-115	Max M2	-21191.51	-537.697	-693.571	-7.1638	-8759.681	-6744.5003
f-p1	SLU-115	Min M2	-22727.593	-540.516	-692.041	-3.4378	-15514.8041	-6780.2909
f-p1	SLU-115	Max M3	-22151.886	-524.498	-691.484	-6.3042	-12030.78	-6576.8619
f-p1	SLU-115	Min M3	-22316.033	-555.698	-691.028	-2.4542	-12498.8178	-6973.1061
f-p1	SLU-116	Max P	-20457.654	-534.456	-688.851	-7.427	-10011.3729	-6703.3305
f-p1	SLU-116	Min P	-23435.663	-538.106	-696.064	-7.9089	-6267.1231	-6749.6897
f-p1	SLU-116	Max M2	-22799.184	-538.203	-693.805	-9.414	-4709.5915	-6750.9171
f-p1	SLU-116	Min M2	-21250	-539.51	-692.81	-5.5031	-11470.4179	-6767.5236
f-p1	SLU-116	Max M3	-22234.606	-520.312	-694.322	-6.4725	-8043.7103	-6523.7085
f-p1	SLU-116	Min M3	-22367.866	-556.675	-694.829	-10.475	-7942.2536	-6985.5172
f-p1	SLU-117	Max P	-20064.686	-574.312	667.205	8.263	9781.8721	-7192.0414
f-p1	SLU-117	Min P	-23037.908	-581.212	674.774	8.6499	5767.3	-7279.674
f-p1	SLU-117	Max M2	-20842.797	-577.533	671.347	6.2467	11164.5562	-7232.9561
f-p1	SLU-117	Min M2	-22378.88	-580.352	672.878	9.9727	4409.433	-7268.7467
f-p1	SLU-117	Max M3	-21803.173	-564.334	673.434	7.1063	7893.4571	-7065.3176
f-p1	SLU-117	Min M3	-21967.32	-595.534	673.891	10.9564	7425.4194	-7461.5618
f-p1	SLU-118	Max P	-20108.941	-574.292	676.067	5.9835	9912.8642	-7191.7863

f-p1	SLU-118	Min P	-23086.95	-577.942	668.854	5.5016	13657.114	-7238.1455
f-p1	SLU-118	Max M2	-22450.471	-578.039	671.113	3.9965	15214.6456	-7239.3728
f-p1	SLU-118	Min M2	-20901.286	-579.346	672.108	7.9074	8453.8192	-7255.9794
f-p1	SLU-118	Max M3	-21885.893	-560.148	670.597	6.938	11880.5269	-7012.1642
f-p1	SLU-118	Min M3	-22019.153	-596.511	670.089	2.9355	11981.9835	-7473.9729
f-p1	SLU-119	Max P	-20058.834	-531.957	-697.694	-5.2406	-9991.193	-6671.6022
f-p1	SLU-119	Min P	-23032.057	-538.858	-690.126	-4.8537	-14005.7651	-6759.2348
f-p1	SLU-119	Max M2	-20836.945	-535.179	-693.552	-7.2569	-8608.5089	-6712.5168
f-p1	SLU-119	Min M2	-22373.028	-537.997	-692.022	-3.5308	-15363.6321	-6748.3075
f-p1	SLU-119	Max M3	-21797.322	-521.979	-691.465	-6.3973	-11879.608	-6544.8784
f-p1	SLU-119	Min M3	-21961.469	-553.179	-691.009	-2.5472	-12347.6457	-6941.1226
f-p1	SLU-120	Max P	-20103.09	-531.937	-688.832	-7.5201	-9860.2009	-6671.3471
f-p1	SLU-120	Min P	-23081.098	-535.588	-696.045	-8.0019	-6115.9511	-6717.7063
f-p1	SLU-120	Max M2	-22444.62	-535.684	-693.786	-9.5071	-4558.4194	-6718.9336
f-p1	SLU-120	Min M2	-20895.435	-536.992	-692.791	-5.5962	-11319.2459	-6735.5402
f-p1	SLU-120	Max M3	-21880.041	-517.794	-694.303	-6.5655	-7892.5382	-6491.725
f-p1	SLU-120	Min M3	-22013.302	-554.157	-694.81	-10.5681	-7791.0816	-6953.5337
f-p1	SLU-121	Max P	-20787.845	-572.282	667.344	8.2995	9674.5624	-7166.2643
f-p1	SLU-121	Min P	-23761.067	-579.183	674.913	8.6864	5659.9903	-7253.8969
f-p1	SLU-121	Max M2	-21565.956	-575.504	671.486	6.2832	11057.2465	-7207.1789
f-p1	SLU-121	Min M2	-23102.039	-578.322	673.017	10.0093	4302.1233	-7242.9696
f-p1	SLU-121	Max M3	-22526.332	-562.304	673.573	7.1429	7786.1474	-7039.5405
f-p1	SLU-121	Min M3	-22690.479	-593.504	674.03	10.9929	7318.1097	-7435.7847
f-p1	SLU-122	Max P	-20832.1	-572.262	676.206	6.0201	9805.5546	-7166.0092
f-p1	SLU-122	Min P	-23810.109	-575.913	668.993	5.5382	13549.8044	-7212.3684
f-p1	SLU-122	Max M2	-23173.63	-576.009	671.252	4.0331	15107.336	-7213.5957
f-p1	SLU-122	Min M2	-21624.446	-577.317	672.247	7.944	8346.5095	-7230.2023
f-p1	SLU-122	Max M3	-22609.052	-558.119	670.736	6.9746	11773.2172	-6986.3871
f-p1	SLU-122	Min M3	-22742.312	-594.482	670.228	2.9721	11874.6739	-7448.1958
f-p1	SLU-123	Max P	-20781.993	-529.928	-697.555	-5.2041	-10098.5027	-6645.825
f-p1	SLU-123	Min P	-23755.216	-536.828	-689.987	-4.8172	-14113.0748	-6733.4576
f-p1	SLU-123	Max M2	-21560.104	-533.149	-693.413	-7.2203	-8715.8186	-6686.7397
f-p1	SLU-123	Min M2	-23096.187	-535.968	-691.883	-3.4943	-15470.9417	-6722.5303
f-p1	SLU-123	Max M3	-22520.481	-519.949	-691.326	-6.3607	-11986.9177	-6519.1013
f-p1	SLU-123	Min M3	-22684.628	-551.15	-690.87	-2.5107	-12454.9554	-6915.3455
f-p1	SLU-124	Max P	-20826.249	-529.907	-688.693	-7.4835	-9967.5105	-6645.57
f-p1	SLU-124	Min P	-23804.257	-533.558	-695.906	-7.9654	-6223.2607	-6691.9292
f-p1	SLU-124	Max M2	-23167.779	-533.655	-693.647	-9.4705	-4665.7291	-6693.1565
f-p1	SLU-124	Min M2	-21618.594	-534.962	-692.652	-5.5596	-11426.5555	-6709.7631
f-p1	SLU-124	Max M3	-22603.201	-515.764	-694.164	-6.529	-7999.8479	-6465.9479
f-p1	SLU-124	Min M3	-22736.461	-552.127	-694.671	-10.5315	-7898.3912	-6927.7566
f-p1	SLU-125	Max P	-20433.28	-569.764	667.363	8.2065	9825.7345	-7134.2808
f-p1	SLU-125	Min P	-23406.503	-576.664	674.932	8.5934	5811.1624	-7221.9134
f-p1	SLU-125	Max M2	-21211.391	-572.985	671.505	6.1902	11208.4186	-7175.1955
f-p1	SLU-125	Min M2	-22747.474	-575.804	673.035	9.9162	4453.2954	-7210.9861
f-p1	SLU-125	Max M3	-22171.768	-559.786	673.592	7.0498	7937.3195	-7007.5571
f-p1	SLU-125	Min M3	-22335.915	-590.986	674.049	10.8999	7469.2818	-7403.8013
f-p1	SLU-126	Max P	-20477.536	-569.744	676.225	5.927	9956.7266	-7134.0257
f-p1	SLU-126	Min P	-23455.544	-573.394	669.012	5.4451	13700.9764	-7180.3849
f-p1	SLU-126	Max M2	-22819.066	-573.491	671.271	3.94	15258.508	-7181.6122
f-p1	SLU-126	Min M2	-21269.881	-574.798	672.266	7.8509	8497.6816	-7198.2188

f-p1	SLU-126	Max M3	-22254.487	-555.6	670.754	6.8815	11924.3892	-6954.4036
f-p1	SLU-126	Min M3	-22387.748	-591.963	670.247	2.879	12025.8459	-7416.2124
f-p1	SLU-127	Max P	-20427.429	-527.409	-697.536	-5.2971	-9947.3306	-6613.8416
f-p1	SLU-127	Min P	-23400.652	-534.31	-689.968	-4.9102	-13961.9027	-6701.4742
f-p1	SLU-127	Max M2	-21205.54	-530.631	-693.394	-7.3134	-8564.6465	-6654.7563
f-p1	SLU-127	Min M2	-22741.623	-533.449	-691.864	-3.5874	-15319.7697	-6690.5469
f-p1	SLU-127	Max M3	-22165.917	-517.431	-691.307	-6.4538	-11835.7456	-6487.1178
f-p1	SLU-127	Min M3	-22330.064	-548.631	-690.851	-2.6037	-12303.7833	-6883.362
f-p1	SLU-128	Max P	-20471.685	-527.389	-688.674	-7.5766	-9816.3385	-6613.5865
f-p1	SLU-128	Min P	-23449.693	-531.04	-695.887	-8.0585	-6072.0887	-6659.9457
f-p1	SLU-128	Max M2	-22813.215	-531.136	-693.628	-9.5636	-4514.5571	-6661.173
f-p1	SLU-128	Min M2	-21264.03	-532.444	-692.633	-5.6527	-11275.3835	-6677.7796
f-p1	SLU-128	Max M3	-22248.636	-513.246	-694.145	-6.622	-7848.6758	-6433.9644
f-p1	SLU-128	Min M3	-22381.897	-549.609	-694.652	-10.6246	-7747.2192	-6895.7732
f-p1	SLU-129	Max P	-20256.04	325.048	680.057	8.7621	9828.1938	4081.0637
f-p1	SLU-129	Min P	-26069.304	311.365	694.658	10.3761	2227.6015	3907.3012
f-p1	SLU-129	Max M2	-21825.733	319.44	688.116	4.5446	12747.2703	4009.8507
f-p1	SLU-129	Min M2	-24658.385	313.824	689.593	13.6692	-658.3855	3938.5332
f-p1	SLU-129	Max M3	-23382.451	344.223	690.065	7.0017	6364.0366	4324.5912
f-p1	SLU-129	Min M3	-23833.426	286.398	691.778	13.6697	5384.6979	3590.2217
f-p1	SLU-130	Max P	-20335.283	325.134	696.512	4.7419	10072.1332	4082.1615
f-p1	SLU-130	Min P	-26185.736	317.093	683.021	2.738	17257.6525	3980.0462
f-p1	SLU-130	Max M2	-24834.692	319.299	688.365	-0.7144	20442.9387	4008.064
f-p1	SLU-130	Min M2	-21894.15	316.06	688.9	8.7526	7018.1625	3966.9165
f-p1	SLU-130	Max M3	-23548.34	351.556	687.907	6.1267	13751.7292	4417.7264
f-p1	SLU-130	Min M3	-23918.22	284.77	685.977	-0.7956	13968.0992	3569.5408
f-p1	SLU-131	Max P	-20250.189	367.402	-684.842	-4.7415	-9944.8713	4601.5029
f-p1	SLU-131	Min P	-26063.453	353.72	-670.241	-3.1274	-17545.4636	4427.7404
f-p1	SLU-131	Max M2	-21819.881	361.795	-676.783	-8.959	-7025.7948	4530.2899
f-p1	SLU-131	Min M2	-24652.534	356.179	-675.306	0.1656	-20431.4506	4458.9724
f-p1	SLU-131	Max M3	-23376.6	386.577	-674.834	-6.5019	-13409.0285	4845.0304
f-p1	SLU-131	Min M3	-23827.574	328.753	-673.121	0.1661	-14388.3672	4110.6609
f-p1	SLU-132	Max P	-20329.432	367.489	-668.388	-8.7617	-9700.9319	4602.6008
f-p1	SLU-132	Min P	-26179.884	359.448	-681.879	-10.7656	-2515.4126	4500.4854
f-p1	SLU-132	Max M2	-24828.84	361.654	-676.534	-14.218	669.8736	4528.5032
f-p1	SLU-132	Min M2	-21888.298	358.414	-675.999	-4.751	-12754.9026	4487.3557
f-p1	SLU-132	Max M3	-23542.488	393.911	-676.992	-7.3769	-6021.3359	4938.1656
f-p1	SLU-132	Min M3	-23912.368	327.125	-678.922	-14.2992	-5804.9659	4089.98
f-p1	SLU-133	Max P	-19901.476	327.566	680.076	8.6691	9979.3659	4113.0472
f-p1	SLU-133	Min P	-25714.74	313.884	694.677	10.2831	2378.7736	3939.2847
f-p1	SLU-133	Max M2	-21471.168	321.959	688.135	4.4515	12898.4423	4041.8342
f-p1	SLU-133	Min M2	-24303.821	316.343	689.612	13.5761	-507.2135	3970.5166
f-p1	SLU-133	Max M3	-23027.887	346.741	690.084	6.9087	6515.2087	4356.5747
f-p1	SLU-133	Min M3	-23478.861	288.917	691.797	13.5766	5535.8699	3622.2051
f-p1	SLU-134	Max P	-19980.719	327.652	696.531	4.6488	10223.3053	4114.145
f-p1	SLU-134	Min P	-25831.171	319.611	683.039	2.6449	17408.8245	4012.0296
f-p1	SLU-134	Max M2	-24480.127	321.818	688.384	-0.8074	20594.1107	4040.0475
f-p1	SLU-134	Min M2	-21539.585	318.578	688.919	8.6595	7169.3345	3998.8999
f-p1	SLU-134	Max M3	-23193.775	354.075	687.926	6.0336	13902.9013	4449.7099
f-p1	SLU-134	Min M3	-23563.655	287.288	685.996	-0.8887	14119.2712	3601.5242
f-p1	SLU-135	Max P	-19895.624	369.921	-684.824	-4.8345	-9793.6992	4633.4864

f-p1	SLU-135	Min P	-25708.889	356.238	-670.223	-3.2205	-17394.2915	4459.7239
f-p1	SLU-135	Max M2	-21465.317	364.313	-676.764	-9.0521	-6874.6228	4562.2734
f-p1	SLU-135	Min M2	-24297.97	358.697	-675.287	0.0725	-20280.2786	4490.9559
f-p1	SLU-135	Max M3	-23022.035	389.096	-674.815	-6.5949	-13257.8564	4877.0139
f-p1	SLU-135	Min M3	-23473.01	331.271	-673.102	0.0731	-14237.1952	4142.6443
f-p1	SLU-136	Max P	-19974.868	370.007	-668.369	-8.8548	-9549.7598	4634.5842
f-p1	SLU-136	Min P	-25825.32	361.966	-681.86	-10.8587	-2364.2406	4532.4688
f-p1	SLU-136	Max M2	-24474.276	364.172	-676.515	-14.311	821.0456	4560.4867
f-p1	SLU-136	Min M2	-21533.734	360.933	-675.98	-4.844	-12603.7305	4519.3391
f-p1	SLU-136	Max M3	-23187.924	396.429	-676.973	-7.47	-5870.1638	4970.1491
f-p1	SLU-136	Min M3	-23557.804	329.643	-678.903	-14.3923	-5653.7939	4121.9635
f-p1	SLU-137	Max P	-20477.197	327.776	680.151	8.7282	9854.5113	4115.7201
f-p1	SLU-137	Min P	-26290.461	314.094	694.753	10.3422	2253.9189	3941.9576
f-p1	SLU-137	Max M2	-22046.889	322.169	688.211	4.5107	12773.5877	4044.5071
f-p1	SLU-137	Min M2	-24879.542	316.553	689.688	13.6353	-632.0681	3973.1895
f-p1	SLU-137	Max M3	-23603.608	346.952	690.16	6.9678	6390.354	4359.2475
f-p1	SLU-137	Min M3	-24054.583	289.127	691.873	13.6358	5411.0153	3624.878
f-p1	SLU-138	Max P	-20556.44	327.863	696.606	4.708	10098.4506	4116.8179
f-p1	SLU-138	Min P	-26406.892	319.822	683.115	2.7041	17283.9699	4014.7025
f-p1	SLU-138	Max M2	-25055.848	322.028	688.46	-0.7483	20469.2561	4042.7204
f-p1	SLU-138	Min M2	-22115.307	318.788	688.995	8.7187	7044.4799	4001.5728
f-p1	SLU-138	Max M3	-23769.496	354.285	688.002	6.0928	13778.0467	4452.3827
f-p1	SLU-138	Min M3	-24139.376	287.499	686.072	-0.8295	13994.4166	3604.1971
f-p1	SLU-139	Max P	-20471.345	370.131	-684.748	-4.7754	-9918.5538	4636.1593
f-p1	SLU-139	Min P	-26284.61	356.449	-670.147	-3.1613	-17519.1462	4462.3968
f-p1	SLU-139	Max M2	-22041.038	364.524	-676.688	-8.9929	-6999.4774	4564.9463
f-p1	SLU-139	Min M2	-24873.691	358.908	-675.211	0.1317	-20405.1332	4493.6288
f-p1	SLU-139	Max M3	-23597.757	389.306	-674.739	-6.5358	-13382.711	4879.6868
f-p1	SLU-139	Min M3	-24048.731	331.482	-673.027	0.1322	-14362.0498	4145.3172
f-p1	SLU-140	Max P	-20550.589	370.217	-668.293	-8.7956	-9674.6144	4637.2571
f-p1	SLU-140	Min P	-26401.041	362.176	-681.784	-10.7995	-2489.0952	4535.1417
f-p1	SLU-140	Max M2	-25049.997	364.383	-676.44	-14.2519	696.191	4563.1596
f-p1	SLU-140	Min M2	-22109.455	361.143	-675.904	-4.7849	-12728.5852	4522.012
f-p1	SLU-140	Max M3	-23763.645	396.64	-676.897	-7.4108	-5995.0184	4972.822
f-p1	SLU-140	Min M3	-24133.525	329.853	-678.827	-14.3331	-5778.6485	4124.6363
f-p1	SLU-141	Max P	-20122.632	330.295	680.17	8.6352	10005.6833	4147.7035
f-p1	SLU-141	Min P	-25935.897	316.612	694.771	10.2492	2405.091	3973.941
f-p1	SLU-141	Max M2	-21692.325	324.687	688.23	4.4176	12924.7598	4076.4905
f-p1	SLU-141	Min M2	-24524.978	319.072	689.707	13.5422	-480.896	4005.173
f-p1	SLU-141	Max M3	-23249.043	349.47	690.179	6.8748	6541.5261	4391.231
f-p1	SLU-141	Min M3	-23700.018	291.646	691.892	13.5427	5562.1874	3656.8615
f-p1	SLU-142	Max P	-20201.876	330.381	696.625	4.6149	10249.6227	4148.8014
f-p1	SLU-142	Min P	-26052.328	322.34	683.134	2.611	17435.1419	4046.686
f-p1	SLU-142	Max M2	-24701.284	324.547	688.479	-0.8413	20620.4282	4074.7038
f-p1	SLU-142	Min M2	-21760.742	321.307	689.014	8.6256	7195.652	4033.5563
f-p1	SLU-142	Max M3	-23414.932	356.804	688.021	5.9997	13929.2187	4484.3662
f-p1	SLU-142	Min M3	-23784.812	290.017	686.091	-0.9226	14145.5887	3636.1806
f-p1	SLU-143	Max P	-20116.781	372.649	-684.729	-4.8684	-9767.3818	4668.1427
f-p1	SLU-143	Min P	-25930.045	358.967	-670.128	-3.2544	-17367.9741	4494.3803
f-p1	SLU-143	Max M2	-21686.474	367.042	-676.669	-9.086	-6848.3053	4596.9297
f-p1	SLU-143	Min M2	-24519.126	361.426	-675.193	0.0386	-20253.9611	4525.6122

f-p1	SLU-143	Max M3	-23243.192	391.825	-674.72	-6.6288	-13231.539	4911.6702
f-p1	SLU-143	Min M3	-23694.167	334	-673.008	0.0392	-14210.8777	4177.3007
f-p1	SLU-144	Max P	-20196.024	372.736	-668.274	-8.8887	-9523.4424	4669.2406
f-p1	SLU-144	Min P	-26046.477	364.695	-681.765	-10.8926	-2337.9231	4567.1252
f-p1	SLU-144	Max M2	-24695.433	366.901	-676.421	-14.3449	847.3631	4595.143
f-p1	SLU-144	Min M2	-21754.891	363.661	-675.885	-4.878	-12577.4131	4553.9955
f-p1	SLU-144	Max M3	-23409.081	399.158	-676.878	-7.5039	-5843.8464	5004.8054
f-p1	SLU-144	Min M3	-23778.961	332.372	-678.808	-14.4262	-5627.4764	4156.6198
f-p1	SLU-145	Max P	-15003.015	324.782	680.053	8.7799	9829.2106	4077.6864
f-p1	SLU-145	Min P	-20816.28	311.099	694.654	10.3939	2228.6183	3903.924
f-p1	SLU-145	Max M2	-16572.708	319.175	688.113	4.5623	12748.287	4006.4735
f-p1	SLU-145	Min M2	-19405.361	313.559	689.59	13.6869	-657.3688	3935.1559
f-p1	SLU-145	Max M3	-18129.426	343.957	690.062	7.0194	6365.0534	4321.2139
f-p1	SLU-145	Min M3	-18580.401	286.133	691.774	13.6874	5385.7146	3586.8444
f-p1	SLU-146	Max P	-15082.259	324.868	696.508	4.7596	10073.15	4078.7843
f-p1	SLU-146	Min P	-20932.711	316.827	683.017	2.7557	17258.6692	3976.6689
f-p1	SLU-146	Max M2	-19581.667	319.034	688.361	-0.6966	20443.9554	4004.6868
f-p1	SLU-146	Min M2	-16641.125	315.794	688.897	8.7703	7019.1793	3963.5392
f-p1	SLU-146	Max M3	-18295.315	351.291	687.904	6.1444	13752.746	4414.3491
f-p1	SLU-146	Min M3	-18665.195	284.504	685.974	-0.7779	13969.1159	3566.1635
f-p1	SLU-147	Max P	-14997.164	367.137	-684.846	-4.7237	-9943.8545	4598.1257
f-p1	SLU-147	Min P	-20810.428	353.454	-670.245	-3.1097	-17544.4468	4424.3632
f-p1	SLU-147	Max M2	-16566.856	361.529	-676.787	-8.9413	-7024.7781	4526.9127
f-p1	SLU-147	Min M2	-19399.509	355.913	-675.31	0.1833	-20430.4338	4455.5952
f-p1	SLU-147	Max M3	-18123.575	386.312	-674.837	-6.4841	-13408.0117	4841.6532
f-p1	SLU-147	Min M3	-18574.55	328.487	-673.125	0.1839	-14387.3504	4107.2836
f-p1	SLU-148	Max P	-15076.407	367.223	-668.391	-8.744	-9699.9151	4599.2235
f-p1	SLU-148	Min P	-20926.86	359.182	-681.882	-10.7479	-2514.3959	4497.1081
f-p1	SLU-148	Max M2	-19575.815	361.388	-676.538	-14.2002	670.8903	4525.126
f-p1	SLU-148	Min M2	-16635.274	358.148	-676.003	-4.7333	-12753.8858	4483.9784
f-p1	SLU-148	Max M3	-18289.464	393.645	-676.995	-7.3592	-6020.3191	4934.7884
f-p1	SLU-148	Min M3	-18659.344	326.859	-678.926	-14.2815	-5803.9492	4086.6027
f-p1	SLU-149	Max P	-14648.451	327.3	680.072	8.6868	9980.3827	4109.6699
f-p1	SLU-149	Min P	-20461.715	313.618	694.673	10.3008	2379.7903	3935.9074
f-p1	SLU-149	Max M2	-16218.143	321.693	688.132	4.4693	12899.4591	4038.4569
f-p1	SLU-149	Min M2	-19050.796	316.077	689.608	13.5938	-506.1967	3967.1394
f-p1	SLU-149	Max M3	-17774.862	346.476	690.081	6.9264	6516.2254	4353.1974
f-p1	SLU-149	Min M3	-18225.837	288.651	691.793	13.5944	5536.8867	3618.8279
f-p1	SLU-150	Max P	-14727.694	327.387	696.527	4.6665	10224.322	4110.7678
f-p1	SLU-150	Min P	-20578.146	319.346	683.036	2.6627	17409.8413	4008.6524
f-p1	SLU-150	Max M2	-19227.102	321.552	688.38	-0.7897	20595.1275	4036.6702
f-p1	SLU-150	Min M2	-16286.561	318.312	688.915	8.6773	7170.3513	3995.5227
f-p1	SLU-150	Max M3	-17940.751	353.809	687.923	6.0513	13903.9181	4446.3326
f-p1	SLU-150	Min M3	-18310.631	287.023	685.993	-0.8709	14120.288	3598.147
f-p1	SLU-151	Max P	-14642.599	369.655	-684.827	-4.8168	-9792.6824	4630.1091
f-p1	SLU-151	Min P	-20455.864	355.972	-670.226	-3.2028	-17393.2748	4456.3466
f-p1	SLU-151	Max M2	-16212.292	364.048	-676.768	-9.0343	-6873.606	4558.8961
f-p1	SLU-151	Min M2	-19044.945	358.432	-675.291	0.0902	-20279.2618	4487.5786
f-p1	SLU-151	Max M3	-17769.011	388.83	-674.818	-6.5772	-13256.8396	4873.6366
f-p1	SLU-151	Min M3	-18219.985	331.006	-673.106	0.0908	-14236.1784	4139.2671
f-p1	SLU-152	Max P	-14721.843	369.741	-668.372	-8.837	-9548.743	4631.207

f-p1	SLU-152	Min P	-20572.295	361.7	-681.863	-10.8409	-2363.2238	4529.0916
f-p1	SLU-152	Max M2	-19221.251	363.907	-676.519	-14.2933	822.0624	4557.1094
f-p1	SLU-152	Min M2	-16280.709	360.667	-675.984	-4.8263	-12602.7138	4515.9619
f-p1	SLU-152	Max M3	-17934.899	396.164	-676.976	-7.4522	-5869.147	4966.7718
f-p1	SLU-152	Min M3	-18304.779	329.377	-678.907	-14.3745	-5652.7771	4118.5862
f-p1	SLU-153	Max P	-15224.172	327.511	680.148	8.746	9855.528	4112.3428
f-p1	SLU-153	Min P	-21037.436	313.828	694.749	10.36	2254.9357	3938.5803
f-p1	SLU-153	Max M2	-16793.865	321.903	688.207	4.5284	12774.6045	4041.1298
f-p1	SLU-153	Min M2	-19626.517	316.288	689.684	13.653	-631.0513	3969.8123
f-p1	SLU-153	Max M3	-18350.583	346.686	690.157	6.9855	6391.3708	4355.8703
f-p1	SLU-153	Min M3	-18801.558	288.862	691.869	13.6535	5412.0321	3621.5007
f-p1	SLU-154	Max P	-15303.415	327.597	696.603	4.7257	10099.4674	4113.4406
f-p1	SLU-154	Min P	-21153.868	319.556	683.112	2.7218	17284.9867	4011.3252
f-p1	SLU-154	Max M2	-19802.824	321.762	688.456	-0.7306	20470.2729	4039.3431
f-p1	SLU-154	Min M2	-16862.282	318.523	688.991	8.7364	7045.4967	3998.1956
f-p1	SLU-154	Max M3	-18516.472	354.019	687.999	6.1105	13779.0634	4449.0055
f-p1	SLU-154	Min M3	-18886.352	287.233	686.068	-0.8118	13995.4334	3600.8199
f-p1	SLU-155	Max P	-15218.321	369.865	-684.751	-4.7576	-9917.5371	4632.782
f-p1	SLU-155	Min P	-21031.585	356.183	-670.15	-3.1436	-17518.1294	4459.0195
f-p1	SLU-155	Max M2	-16788.013	364.258	-676.692	-8.9752	-6998.4606	4561.569
f-p1	SLU-155	Min M2	-19620.666	358.642	-675.215	0.1494	-20404.1164	4490.2515
f-p1	SLU-155	Max M3	-18344.732	389.041	-674.743	-6.518	-13381.6943	4876.3095
f-p1	SLU-155	Min M3	-18795.707	331.216	-673.03	0.15	-14361.033	4141.94
f-p1	SLU-156	Max P	-15297.564	369.952	-668.296	-8.7779	-9673.5977	4633.8799
f-p1	SLU-156	Min P	-21148.016	361.911	-681.787	-10.7818	-2488.0784	4531.7645
f-p1	SLU-156	Max M2	-19796.972	364.117	-676.443	-14.2341	697.2078	4559.7823
f-p1	SLU-156	Min M2	-16856.43	360.877	-675.908	-4.7672	-12727.5684	4518.6348
f-p1	SLU-156	Max M3	-18510.62	396.374	-676.901	-7.3931	-5994.0017	4969.4447
f-p1	SLU-156	Min M3	-18880.5	329.588	-678.831	-14.3154	-5777.6317	4121.2591
f-p1	SLU-157	Max P	-14869.608	330.029	680.167	8.6529	10006.7001	4144.3263
f-p1	SLU-157	Min P	-20682.872	316.347	694.768	10.2669	2406.1078	3970.5638
f-p1	SLU-157	Max M2	-16439.3	324.422	688.226	4.4354	12925.7765	4073.1133
f-p1	SLU-157	Min M2	-19271.953	318.806	689.703	13.5599	-479.8793	4001.7957
f-p1	SLU-157	Max M3	-17996.019	349.204	690.176	6.8925	6542.5429	4387.8537
f-p1	SLU-157	Min M3	-18446.993	291.38	691.888	13.5605	5563.2041	3653.4842
f-p1	SLU-158	Max P	-14948.851	330.116	696.622	4.6326	10250.6395	4145.4241
f-p1	SLU-158	Min P	-20799.303	322.075	683.131	2.6288	17436.1587	4043.3087
f-p1	SLU-158	Max M2	-19448.259	324.281	688.475	-0.8236	20621.4449	4071.3266
f-p1	SLU-158	Min M2	-16507.717	321.041	689.01	8.6434	7196.6688	4030.179
f-p1	SLU-158	Max M3	-18161.907	356.538	688.018	6.0174	13930.2355	4480.9889
f-p1	SLU-158	Min M3	-18531.787	289.752	686.087	-0.9049	14146.6054	3632.8033
f-p1	SLU-159	Max P	-14863.756	372.384	-684.732	-4.8507	-9766.365	4664.7655
f-p1	SLU-159	Min P	-20677.021	358.701	-670.131	-3.2367	-17366.9573	4491.003
f-p1	SLU-159	Max M2	-16433.449	366.776	-676.673	-9.0682	-6847.2886	4593.5525
f-p1	SLU-159	Min M2	-19266.102	361.161	-675.196	0.0563	-20252.9444	4522.235
f-p1	SLU-159	Max M3	-17990.167	391.559	-674.724	-6.6111	-13230.5222	4908.293
f-p1	SLU-159	Min M3	-18441.142	333.735	-673.011	0.0569	-14209.861	4173.9234
f-p1	SLU-160	Max P	-14943	372.47	-668.277	-8.8709	-9522.4256	4665.8633
f-p1	SLU-160	Min P	-20793.452	364.429	-681.769	-10.8748	-2336.9064	4563.7479
f-p1	SLU-160	Max M2	-19442.408	366.635	-676.424	-14.3272	848.3798	4591.7658
f-p1	SLU-160	Min M2	-16501.866	363.396	-675.889	-4.8602	-12576.3963	4550.6182

f-p1	SLU-160	Max M3	-18156.056	398.892	-676.882	-7.4861	-5842.8296	5001.4282
f-p1	SLU-160	Min M3	-18525.936	332.106	-678.812	-14.4084	-5626.4597	4153.2425
f-p1	SLU-161	Max P	-20495.21	675.715	667.553	9.899	9598.8583	8534.5335
f-p1	SLU-161	Min P	-23468.433	668.814	675.122	10.2859	5584.2862	8446.9009
f-p1	SLU-161	Max M2	-21273.321	672.493	671.695	7.8827	10981.5424	8493.6188
f-p1	SLU-161	Min M2	-22809.404	669.675	673.226	11.6088	4226.4192	8457.8282
f-p1	SLU-161	Max M3	-22233.698	685.693	673.783	8.7424	7710.4433	8661.2572
f-p1	SLU-161	Min M3	-22397.845	654.492	674.239	12.5924	7242.4056	8265.013
f-p1	SLU-162	Max P	-20539.466	675.735	676.415	7.6195	9729.8504	8534.7885
f-p1	SLU-162	Min P	-23517.474	672.084	669.202	7.1377	13474.1002	8488.4293
f-p1	SLU-162	Max M2	-22880.996	671.987	671.461	5.6325	15031.6318	8487.202
f-p1	SLU-162	Min M2	-21331.811	670.68	672.456	9.5434	8270.8054	8470.5955
f-p1	SLU-162	Max M3	-22316.418	689.878	670.945	8.5741	11697.513	8714.4106
f-p1	SLU-162	Min M3	-22449.678	653.515	670.437	4.5715	11798.9697	8252.6019
f-p1	SLU-163	Max P	-20489.359	718.069	-697.346	-3.6046	-10174.2068	9054.9727
f-p1	SLU-163	Min P	-23462.582	711.169	-689.777	-3.2177	-14188.7789	8967.3401
f-p1	SLU-163	Max M2	-21267.47	714.847	-693.204	-5.6209	-8791.5227	9014.058
f-p1	SLU-163	Min M2	-22803.553	712.029	-691.673	-1.8948	-15546.6459	8978.2674
f-p1	SLU-163	Max M3	-22227.847	728.047	-691.116	-4.7612	-12062.6218	9181.6964
f-p1	SLU-163	Min M3	-22391.994	696.847	-690.66	-0.9112	-12530.6595	8785.4522
f-p1	SLU-164	Max P	-20533.615	718.089	-688.484	-5.884	-10043.2147	9055.2278
f-p1	SLU-164	Min P	-23511.623	714.439	-695.697	-6.3659	-6298.9649	9008.8686
f-p1	SLU-164	Max M2	-22875.145	714.342	-693.438	-7.8711	-4741.4333	9007.6412
f-p1	SLU-164	Min M2	-21325.96	713.035	-692.443	-3.9601	-11502.2597	8991.0347
f-p1	SLU-164	Max M3	-22310.566	732.233	-693.954	-4.9295	-8075.552	9234.8498
f-p1	SLU-164	Min M3	-22443.827	695.87	-694.462	-8.932	-7974.0954	8773.0411
f-p1	SLU-165	Max P	-20140.646	678.233	667.572	9.8059	9750.0303	8566.5169
f-p1	SLU-165	Min P	-23113.869	671.333	675.141	10.1928	5735.4583	8478.8843
f-p1	SLU-165	Max M2	-20918.757	675.011	671.714	7.7897	11132.7144	8525.6022
f-p1	SLU-165	Min M2	-22454.84	672.193	673.245	11.5157	4377.5913	8489.8116
f-p1	SLU-165	Max M3	-21879.134	688.211	673.802	8.6493	7861.6154	8693.2407
f-p1	SLU-165	Min M3	-22043.281	657.011	674.258	12.4993	7393.5776	8296.9965
f-p1	SLU-166	Max P	-20184.902	678.253	676.434	7.5265	9881.0225	8566.772
f-p1	SLU-166	Min P	-23162.91	674.602	669.221	7.0446	13625.2723	8520.4128
f-p1	SLU-166	Max M2	-22526.432	674.506	671.48	5.5395	15182.8039	8519.1855
f-p1	SLU-166	Min M2	-20977.247	673.198	672.475	9.4504	8421.9775	8502.5789
f-p1	SLU-166	Max M3	-21961.853	692.396	670.964	8.481	11848.6851	8746.3941
f-p1	SLU-166	Min M3	-22095.114	656.033	670.456	4.4785	11950.1418	8284.5854
f-p1	SLU-167	Max P	-20134.795	720.588	-697.327	-3.6976	-10023.0347	9086.9562
f-p1	SLU-167	Min P	-23108.017	713.687	-689.758	-3.3107	-14037.6068	8999.3236
f-p1	SLU-167	Max M2	-20912.906	717.366	-693.185	-5.7139	-8640.3507	9046.0415
f-p1	SLU-167	Min M2	-22448.989	714.548	-691.654	-1.9879	-15395.4738	9010.2509
f-p1	SLU-167	Max M3	-21873.282	730.566	-691.098	-4.8543	-11911.4497	9213.6799
f-p1	SLU-167	Min M3	-22037.429	699.365	-690.641	-1.0042	-12379.4875	8817.4357
f-p1	SLU-168	Max P	-20179.05	720.608	-688.465	-5.9771	-9892.0426	9087.2112
f-p1	SLU-168	Min P	-23157.059	716.957	-695.678	-6.459	-6147.7928	9040.852
f-p1	SLU-168	Max M2	-22520.58	716.86	-693.419	-7.9641	-4590.2612	9039.6247
f-p1	SLU-168	Min M2	-20971.395	715.553	-692.424	-4.0532	-11351.0876	9023.0181
f-p1	SLU-168	Max M3	-21956.002	734.751	-693.936	-5.0226	-7924.38	9266.8333
f-p1	SLU-168	Min M3	-22089.262	698.388	-694.443	-9.0251	-7822.9233	8805.0246
f-p1	SLU-169	Max P	-20716.367	678.443	667.648	9.8651	9625.1757	8569.1898

f-p1	SLU-169	Min P	-23689.59	671.543	675.217	10.252	5610.6036	8481.5572
f-p1	SLU-169	Max M2	-21494.478	675.222	671.79	7.8488	11007.8598	8528.2751
f-p1	SLU-169	Min M2	-23030.561	672.403	673.321	11.5749	4252.7366	8492.4845
f-p1	SLU-169	Max M3	-22454.855	688.421	673.877	8.7084	7736.7607	8695.9136
f-p1	SLU-169	Min M3	-22619.002	657.221	674.334	12.5585	7268.723	8299.6694
f-p1	SLU-170	Max P	-20760.623	678.463	676.51	7.5856	9756.1678	8569.4449
f-p1	SLU-170	Min P	-23738.631	674.813	669.297	7.1038	13500.4176	8523.0857
f-p1	SLU-170	Max M2	-23102.153	674.716	671.556	5.5986	15057.9493	8521.8584
f-p1	SLU-170	Min M2	-21552.968	673.409	672.551	9.5095	8297.1228	8505.2518
f-p1	SLU-170	Max M3	-22537.574	692.607	671.04	8.5402	11723.8305	8749.067
f-p1	SLU-170	Min M3	-22670.835	656.244	670.532	4.5376	11825.2872	8287.2582
f-p1	SLU-171	Max P	-20710.516	720.798	-697.251	-3.6385	-10147.8894	9089.629
f-p1	SLU-171	Min P	-23683.738	713.898	-689.683	-3.2516	-14162.4615	9001.9964
f-p1	SLU-171	Max M2	-21488.627	717.576	-693.109	-5.6548	-8765.2053	9048.7144
f-p1	SLU-171	Min M2	-23024.71	714.758	-691.579	-1.9287	-15520.3285	9012.9237
f-p1	SLU-171	Max M3	-22449.003	730.776	-691.022	-4.7951	-12036.3044	9216.3528
f-p1	SLU-171	Min M3	-22613.15	699.576	-690.566	-0.9451	-12504.3421	8820.1086
f-p1	SLU-172	Max P	-20754.771	720.818	-688.389	-5.9179	-10016.8972	9089.8841
f-p1	SLU-172	Min P	-23732.78	717.167	-695.602	-6.3998	-6272.6474	9043.5249
f-p1	SLU-172	Max M2	-23096.301	717.071	-693.343	-7.905	-4715.1158	9042.2976
f-p1	SLU-172	Min M2	-21547.117	715.763	-692.348	-3.994	-11475.9423	9025.691
f-p1	SLU-172	Max M3	-22531.723	734.961	-693.86	-4.9634	-8049.2346	9269.5062
f-p1	SLU-172	Min M3	-22664.983	698.598	-694.367	-8.9659	-7947.7779	8807.6975
f-p1	SLU-173	Max P	-20361.803	680.962	667.667	9.772	9776.3478	8601.1733
f-p1	SLU-173	Min P	-23335.025	674.061	675.236	10.1589	5761.7757	8513.5407
f-p1	SLU-173	Max M2	-21139.914	677.74	671.809	7.7558	11159.0318	8560.2586
f-p1	SLU-173	Min M2	-22675.997	674.922	673.34	11.4818	4403.9087	8524.468
f-p1	SLU-173	Max M3	-22100.29	690.94	673.896	8.6154	7887.9328	8727.897
f-p1	SLU-173	Min M3	-22264.437	659.74	674.353	12.4654	7419.895	8331.6528
f-p1	SLU-174	Max P	-20406.058	680.982	676.529	7.4926	9907.3399	8601.4284
f-p1	SLU-174	Min P	-23384.067	677.331	669.316	7.0107	13651.5897	8555.0691
f-p1	SLU-174	Max M2	-22747.588	677.235	671.575	5.5056	15209.1213	8553.8418
f-p1	SLU-174	Min M2	-21198.404	675.927	672.57	9.4165	8448.2949	8537.2353
f-p1	SLU-174	Max M3	-22183.01	695.125	671.058	8.4471	11875.0025	8781.0504
f-p1	SLU-174	Min M3	-22316.27	658.762	670.551	4.4446	11976.4592	8319.2417
f-p1	SLU-175	Max P	-20355.951	723.316	-697.232	-3.7316	-9996.7173	9121.6125
f-p1	SLU-175	Min P	-23329.174	716.416	-689.664	-3.3446	-14011.2894	9033.9799
f-p1	SLU-175	Max M2	-21134.062	720.095	-693.09	-5.7478	-8614.0332	9080.6978
f-p1	SLU-175	Min M2	-22670.145	717.276	-691.56	-2.0218	-15369.1564	9044.9072
f-p1	SLU-175	Max M3	-22094.439	733.294	-691.003	-4.8882	-11885.1323	9248.3362
f-p1	SLU-175	Min M3	-22258.586	702.094	-690.547	-1.0382	-12353.17	8852.092
f-p1	SLU-176	Max P	-20400.207	723.336	-688.37	-6.011	-9865.7252	9121.8676
f-p1	SLU-176	Min P	-23378.215	719.686	-695.583	-6.4929	-6121.4754	9075.5084
f-p1	SLU-176	Max M2	-22741.737	719.589	-693.324	-7.998	-4563.9438	9074.281
f-p1	SLU-176	Min M2	-21192.552	718.282	-692.329	-4.0871	-11324.7702	9057.6745
f-p1	SLU-176	Max M3	-22177.159	737.48	-693.841	-5.0565	-7898.0626	9301.4896
f-p1	SLU-176	Min M3	-22310.419	701.117	-694.348	-9.059	-7796.6059	8839.6809
f-p1	SLU-177	Max P	-20497.267	-32.632	700.721	5.6808	10103.8162	-461.4708
f-p1	SLU-177	Min P	-23470.49	-39.533	708.29	6.0678	6089.2441	-549.1034
f-p1	SLU-177	Max M2	-21275.378	-35.854	704.864	3.6646	11486.5002	-502.3855
f-p1	SLU-177	Min M2	-22811.461	-38.672	706.394	7.3906	4731.3771	-538.1761

f-p1	SLU-177	Max M3	-22235.755	-22.654	706.951	4.5242	8215.4012	-334.7471
f-p1	SLU-177	Min M3	-22399.902	-53.854	707.407	8.3743	7747.3634	-730.9913
f-p1	SLU-178	Max P	-20541.523	-32.612	709.584	3.4014	10234.8083	-461.2157
f-p1	SLU-178	Min P	-23519.531	-36.263	702.371	2.9195	13979.0581	-507.5749
f-p1	SLU-178	Max M2	-22883.053	-36.359	704.629	1.4144	15536.5897	-508.8023
f-p1	SLU-178	Min M2	-21333.868	-37.667	705.625	5.3253	8775.7633	-525.4088
f-p1	SLU-178	Max M3	-22318.475	-18.469	704.113	4.3559	12202.4709	-281.5937
f-p1	SLU-178	Min M3	-22451.735	-54.832	703.606	0.3534	12303.9276	-743.4024
f-p1	SLU-179	Max P	-20491.416	9.722	-664.178	-7.8227	-9669.2489	58.9684
f-p1	SLU-179	Min P	-23464.639	2.822	-656.609	-7.4358	-13683.821	-28.6642
f-p1	SLU-179	Max M2	-21269.527	6.501	-660.036	-9.839	-8286.5649	18.0537
f-p1	SLU-179	Min M2	-22805.61	3.682	-658.505	-6.113	-15041.688	-17.7369
f-p1	SLU-179	Max M3	-22229.904	19.7	-657.948	-8.9794	-11557.6639	185.6922
f-p1	SLU-179	Min M3	-22394.051	-11.5	-657.492	-5.1293	-12025.7017	-210.5521
f-p1	SLU-180	Max P	-20535.672	9.742	-655.316	-10.1022	-9538.2568	59.2235
f-p1	SLU-180	Min P	-23513.68	6.092	-662.528	-10.5841	-5794.007	12.8643
f-p1	SLU-180	Max M2	-22877.202	5.995	-660.27	-12.0892	-4236.4754	11.637
f-p1	SLU-180	Min M2	-21328.017	4.688	-659.275	-8.1783	-10997.3018	-4.9696
f-p1	SLU-180	Max M3	-22312.623	23.886	-660.786	-9.1477	-7570.5942	238.8456
f-p1	SLU-180	Min M3	-22445.884	-12.477	-661.294	-13.1502	-7469.1375	-222.9632
f-p1	SLU-181	Max P	-20142.703	-30.114	700.74	5.5878	10254.9882	-429.4873
f-p1	SLU-181	Min P	-23115.926	-37.014	708.309	5.9747	6240.4161	-517.1199
f-p1	SLU-181	Max M2	-20920.814	-33.336	704.882	3.5715	11637.6723	-470.402
f-p1	SLU-181	Min M2	-22456.897	-36.154	706.413	7.2976	4882.5491	-506.1926
f-p1	SLU-181	Max M3	-21881.191	-20.136	706.97	4.4312	8366.5732	-302.7636
f-p1	SLU-181	Min M3	-22045.338	-51.336	707.426	8.2812	7898.5355	-699.0078
f-p1	SLU-182	Max P	-20186.959	-30.094	709.603	3.3083	10385.9803	-429.2323
f-p1	SLU-182	Min P	-23164.967	-33.744	702.39	2.8265	14130.2301	-475.5915
f-p1	SLU-182	Max M2	-22528.489	-33.841	704.648	1.3213	15687.7618	-476.8188
f-p1	SLU-182	Min M2	-20979.304	-35.148	705.643	5.2322	8926.9353	-493.4254
f-p1	SLU-182	Max M3	-21963.91	-15.95	704.132	4.2629	12353.643	-249.6102
f-p1	SLU-182	Min M3	-22097.171	-52.313	703.624	0.2603	12455.0997	-711.4189
f-p1	SLU-183	Max P	-20136.852	12.241	-664.159	-7.9158	-9518.0769	90.9519
f-p1	SLU-183	Min P	-23110.074	5.34	-656.59	-7.5289	-13532.649	3.3193
f-p1	SLU-183	Max M2	-20914.963	9.019	-660.017	-9.9321	-8135.3928	50.0372
f-p1	SLU-183	Min M2	-22451.046	6.201	-658.486	-6.206	-14890.516	14.2466
f-p1	SLU-183	Max M3	-21875.339	22.219	-657.929	-9.0724	-11406.4919	217.6756
f-p1	SLU-183	Min M3	-22039.486	-8.981	-657.473	-5.2224	-11874.5296	-178.5686
f-p1	SLU-184	Max P	-20181.107	12.261	-655.297	-10.1952	-9387.0847	91.207
f-p1	SLU-184	Min P	-23159.116	8.61	-662.51	-10.6771	-5642.8349	44.8477
f-p1	SLU-184	Max M2	-22522.637	8.514	-660.251	-12.1823	-4085.3033	43.6204
f-p1	SLU-184	Min M2	-20973.452	7.206	-659.256	-8.2713	-10846.1298	27.0139
f-p1	SLU-184	Max M3	-21958.059	26.404	-660.767	-9.2407	-7419.4221	270.829
f-p1	SLU-184	Min M3	-22091.319	-9.959	-661.275	-13.2432	-7317.9654	-190.9797
f-p1	SLU-185	Max P	-20718.424	-29.903	700.816	5.6469	10130.1336	-426.8145
f-p1	SLU-185	Min P	-23691.647	-36.804	708.385	6.0339	6115.5615	-514.4471
f-p1	SLU-185	Max M2	-21496.535	-33.125	704.958	3.6307	11512.8177	-467.7291
f-p1	SLU-185	Min M2	-23032.618	-35.943	706.489	7.3567	4757.6945	-503.5198
f-p1	SLU-185	Max M3	-22456.912	-19.925	707.046	4.4903	8241.7186	-300.0907
f-p1	SLU-185	Min M3	-22621.059	-51.126	707.502	8.3403	7773.6809	-696.3349
f-p1	SLU-186	Max P	-20762.68	-29.883	709.678	3.3675	10261.1257	-426.5594

f-p1	SLU-186	Min P	-23740.688	-33.534	702.466	2.8856	14005.3755	-472.9186
f-p1	SLU-186	Max M2	-23104.21	-33.63	704.724	1.3805	15562.9071	-474.1459
f-p1	SLU-186	Min M2	-21555.025	-34.938	705.719	5.2914	8802.0807	-490.7525
f-p1	SLU-186	Max M3	-22539.631	-15.74	704.208	4.322	12228.7884	-246.9373
f-p1	SLU-186	Min M3	-22672.892	-52.103	703.7	0.3195	12330.245	-708.746
f-p1	SLU-187	Max P	-20712.573	12.451	-664.083	-7.8566	-9642.9315	93.6248
f-p1	SLU-187	Min P	-23685.795	5.551	-656.514	-7.4697	-13657.5036	5.9922
f-p1	SLU-187	Max M2	-21490.684	9.229	-659.941	-9.8729	-8260.2474	52.7101
f-p1	SLU-187	Min M2	-23026.767	6.411	-658.41	-6.1469	-15015.3706	16.9195
f-p1	SLU-187	Max M3	-22451.06	22.429	-657.853	-9.0133	-11531.3465	220.3485
f-p1	SLU-187	Min M3	-22615.207	-8.771	-657.397	-5.1632	-11999.3842	-175.8957
f-p1	SLU-188	Max P	-20756.828	12.471	-655.221	-10.1361	-9511.9394	93.8798
f-p1	SLU-188	Min P	-23734.837	8.821	-662.434	-10.618	-5767.6896	47.5206
f-p1	SLU-188	Max M2	-23098.358	8.724	-660.175	-12.1231	-4210.158	46.2933
f-p1	SLU-188	Min M2	-21549.174	7.417	-659.18	-8.2122	-10970.9844	29.6867
f-p1	SLU-188	Max M3	-22533.78	26.615	-660.691	-9.1816	-7544.2767	273.5019
f-p1	SLU-188	Min M3	-22667.04	-9.748	-661.199	-13.1841	-7442.8201	-188.3068
f-p1	SLU-189	Max P	-20363.86	-27.385	700.835	5.5539	10281.3057	-394.831
f-p1	SLU-189	Min P	-23337.082	-34.285	708.404	5.9408	6266.7336	-482.4636
f-p1	SLU-189	Max M2	-21141.971	-30.607	704.977	3.5376	11663.9897	-435.7457
f-p1	SLU-189	Min M2	-22678.054	-33.425	706.508	7.2637	4908.8666	-471.5363
f-p1	SLU-189	Max M3	-22102.347	-17.407	707.065	4.3972	8392.8907	-268.1073
f-p1	SLU-189	Min M3	-22266.494	-48.607	707.521	8.2473	7924.8529	-664.3515
f-p1	SLU-190	Max P	-20408.115	-27.365	709.697	3.2744	10412.2978	-394.5759
f-p1	SLU-190	Min P	-23386.124	-31.015	702.484	2.7926	14156.5476	-440.9351
f-p1	SLU-190	Max M2	-22749.645	-31.112	704.743	1.2874	15714.0792	-442.1624
f-p1	SLU-190	Min M2	-21200.461	-32.42	705.738	5.1983	8953.2528	-458.769
f-p1	SLU-190	Max M3	-22185.067	-13.222	704.227	4.229	12379.9604	-214.9538
f-p1	SLU-190	Min M3	-22318.327	-49.584	703.719	0.2264	12481.4171	-676.7626
f-p1	SLU-191	Max P	-20358.008	14.97	-664.064	-7.9497	-9491.7594	125.6082
f-p1	SLU-191	Min P	-23331.231	8.069	-656.495	-7.5628	-13506.3315	37.9756
f-p1	SLU-191	Max M2	-21136.119	11.748	-659.922	-9.966	-8109.0754	84.6935
f-p1	SLU-191	Min M2	-22672.202	8.93	-658.391	-6.2399	-14864.1985	48.9029
f-p1	SLU-191	Max M3	-22096.496	24.948	-657.834	-9.1063	-11380.1744	252.332
f-p1	SLU-191	Min M3	-22260.643	-6.253	-657.378	-5.2563	-11848.2122	-143.9122
f-p1	SLU-192	Max P	-20402.264	14.99	-655.202	-10.2291	-9360.7673	125.8633
f-p1	SLU-192	Min P	-23380.273	11.339	-662.415	-10.711	-5616.5175	79.5041
f-p1	SLU-192	Max M2	-22743.794	11.242	-660.156	-12.2162	-4058.9859	78.2768
f-p1	SLU-192	Min M2	-21194.609	9.935	-659.161	-8.3052	-10819.8123	61.6702
f-p1	SLU-192	Max M3	-22179.216	29.133	-660.672	-9.2746	-7393.1047	305.4854
f-p1	SLU-192	Min M3	-22312.476	-7.23	-661.18	-13.2771	-7291.648	-156.3234
f-p1	SLU-193	Max P	-20497.012	318.719	817.036	-10.5961	11894.9167	4000.689
f-p1	SLU-193	Min P	-23470.235	311.819	824.605	-10.2092	7880.3446	3913.0564
f-p1	SLU-193	Max M2	-21275.123	315.497	821.178	-12.6123	13277.6008	3959.7743
f-p1	SLU-193	Min M2	-22811.206	312.679	822.708	-8.8863	6522.4776	3923.9837
f-p1	SLU-193	Max M3	-22235.5	328.697	823.265	-11.7527	10006.5017	4127.4127
f-p1	SLU-193	Min M3	-22399.647	297.497	823.721	-7.9027	9538.464	3731.1685
f-p1	SLU-194	Max P	-20541.268	318.739	825.898	-12.8755	12025.9089	4000.9441
f-p1	SLU-194	Min P	-23519.276	315.088	818.685	-13.3574	15770.1587	3954.5849
f-p1	SLU-194	Max M2	-22882.798	314.992	820.944	-14.8625	17327.6903	3953.3575
f-p1	SLU-194	Min M2	-21333.613	313.684	821.939	-10.9516	10566.8638	3936.751

f-p1	SLU-194	Max M3	-22318.219	332.882	820.427	-11.921	13993.5715	4180.5662
f-p1	SLU-194	Min M3	-22451.48	296.519	819.92	-15.9235	14095.0282	3718.7574
f-p1	SLU-195	Max P	-20491.161	361.073	-547.863	-24.0997	-7878.1484	4521.1282
f-p1	SLU-195	Min P	-23464.383	354.173	-540.295	-23.7127	-11892.7205	4433.4956
f-p1	SLU-195	Max M2	-21269.272	357.852	-543.721	-26.1159	-6495.4643	4480.2135
f-p1	SLU-195	Min M2	-22805.355	355.034	-542.191	-22.3899	-13250.5875	4444.4229
f-p1	SLU-195	Max M3	-22229.648	371.052	-541.634	-25.2563	-9766.5634	4647.852
f-p1	SLU-195	Min M3	-22393.795	339.851	-541.178	-21.4062	-10234.6011	4251.6078
f-p1	SLU-196	Max P	-20535.416	361.094	-539.001	-26.3791	-7747.1562	4521.3833
f-p1	SLU-196	Min P	-23513.425	357.443	-546.214	-26.861	-4002.9064	4475.0241
f-p1	SLU-196	Max M2	-22876.946	357.346	-543.955	-28.3661	-2445.3748	4473.7968
f-p1	SLU-196	Min M2	-21327.762	356.039	-542.96	-24.4552	-9206.2013	4457.1902
f-p1	SLU-196	Max M3	-22312.368	375.237	-544.472	-25.4246	-5779.4936	4701.0054
f-p1	SLU-196	Min M3	-22445.628	338.874	-544.979	-29.4271	-5678.0369	4239.1966
f-p1	SLU-197	Max P	-20142.448	321.237	817.055	-10.6891	12046.0888	4032.6725
f-p1	SLU-197	Min P	-23115.67	314.337	824.623	-10.3022	8031.5167	3945.0399
f-p1	SLU-197	Max M2	-20920.559	318.016	821.197	-12.7054	13428.7728	3991.7578
f-p1	SLU-197	Min M2	-22456.642	315.197	822.727	-8.9794	6673.6497	3955.9672
f-p1	SLU-197	Max M3	-21880.935	331.215	823.284	-11.8458	10157.6738	4159.3962
f-p1	SLU-197	Min M3	-22045.082	300.015	823.74	-7.9957	9689.636	3763.152
f-p1	SLU-198	Max P	-20186.703	321.257	825.917	-12.9686	12177.0809	4032.9275
f-p1	SLU-198	Min P	-23164.712	317.607	818.704	-13.4505	15921.3307	3986.5683
f-p1	SLU-198	Max M2	-22528.233	317.51	820.963	-14.9556	17478.8623	3985.341
f-p1	SLU-198	Min M2	-20979.049	316.203	821.958	-11.0447	10718.0359	3968.7344
f-p1	SLU-198	Max M3	-21963.655	335.401	820.446	-12.0141	14144.7435	4212.5496
f-p1	SLU-198	Min M3	-22096.915	299.038	819.939	-16.0166	14246.2002	3750.7409
f-p1	SLU-199	Max P	-20136.596	363.592	-547.845	-24.1927	-7726.9763	4553.1117
f-p1	SLU-199	Min P	-23109.819	356.691	-540.276	-23.8058	-11741.5484	4465.4791
f-p1	SLU-199	Max M2	-20914.707	360.37	-543.702	-26.209	-6344.2922	4512.197
f-p1	SLU-199	Min M2	-22450.79	357.552	-542.172	-22.4829	-13099.4154	4476.4064
f-p1	SLU-199	Max M3	-21875.084	373.57	-541.615	-25.3493	-9615.3913	4679.8354
f-p1	SLU-199	Min M3	-22039.231	342.37	-541.159	-21.4993	-10083.429	4283.5912
f-p1	SLU-200	Max P	-20180.852	363.612	-538.982	-26.4721	-7595.9842	4553.3668
f-p1	SLU-200	Min P	-23158.86	359.961	-546.195	-26.954	-3851.7344	4507.0075
f-p1	SLU-200	Max M2	-22522.382	359.865	-543.937	-28.4592	-2294.2028	4505.7802
f-p1	SLU-200	Min M2	-20973.197	358.557	-542.941	-24.5483	-9055.0292	4489.1737
f-p1	SLU-200	Max M3	-21957.804	377.755	-544.453	-25.5176	-5628.3215	4732.9888
f-p1	SLU-200	Min M3	-22091.064	341.392	-544.96	-29.5202	-5526.8649	4271.1801
f-p1	SLU-201	Max P	-20718.169	321.448	817.13	-10.63	11921.2342	4035.3454
f-p1	SLU-201	Min P	-23691.392	314.547	824.699	-10.2431	7906.6621	3947.7128
f-p1	SLU-201	Max M2	-21496.28	318.226	821.273	-12.6462	13303.9182	3994.4307
f-p1	SLU-201	Min M2	-23032.363	315.408	822.803	-8.9202	6548.7951	3958.6401
f-p1	SLU-201	Max M3	-22456.656	331.426	823.36	-11.7866	10032.8192	4162.0691
f-p1	SLU-201	Min M3	-22620.804	300.226	823.816	-7.9366	9564.7814	3765.8249
f-p1	SLU-202	Max P	-20762.425	321.468	825.993	-12.9094	12052.2263	4035.6004
f-p1	SLU-202	Min P	-23740.433	317.817	818.78	-13.3913	15796.4761	3989.2412
f-p1	SLU-202	Max M2	-23103.955	317.721	821.038	-14.8964	17354.0077	3988.0139
f-p1	SLU-202	Min M2	-21554.77	316.413	822.034	-10.9855	10593.1813	3971.4073
f-p1	SLU-202	Max M3	-22539.376	335.611	820.522	-11.9549	14019.8889	4215.2225
f-p1	SLU-202	Min M3	-22672.637	299.248	820.015	-15.9574	14121.3456	3753.4138
f-p1	SLU-203	Max P	-20712.318	363.802	-547.769	-24.1336	-7851.8309	4555.7846

f-p1	SLU-203	Min P	-23685.54	356.902	-540.2	-23.7466	-11866.403	4468.152
f-p1	SLU-203	Max M2	-21490.429	360.581	-543.627	-26.1498	-6469.1469	4514.8699
f-p1	SLU-203	Min M2	-23026.512	357.762	-542.096	-22.4238	-13224.27	4479.0793
f-p1	SLU-203	Max M3	-22450.805	373.78	-541.539	-25.2902	-9740.2459	4682.5083
f-p1	SLU-203	Min M3	-22614.952	342.58	-541.083	-21.4402	-10208.2837	4286.2641
f-p1	SLU-204	Max P	-20756.573	363.822	-538.906	-26.413	-7720.8388	4556.0396
f-p1	SLU-204	Min P	-23734.582	360.172	-546.119	-26.8949	-3976.589	4509.6804
f-p1	SLU-204	Max M2	-23098.103	360.075	-543.861	-28.4	-2419.0574	4508.4531
f-p1	SLU-204	Min M2	-21548.918	358.768	-542.866	-24.4891	-9179.8838	4491.8465
f-p1	SLU-204	Max M3	-22533.525	377.966	-544.377	-25.4585	-5753.1762	4735.6617
f-p1	SLU-204	Min M3	-22666.785	341.603	-544.885	-29.461	-5651.7195	4273.853
f-p1	SLU-205	Max P	-20363.605	323.966	817.149	-10.723	12072.4062	4067.3288
f-p1	SLU-205	Min P	-23336.827	317.066	824.718	-10.3361	8057.8341	3979.6962
f-p1	SLU-205	Max M2	-21141.716	320.744	821.292	-12.7393	13455.0903	4026.4141
f-p1	SLU-205	Min M2	-22677.799	317.926	822.822	-9.0133	6699.9671	3990.6235
f-p1	SLU-205	Max M3	-22102.092	333.944	823.379	-11.8797	10183.9912	4194.0525
f-p1	SLU-205	Min M3	-22266.239	302.744	823.835	-8.0296	9715.9535	3797.8083
f-p1	SLU-206	Max P	-20407.86	323.986	826.012	-13.0025	12203.3983	4067.5839
f-p1	SLU-206	Min P	-23385.869	320.336	818.799	-13.4844	15947.6481	4021.2247
f-p1	SLU-206	Max M2	-22749.39	320.239	821.057	-14.9895	17505.1798	4019.9974
f-p1	SLU-206	Min M2	-21200.205	318.932	822.053	-11.0786	10744.3533	4003.3908
f-p1	SLU-206	Max M3	-22184.812	338.13	820.541	-12.048	14171.061	4247.206
f-p1	SLU-206	Min M3	-22318.072	301.767	820.034	-16.0505	14272.5176	3785.3972
f-p1	SLU-207	Max P	-20357.753	366.321	-547.75	-24.2266	-7700.6589	4587.768
f-p1	SLU-207	Min P	-23330.976	359.42	-540.181	-23.8397	-11715.231	4500.1354
f-p1	SLU-207	Max M2	-21135.864	363.099	-543.608	-26.2429	-6317.9748	4546.8533
f-p1	SLU-207	Min M2	-22671.947	360.281	-542.077	-22.5168	-13073.098	4511.0627
f-p1	SLU-207	Max M3	-22096.241	376.299	-541.52	-25.3833	-9589.0739	4714.4918
f-p1	SLU-207	Min M3	-22260.388	345.099	-541.064	-21.5332	-10057.1116	4318.2476
f-p1	SLU-208	Max P	-20402.009	366.341	-538.888	-26.5061	-7569.6667	4588.0231
f-p1	SLU-208	Min P	-23380.017	362.69	-546.1	-26.9879	-3825.4169	4541.6639
f-p1	SLU-208	Max M2	-22743.539	362.594	-543.842	-28.4931	-2267.8853	4540.4366
f-p1	SLU-208	Min M2	-21194.354	361.286	-542.847	-24.5822	-9028.7118	4523.83
f-p1	SLU-208	Max M3	-22178.96	380.484	-544.358	-25.5515	-5602.0041	4767.6452
f-p1	SLU-208	Min M3	-22312.221	344.121	-544.866	-29.5541	-5500.5474	4305.8364
f-p1	SLU-209	Max P	-20496.136	323.345	700.905	-4.6568	10091.8893	4059.4392
f-p1	SLU-209	Min P	-23469.359	316.445	708.474	-4.2699	6077.3172	3971.8066
f-p1	SLU-209	Max M2	-21274.247	320.123	705.048	-6.6731	11474.5734	4018.5246
f-p1	SLU-209	Min M2	-22810.33	317.305	706.578	-2.947	4719.4502	3982.7339
f-p1	SLU-209	Max M3	-22234.624	333.323	707.135	-5.8134	8203.4743	4186.163
f-p1	SLU-209	Min M3	-22398.771	302.123	707.591	-1.9634	7735.4366	3789.9188
f-p1	SLU-210	Max P	-20540.392	323.365	709.768	-6.9362	10222.8814	4059.6943
f-p1	SLU-210	Min P	-23518.4	319.714	702.555	-7.4181	13967.1312	4013.3351
f-p1	SLU-210	Max M2	-22881.922	319.618	704.813	-8.9233	15524.6628	4012.1078
f-p1	SLU-210	Min M2	-21332.737	318.31	705.809	-5.0124	8763.8364	3995.5012
f-p1	SLU-210	Max M3	-22317.343	337.508	704.297	-5.9817	12190.5441	4239.3164
f-p1	SLU-210	Min M3	-22450.604	301.145	703.79	-9.9843	12292.0007	3777.5077
f-p1	SLU-211	Max P	-20490.285	365.699	-663.994	-18.1604	-9681.1758	4579.8785
f-p1	SLU-211	Min P	-23463.507	358.799	-656.425	-17.7735	-13695.7479	4492.2459
f-p1	SLU-211	Max M2	-21268.396	362.478	-659.852	-20.1767	-8298.4917	4538.9638
f-p1	SLU-211	Min M2	-22804.479	359.66	-658.321	-16.4506	-15053.6149	4503.1732

f-p1	SLU-211	Max M3	-22228.772	375.678	-657.764	-19.317	-11569.5908	4706.6022
f-p1	SLU-211	Min M3	-22392.919	344.477	-657.308	-15.467	-12037.6285	4310.358
f-p1	SLU-212	Max P	-20534.54	365.72	-655.131	-20.4398	-9550.1837	4580.1335
f-p1	SLU-212	Min P	-23512.549	362.069	-662.344	-20.9217	-5805.9339	4533.7743
f-p1	SLU-212	Max M2	-22876.07	361.972	-660.086	-22.4268	-4248.4023	4532.547
f-p1	SLU-212	Min M2	-21326.886	360.665	-659.091	-18.5159	-11009.2287	4515.9404
f-p1	SLU-212	Max M3	-22311.492	379.863	-660.602	-19.4853	-7582.521	4759.7556
f-p1	SLU-212	Min M3	-22444.752	343.5	-661.11	-23.4878	-7481.0644	4297.9469
f-p1	SLU-213	Max P	-20141.572	325.863	700.924	-4.7499	10243.0614	4091.4227
f-p1	SLU-213	Min P	-23114.794	318.963	708.493	-4.363	6228.4893	4003.7901
f-p1	SLU-213	Max M2	-20919.683	322.642	705.067	-6.7661	11625.7454	4050.508
f-p1	SLU-213	Min M2	-22455.766	319.823	706.597	-3.0401	4870.6223	4014.7174
f-p1	SLU-213	Max M3	-21880.059	335.841	707.154	-5.9065	8354.6464	4218.1464
f-p1	SLU-213	Min M3	-22044.206	304.641	707.61	-2.0565	7886.6086	3821.9022
f-p1	SLU-214	Max P	-20185.827	325.883	709.787	-7.0293	10374.0535	4091.6778
f-p1	SLU-214	Min P	-23163.836	322.233	702.574	-7.5112	14118.3033	4045.3186
f-p1	SLU-214	Max M2	-22527.357	322.136	704.832	-9.0163	15675.8349	4044.0913
f-p1	SLU-214	Min M2	-20978.172	320.829	705.828	-5.1054	8915.0085	4027.4847
f-p1	SLU-214	Max M3	-21962.779	340.027	704.316	-6.0748	12341.7161	4271.2999
f-p1	SLU-214	Min M3	-22096.039	303.664	703.809	-10.0773	12443.1728	3809.4911
f-p1	SLU-215	Max P	-20135.72	368.218	-663.975	-18.2534	-9530.0037	4611.8619
f-p1	SLU-215	Min P	-23108.943	361.317	-656.406	-17.8665	-13544.5758	4524.2293
f-p1	SLU-215	Max M2	-20913.831	364.996	-659.833	-20.2697	-8147.3197	4570.9472
f-p1	SLU-215	Min M2	-22449.914	362.178	-658.302	-16.5437	-14902.4428	4535.1566
f-p1	SLU-215	Max M3	-21874.208	378.196	-657.745	-19.4101	-11418.4187	4738.5857
f-p1	SLU-215	Min M3	-22038.355	346.996	-657.289	-15.56	-11886.4565	4342.3415
f-p1	SLU-216	Max P	-20179.976	368.238	-655.113	-20.5329	-9399.0116	4612.117
f-p1	SLU-216	Min P	-23157.984	364.587	-662.325	-21.0148	-5654.7618	4565.7578
f-p1	SLU-216	Max M2	-22521.506	364.491	-660.067	-22.5199	-4097.2302	4564.5305
f-p1	SLU-216	Min M2	-20972.321	363.183	-659.072	-18.609	-10858.0566	4547.9239
f-p1	SLU-216	Max M3	-21956.927	382.381	-660.583	-19.5784	-7431.349	4791.7391
f-p1	SLU-216	Min M3	-22090.188	346.018	-661.091	-23.5809	-7329.8923	4329.9303
f-p1	SLU-217	Max P	-20717.293	326.074	701	-4.6907	10118.2067	4094.0956
f-p1	SLU-217	Min P	-23690.515	319.173	708.569	-4.3038	6103.6346	4006.463
f-p1	SLU-217	Max M2	-21495.404	322.852	705.142	-6.707	11500.8908	4053.1809
f-p1	SLU-217	Min M2	-23031.487	320.034	706.673	-2.9809	4745.7676	4017.3903
f-p1	SLU-217	Max M3	-22455.78	336.052	707.23	-5.8473	8229.7917	4220.8193
f-p1	SLU-217	Min M3	-22619.927	304.852	707.686	-1.9973	7761.754	3824.5751
f-p1	SLU-218	Max P	-20761.548	326.094	709.863	-6.9702	10249.1988	4094.3507
f-p1	SLU-218	Min P	-23739.557	322.443	702.65	-7.452	13993.4487	4047.9915
f-p1	SLU-218	Max M2	-23103.078	322.347	704.908	-8.9572	15550.9803	4046.7641
f-p1	SLU-218	Min M2	-21553.894	321.039	705.903	-5.0463	8790.1538	4030.1576
f-p1	SLU-218	Max M3	-22538.5	340.237	704.392	-6.0156	12216.8615	4273.9727
f-p1	SLU-218	Min M3	-22671.76	303.874	703.884	-10.0182	12318.3182	3812.164
f-p1	SLU-219	Max P	-20711.442	368.428	-663.899	-18.1943	-9654.8584	4614.5348
f-p1	SLU-219	Min P	-23684.664	361.528	-656.33	-17.8074	-13669.4305	4526.9022
f-p1	SLU-219	Max M2	-21489.553	365.207	-659.757	-20.2106	-8272.1743	4573.6201
f-p1	SLU-219	Min M2	-23025.636	362.388	-658.226	-16.4845	-15027.2975	4537.8295
f-p1	SLU-219	Max M3	-22449.929	378.406	-657.669	-19.3509	-11543.2734	4741.2586
f-p1	SLU-219	Min M3	-22614.076	347.206	-657.213	-15.5009	-12011.3111	4345.0143
f-p1	SLU-220	Max P	-20755.697	368.448	-655.037	-20.4737	-9523.8662	4614.7899

f-p1	SLU-220	Min P	-23733.706	364.798	-662.25	-20.9556	-5779.6164	4568.4307
f-p1	SLU-220	Max M2	-23097.227	364.701	-659.991	-22.4608	-4222.0848	4567.2034
f-p1	SLU-220	Min M2	-21548.042	363.394	-658.996	-18.5498	-10982.9113	4550.5968
f-p1	SLU-220	Max M3	-22532.649	382.592	-660.507	-19.5192	-7556.2036	4794.412
f-p1	SLU-220	Min M3	-22665.909	346.229	-661.015	-23.5217	-7454.7469	4332.6032
f-p1	SLU-221	Max P	-20362.728	328.592	701.019	-4.7838	10269.3788	4126.0791
f-p1	SLU-221	Min P	-23335.951	321.692	708.588	-4.3969	6254.8067	4038.4465
f-p1	SLU-221	Max M2	-21140.839	325.37	705.161	-6.8	11652.0628	4085.1644
f-p1	SLU-221	Min M2	-22676.922	322.552	706.692	-3.074	4896.9397	4049.3738
f-p1	SLU-221	Max M3	-22101.216	338.57	707.249	-5.9404	8380.9638	4252.8028
f-p1	SLU-221	Min M3	-22265.363	307.37	707.705	-2.0904	7912.926	3856.5586
f-p1	SLU-222	Max P	-20406.984	328.612	709.881	-7.0632	10400.3709	4126.3341
f-p1	SLU-222	Min P	-23384.992	324.962	702.668	-7.5451	14144.6207	4079.9749
f-p1	SLU-222	Max M2	-22748.514	324.865	704.927	-9.0502	15702.1523	4078.7476
f-p1	SLU-222	Min M2	-21199.329	323.558	705.922	-5.1393	8941.3259	4062.141
f-p1	SLU-222	Max M3	-22183.936	342.756	704.411	-6.1087	12368.0335	4305.9562
f-p1	SLU-222	Min M3	-22317.196	306.393	703.903	-10.1112	12469.4902	3844.1475
f-p1	SLU-223	Max P	-20356.877	370.947	-663.88	-18.2874	-9503.6863	4646.5183
f-p1	SLU-223	Min P	-23330.1	364.046	-656.311	-17.9004	-13518.2584	4558.8857
f-p1	SLU-223	Max M2	-21134.988	367.725	-659.738	-20.3036	-8121.0022	4605.6036
f-p1	SLU-223	Min M2	-22671.071	364.907	-658.207	-16.5776	-14876.1254	4569.813
f-p1	SLU-223	Max M3	-22095.365	380.925	-657.65	-19.444	-11392.1013	4773.242
f-p1	SLU-223	Min M3	-22259.512	349.725	-657.194	-15.5939	-11860.139	4376.9978
f-p1	SLU-224	Max P	-20401.133	370.967	-655.018	-20.5668	-9372.6942	4646.7733
f-p1	SLU-224	Min P	-23379.141	367.316	-662.231	-21.0487	-5628.4444	4600.4141
f-p1	SLU-224	Max M2	-22742.663	367.22	-659.972	-22.5538	-4070.9128	4599.1868
f-p1	SLU-224	Min M2	-21193.478	365.912	-658.977	-18.6429	-10831.7392	4582.5803
f-p1	SLU-224	Max M3	-22178.084	385.11	-660.488	-19.6123	-7405.0315	4826.3954
f-p1	SLU-224	Min M3	-22311.345	348.747	-660.996	-23.6148	-7303.5749	4364.5867
f-p1	SLU-225	Max P	-20497.642	305.712	1139.066	12.3313	16407.1787	3841.3273
f-p1	SLU-225	Min P	-23470.864	298.812	1146.635	12.7182	12392.6066	3753.6947
f-p1	SLU-225	Max M2	-21275.753	302.491	1143.208	10.315	17789.8628	3800.4126
f-p1	SLU-225	Min M2	-22811.836	299.672	1144.739	14.0411	11034.7396	3764.622
f-p1	SLU-225	Max M3	-22236.129	315.691	1145.296	11.1747	14518.7637	3968.051
f-p1	SLU-225	Min M3	-22400.276	284.49	1145.752	15.0247	14050.726	3571.8068
f-p1	SLU-226	Max P	-20541.897	305.732	1147.929	10.0519	16538.1708	3841.5823
f-p1	SLU-226	Min P	-23519.906	302.082	1140.716	9.57	20282.4206	3795.2231
f-p1	SLU-226	Max M2	-22883.427	301.985	1142.974	8.0648	21839.9523	3793.9958
f-p1	SLU-226	Min M2	-21334.243	300.678	1143.969	11.9758	15079.1258	3777.3893
f-p1	SLU-226	Max M3	-22318.849	319.876	1142.458	11.0064	18505.8335	4021.2044
f-p1	SLU-226	Min M3	-22452.109	283.513	1141.95	7.0039	18607.2901	3559.3957
f-p1	SLU-227	Max P	-20487.89	376.303	-1135.766	-10.1747	-16547.9298	4708.726
f-p1	SLU-227	Min P	-23461.112	369.403	-1128.197	-9.7878	-20562.5019	4621.0934
f-p1	SLU-227	Max M2	-21266.001	373.082	-1131.624	-12.1909	-15165.2457	4667.8113
f-p1	SLU-227	Min M2	-22802.084	370.263	-1130.093	-8.4649	-21920.3689	4632.0207
f-p1	SLU-227	Max M3	-22226.377	386.281	-1129.536	-11.3313	-18436.3448	4835.4497
f-p1	SLU-227	Min M3	-22390.524	355.081	-1129.08	-7.4813	-18904.3825	4439.2055
f-p1	SLU-228	Max P	-20532.145	376.323	-1126.903	-12.4541	-16416.9376	4708.981
f-p1	SLU-228	Min P	-23510.154	372.673	-1134.116	-12.936	-12672.6878	4662.6218
f-p1	SLU-228	Max M2	-22873.675	372.576	-1131.858	-14.4411	-11115.1562	4661.3945
f-p1	SLU-228	Min M2	-21324.49	371.269	-1130.863	-10.5302	-17875.9827	4644.788

f-p1	SLU-228	Max M3	-22309.097	390.467	-1132.374	-11.4996	-14449.275	4888.6031
f-p1	SLU-228	Min M3	-22442.357	354.104	-1132.882	-15.5021	-14347.8183	4426.7944
f-p1	SLU-229	Max P	-20143.077	308.231	1139.085	12.2383	16558.3508	3873.3107
f-p1	SLU-229	Min P	-23116.3	301.33	1146.654	12.6252	12543.7787	3785.6781
f-p1	SLU-229	Max M2	-20921.188	305.009	1143.227	10.222	17941.0348	3832.396
f-p1	SLU-229	Min M2	-22457.271	302.191	1144.758	13.948	11185.9117	3796.6054
f-p1	SLU-229	Max M3	-21881.565	318.209	1145.315	11.0816	14669.9358	4000.0345
f-p1	SLU-229	Min M3	-22045.712	287.009	1145.771	14.9317	14201.898	3603.7903
f-p1	SLU-230	Max P	-20187.333	308.251	1147.947	9.9588	16689.3429	3873.5658
f-p1	SLU-230	Min P	-23165.341	304.6	1140.735	9.4769	20433.5927	3827.2066
f-p1	SLU-230	Max M2	-22528.863	304.504	1142.993	7.9718	21991.1243	3825.9793
f-p1	SLU-230	Min M2	-20979.678	303.196	1143.988	11.8827	15230.2979	3809.3727
f-p1	SLU-230	Max M3	-21964.285	322.394	1142.477	10.9133	18657.0055	4053.1879
f-p1	SLU-230	Min M3	-22097.545	286.031	1141.969	6.9108	18758.4622	3591.3792
f-p1	SLU-231	Max P	-20133.325	378.822	-1135.747	-10.2677	-16396.7577	4740.7094
f-p1	SLU-231	Min P	-23106.548	371.921	-1128.178	-9.8808	-20411.3298	4653.0768
f-p1	SLU-231	Max M2	-20911.436	375.6	-1131.605	-12.284	-15014.0736	4699.7947
f-p1	SLU-231	Min M2	-22447.519	372.782	-1130.074	-8.5579	-21769.1968	4664.0041
f-p1	SLU-231	Max M3	-21871.813	388.8	-1129.517	-11.4244	-18285.1727	4867.4332
f-p1	SLU-231	Min M3	-22035.96	357.6	-1129.061	-7.5743	-18753.2104	4471.189
f-p1	SLU-232	Max P	-20177.581	378.842	-1126.885	-12.5472	-16265.7656	4740.9645
f-p1	SLU-232	Min P	-23155.589	375.191	-1134.097	-13.029	-12521.5158	4694.6053
f-p1	SLU-232	Max M2	-22519.111	375.095	-1131.839	-14.5342	-10963.9842	4693.378
f-p1	SLU-232	Min M2	-20969.926	373.787	-1130.844	-10.6233	-17724.8106	4676.7714
f-p1	SLU-232	Max M3	-21954.532	392.985	-1132.355	-11.5926	-14298.103	4920.5866
f-p1	SLU-232	Min M3	-22087.793	356.622	-1132.863	-15.5952	-14196.6463	4458.7779
f-p1	SLU-233	Max P	-20718.799	308.441	1139.161	12.2974	16433.4961	3875.9836
f-p1	SLU-233	Min P	-23692.021	301.541	1146.73	12.6843	12418.9241	3788.351
f-p1	SLU-233	Max M2	-21496.91	305.22	1143.303	10.2811	17816.1802	3835.0689
f-p1	SLU-233	Min M2	-23032.993	302.401	1144.834	14.0072	11061.0571	3799.2783
f-p1	SLU-233	Max M3	-22457.286	318.419	1145.391	11.1408	14545.0812	4002.7074
f-p1	SLU-233	Min M3	-22621.433	287.219	1145.847	14.9908	14077.0434	3606.4632
f-p1	SLU-234	Max P	-20763.054	308.461	1148.023	10.018	16564.4883	3876.2387
f-p1	SLU-234	Min P	-23741.063	304.811	1140.81	9.5361	20308.7381	3829.8795
f-p1	SLU-234	Max M2	-23104.584	304.714	1143.069	8.0309	21866.2697	3828.6522
f-p1	SLU-234	Min M2	-21555.399	303.407	1144.064	11.9419	15105.4433	3812.0456
f-p1	SLU-234	Max M3	-22540.006	322.605	1142.553	10.9725	18532.1509	4055.8608
f-p1	SLU-234	Min M3	-22673.266	286.242	1142.045	6.97	18633.6076	3594.052
f-p1	SLU-235	Max P	-20709.046	379.032	-1135.671	-10.2086	-16521.6123	4743.3823
f-p1	SLU-235	Min P	-23682.269	372.132	-1128.102	-9.8217	-20536.1844	4655.7497
f-p1	SLU-235	Max M2	-21487.157	375.81	-1131.529	-12.2248	-15138.9283	4702.4676
f-p1	SLU-235	Min M2	-23023.24	372.992	-1129.998	-8.4988	-21894.0514	4666.677
f-p1	SLU-235	Max M3	-22447.534	389.01	-1129.441	-11.3652	-18410.0273	4870.1061
f-p1	SLU-235	Min M3	-22611.681	357.81	-1128.985	-7.5152	-18878.0651	4473.8618
f-p1	SLU-236	Max P	-20753.302	379.052	-1126.809	-12.488	-16390.6202	4743.6374
f-p1	SLU-236	Min P	-23731.31	375.402	-1134.022	-12.9699	-12646.3704	4697.2782
f-p1	SLU-236	Max M2	-23094.832	375.305	-1131.763	-14.475	-11088.8388	4696.0509
f-p1	SLU-236	Min M2	-21545.647	373.998	-1130.768	-10.5641	-17849.6652	4679.4443
f-p1	SLU-236	Max M3	-22530.254	393.196	-1132.279	-11.5335	-14422.9576	4923.2595
f-p1	SLU-236	Min M3	-22663.514	356.833	-1132.787	-15.536	-14321.5009	4461.4507
f-p1	SLU-237	Max P	-20364.234	310.96	1139.18	12.2043	16584.6682	3907.9671

f-p1	SLU-237	Min P	-23337.457	304.059	1146.749	12.5913	12570.0961	3820.3345
f-p1	SLU-237	Max M2	-21142.345	307.738	1143.322	10.1881	17967.3523	3867.0524
f-p1	SLU-237	Min M2	-22678.428	304.92	1144.853	13.9141	11212.2291	3831.2618
f-p1	SLU-237	Max M3	-22102.722	320.938	1145.41	11.0477	14696.2532	4034.6908
f-p1	SLU-237	Min M3	-22266.869	289.737	1145.866	14.8977	14228.2155	3638.4466
f-p1	SLU-238	Max P	-20408.49	310.98	1148.042	9.9249	16715.6603	3908.2222
f-p1	SLU-238	Min P	-23386.498	307.329	1140.829	9.443	20459.9101	3861.8629
f-p1	SLU-238	Max M2	-22750.02	307.233	1143.088	7.9379	22017.4418	3860.6356
f-p1	SLU-238	Min M2	-21200.835	305.925	1144.083	11.8488	15256.6153	3844.0291
f-p1	SLU-238	Max M3	-22185.441	325.123	1142.572	10.8794	18683.323	4087.8442
f-p1	SLU-238	Min M3	-22318.702	288.76	1142.064	6.8769	18784.7796	3626.0355
f-p1	SLU-239	Max P	-20354.482	381.551	-1135.652	-10.3016	-16370.4403	4775.3658
f-p1	SLU-239	Min P	-23327.705	374.65	-1128.083	-9.9147	-20385.0124	4687.7332
f-p1	SLU-239	Max M2	-21132.593	378.329	-1131.51	-12.3179	-14987.7562	4734.4511
f-p1	SLU-239	Min M2	-22668.676	375.511	-1129.979	-8.5919	-21742.8794	4698.6605
f-p1	SLU-239	Max M3	-22092.97	391.529	-1129.422	-11.4583	-18258.8553	4902.0895
f-p1	SLU-239	Min M3	-22257.117	360.328	-1128.966	-7.6082	-18726.893	4505.8453
f-p1	SLU-240	Max P	-20398.738	381.571	-1126.79	-12.5811	-16239.4482	4775.6208
f-p1	SLU-240	Min P	-23376.746	377.92	-1134.003	-13.063	-12495.1984	4729.2616
f-p1	SLU-240	Max M2	-22740.268	377.824	-1131.744	-14.5681	-10937.6667	4728.0343
f-p1	SLU-240	Min M2	-21191.083	376.516	-1130.749	-10.6572	-17698.4932	4711.4278
f-p1	SLU-240	Max M3	-22175.689	395.714	-1132.26	-11.6265	-14271.7855	4955.2429
f-p1	SLU-240	Min M3	-22308.95	359.351	-1132.768	-15.6291	-14170.3288	4493.4342
f-p1	SLU-241	Max P	-20423.337	544.997	688.336	7.6625	9895.5309	6837.2302
f-p1	SLU-241	Min P	-23396.56	538.097	695.904	8.0494	5880.9588	6749.5976
f-p1	SLU-241	Max M2	-21201.448	541.775	692.478	5.6462	11278.215	6796.3156
f-p1	SLU-241	Min M2	-22737.531	538.957	694.008	9.3723	4523.0918	6760.5249
f-p1	SLU-241	Max M3	-22161.825	554.975	694.565	6.5059	8007.1159	6963.954
f-p1	SLU-241	Min M3	-22325.972	523.775	695.021	10.3559	7539.0782	6567.7098
f-p1	SLU-242	Max P	-20467.593	545.017	697.198	5.3831	10026.5231	6837.4853
f-p1	SLU-242	Min P	-23445.602	541.367	689.985	4.9012	13770.7729	6791.1261
f-p1	SLU-242	Max M2	-22809.123	541.27	692.244	3.3961	15328.3045	6789.8988
f-p1	SLU-242	Min M2	-21259.938	539.962	693.239	7.307	8567.478	6773.2922
f-p1	SLU-242	Max M3	-22244.545	559.16	691.727	6.3376	11994.1857	7017.1074
f-p1	SLU-242	Min M3	-22377.805	522.797	691.22	2.3351	12095.6424	6555.2987
f-p1	SLU-243	Max P	-20417.486	587.352	-676.564	-5.8411	-9877.5342	7357.6695
f-p1	SLU-243	Min P	-23390.709	580.451	-668.995	-5.4542	-13892.1063	7270.0369
f-p1	SLU-243	Max M2	-21195.597	584.13	-672.421	-7.8573	-8494.8501	7316.7548
f-p1	SLU-243	Min M2	-22731.68	581.312	-670.891	-4.1313	-15249.9732	7280.9642
f-p1	SLU-243	Max M3	-22155.974	597.33	-670.334	-6.9977	-11765.9492	7484.3932
f-p1	SLU-243	Min M3	-22320.121	566.129	-669.878	-3.1477	-12233.9869	7088.149
f-p1	SLU-244	Max P	-20461.742	587.372	-667.701	-8.1205	-9746.542	7357.9245
f-p1	SLU-244	Min P	-23439.75	583.721	-674.914	-8.6024	-6002.2922	7311.5653
f-p1	SLU-244	Max M2	-22803.272	583.624	-672.656	-10.1075	-4444.7606	7310.338
f-p1	SLU-244	Min M2	-21254.087	582.317	-671.66	-6.1966	-11205.5871	7293.7314
f-p1	SLU-244	Max M3	-22238.693	601.515	-673.172	-7.166	-7778.8794	7537.5466
f-p1	SLU-244	Min M3	-22371.954	565.152	-673.679	-11.1685	-7677.4227	7075.7379
f-p1	SLU-245	Max P	-20068.773	547.515	688.355	7.5695	10046.703	6869.2137
f-p1	SLU-245	Min P	-23041.996	540.615	695.923	7.9564	6032.1309	6781.5811
f-p1	SLU-245	Max M2	-20846.884	544.294	692.497	5.5532	11429.3871	6828.299
f-p1	SLU-245	Min M2	-22382.967	541.475	694.027	9.2792	4674.2639	6792.5084

f-p1	SLU-245	Max M3	-21807.261	557.493	694.584	6.4128	8158.288	6995.9374
f-p1	SLU-245	Min M3	-21971.408	526.293	695.04	10.2629	7690.2502	6599.6932
f-p1	SLU-246	Max P	-20113.029	547.535	697.217	5.29	10177.6951	6869.4688
f-p1	SLU-246	Min P	-23091.037	543.885	690.004	4.8081	13921.9449	6823.1096
f-p1	SLU-246	Max M2	-22454.559	543.788	692.263	3.303	15479.4765	6821.8822
f-p1	SLU-246	Min M2	-20905.374	542.481	693.258	7.2139	8718.6501	6805.2757
f-p1	SLU-246	Max M3	-21889.98	561.679	691.746	6.2445	12145.3577	7049.0908
f-p1	SLU-246	Min M3	-22023.241	525.316	691.239	2.242	12246.8144	6587.2821
f-p1	SLU-247	Max P	-20062.922	589.87	-676.545	-5.9341	-9726.3621	7389.6529
f-p1	SLU-247	Min P	-23036.144	582.97	-668.976	-5.5472	-13740.9342	7302.0203
f-p1	SLU-247	Max M2	-20841.033	586.648	-672.403	-7.9504	-8343.678	7348.7382
f-p1	SLU-247	Min M2	-22377.116	583.83	-670.872	-4.2244	-15098.8012	7312.9476
f-p1	SLU-247	Max M3	-21801.409	599.848	-670.315	-7.0908	-11614.7771	7516.3767
f-p1	SLU-247	Min M3	-21965.556	568.648	-669.859	-3.2407	-12082.8148	7120.1324
f-p1	SLU-248	Max P	-20107.177	589.89	-667.682	-8.2136	-9595.37	7389.908
f-p1	SLU-248	Min P	-23085.186	586.239	-674.895	-8.6955	-5851.1202	7343.5488
f-p1	SLU-248	Max M2	-22448.707	586.143	-672.637	-10.2006	-4293.5886	7342.3215
f-p1	SLU-248	Min M2	-20899.522	584.835	-671.642	-6.2897	-11054.415	7325.7149
f-p1	SLU-248	Max M3	-21884.129	604.033	-673.153	-7.259	-7627.7073	7569.5301
f-p1	SLU-248	Min M3	-22017.389	567.67	-673.661	-11.2616	-7526.2507	7107.7213
f-p1	SLU-249	Max P	-20791.932	549.545	688.494	7.606	9939.3933	6894.9908
f-p1	SLU-249	Min P	-23765.155	542.645	696.062	7.9929	5924.8212	6807.3582
f-p1	SLU-249	Max M2	-21570.043	546.323	692.636	5.5897	11322.0774	6854.0761
f-p1	SLU-249	Min M2	-23106.126	543.505	694.166	9.3158	4566.9542	6818.2855
f-p1	SLU-249	Max M3	-22530.42	559.523	694.723	6.4494	8050.9783	7021.7146
f-p1	SLU-249	Min M3	-22694.567	528.323	695.179	10.2994	7582.9406	6625.4703
f-p1	SLU-250	Max P	-20836.188	549.565	697.356	5.3266	10070.3854	6895.2459
f-p1	SLU-250	Min P	-23814.196	545.915	690.143	4.8447	13814.6352	6848.8867
f-p1	SLU-250	Max M2	-23177.718	545.818	692.402	3.3396	15372.1669	6847.6594
f-p1	SLU-250	Min M2	-21628.533	544.51	693.397	7.2505	8611.3404	6831.0528
f-p1	SLU-250	Max M3	-22613.139	563.708	691.885	6.2811	12038.0481	7074.868
f-p1	SLU-250	Min M3	-22746.4	527.346	691.378	2.2786	12139.5047	6613.0592
f-p1	SLU-251	Max P	-20786.081	591.9	-676.406	-5.8976	-9833.6718	7415.43
f-p1	SLU-251	Min P	-23759.303	584.999	-668.837	-5.5107	-13848.2439	7327.7974
f-p1	SLU-251	Max M2	-21564.192	588.678	-672.264	-7.9138	-8450.9877	7374.5153
f-p1	SLU-251	Min M2	-23100.275	585.86	-670.733	-4.1878	-15206.1109	7338.7247
f-p1	SLU-251	Max M3	-22524.568	601.878	-670.176	-7.0542	-11722.0868	7542.1538
f-p1	SLU-251	Min M3	-22688.715	570.677	-669.72	-3.2042	-12190.1245	7145.9096
f-p1	SLU-252	Max P	-20830.336	591.92	-667.543	-8.177	-9702.6797	7415.6851
f-p1	SLU-252	Min P	-23808.345	588.269	-674.756	-8.6589	-5958.4299	7369.3259
f-p1	SLU-252	Max M2	-23171.866	588.173	-672.498	-10.164	-4400.8982	7368.0986
f-p1	SLU-252	Min M2	-21622.682	586.865	-671.503	-6.2531	-11161.7247	7351.492
f-p1	SLU-252	Max M3	-22607.288	606.063	-673.014	-7.2225	-7735.017	7595.3072
f-p1	SLU-252	Min M3	-22740.548	569.7	-673.522	-11.225	-7633.5604	7133.4985
f-p1	SLU-253	Max P	-20437.368	552.063	688.512	7.513	10090.5654	6926.9743
f-p1	SLU-253	Min P	-23410.59	545.163	696.081	7.8999	6075.9933	6839.3417
f-p1	SLU-253	Max M2	-21215.479	548.842	692.655	5.4967	11473.2494	6886.0596
f-p1	SLU-253	Min M2	-22751.562	546.023	694.185	9.2227	4718.1263	6850.269
f-p1	SLU-253	Max M3	-22175.855	562.042	694.742	6.3563	8202.1504	7053.698
f-p1	SLU-253	Min M3	-22340.002	530.841	695.198	10.2064	7734.1126	6657.4538
f-p1	SLU-254	Max P	-20481.623	552.084	697.375	5.2335	10221.5575	6927.2293

f-p1	SLU-254	Min P	-23459.632	548.433	690.162	4.7516	13965.8073	6880.8701
f-p1	SLU-254	Max M2	-22823.153	548.336	692.42	3.2465	15523.3389	6879.6428
f-p1	SLU-254	Min M2	-21273.968	547.029	693.416	7.1574	8762.5125	6863.0363
f-p1	SLU-254	Max M3	-22258.575	566.227	691.904	6.188	12189.2201	7106.8514
f-p1	SLU-254	Min M3	-22391.835	529.864	691.397	2.1855	12290.6768	6645.0427
f-p1	SLU-255	Max P	-20431.516	594.418	-676.387	-5.9906	-9682.4997	7447.4135
f-p1	SLU-255	Min P	-23404.739	587.518	-668.818	-5.6037	-13697.0718	7359.7809
f-p1	SLU-255	Max M2	-21209.627	591.196	-672.245	-8.0069	-8299.8157	7406.4988
f-p1	SLU-255	Min M2	-22745.71	588.378	-670.714	-4.2809	-15054.9388	7370.7082
f-p1	SLU-255	Max M3	-22170.004	604.396	-670.157	-7.1473	-11570.9147	7574.1372
f-p1	SLU-255	Min M3	-22334.151	573.196	-669.701	-3.2972	-12038.9525	7177.893
f-p1	SLU-256	Max P	-20475.772	594.438	-667.524	-8.2701	-9551.5076	7447.6686
f-p1	SLU-256	Min P	-23453.78	590.788	-674.737	-8.752	-5807.2578	7401.3094
f-p1	SLU-256	Max M2	-22817.302	590.691	-672.479	-10.2571	-4249.7262	7400.082
f-p1	SLU-256	Min M2	-21268.117	589.383	-671.484	-6.3462	-11010.5526	7383.4755
f-p1	SLU-256	Max M3	-22252.723	608.581	-672.995	-7.3156	-7583.845	7627.2906
f-p1	SLU-256	Min M3	-22385.984	572.219	-673.503	-11.3181	-7482.3883	7165.4819

12.1.7. PILA 1-SOLLECITAZIONI FONDAZIONE-COMBINAZIONI SLV SISMICHE

TABLE: Element Forces - Frames								
Frame	OutputCase	StepType	P	V2	V3	T	M2	M3
Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
f-p1	Comb-Sx-slv	Max	-14648.184	1600.784	435.115	4.5866	5145.6771	16769.799
f-p1	Comb-Sx-slv	Min	-16136.882	-1590.549	-434.91	-4.7469	-5061.6297	-16639.79
f-p1	Comb-Sy-slv	Max	-14662.964	552.765	1353.087	10.8124	15776.534	5873.6774
f-p1	Comb-Sy-slv	Min	-16122.102	-542.53	-1352.881	-10.9727	-15692.486	-5743.672
f-p1	Comb-Sz-slv	Max	-13502.799	529.62	414.755	3.7151	4898.616	5623.6608
f-p1	Comb-Sz-slv	Min	-17282.267	-519.385	-414.55	-3.8754	-4814.5686	-5493.656

12.1.8. PILA 1-SOLLECITAZIONI FONDAZIONE-COMBINAZIONI SLE RARE

TABLE: Element Forces - Frames								
Frame	OutputCase	StepType	P	V2	V3	T	M2	M3
Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
f-p1	SLE-R-1	Max P	-15069.864	-230.615	444.289	6.2752	6438.9524	-2885.7862
f-p1	SLE-R-1	Min P	-19375.985	-240.75	455.105	7.4708	808.884	-3014.4991
f-p1	SLE-R-1	Max M2	-16232.599	-234.768	450.259	3.1511	8601.2312	-2938.5365
f-p1	SLE-R-1	Min M2	-18330.86	-238.928	451.353	9.91	-1328.8842	-2991.3643
f-p1	SLE-R-1	Max M3	-17385.724	-216.411	451.703	4.9712	3872.91	-2705.3954
f-p1	SLE-R-1	Min M3	-17719.779	-259.244	452.971	9.9104	3147.4739	-3249.3729
f-p1	SLE-R-2	Max P	-15128.563	-230.551	456.478	3.2972	6619.6482	-2884.9729
f-p1	SLE-R-2	Min P	-19462.231	-236.507	446.485	1.8129	11942.2551	-2960.614
f-p1	SLE-R-2	Max M2	-18461.457	-234.873	450.443	-0.7444	14301.7263	-2939.86
f-p1	SLE-R-2	Min M2	-16283.278	-237.272	450.84	6.2681	4357.4477	-2970.3397
f-p1	SLE-R-2	Max M3	-17508.604	-210.979	450.104	4.323	9345.2749	-2636.4064
f-p1	SLE-R-2	Min M3	-17782.589	-260.45	448.675	-0.8046	9505.5489	-3264.692
f-p1	SLE-R-3	Max P	-15065.963	-202.378	-465.644	-2.7272	-6743.091	-2538.8267
f-p1	SLE-R-3	Min P	-19372.085	-212.513	-454.828	-1.5316	-12373.1594	-2667.5396

f-p1	SLE-R-3	Max M2	-16228.698	-206.532	-459.674	-5.8513	-4580.8122	-2591.577
f-p1	SLE-R-3	Min M2	-18326.959	-210.692	-458.58	0.9076	-14510.9276	-2644.4048
f-p1	SLE-R-3	Max M3	-17381.823	-188.174	-458.23	-4.0312	-9309.1334	-2358.436
f-p1	SLE-R-3	Min M3	-17715.878	-231.007	-456.961	0.908	-10034.5695	-2902.4134
f-p1	SLE-R-4	Max P	-15124.662	-202.314	-453.455	-5.7052	-6562.3952	-2538.0135
f-p1	SLE-R-4	Min P	-19458.33	-208.271	-463.448	-7.1895	-1239.7883	-2613.6545
f-p1	SLE-R-4	Max M2	-18457.556	-206.636	-459.49	-9.7468	1119.683	-2592.9005
f-p1	SLE-R-4	Min M2	-16279.377	-209.036	-459.093	-2.7343	-8824.5957	-2623.3802
f-p1	SLE-R-4	Max M3	-17504.703	-182.742	-459.828	-4.6794	-3836.7685	-2289.4469
f-p1	SLE-R-4	Min M3	-17778.688	-232.214	-461.258	-9.807	-3676.4945	-2917.7326
f-p1	SLE-R-5	Max P	-14774.393	-228.516	444.305	6.1976	6564.9291	-2859.1333
f-p1	SLE-R-5	Min P	-19080.515	-238.651	455.12	7.3932	934.8607	-2987.8462
f-p1	SLE-R-5	Max M2	-15937.129	-232.67	450.275	3.0735	8727.208	-2911.8836
f-p1	SLE-R-5	Min M2	-18035.39	-236.829	451.369	9.8325	-1202.9074	-2964.7114
f-p1	SLE-R-5	Max M3	-17090.253	-214.312	451.719	4.8936	3998.8867	-2678.7425
f-p1	SLE-R-5	Min M3	-17424.309	-257.145	452.987	9.8329	3273.4506	-3222.72
f-p1	SLE-R-6	Max P	-14833.092	-228.452	456.494	3.2197	6745.625	-2858.3201
f-p1	SLE-R-6	Min P	-19166.76	-234.408	446.5	1.7353	12068.2318	-2933.9611
f-p1	SLE-R-6	Max M2	-18165.987	-232.774	450.459	-0.822	14427.7031	-2913.2071
f-p1	SLE-R-6	Min M2	-15987.808	-235.174	450.856	6.1906	4483.4244	-2943.6868
f-p1	SLE-R-6	Max M3	-17213.134	-208.88	450.12	4.2454	9471.2516	-2609.7535
f-p1	SLE-R-6	Min M3	-17487.119	-258.351	448.69	-0.8822	9631.5257	-3238.0392
f-p1	SLE-R-7	Max P	-14770.492	-200.28	-465.628	-2.8047	-6617.1143	-2512.1738
f-p1	SLE-R-7	Min P	-19076.614	-210.415	-454.812	-1.6092	-12247.1827	-2640.8867
f-p1	SLE-R-7	Max M2	-15933.228	-204.433	-459.658	-5.9288	-4454.8354	-2564.9242
f-p1	SLE-R-7	Min M2	-18031.489	-208.593	-458.564	0.8301	-14384.9508	-2617.752
f-p1	SLE-R-7	Max M3	-17086.353	-186.076	-458.214	-4.1088	-9183.1567	-2331.7831
f-p1	SLE-R-7	Min M3	-17420.408	-228.909	-456.946	0.8305	-9908.5928	-2875.7605
f-p1	SLE-R-8	Max P	-14829.191	-200.216	-453.439	-5.7827	-6436.4184	-2511.3606
f-p1	SLE-R-8	Min P	-19162.86	-206.172	-463.433	-7.2671	-1113.8116	-2587.0016
f-p1	SLE-R-8	Max M2	-18162.086	-204.538	-459.474	-9.8244	1245.6597	-2566.2476
f-p1	SLE-R-8	Min M2	-15983.907	-206.937	-459.077	-2.8118	-8698.619	-2596.7273
f-p1	SLE-R-8	Max M3	-17209.233	-180.644	-459.813	-4.7569	-3710.7918	-2262.794
f-p1	SLE-R-8	Min M3	-17483.218	-230.115	-461.242	-9.8846	-3550.5177	-2891.0797
f-p1	SLE-R-9	Max P	-15217.301	-228.795	444.352	6.2526	6456.4973	-2862.6819
f-p1	SLE-R-9	Min P	-19523.423	-238.931	455.168	7.4482	826.429	-2991.3949
f-p1	SLE-R-9	Max M2	-16380.037	-232.949	450.322	3.1285	8618.7762	-2915.4323
f-p1	SLE-R-9	Min M2	-18478.298	-237.109	451.416	9.8874	-1311.3392	-2968.2601
f-p1	SLE-R-9	Max M3	-17533.162	-214.592	451.766	4.9486	3890.455	-2682.2912
f-p1	SLE-R-9	Min M3	-17867.217	-257.424	453.035	9.8878	3165.0189	-3226.2686
f-p1	SLE-R-10	Max P	-15276	-228.731	456.541	3.2746	6637.1932	-2861.8687
f-p1	SLE-R-10	Min P	-19609.669	-234.688	446.548	1.7903	11959.8	-2937.5097
f-p1	SLE-R-10	Max M2	-18608.895	-233.053	450.506	-0.767	14319.2713	-2916.7558
f-p1	SLE-R-10	Min M2	-16430.716	-235.453	450.903	6.2455	4374.9927	-2947.2354
f-p1	SLE-R-10	Max M3	-17656.042	-209.159	450.168	4.3004	9362.8199	-2613.3022
f-p1	SLE-R-10	Min M3	-17930.027	-258.631	448.738	-0.8272	9523.0939	-3241.5878
f-p1	SLE-R-11	Max P	-15213.401	-200.559	-465.581	-2.7498	-6725.5461	-2515.7225
f-p1	SLE-R-11	Min P	-19519.522	-210.694	-454.765	-1.5542	-12355.6144	-2644.4354
f-p1	SLE-R-11	Max M2	-16376.136	-204.713	-459.611	-5.8739	-4563.2672	-2568.4728
f-p1	SLE-R-11	Min M2	-18474.397	-208.873	-458.517	0.885	-14493.3826	-2621.3006
f-p1	SLE-R-11	Max M3	-17529.261	-186.355	-458.167	-4.0538	-9291.5884	-2335.3317

f-p1	SLE-R-11	Min M3	-17863.316	-229.188	-456.898	0.8854	-10017.0245	-2879.3092
f-p1	SLE-R-12	Max P	-15272.099	-200.495	-453.392	-5.7278	-6544.8502	-2514.9092
f-p1	SLE-R-12	Min P	-19605.768	-206.451	-463.385	-7.2121	-1222.2434	-2590.5503
f-p1	SLE-R-12	Max M2	-18604.994	-204.817	-459.426	-9.7694	1137.2279	-2569.7963
f-p1	SLE-R-12	Min M2	-16426.815	-207.217	-459.03	-2.7569	-8807.0507	-2600.276
f-p1	SLE-R-12	Max M3	-17652.141	-180.923	-459.765	-4.702	-3819.2235	-2266.3427
f-p1	SLE-R-12	Min M3	-17926.126	-230.394	-461.195	-9.8296	-3658.9495	-2894.6283
f-p1	SLE-R-13	Max P	-14921.831	-226.697	444.368	6.175	6582.4741	-2836.0291
f-p1	SLE-R-13	Min P	-19227.953	-236.832	455.184	7.3706	952.4057	-2964.742
f-p1	SLE-R-13	Max M2	-16084.566	-230.85	450.338	3.0509	8744.7529	-2888.7794
f-p1	SLE-R-13	Min M2	-18182.828	-235.01	451.432	9.8099	-1185.3625	-2941.6072
f-p1	SLE-R-13	Max M3	-17237.691	-212.493	451.782	4.871	4016.4317	-2655.6383
f-p1	SLE-R-13	Min M3	-17571.747	-255.326	453.05	9.8103	3290.9956	-3199.6158
f-p1	SLE-R-14	Max P	-14980.53	-226.633	456.557	3.1971	6763.1699	-2835.2158
f-p1	SLE-R-14	Min P	-19314.198	-232.589	446.563	1.7127	12085.7767	-2910.8569
f-p1	SLE-R-14	Max M2	-18313.425	-230.955	450.522	-0.8446	14445.248	-2890.1029
f-p1	SLE-R-14	Min M2	-16135.246	-233.355	450.919	6.168	4500.9694	-2920.5826
f-p1	SLE-R-14	Max M3	-17360.572	-207.061	450.183	4.2228	9488.7966	-2586.6493
f-p1	SLE-R-14	Min M3	-17634.557	-256.532	448.754	-0.9048	9649.0706	-3214.9349
f-p1	SLE-R-15	Max P	-14917.93	-198.46	-465.565	-2.8273	-6599.5693	-2489.0696
f-p1	SLE-R-15	Min P	-19224.052	-208.596	-454.749	-1.6318	-12229.6377	-2617.7825
f-p1	SLE-R-15	Max M2	-16080.665	-202.614	-459.595	-5.9515	-4437.2905	-2541.8199
f-p1	SLE-R-15	Min M2	-18178.927	-206.774	-458.501	0.8075	-14367.4059	-2594.6477
f-p1	SLE-R-15	Max M3	-17233.79	-184.257	-458.151	-4.1314	-9165.6117	-2308.6788
f-p1	SLE-R-15	Min M3	-17567.846	-227.089	-456.882	0.8079	-9891.0478	-2852.6563
f-p1	SLE-R-16	Max P	-14976.629	-198.396	-453.376	-5.8053	-6418.8735	-2488.2564
f-p1	SLE-R-16	Min P	-19310.297	-204.353	-463.369	-7.2897	-1096.2666	-2563.8974
f-p1	SLE-R-16	Max M2	-18309.524	-202.718	-459.411	-9.847	1263.2046	-2543.1434
f-p1	SLE-R-16	Min M2	-16131.345	-205.118	-459.014	-2.8344	-8681.074	-2573.6231
f-p1	SLE-R-16	Max M3	-17356.671	-178.824	-459.749	-4.7795	-3693.2468	-2239.6898
f-p1	SLE-R-16	Min M3	-17630.656	-228.296	-461.179	-9.9072	-3532.9728	-2867.9754
f-p1	SLE-R-17	Max P	-15247.027	29.139	435.027	7.1173	6269.0742	413.0803
f-p1	SLE-R-17	Min P	-17449.414	24.027	440.634	7.4039	3295.3171	348.1673
f-p1	SLE-R-17	Max M2	-15823.405	26.752	438.095	5.6238	7293.2846	382.7732
f-p1	SLE-R-17	Min M2	-16961.245	24.665	439.229	8.3838	2289.4897	356.2616
f-p1	SLE-R-17	Max M3	-16534.795	36.53	439.642	6.2605	4870.2483	506.9498
f-p1	SLE-R-17	Min M3	-16656.386	13.418	439.98	9.1124	4523.5537	213.4355
f-p1	SLE-R-18	Max P	-15279.809	29.153	441.592	5.4288	6366.1054	413.2693
f-p1	SLE-R-18	Min P	-17485.741	26.449	436.249	5.0719	9139.6238	378.9291
f-p1	SLE-R-18	Max M2	-17014.276	26.378	437.922	3.957	10293.3509	378.02
f-p1	SLE-R-18	Min M2	-15866.731	25.409	438.659	6.8539	5285.3313	365.7188
f-p1	SLE-R-18	Max M3	-16596.069	39.63	437.54	6.1359	7823.6333	546.3227
f-p1	SLE-R-18	Min M3	-16694.781	12.695	437.164	3.1711	7898.7864	204.2421
f-p1	SLE-R-19	Max P	-15243.126	57.375	-474.906	-1.8851	-6912.9692	760.0398
f-p1	SLE-R-19	Min P	-17445.513	52.264	-469.299	-1.5985	-9886.7263	695.1268
f-p1	SLE-R-19	Max M2	-15819.505	54.989	-471.837	-3.3786	-5888.7588	729.7326
f-p1	SLE-R-19	Min M2	-16957.344	52.901	-470.704	-0.6186	-10892.5537	703.2211
f-p1	SLE-R-19	Max M3	-16530.895	64.766	-470.291	-2.7418	-8311.7951	853.9092
f-p1	SLE-R-19	Min M3	-16652.485	41.655	-469.953	0.11	-8658.4897	560.395
f-p1	SLE-R-20	Max P	-15275.908	57.39	-468.341	-3.5735	-6815.938	760.2288
f-p1	SLE-R-20	Min P	-17481.84	54.686	-473.684	-3.9305	-4042.4196	725.8886

f-p1	SLE-R-20	Max M2	-17010.375	54.614	-472.011	-5.0454	-2888.6925	724.9795
f-p1	SLE-R-20	Min M2	-15862.83	53.646	-471.274	-2.1484	-7896.7121	712.6783
f-p1	SLE-R-20	Max M3	-16592.168	67.866	-472.393	-2.8665	-5358.4101	893.2821
f-p1	SLE-R-20	Min M3	-16690.88	40.931	-472.769	-5.8313	-5283.257	551.2016
f-p1	SLE-R-21	Max P	-14951.557	31.237	435.043	7.0398	6395.0509	439.7332
f-p1	SLE-R-21	Min P	-17153.944	26.126	440.649	7.3264	3421.2938	374.8202
f-p1	SLE-R-21	Max M2	-15527.935	28.851	438.111	5.5462	7419.2614	409.426
f-p1	SLE-R-21	Min M2	-16665.774	26.763	439.245	8.3063	2415.4664	382.9145
f-p1	SLE-R-21	Max M3	-16239.325	38.628	439.657	6.183	4996.225	533.6027
f-p1	SLE-R-21	Min M3	-16360.916	15.517	439.995	9.0349	4649.5304	240.0884
f-p1	SLE-R-22	Max P	-14984.339	31.252	441.608	5.3513	6492.0821	439.9222
f-p1	SLE-R-22	Min P	-17190.271	28.548	436.265	4.9943	9265.6005	405.582
f-p1	SLE-R-22	Max M2	-16718.805	28.476	437.938	3.8794	10419.3276	404.6729
f-p1	SLE-R-22	Min M2	-15571.261	27.508	438.675	6.7764	5411.3081	392.3717
f-p1	SLE-R-22	Max M3	-16300.599	41.729	437.555	6.0583	7949.61	572.9755
f-p1	SLE-R-22	Min M3	-16399.31	14.793	437.179	3.0935	8024.7631	230.895
f-p1	SLE-R-23	Max P	-14947.656	59.474	-474.89	-1.9626	-6786.9925	786.6927
f-p1	SLE-R-23	Min P	-17150.043	54.362	-469.283	-1.676	-9760.7496	721.7797
f-p1	SLE-R-23	Max M2	-15524.034	57.087	-471.822	-3.4562	-5762.782	756.3855
f-p1	SLE-R-23	Min M2	-16661.873	55	-470.688	-0.6961	-10766.577	729.874
f-p1	SLE-R-23	Max M3	-16235.424	66.865	-470.275	-2.8194	-8185.8184	880.5621
f-p1	SLE-R-23	Min M3	-16357.015	43.753	-469.937	0.0325	-8532.513	587.0479
f-p1	SLE-R-24	Max P	-14980.438	59.489	-468.325	-3.6511	-6689.9613	786.8816
f-p1	SLE-R-24	Min P	-17186.37	56.784	-473.668	-4.0081	-3916.4429	752.5415
f-p1	SLE-R-24	Max M2	-16714.904	56.713	-471.995	-5.123	-2762.7158	751.6324
f-p1	SLE-R-24	Min M2	-15567.36	55.744	-471.258	-2.226	-7770.7353	739.3312
f-p1	SLE-R-24	Max M3	-16296.698	69.965	-472.378	-2.9441	-5232.4334	919.935
f-p1	SLE-R-24	Min M3	-16395.409	43.03	-472.753	-5.9089	-5157.2803	577.8545
f-p1	SLE-R-25	Max P	-15394.465	30.958	435.09	7.0947	6286.6192	436.1846
f-p1	SLE-R-25	Min P	-17596.852	25.846	440.697	7.3813	3312.8621	371.2715
f-p1	SLE-R-25	Max M2	-15970.843	28.571	438.159	5.6012	7310.8296	405.8774
f-p1	SLE-R-25	Min M2	-17108.683	26.484	439.292	8.3612	2307.0347	379.3658
f-p1	SLE-R-25	Max M3	-16682.233	38.349	439.705	6.2379	4887.7933	530.054
f-p1	SLE-R-25	Min M3	-16803.824	15.238	440.043	9.0898	4541.0986	236.5398
f-p1	SLE-R-26	Max P	-15427.247	30.973	441.655	5.4062	6383.6504	436.3735
f-p1	SLE-R-26	Min P	-17633.179	28.269	436.312	5.0493	9157.1687	402.0334
f-p1	SLE-R-26	Max M2	-17161.713	28.197	437.985	3.9344	10310.8959	401.1242
f-p1	SLE-R-26	Min M2	-16014.169	27.229	438.722	6.8313	5302.8763	388.8231
f-p1	SLE-R-26	Max M3	-16743.507	41.449	437.603	6.1133	7841.1783	569.4269
f-p1	SLE-R-26	Min M3	-16842.219	14.514	437.227	3.1484	7916.3313	227.3464
f-p1	SLE-R-27	Max P	-15390.564	59.194	-474.842	-1.9077	-6895.4242	783.144
f-p1	SLE-R-27	Min P	-17592.951	54.083	-469.236	-1.6211	-9869.1813	718.231
f-p1	SLE-R-27	Max M2	-15966.942	56.808	-471.774	-3.4012	-5871.2138	752.8369
f-p1	SLE-R-27	Min M2	-17104.782	54.72	-470.64	-0.6412	-10875.0087	726.3253
f-p1	SLE-R-27	Max M3	-16678.332	66.585	-470.228	-2.7644	-8294.2501	877.0135
f-p1	SLE-R-27	Min M3	-16799.923	43.474	-469.89	0.0874	-8640.9448	583.4992
f-p1	SLE-R-28	Max P	-15423.346	59.209	-468.278	-3.5962	-6798.393	783.333
f-p1	SLE-R-28	Min P	-17629.278	56.505	-473.621	-3.9531	-4024.8746	748.9928
f-p1	SLE-R-28	Max M2	-17157.812	56.433	-471.948	-5.068	-2871.1475	748.0837
f-p1	SLE-R-28	Min M2	-16010.268	55.465	-471.211	-2.171	-7879.1671	735.7825
f-p1	SLE-R-28	Max M3	-16739.606	69.686	-472.33	-2.8891	-5340.8651	916.3864

f-p1	SLE-R-28	Min M3	-16838.318	42.75	-472.706	-5.8539	-5265.7121	574.3058
f-p1	SLE-R-29	Max P	-15098.994	33.056	435.106	7.0172	6412.5959	462.8374
f-p1	SLE-R-29	Min P	-17301.382	27.945	440.713	7.3038	3438.8388	397.9244
f-p1	SLE-R-29	Max M2	-15675.373	30.67	438.174	5.5236	7436.8063	432.5303
f-p1	SLE-R-29	Min M2	-16813.212	28.582	439.308	8.2837	2433.0114	406.0187
f-p1	SLE-R-29	Max M3	-16386.763	40.448	439.721	6.1604	5013.77	556.7069
f-p1	SLE-R-29	Min M3	-16508.353	17.336	440.058	9.0123	4667.0753	263.1927
f-p1	SLE-R-30	Max P	-15131.776	33.071	441.671	5.3287	6509.6271	463.0264
f-p1	SLE-R-30	Min P	-17337.709	30.367	436.328	4.9717	9283.1455	428.6862
f-p1	SLE-R-30	Max M2	-16866.243	30.296	438.001	3.8568	10436.8726	427.7771
f-p1	SLE-R-30	Min M2	-15718.699	29.327	438.738	6.7538	5428.853	415.476
f-p1	SLE-R-30	Max M3	-16448.037	43.548	437.618	6.0357	7967.155	596.0798
f-p1	SLE-R-30	Min M3	-16546.748	16.612	437.242	3.0709	8042.3081	253.9992
f-p1	SLE-R-31	Max P	-15095.094	61.293	-474.827	-1.9852	-6769.4475	809.7969
f-p1	SLE-R-31	Min P	-17297.481	56.181	-469.22	-1.6986	-9743.2046	744.8839
f-p1	SLE-R-31	Max M2	-15671.472	58.906	-471.758	-3.4788	-5745.2371	779.4897
f-p1	SLE-R-31	Min M2	-16809.311	56.819	-470.625	-0.7187	-10749.032	752.9782
f-p1	SLE-R-31	Max M3	-16382.862	68.684	-470.212	-2.842	-8168.2734	903.6664
f-p1	SLE-R-31	Min M3	-16504.453	45.573	-469.874	0.0099	-8514.9681	610.1521
f-p1	SLE-R-32	Max P	-15127.875	61.308	-468.262	-3.6737	-6672.4163	809.9859
f-p1	SLE-R-32	Min P	-17333.808	58.604	-473.605	-4.0307	-3898.8979	775.6457
f-p1	SLE-R-32	Max M2	-16862.342	58.532	-471.932	-5.1456	-2745.1708	774.7366
f-p1	SLE-R-32	Min M2	-15714.798	57.564	-471.195	-2.2486	-7753.1904	762.4354
f-p1	SLE-R-32	Max M3	-16444.136	71.784	-472.314	-2.9667	-5214.8884	943.0393
f-p1	SLE-R-32	Min M3	-16542.847	44.849	-472.69	-5.9315	-5139.7353	600.9587
f-p1	SLE-R-33	Max P	-15248.551	-495.563	459.596	3.9928	6643.1171	-6250.6265
f-p1	SLE-R-33	Min P	-17450.938	-500.674	465.203	4.2794	3669.36	-6315.5396
f-p1	SLE-R-33	Max M2	-15824.929	-497.949	462.665	2.4992	7667.3275	-6280.9337
f-p1	SLE-R-33	Min M2	-16962.768	-500.037	463.798	5.2593	2663.5326	-6307.4453
f-p1	SLE-R-33	Max M3	-16536.319	-488.172	464.211	3.136	5244.2912	-6156.7571
f-p1	SLE-R-33	Min M3	-16657.91	-511.283	464.549	5.9879	4897.5965	-6450.2713
f-p1	SLE-R-34	Max P	-15281.333	-495.548	466.161	2.3043	6740.1483	-6250.4376
f-p1	SLE-R-34	Min P	-17487.265	-498.252	460.818	1.9473	9513.6667	-6284.7777
f-p1	SLE-R-34	Max M2	-17015.799	-498.324	462.491	0.8324	10667.3938	-6285.6869
f-p1	SLE-R-34	Min M2	-15868.255	-499.292	463.228	3.7294	5659.3742	-6297.988
f-p1	SLE-R-34	Max M3	-16597.593	-485.071	462.109	3.0113	8197.6762	-6117.3842
f-p1	SLE-R-34	Min M3	-16696.304	-512.007	461.733	0.0465	8272.8293	-6459.4647
f-p1	SLE-R-35	Max P	-15244.65	-467.326	-450.337	-5.0096	-6538.9263	-5903.6671
f-p1	SLE-R-35	Min P	-17447.037	-472.438	-444.73	-4.723	-9512.6834	-5968.5801
f-p1	SLE-R-35	Max M2	-15821.028	-469.713	-447.268	-6.5032	-5514.7159	-5933.9742
f-p1	SLE-R-35	Min M2	-16958.868	-471.8	-446.135	-3.7431	-10518.5108	-5960.4858
f-p1	SLE-R-35	Max M3	-16532.418	-459.935	-445.722	-5.8664	-7937.7522	-5809.7976
f-p1	SLE-R-35	Min M3	-16654.009	-483.047	-445.384	-3.0145	-8284.4469	-6103.3119
f-p1	SLE-R-36	Max P	-15277.432	-467.311	-443.772	-6.6981	-6441.8951	-5903.4781
f-p1	SLE-R-36	Min P	-17483.364	-470.016	-449.115	-7.0551	-3668.3767	-5937.8183
f-p1	SLE-R-36	Max M2	-17011.898	-470.087	-447.442	-8.17	-2514.6496	-5938.7274
f-p1	SLE-R-36	Min M2	-15864.354	-471.056	-446.705	-5.273	-7522.6692	-5951.0286
f-p1	SLE-R-36	Max M3	-16593.692	-456.835	-447.824	-5.9911	-4984.3672	-5770.4247
f-p1	SLE-R-36	Min M3	-16692.404	-483.77	-448.2	-8.9559	-4909.2141	-6112.5053
f-p1	SLE-R-37	Max P	-14953.08	-493.464	459.612	3.9152	6769.0938	-6223.9737
f-p1	SLE-R-37	Min P	-17155.467	-498.575	465.219	4.2018	3795.3367	-6288.8867

f-p1	SLE-R-37	Max M2	-15529.459	-495.85	462.68	2.4217	7793.3042	-6254.2808
f-p1	SLE-R-37	Min M2	-16667.298	-497.938	463.814	5.1817	2789.5093	-6280.7924
f-p1	SLE-R-37	Max M3	-16240.849	-486.073	464.227	3.0584	5370.2679	-6130.1042
f-p1	SLE-R-37	Min M3	-16362.439	-509.184	464.564	5.9103	5023.5733	-6423.6184
f-p1	SLE-R-38	Max P	-14985.862	-493.449	466.177	2.2267	6866.125	-6223.7847
f-p1	SLE-R-38	Min P	-17191.794	-496.153	460.834	1.8698	9639.6434	-6258.1249
f-p1	SLE-R-38	Max M2	-16720.329	-496.225	462.507	0.7549	10793.3705	-6259.034
f-p1	SLE-R-38	Min M2	-15572.785	-497.193	463.244	3.6518	5785.3509	-6271.3352
f-p1	SLE-R-38	Max M3	-16302.123	-482.973	462.124	2.9338	8323.6529	-6090.7313
f-p1	SLE-R-38	Min M3	-16400.834	-509.908	461.748	-0.031	8398.806	-6432.8119
f-p1	SLE-R-39	Max P	-14949.179	-465.228	-450.321	-5.0872	-6412.9496	-5877.0142
f-p1	SLE-R-39	Min P	-17151.567	-470.339	-444.714	-4.8006	-9386.7067	-5941.9272
f-p1	SLE-R-39	Max M2	-15525.558	-467.614	-447.253	-6.5807	-5388.7392	-5907.3214
f-p1	SLE-R-39	Min M2	-16663.397	-469.702	-446.119	-3.8207	-10392.5341	-5933.8329
f-p1	SLE-R-39	Max M3	-16236.948	-457.836	-445.706	-5.9439	-7811.7755	-5783.1447
f-p1	SLE-R-39	Min M3	-16358.538	-480.948	-445.368	-3.0921	-8158.4701	-6076.659
f-p1	SLE-R-40	Max P	-14981.961	-465.213	-443.756	-6.7756	-6315.9184	-5876.8252
f-p1	SLE-R-40	Min P	-17187.894	-467.917	-449.099	-7.1326	-3542.4	-5911.1654
f-p1	SLE-R-40	Max M2	-16716.428	-467.988	-447.426	-8.2475	-2388.6729	-5912.0745
f-p1	SLE-R-40	Min M2	-15568.884	-468.957	-446.689	-5.3505	-7396.6925	-5924.3757
f-p1	SLE-R-40	Max M3	-16298.222	-454.736	-447.808	-6.0686	-4858.3905	-5743.7718
f-p1	SLE-R-40	Min M3	-16396.933	-481.672	-448.184	-9.0334	-4783.2374	-6085.8524
f-p1	SLE-R-41	Max P	-15395.989	-493.744	459.659	3.9702	6660.662	-6227.5223
f-p1	SLE-R-41	Min P	-17598.376	-498.855	465.266	4.2568	3686.9049	-6292.4353
f-p1	SLE-R-41	Max M2	-15972.367	-496.13	462.728	2.4766	7684.8725	-6257.8295
f-p1	SLE-R-41	Min M2	-17110.206	-498.218	463.861	5.2367	2681.0775	-6284.341
f-p1	SLE-R-41	Max M3	-16683.757	-486.352	464.274	3.1134	5261.8361	-6133.6529
f-p1	SLE-R-41	Min M3	-16805.347	-509.464	464.612	5.9653	4915.1415	-6427.1671
f-p1	SLE-R-42	Max P	-15428.77	-493.729	466.224	2.2817	6757.6932	-6227.3334
f-p1	SLE-R-42	Min P	-17634.703	-496.433	460.881	1.9247	9531.2116	-6261.6735
f-p1	SLE-R-42	Max M2	-17163.237	-496.504	462.554	0.8098	10684.9387	-6262.5826
f-p1	SLE-R-42	Min M2	-16015.693	-497.473	463.291	3.7068	5676.9192	-6274.8838
f-p1	SLE-R-42	Max M3	-16745.031	-483.252	462.172	2.9887	8215.2211	-6094.28
f-p1	SLE-R-42	Min M3	-16843.742	-510.188	461.796	0.0239	8290.3742	-6436.3605
f-p1	SLE-R-43	Max P	-15392.088	-465.507	-450.273	-5.0322	-6521.3814	-5880.5628
f-p1	SLE-R-43	Min P	-17594.475	-470.619	-444.667	-4.7456	-9495.1385	-5945.4759
f-p1	SLE-R-43	Max M2	-15968.466	-467.894	-447.205	-6.5258	-5497.1709	-5910.87
f-p1	SLE-R-43	Min M2	-17106.305	-469.981	-446.071	-3.7657	-10500.9659	-5937.3816
f-p1	SLE-R-43	Max M3	-16679.856	-458.116	-445.659	-5.889	-7920.2073	-5786.6934
f-p1	SLE-R-43	Min M3	-16801.447	-481.227	-445.321	-3.0371	-8266.9019	-6080.2076
f-p1	SLE-R-44	Max P	-15424.87	-465.492	-443.709	-6.7207	-6424.3502	-5880.3739
f-p1	SLE-R-44	Min P	-17630.802	-468.196	-449.052	-7.0777	-3650.8318	-5914.714
f-p1	SLE-R-44	Max M2	-17159.336	-468.268	-447.379	-8.1926	-2497.1047	-5915.6232
f-p1	SLE-R-44	Min M2	-16011.792	-469.236	-446.641	-5.2956	-7505.1242	-5927.9243
f-p1	SLE-R-44	Max M3	-16741.13	-455.016	-447.761	-6.0137	-4966.8223	-5747.3205
f-p1	SLE-R-44	Min M3	-16839.841	-481.951	-448.137	-8.9785	-4891.6692	-6089.401
f-p1	SLE-R-45	Max P	-15100.518	-491.645	459.675	3.8926	6786.6388	-6200.8694
f-p1	SLE-R-45	Min P	-17302.905	-496.756	465.282	4.1792	3812.8817	-6265.7825
f-p1	SLE-R-45	Max M2	-15676.897	-494.031	462.743	2.3991	7810.8492	-6231.1766
f-p1	SLE-R-45	Min M2	-16814.736	-496.119	463.877	5.1591	2807.0543	-6257.6882
f-p1	SLE-R-45	Max M3	-16388.287	-484.254	464.29	3.0358	5387.8128	-6107

f-p1	SLE-R-45	Min M3	-16509.877	-507.365	464.628	5.8877	5041.1182	-6400.5142
f-p1	SLE-R-46	Max P	-15133.3	-491.63	466.24	2.2041	6883.67	-6200.6805
f-p1	SLE-R-46	Min P	-17339.232	-494.334	460.897	1.8472	9657.1883	-6235.0206
f-p1	SLE-R-46	Max M2	-16867.767	-494.406	462.57	0.7323	10810.9155	-6235.9298
f-p1	SLE-R-46	Min M2	-15720.222	-495.374	463.307	3.6292	5802.8959	-6248.2309
f-p1	SLE-R-46	Max M3	-16449.56	-481.153	462.188	2.9112	8341.1978	-6067.6271
f-p1	SLE-R-46	Min M3	-16548.272	-508.089	461.812	-0.0537	8416.3509	-6409.7076
f-p1	SLE-R-47	Max P	-15096.617	-463.408	-450.258	-5.1098	-6395.4046	-5853.9099
f-p1	SLE-R-47	Min P	-17299.004	-468.52	-444.651	-4.8232	-9369.1617	-5918.823
f-p1	SLE-R-47	Max M2	-15672.996	-465.795	-447.189	-6.6033	-5371.1942	-5884.2171
f-p1	SLE-R-47	Min M2	-16810.835	-467.882	-446.056	-3.8433	-10374.9891	-5910.7287
f-p1	SLE-R-47	Max M3	-16384.386	-456.017	-445.643	-5.9665	-7794.2306	-5760.0405
f-p1	SLE-R-47	Min M3	-16505.976	-479.129	-445.305	-3.1147	-8140.9252	-6053.5547
f-p1	SLE-R-48	Max P	-15129.399	-463.394	-443.693	-6.7983	-6298.3734	-5853.721
f-p1	SLE-R-48	Min P	-17335.331	-466.098	-449.036	-7.1552	-3524.8551	-5888.0612
f-p1	SLE-R-48	Max M2	-16863.866	-466.169	-447.363	-8.2701	-2371.1279	-5888.9703
f-p1	SLE-R-48	Min M2	-15716.322	-467.138	-446.626	-5.3731	-7379.1475	-5901.2714
f-p1	SLE-R-48	Max M3	-16445.66	-452.917	-447.745	-6.0912	-4840.8456	-5720.6676
f-p1	SLE-R-48	Min M3	-16544.371	-479.853	-448.121	-9.056	-4765.6925	-6062.7482
f-p1	SLE-R-49	Max P	-15248.362	-235.303	545.755	-8.0642	7969.8582	-2945.323
f-p1	SLE-R-49	Min P	-17450.749	-240.414	551.362	-7.7776	4996.1011	-3010.236
f-p1	SLE-R-49	Max M2	-15824.74	-237.689	548.823	-9.5577	8994.0687	-2975.6302
f-p1	SLE-R-49	Min M2	-16962.579	-239.777	549.957	-6.7977	3990.2737	-3002.1417
f-p1	SLE-R-49	Max M3	-16536.13	-227.911	550.37	-8.921	6571.0323	-2851.4535
f-p1	SLE-R-49	Min M3	-16657.721	-251.023	550.707	-6.0691	6224.3377	-3144.9678
f-p1	SLE-R-50	Max P	-15281.144	-235.288	552.32	-9.7527	8066.8894	-2945.134
f-p1	SLE-R-50	Min P	-17487.076	-237.992	546.977	-10.1096	10840.4078	-2979.4742
f-p1	SLE-R-50	Max M2	-17015.61	-238.063	548.65	-11.2246	11994.1349	-2980.3833
f-p1	SLE-R-50	Min M2	-15868.066	-239.032	549.387	-8.3276	6986.1154	-2992.6845
f-p1	SLE-R-50	Max M3	-16597.404	-224.811	548.267	-9.0456	9524.4173	-2812.0806
f-p1	SLE-R-50	Min M3	-16696.115	-251.747	547.891	-12.0105	9599.5704	-3154.1612
f-p1	SLE-R-51	Max P	-15244.461	-207.066	-364.178	-17.0666	-5212.1852	-2598.3635
f-p1	SLE-R-51	Min P	-17446.848	-212.178	-358.571	-16.78	-8185.9423	-2663.2765
f-p1	SLE-R-51	Max M2	-15820.839	-209.453	-361.11	-18.5601	-4187.9747	-2628.6707
f-p1	SLE-R-51	Min M2	-16958.678	-211.54	-359.976	-15.8001	-9191.7697	-2655.1822
f-p1	SLE-R-51	Max M3	-16532.229	-199.675	-359.563	-17.9234	-6611.0111	-2504.4941
f-p1	SLE-R-51	Min M3	-16653.82	-222.786	-359.225	-15.0715	-6957.7057	-2798.0083
f-p1	SLE-R-52	Max P	-15277.243	-207.051	-357.613	-18.7551	-5115.1539	-2598.1746
f-p1	SLE-R-52	Min P	-17483.175	-209.755	-362.956	-19.112	-2341.6356	-2632.5147
f-p1	SLE-R-52	Max M2	-17011.709	-209.827	-361.283	-20.2269	-1187.9085	-2633.4238
f-p1	SLE-R-52	Min M2	-15864.165	-210.796	-360.546	-17.33	-6195.928	-2645.725
f-p1	SLE-R-52	Max M3	-16593.503	-196.575	-361.665	-18.048	-3657.6261	-2465.1212
f-p1	SLE-R-52	Min M3	-16692.214	-223.51	-362.041	-21.0129	-3582.473	-2807.2017
f-p1	SLE-R-53	Max P	-14952.891	-233.204	545.771	-8.1418	8095.835	-2918.6701
f-p1	SLE-R-53	Min P	-17155.278	-238.315	551.377	-7.8552	5122.0779	-2983.5831
f-p1	SLE-R-53	Max M2	-15529.27	-235.59	548.839	-9.6353	9120.0454	-2948.9773
f-p1	SLE-R-53	Min M2	-16667.109	-237.678	549.973	-6.8753	4116.2505	-2975.4888
f-p1	SLE-R-53	Max M3	-16240.66	-225.813	550.385	-8.9985	6697.009	-2824.8007
f-p1	SLE-R-53	Min M3	-16362.25	-248.924	550.723	-6.1466	6350.3144	-3118.3149
f-p1	SLE-R-54	Max P	-14985.673	-233.189	552.335	-9.8302	8192.8662	-2918.4812
f-p1	SLE-R-54	Min P	-17191.605	-235.893	546.993	-10.1872	10966.3845	-2952.8213

f-p1	SLE-R-54	Max M2	-16720.14	-235.965	548.666	-11.3021	12120.1117	-2953.7304
f-p1	SLE-R-54	Min M2	-15572.596	-236.933	549.403	-8.4051	7112.0921	-2966.0316
f-p1	SLE-R-54	Max M3	-16301.934	-222.713	548.283	-9.1232	9650.394	-2785.4278
f-p1	SLE-R-54	Min M3	-16400.645	-249.648	547.907	-12.088	9725.5471	-3127.5083
f-p1	SLE-R-55	Max P	-14948.99	-204.968	-364.162	-17.1441	-5086.2084	-2571.7106
f-p1	SLE-R-55	Min P	-17151.377	-210.079	-358.556	-16.8576	-8059.9655	-2636.6237
f-p1	SLE-R-55	Max M2	-15525.369	-207.354	-361.094	-18.6377	-4061.998	-2602.0178
f-p1	SLE-R-55	Min M2	-16663.208	-209.442	-359.96	-15.8777	-9065.7929	-2628.5294
f-p1	SLE-R-55	Max M3	-16236.759	-197.576	-359.547	-18.0009	-6485.0344	-2477.8412
f-p1	SLE-R-55	Min M3	-16358.349	-220.688	-359.21	-15.149	-6831.729	-2771.3554
f-p1	SLE-R-56	Max P	-14981.772	-204.953	-357.597	-18.8326	-4989.1772	-2571.5217
f-p1	SLE-R-56	Min P	-17187.704	-207.657	-362.94	-19.1896	-2215.6589	-2605.8618
f-p1	SLE-R-56	Max M2	-16716.239	-207.728	-361.267	-20.3045	-1061.9317	-2606.771
f-p1	SLE-R-56	Min M2	-15568.695	-208.697	-360.53	-17.4075	-6069.9513	-2619.0721
f-p1	SLE-R-56	Max M3	-16298.033	-194.476	-361.65	-18.1256	-3531.6494	-2438.4683
f-p1	SLE-R-56	Min M3	-16396.744	-221.412	-362.026	-21.0904	-3456.4963	-2780.5488
f-p1	SLE-R-57	Max P	-15395.799	-233.483	545.818	-8.0868	7987.4032	-2922.2187
f-p1	SLE-R-57	Min P	-17598.187	-238.595	551.425	-7.8002	5013.6461	-2987.1318
f-p1	SLE-R-57	Max M2	-15972.178	-235.87	548.886	-9.5803	9011.6136	-2952.5259
f-p1	SLE-R-57	Min M2	-17110.017	-237.957	550.02	-6.8203	4007.8187	-2979.0375
f-p1	SLE-R-57	Max M3	-16683.568	-226.092	550.433	-8.9436	6588.5773	-2828.3493
f-p1	SLE-R-57	Min M3	-16805.158	-249.204	550.771	-6.0917	6241.8827	-3121.8635
f-p1	SLE-R-58	Max P	-15428.581	-233.469	552.383	-9.7753	8084.4344	-2922.0298
f-p1	SLE-R-58	Min P	-17634.514	-236.173	547.04	-10.1322	10857.9528	-2956.37
f-p1	SLE-R-58	Max M2	-17163.048	-236.244	548.713	-11.2472	12011.6799	-2957.2791
f-p1	SLE-R-58	Min M2	-16015.504	-237.213	549.45	-8.3502	7003.6603	-2969.5802
f-p1	SLE-R-58	Max M3	-16744.842	-222.992	548.331	-9.0682	9541.9623	-2788.9764
f-p1	SLE-R-58	Min M3	-16843.553	-249.927	547.955	-12.0331	9617.1154	-3131.057
f-p1	SLE-R-59	Max P	-15391.899	-205.247	-364.115	-17.0892	-5194.6402	-2575.2593
f-p1	SLE-R-59	Min P	-17594.286	-210.358	-358.508	-16.8026	-8168.3973	-2640.1723
f-p1	SLE-R-59	Max M2	-15968.277	-207.633	-361.046	-18.5827	-4170.4298	-2605.5664
f-p1	SLE-R-59	Min M2	-17106.116	-209.721	-359.913	-15.8227	-9174.2247	-2632.078
f-p1	SLE-R-59	Max M3	-16679.667	-197.856	-359.5	-17.946	-6593.4661	-2481.3898
f-p1	SLE-R-59	Min M3	-16801.258	-220.967	-359.162	-15.0941	-6940.1607	-2774.9041
f-p1	SLE-R-60	Max P	-15424.68	-205.232	-357.55	-18.7777	-5097.609	-2575.0703
f-p1	SLE-R-60	Min P	-17630.613	-207.936	-362.893	-19.1346	-2324.0906	-2609.4105
f-p1	SLE-R-60	Max M2	-17159.147	-208.008	-361.22	-20.2495	-1170.3635	-2610.3196
f-p1	SLE-R-60	Min M2	-16011.603	-208.976	-360.483	-17.3526	-6178.3831	-2622.6208
f-p1	SLE-R-60	Max M3	-16740.941	-194.756	-361.602	-18.0706	-3640.0811	-2442.0169
f-p1	SLE-R-60	Min M3	-16839.652	-221.691	-361.978	-21.0355	-3564.928	-2784.0975
f-p1	SLE-R-61	Max P	-15100.329	-231.385	545.834	-8.1644	8113.3799	-2895.5659
f-p1	SLE-R-61	Min P	-17302.716	-236.496	551.44	-7.8778	5139.6228	-2960.4789
f-p1	SLE-R-61	Max M2	-15676.708	-233.771	548.902	-9.6579	9137.5903	-2925.873
f-p1	SLE-R-61	Min M2	-16814.547	-235.859	550.036	-6.8979	4133.7954	-2952.3846
f-p1	SLE-R-61	Max M3	-16388.098	-223.994	550.448	-9.0211	6714.554	-2801.6964
f-p1	SLE-R-61	Min M3	-16509.688	-247.105	550.786	-6.1693	6367.8594	-3095.2107
f-p1	SLE-R-62	Max P	-15133.111	-231.37	552.399	-9.8528	8210.4111	-2895.3769
f-p1	SLE-R-62	Min P	-17339.043	-234.074	547.056	-10.2098	10983.9295	-2929.7171
f-p1	SLE-R-62	Max M2	-16867.578	-234.145	548.729	-11.3247	12137.6566	-2930.6262
f-p1	SLE-R-62	Min M2	-15720.033	-235.114	549.466	-8.4277	7129.637	-2942.9274
f-p1	SLE-R-62	Max M3	-16449.371	-220.893	548.346	-9.1458	9667.939	-2762.3235

f-p1	SLE-R-62	Min M3	-16548.083	-247.829	547.97	-12.1106	9743.0921	-3104.4041
f-p1	SLE-R-63	Max P	-15096.428	-203.148	-364.099	-17.1668	-5068.6635	-2548.6064
f-p1	SLE-R-63	Min P	-17298.815	-208.26	-358.492	-16.8802	-8042.4206	-2613.5194
f-p1	SLE-R-63	Max M2	-15672.807	-205.535	-361.031	-18.6603	-4044.4531	-2578.9136
f-p1	SLE-R-63	Min M2	-16810.646	-207.622	-359.897	-15.9003	-9048.248	-2605.4251
f-p1	SLE-R-63	Max M3	-16384.197	-195.757	-359.484	-18.0235	-6467.4894	-2454.737
f-p1	SLE-R-63	Min M3	-16505.787	-218.868	-359.146	-15.1716	-6814.184	-2748.2512
f-p1	SLE-R-64	Max P	-15129.21	-203.133	-357.534	-18.8552	-4971.6323	-2548.4174
f-p1	SLE-R-64	Min P	-17335.142	-205.838	-362.877	-19.2122	-2198.1139	-2582.7576
f-p1	SLE-R-64	Max M2	-16863.677	-205.909	-361.204	-20.3271	-1044.3868	-2583.6667
f-p1	SLE-R-64	Min M2	-15716.132	-206.878	-360.467	-17.4301	-6052.4064	-2595.9679
f-p1	SLE-R-64	Max M3	-16445.471	-192.657	-361.587	-18.1482	-3514.1044	-2415.3641
f-p1	SLE-R-64	Min M3	-16544.182	-219.592	-361.962	-21.113	-3438.9513	-2757.4446
f-p1	SLE-R-65	Max P	-15247.713	-231.876	459.733	-3.6648	6634.2824	-2901.8043
f-p1	SLE-R-65	Min P	-17450.1	-236.987	465.339	-3.3782	3660.5253	-2966.7173
f-p1	SLE-R-65	Max M2	-15824.091	-234.262	462.801	-5.1583	7658.4928	-2932.1115
f-p1	SLE-R-65	Min M2	-16961.93	-236.35	463.935	-2.3983	2654.6979	-2958.623
f-p1	SLE-R-65	Max M3	-16535.481	-224.485	464.347	-4.5215	5235.4565	-2807.9348
f-p1	SLE-R-65	Min M3	-16657.072	-247.596	464.685	-1.6696	4888.7618	-3101.4491
f-p1	SLE-R-66	Max P	-15280.495	-231.861	466.297	-5.3532	6731.3136	-2901.6153
f-p1	SLE-R-66	Min P	-17486.427	-234.565	460.954	-5.7102	9504.8319	-2935.9555
f-p1	SLE-R-66	Max M2	-17014.961	-234.637	462.627	-6.8251	10658.5591	-2936.8646
f-p1	SLE-R-66	Min M2	-15867.417	-235.605	463.365	-3.9281	5650.5395	-2949.1658
f-p1	SLE-R-66	Max M3	-16596.755	-221.385	462.245	-4.6462	8188.8414	-2768.5619
f-p1	SLE-R-66	Min M3	-16695.466	-248.32	461.869	-7.611	8263.9945	-3110.6425
f-p1	SLE-R-67	Max P	-15243.812	-203.64	-450.2	-12.6671	-6547.761	-2554.8448
f-p1	SLE-R-67	Min P	-17446.199	-208.751	-444.594	-12.3805	-9521.5181	-2619.7578
f-p1	SLE-R-67	Max M2	-15820.19	-206.026	-447.132	-14.1607	-5523.5506	-2585.152
f-p1	SLE-R-67	Min M2	-16958.03	-208.114	-445.998	-11.4006	-10527.3455	-2611.6635
f-p1	SLE-R-67	Max M3	-16531.58	-196.248	-445.586	-13.5239	-7946.5869	-2460.9754
f-p1	SLE-R-67	Min M3	-16653.171	-219.36	-445.248	-10.672	-8293.2816	-2754.4896
f-p1	SLE-R-68	Max P	-15276.594	-203.625	-443.636	-14.3556	-6450.7298	-2554.6559
f-p1	SLE-R-68	Min P	-17482.526	-206.329	-448.978	-14.7126	-3677.2115	-2588.996
f-p1	SLE-R-68	Max M2	-17011.06	-206.4	-447.305	-15.8275	-2523.4843	-2589.9051
f-p1	SLE-R-68	Min M2	-15863.516	-207.369	-446.568	-12.9305	-7531.5039	-2602.2063
f-p1	SLE-R-68	Max M3	-16592.854	-193.148	-447.688	-13.6486	-4993.2019	-2421.6025
f-p1	SLE-R-68	Min M3	-16691.565	-220.084	-448.064	-16.6134	-4918.0489	-2763.683
f-p1	SLE-R-69	Max P	-14952.242	-229.777	459.748	-3.7423	6760.2591	-2875.1514
f-p1	SLE-R-69	Min P	-17154.629	-234.889	465.355	-3.4557	3786.502	-2940.0644
f-p1	SLE-R-69	Max M2	-15528.621	-232.164	462.817	-5.2358	7784.4695	-2905.4586
f-p1	SLE-R-69	Min M2	-16666.46	-234.251	463.95	-2.4758	2780.6746	-2931.9701
f-p1	SLE-R-69	Max M3	-16240.011	-222.386	464.363	-4.5991	5361.4332	-2781.282
f-p1	SLE-R-69	Min M3	-16361.601	-245.497	464.701	-1.7472	5014.7385	-3074.7962
f-p1	SLE-R-70	Max P	-14985.024	-229.762	466.313	-5.4308	6857.2903	-2874.9625
f-p1	SLE-R-70	Min P	-17190.956	-232.466	460.97	-5.7877	9630.8087	-2909.3026
f-p1	SLE-R-70	Max M2	-16719.491	-232.538	462.643	-6.9026	10784.5358	-2910.2117
f-p1	SLE-R-70	Min M2	-15571.947	-233.507	463.38	-4.0057	5776.5162	-2922.5129
f-p1	SLE-R-70	Max M3	-16301.285	-219.286	462.261	-4.7237	8314.8182	-2741.9091
f-p1	SLE-R-70	Min M3	-16399.996	-246.221	461.885	-7.6886	8389.9713	-3083.9896
f-p1	SLE-R-71	Max P	-14948.341	-201.541	-450.184	-12.7447	-6421.7843	-2528.1919
f-p1	SLE-R-71	Min P	-17150.729	-206.652	-444.578	-12.4581	-9395.5414	-2593.105

f-p1	SLE-R-71	Max M2	-15524.72	-203.927	-447.116	-14.2382	-5397.5739	-2558.4991
f-p1	SLE-R-71	Min M2	-16662.559	-206.015	-445.982	-11.4782	-10401.3688	-2585.0107
f-p1	SLE-R-71	Max M3	-16236.11	-194.15	-445.57	-13.6015	-7820.6102	-2434.3225
f-p1	SLE-R-71	Min M3	-16357.7	-217.261	-445.232	-10.7496	-8167.3049	-2727.8367
f-p1	SLE-R-72	Max P	-14981.123	-201.526	-443.62	-14.4332	-6324.7531	-2528.003
f-p1	SLE-R-72	Min P	-17187.055	-204.23	-448.963	-14.7901	-3551.2347	-2562.3431
f-p1	SLE-R-72	Max M2	-16715.59	-204.302	-447.29	-15.905	-2397.5076	-2563.2523
f-p1	SLE-R-72	Min M2	-15568.046	-205.27	-446.552	-13.0081	-7405.5272	-2575.5534
f-p1	SLE-R-72	Max M3	-16297.384	-191.049	-447.672	-13.7261	-4867.2252	-2394.9496
f-p1	SLE-R-72	Min M3	-16396.095	-217.985	-448.048	-16.691	-4792.0721	-2737.0301
f-p1	SLE-R-73	Max P	-15395.15	-230.057	459.796	-3.6874	6651.8273	-2878.7
f-p1	SLE-R-73	Min P	-17597.538	-235.168	465.402	-3.4008	3678.0702	-2943.6131
f-p1	SLE-R-73	Max M2	-15971.529	-232.443	462.864	-5.1809	7676.0377	-2909.0072
f-p1	SLE-R-73	Min M2	-17109.368	-234.531	463.998	-2.4209	2672.2428	-2935.5188
f-p1	SLE-R-73	Max M3	-16682.919	-222.666	464.41	-4.5441	5253.0014	-2784.8306
f-p1	SLE-R-73	Min M3	-16804.509	-245.777	464.748	-1.6922	4906.3068	-3078.3448
f-p1	SLE-R-74	Max P	-15427.932	-230.042	466.36	-5.3758	6748.8585	-2878.5111
f-p1	SLE-R-74	Min P	-17633.865	-232.746	461.018	-5.7328	9522.3769	-2912.8513
f-p1	SLE-R-74	Max M2	-17162.399	-232.817	462.691	-6.8477	10676.104	-2913.7604
f-p1	SLE-R-74	Min M2	-16014.855	-233.786	463.428	-3.9507	5668.0844	-2926.0615
f-p1	SLE-R-74	Max M3	-16744.193	-219.565	462.308	-4.6688	8206.3864	-2745.4577
f-p1	SLE-R-74	Min M3	-16842.904	-246.501	461.932	-7.6336	8281.5395	-3087.5383
f-p1	SLE-R-75	Max P	-15391.25	-201.82	-450.137	-12.6897	-6530.2161	-2531.7406
f-p1	SLE-R-75	Min P	-17593.637	-206.932	-444.531	-12.4032	-9503.9732	-2596.6536
f-p1	SLE-R-75	Max M2	-15967.628	-204.207	-447.069	-14.1833	-5506.0057	-2562.0477
f-p1	SLE-R-75	Min M2	-17105.467	-206.294	-445.935	-11.4233	-10509.8006	-2588.5593
f-p1	SLE-R-75	Max M3	-16679.018	-194.429	-445.522	-13.5465	-7929.042	-2437.8711
f-p1	SLE-R-75	Min M3	-16800.609	-217.54	-445.185	-10.6946	-8275.7366	-2731.3854
f-p1	SLE-R-76	Max P	-15424.032	-201.805	-443.572	-14.3782	-6433.1849	-2531.5516
f-p1	SLE-R-76	Min P	-17629.964	-204.51	-448.915	-14.7352	-3659.6665	-2565.8918
f-p1	SLE-R-76	Max M2	-17158.498	-204.581	-447.242	-15.8501	-2505.9394	-2566.8009
f-p1	SLE-R-76	Min M2	-16010.954	-205.55	-446.505	-12.9531	-7513.959	-2579.1021
f-p1	SLE-R-76	Max M3	-16740.292	-191.329	-447.625	-13.6712	-4975.657	-2398.4982
f-p1	SLE-R-76	Min M3	-16839.003	-218.264	-448.001	-16.636	-4900.5039	-2740.5788
f-p1	SLE-R-77	Max P	-15099.68	-227.958	459.812	-3.7649	6777.804	-2852.0472
f-p1	SLE-R-77	Min P	-17302.067	-233.069	465.418	-3.4783	3804.0469	-2916.9602
f-p1	SLE-R-77	Max M2	-15676.059	-230.344	462.88	-5.2584	7802.0145	-2882.3543
f-p1	SLE-R-77	Min M2	-16813.898	-232.432	464.014	-2.4984	2798.2195	-2908.8659
f-p1	SLE-R-77	Max M3	-16387.449	-220.567	464.426	-4.6217	5378.9781	-2758.1777
f-p1	SLE-R-77	Min M3	-16509.039	-243.678	464.764	-1.7698	5032.2835	-3051.692
f-p1	SLE-R-78	Max P	-15132.462	-227.943	466.376	-5.4534	6874.8352	-2851.8582
f-p1	SLE-R-78	Min P	-17338.394	-230.647	461.033	-5.8103	9648.3536	-2886.1984
f-p1	SLE-R-78	Max M2	-16866.929	-230.719	462.706	-6.9253	10802.0807	-2887.1075
f-p1	SLE-R-78	Min M2	-15719.384	-231.687	463.444	-4.0283	5794.0612	-2899.4087
f-p1	SLE-R-78	Max M3	-16448.722	-217.467	462.324	-4.7463	8332.3631	-2718.8048
f-p1	SLE-R-78	Min M3	-16547.434	-244.402	461.948	-7.7112	8407.5162	-3060.8854
f-p1	SLE-R-79	Max P	-15095.779	-199.722	-450.121	-12.7673	-6404.2394	-2505.0877
f-p1	SLE-R-79	Min P	-17298.166	-204.833	-444.515	-12.4807	-9377.9965	-2570.0007
f-p1	SLE-R-79	Max M2	-15672.158	-202.108	-447.053	-14.2608	-5380.0289	-2535.3949
f-p1	SLE-R-79	Min M2	-16809.997	-204.196	-445.919	-11.5008	-10383.8239	-2561.9064
f-p1	SLE-R-79	Max M3	-16383.548	-192.33	-445.507	-13.6241	-7803.0653	-2411.2183

f-p1	SLE-R-79	Min M3	-16505.138	-215.442	-445.169	-10.7722	-8149.7599	-2704.7325
f-p1	SLE-R-80	Max P	-15128.561	-199.707	-443.557	-14.4558	-6307.2082	-2504.8987
f-p1	SLE-R-80	Min P	-17334.493	-202.411	-448.9	-14.8127	-3533.6898	-2539.2389
f-p1	SLE-R-80	Max M2	-16863.028	-202.482	-447.226	-15.9276	-2379.9627	-2540.148
f-p1	SLE-R-80	Min M2	-15715.484	-203.451	-446.489	-13.0307	-7387.9822	-2552.4492
f-p1	SLE-R-80	Max M3	-16444.822	-189.23	-447.609	-13.7487	-4849.6803	-2371.8454
f-p1	SLE-R-80	Min M3	-16543.533	-216.166	-447.985	-16.7136	-4774.5272	-2713.9259
f-p1	SLE-R-81	Max P	-15248.724	-243.765	750.598	8.5826	10826.6566	-3048.9091
f-p1	SLE-R-81	Min P	-17451.111	-248.876	756.204	8.8692	7852.8995	-3113.8222
f-p1	SLE-R-81	Max M2	-15825.103	-246.151	753.666	7.0891	11850.8671	-3079.2163
f-p1	SLE-R-81	Min M2	-16962.942	-248.239	754.8	9.8491	6847.0721	-3105.7279
f-p1	SLE-R-81	Max M3	-16536.493	-236.373	755.212	7.7259	9427.8307	-2955.0397
f-p1	SLE-R-81	Min M3	-16658.083	-259.485	755.55	10.5777	9081.1361	-3248.5539
f-p1	SLE-R-82	Max P	-15281.506	-243.75	757.162	6.8942	10923.6878	-3048.7202
f-p1	SLE-R-82	Min P	-17487.438	-246.454	751.819	6.5372	13697.2062	-3083.0604
f-p1	SLE-R-82	Max M2	-17015.973	-246.525	753.493	5.4223	14850.9333	-3083.9695
f-p1	SLE-R-82	Min M2	-15868.428	-247.494	754.23	8.3193	9842.9138	-3096.2706
f-p1	SLE-R-82	Max M3	-16597.766	-233.273	753.11	7.6012	12381.2157	-2915.6668
f-p1	SLE-R-82	Min M3	-16696.478	-260.209	752.734	4.6364	12456.3688	-3257.7474
f-p1	SLE-R-83	Max P	-15242.223	-196.704	-765.957	-6.4213	-11143.4157	-2470.6433
f-p1	SLE-R-83	Min P	-17444.61	-201.815	-760.35	-6.1347	-14117.1728	-2535.5564
f-p1	SLE-R-83	Max M2	-15818.601	-199.09	-762.889	-7.9149	-10119.2053	-2500.9505
f-p1	SLE-R-83	Min M2	-16956.44	-201.178	-761.755	-5.1549	-15123.0002	-2527.4621
f-p1	SLE-R-83	Max M3	-16529.991	-189.313	-761.342	-7.2781	-12542.2416	-2376.7739
f-p1	SLE-R-83	Min M3	-16651.582	-212.424	-761.005	-4.4262	-12888.9362	-2670.2881
f-p1	SLE-R-84	Max P	-15275.005	-196.689	-759.392	-8.1098	-11046.3845	-2470.4544
f-p1	SLE-R-84	Min P	-17480.937	-199.393	-764.735	-8.4668	-8272.8661	-2504.7946
f-p1	SLE-R-84	Max M2	-17009.471	-199.465	-763.062	-9.5817	-7119.139	-2505.7037
f-p1	SLE-R-84	Min M2	-15861.927	-200.433	-762.325	-6.6847	-12127.1586	-2518.0048
f-p1	SLE-R-84	Max M3	-16591.265	-186.213	-763.445	-7.4028	-9588.8566	-2337.401
f-p1	SLE-R-84	Min M3	-16689.976	-213.148	-763.821	-10.3676	-9513.7035	-2679.4816
f-p1	SLE-R-85	Max P	-14953.254	-241.666	750.613	8.5051	10952.6334	-3022.2563
f-p1	SLE-R-85	Min P	-17155.641	-246.777	756.22	8.7917	7978.8763	-3087.1693
f-p1	SLE-R-85	Max M2	-15529.632	-244.052	753.682	7.0115	11976.8438	-3052.5634
f-p1	SLE-R-85	Min M2	-16667.472	-246.14	754.816	9.7716	6973.0489	-3079.075
f-p1	SLE-R-85	Max M3	-16241.022	-234.275	755.228	7.6483	9553.8074	-2928.3868
f-p1	SLE-R-85	Min M3	-16362.613	-257.386	755.566	10.5002	9207.1128	-3221.9011
f-p1	SLE-R-86	Max P	-14986.036	-241.651	757.178	6.8166	11049.6646	-3022.0673
f-p1	SLE-R-86	Min P	-17191.968	-244.355	751.835	6.4597	13823.1829	-3056.4075
f-p1	SLE-R-86	Max M2	-16720.502	-244.427	753.508	5.3447	14976.9101	-3057.3166
f-p1	SLE-R-86	Min M2	-15572.958	-245.395	754.245	8.2417	9968.8905	-3069.6178
f-p1	SLE-R-86	Max M3	-16302.296	-231.174	753.126	7.5237	12507.1924	-2889.0139
f-p1	SLE-R-86	Min M3	-16401.008	-258.11	752.75	4.5588	12582.3455	-3231.0945
f-p1	SLE-R-87	Max P	-14946.752	-194.605	-765.941	-6.4989	-11017.439	-2443.9905
f-p1	SLE-R-87	Min P	-17149.139	-199.717	-760.335	-6.2123	-13991.1961	-2508.9035
f-p1	SLE-R-87	Max M2	-15523.131	-196.992	-762.873	-7.9924	-9993.2285	-2474.2976
f-p1	SLE-R-87	Min M2	-16660.97	-199.079	-761.739	-5.2324	-14997.0235	-2500.8092
f-p1	SLE-R-87	Max M3	-16234.521	-187.214	-761.327	-7.3557	-12416.2649	-2350.121
f-p1	SLE-R-87	Min M3	-16356.111	-210.325	-760.989	-4.5038	-12762.9595	-2643.6353
f-p1	SLE-R-88	Max P	-14979.534	-194.59	-759.377	-8.1874	-10920.4078	-2443.8015
f-p1	SLE-R-88	Min P	-17185.466	-197.295	-764.719	-8.5443	-8146.8894	-2478.1417

f-p1	SLE-R-88	Max M2	-16714.001	-197.366	-763.046	-9.6592	-6993.1623	-2479.0508
f-p1	SLE-R-88	Min M2	-15566.457	-198.335	-762.309	-6.7623	-12001.1818	-2491.352
f-p1	SLE-R-88	Max M3	-16295.795	-184.114	-763.429	-7.4803	-9462.8799	-2310.7481
f-p1	SLE-R-88	Min M3	-16394.506	-211.049	-763.805	-10.4452	-9387.7268	-2652.8287
f-p1	SLE-R-89	Max P	-15396.162	-241.945	750.661	8.56	10844.2016	-3025.8049
f-p1	SLE-R-89	Min P	-17598.549	-247.057	756.267	8.8466	7870.4445	-3090.718
f-p1	SLE-R-89	Max M2	-15972.54	-244.332	753.729	7.0665	11868.412	-3056.1121
f-p1	SLE-R-89	Min M2	-17110.38	-246.419	754.863	9.8265	6864.6171	-3082.6237
f-p1	SLE-R-89	Max M3	-16683.93	-234.554	755.275	7.7033	9445.3757	-2931.9355
f-p1	SLE-R-89	Min M3	-16805.521	-257.666	755.613	10.5551	9098.6811	-3225.4497
f-p1	SLE-R-90	Max P	-15428.944	-241.93	757.226	6.8716	10941.2328	-3025.616
f-p1	SLE-R-90	Min P	-17634.876	-244.635	751.883	6.5146	13714.7512	-3059.9561
f-p1	SLE-R-90	Max M2	-17163.411	-244.706	753.556	5.3997	14868.4783	-3060.8653
f-p1	SLE-R-90	Min M2	-16015.866	-245.675	754.293	8.2967	9860.4587	-3073.1664
f-p1	SLE-R-90	Max M3	-16745.204	-231.454	753.173	7.5786	12398.7607	-2892.5626
f-p1	SLE-R-90	Min M3	-16843.916	-258.389	752.797	4.6138	12473.9138	-3234.6431
f-p1	SLE-R-91	Max P	-15389.66	-194.885	-765.894	-6.444	-11125.8707	-2447.5391
f-p1	SLE-R-91	Min P	-17592.048	-199.996	-760.287	-6.1574	-14099.6278	-2512.4522
f-p1	SLE-R-91	Max M2	-15966.039	-197.271	-762.826	-7.9375	-10101.6603	-2477.8463
f-p1	SLE-R-91	Min M2	-17103.878	-199.359	-761.692	-5.1775	-15105.4552	-2504.3579
f-p1	SLE-R-91	Max M3	-16677.429	-187.494	-761.279	-7.3007	-12524.6966	-2353.6697
f-p1	SLE-R-91	Min M3	-16799.019	-210.605	-760.941	-4.4488	-12871.3913	-2647.1839
f-p1	SLE-R-92	Max P	-15422.442	-194.87	-759.329	-8.1324	-11028.8395	-2447.3502
f-p1	SLE-R-92	Min P	-17628.375	-197.574	-764.672	-8.4894	-8255.3212	-2481.6903
f-p1	SLE-R-92	Max M2	-17156.909	-197.646	-762.999	-9.6043	-7101.594	-2482.5995
f-p1	SLE-R-92	Min M2	-16009.365	-198.614	-762.262	-6.7073	-12109.6136	-2494.9006
f-p1	SLE-R-92	Max M3	-16738.703	-184.393	-763.381	-7.4254	-9571.3116	-2314.2968
f-p1	SLE-R-92	Min M3	-16837.414	-211.329	-763.757	-10.3902	-9496.1586	-2656.3773
f-p1	SLE-R-93	Max P	-15100.692	-239.847	750.677	8.4825	10970.1783	-2999.152
f-p1	SLE-R-93	Min P	-17303.079	-244.958	756.283	8.7691	7996.4212	-3064.0651
f-p1	SLE-R-93	Max M2	-15677.07	-242.233	753.745	6.9889	11994.3887	-3029.4592
f-p1	SLE-R-93	Min M2	-16814.909	-244.321	754.879	9.749	6990.5938	-3055.9708
f-p1	SLE-R-93	Max M3	-16388.46	-232.455	755.291	7.6257	9571.3524	-2905.2826
f-p1	SLE-R-93	Min M3	-16510.051	-255.567	755.629	10.4776	9224.6578	-3198.7968
f-p1	SLE-R-94	Max P	-15133.474	-239.832	757.241	6.794	11067.2095	-2998.9631
f-p1	SLE-R-94	Min P	-17339.406	-242.536	751.898	6.437	13840.7279	-3033.3032
f-p1	SLE-R-94	Max M2	-16867.94	-242.607	753.571	5.3221	14994.455	-3034.2124
f-p1	SLE-R-94	Min M2	-15720.396	-243.576	754.309	8.2191	9986.4354	-3046.5135
f-p1	SLE-R-94	Max M3	-16449.734	-229.355	753.189	7.5011	12524.7374	-2865.9097
f-p1	SLE-R-94	Min M3	-16548.445	-256.291	752.813	4.5362	12599.8905	-3207.9902
f-p1	SLE-R-95	Max P	-15094.19	-192.786	-765.878	-6.5215	-10999.894	-2420.8862
f-p1	SLE-R-95	Min P	-17296.577	-197.897	-760.272	-6.2349	-13973.6511	-2485.7993
f-p1	SLE-R-95	Max M2	-15670.569	-195.172	-762.81	-8.015	-9975.6836	-2451.1934
f-p1	SLE-R-95	Min M2	-16808.408	-197.26	-761.676	-5.255	-14979.4785	-2477.705
f-p1	SLE-R-95	Max M3	-16381.959	-185.395	-761.263	-7.3783	-12398.7199	-2327.0168
f-p1	SLE-R-95	Min M3	-16503.549	-208.506	-760.926	-4.5264	-12745.4146	-2620.531
f-p1	SLE-R-96	Max P	-15126.972	-192.771	-759.313	-8.21	-10902.8628	-2420.6973
f-p1	SLE-R-96	Min P	-17332.904	-195.475	-764.656	-8.5669	-8129.3444	-2455.0374
f-p1	SLE-R-96	Max M2	-16861.439	-195.547	-762.983	-9.6818	-6975.6173	-2455.9466
f-p1	SLE-R-96	Min M2	-15713.894	-196.515	-762.246	-6.7849	-11983.6369	-2468.2477
f-p1	SLE-R-96	Max M3	-16443.232	-182.295	-763.366	-7.5029	-9445.3349	-2287.6439

f-p1	SLE-R-96	Min M3	-16541.944	-209.23	-763.742	-10.4678	-9370.1818	-2629.7244
f-p1	SLE-R-97	Max P	-15198.098	-383.395	444.471	5.655	6414.9365	-4801.3085
f-p1	SLE-R-97	Min P	-17400.485	-388.507	450.077	5.9416	3441.1794	-4866.2216
f-p1	SLE-R-97	Max M2	-15774.476	-385.782	447.539	4.1615	7439.147	-4831.6157
f-p1	SLE-R-97	Min M2	-16912.316	-387.869	448.673	6.9215	2435.352	-4858.1273
f-p1	SLE-R-97	Max M3	-16485.866	-376.004	449.085	4.7983	5016.1106	-4707.4391
f-p1	SLE-R-97	Min M3	-16607.457	-399.116	449.423	7.6502	4669.416	-5000.9533
f-p1	SLE-R-98	Max P	-15230.88	-383.381	451.035	3.9666	6511.9678	-4801.1196
f-p1	SLE-R-98	Min P	-17436.812	-386.085	445.692	3.6096	9285.4861	-4835.4597
f-p1	SLE-R-98	Max M2	-16965.346	-386.156	447.366	2.4947	10439.2133	-4836.3689
f-p1	SLE-R-98	Min M2	-15817.802	-387.125	448.103	5.3917	5431.1937	-4848.67
f-p1	SLE-R-98	Max M3	-16547.14	-372.904	446.983	4.6736	7969.4956	-4668.0662
f-p1	SLE-R-98	Min M3	-16645.852	-399.839	446.607	1.7088	8044.6487	-5010.1467
f-p1	SLE-R-99	Max P	-15194.197	-355.159	-465.462	-3.3473	-6767.1068	-4454.349
f-p1	SLE-R-99	Min P	-17396.584	-360.27	-459.856	-3.0607	-9740.864	-4519.2621
f-p1	SLE-R-99	Max M2	-15770.576	-357.545	-462.394	-4.8409	-5742.8964	-4484.6562
f-p1	SLE-R-99	Min M2	-16908.415	-359.633	-461.26	-2.0809	-10746.6914	-4511.1678
f-p1	SLE-R-99	Max M3	-16481.966	-347.768	-460.848	-4.2041	-8165.9328	-4360.4796
f-p1	SLE-R-99	Min M3	-16603.556	-370.879	-460.51	-1.3522	-8512.6274	-4653.9938
f-p1	SLE-R-100	Max P	-15226.979	-355.144	-458.897	-5.0358	-6670.0756	-4454.1601
f-p1	SLE-R-100	Min P	-17432.911	-357.848	-464.24	-5.3928	-3896.5573	-4488.5003
f-p1	SLE-R-100	Max M2	-16961.446	-357.92	-462.567	-6.5077	-2742.8301	-4489.4094
f-p1	SLE-R-100	Min M2	-15813.901	-358.888	-461.83	-3.6107	-7750.8497	-4501.7105
f-p1	SLE-R-100	Max M3	-16543.239	-344.668	-462.95	-4.3288	-5212.5478	-4321.1067
f-p1	SLE-R-100	Min M3	-16641.951	-371.603	-463.326	-7.2936	-5137.3947	-4663.1872
f-p1	SLE-R-101	Max P	-14902.628	-381.297	444.486	5.5775	6540.9133	-4774.6556
f-p1	SLE-R-101	Min P	-17105.015	-386.408	450.093	5.8641	3567.1562	-4839.5687
f-p1	SLE-R-101	Max M2	-15479.006	-383.683	447.555	4.084	7565.1237	-4804.9628
f-p1	SLE-R-101	Min M2	-16616.845	-385.771	448.688	6.844	2561.3288	-4831.4744
f-p1	SLE-R-101	Max M3	-16190.396	-373.906	449.101	4.7207	5142.0873	-4680.7862
f-p1	SLE-R-101	Min M3	-16311.986	-397.017	449.439	7.5726	4795.3927	-4974.3004
f-p1	SLE-R-102	Max P	-14935.409	-381.282	451.051	3.889	6637.9445	-4774.4667
f-p1	SLE-R-102	Min P	-17141.342	-383.986	445.708	3.5321	9411.4628	-4808.8069
f-p1	SLE-R-102	Max M2	-16669.876	-384.058	447.381	2.4172	10565.19	-4809.716
f-p1	SLE-R-102	Min M2	-15522.332	-385.026	448.118	5.3141	5557.1704	-4822.0171
f-p1	SLE-R-102	Max M3	-16251.67	-370.805	446.999	4.5961	8095.4723	-4641.4133
f-p1	SLE-R-102	Min M3	-16350.381	-397.741	446.623	1.6312	8170.6254	-4983.4938
f-p1	SLE-R-103	Max P	-14898.727	-353.06	-465.446	-3.4249	-6641.1301	-4427.6962
f-p1	SLE-R-103	Min P	-17101.114	-358.172	-459.84	-3.1383	-9614.8872	-4492.6092
f-p1	SLE-R-103	Max M2	-15475.105	-355.447	-462.378	-4.9184	-5616.9197	-4458.0033
f-p1	SLE-R-103	Min M2	-16612.944	-357.534	-461.244	-2.1584	-10620.7146	-4484.5149
f-p1	SLE-R-103	Max M3	-16186.495	-345.669	-460.832	-4.2817	-8039.956	-4333.8267
f-p1	SLE-R-103	Min M3	-16308.086	-368.781	-460.494	-1.4298	-8386.6507	-4627.341
f-p1	SLE-R-104	Max P	-14931.509	-353.045	-458.882	-5.1134	-6544.0989	-4427.5072
f-p1	SLE-R-104	Min P	-17137.441	-355.75	-464.225	-5.4703	-3770.5806	-4461.8474
f-p1	SLE-R-104	Max M2	-16665.975	-355.821	-462.552	-6.5852	-2616.8534	-4462.7565
f-p1	SLE-R-104	Min M2	-15518.431	-356.79	-461.814	-3.6883	-7624.873	-4475.0577
f-p1	SLE-R-104	Max M3	-16247.769	-342.569	-462.934	-4.4063	-5086.571	-4294.4538
f-p1	SLE-R-104	Min M3	-16346.48	-369.504	-463.31	-7.3712	-5011.418	-4636.5344
f-p1	SLE-R-105	Max P	-15443.828	-380.363	444.576	5.6174	6444.1781	-4762.8015
f-p1	SLE-R-105	Min P	-17646.215	-385.475	450.182	5.904	3470.421	-4827.7145

f-p1	SLE-R-105	Max M2	-16020.206	-382.75	447.644	4.1238	7468.3886	-4793.1086
f-p1	SLE-R-105	Min M2	-17158.045	-384.837	448.778	6.8839	2464.5936	-4819.6202
f-p1	SLE-R-105	Max M3	-16731.596	-372.972	449.191	4.7606	5045.3522	-4668.932
f-p1	SLE-R-105	Min M3	-16853.187	-396.084	449.528	7.6125	4698.6576	-4962.4463
f-p1	SLE-R-106	Max P	-15476.61	-380.349	451.141	3.9289	6541.2093	-4762.6125
f-p1	SLE-R-106	Min P	-17682.542	-383.053	445.798	3.5719	9314.7277	-4796.9527
f-p1	SLE-R-106	Max M2	-17211.076	-383.124	447.471	2.457	10468.4548	-4797.8618
f-p1	SLE-R-106	Min M2	-16063.532	-384.093	448.208	5.354	5460.4353	-4810.163
f-p1	SLE-R-106	Max M3	-16792.87	-369.872	447.088	4.6359	7998.7372	-4629.5591
f-p1	SLE-R-106	Min M3	-16891.581	-396.807	446.712	1.6711	8073.8903	-4971.6397
f-p1	SLE-R-107	Max P	-15439.927	-352.127	-465.357	-3.385	-6737.8653	-4415.842
f-p1	SLE-R-107	Min P	-17642.314	-357.238	-459.75	-3.0984	-9711.6224	-4480.755
f-p1	SLE-R-107	Max M2	-16016.305	-354.513	-462.289	-4.8786	-5713.6548	-4446.1492
f-p1	SLE-R-107	Min M2	-17154.145	-356.601	-461.155	-2.1185	-10717.4498	-4472.6607
f-p1	SLE-R-107	Max M3	-16727.695	-344.736	-460.742	-4.2418	-8136.6912	-4321.9726
f-p1	SLE-R-107	Min M3	-16849.286	-367.847	-460.404	-1.3899	-8483.3858	-4615.4868
f-p1	SLE-R-108	Max P	-15472.709	-352.112	-458.792	-5.0735	-6640.8341	-4415.653
f-p1	SLE-R-108	Min P	-17678.641	-354.816	-464.135	-5.4305	-3867.3157	-4449.9932
f-p1	SLE-R-108	Max M2	-17207.175	-354.888	-462.462	-6.5454	-2713.5886	-4450.9023
f-p1	SLE-R-108	Min M2	-16059.631	-355.856	-461.725	-3.6484	-7721.6081	-4463.2035
f-p1	SLE-R-108	Max M3	-16788.969	-341.636	-462.844	-4.3664	-5183.3062	-4282.5997
f-p1	SLE-R-108	Min M3	-16887.68	-368.571	-463.22	-7.3313	-5108.1531	-4624.6802
f-p1	SLE-R-109	Max P	-15148.357	-378.265	444.592	5.5398	6570.1549	-4736.1486
f-p1	SLE-R-109	Min P	-17350.744	-383.376	450.198	5.8264	3596.3978	-4801.0616
f-p1	SLE-R-109	Max M2	-15724.736	-380.651	447.66	4.0463	7594.3653	-4766.4558
f-p1	SLE-R-109	Min M2	-16862.575	-382.739	448.794	6.8063	2590.5704	-4792.9673
f-p1	SLE-R-109	Max M3	-16436.126	-370.874	449.206	4.683	5171.3289	-4642.2792
f-p1	SLE-R-109	Min M3	-16557.716	-393.985	449.544	7.5349	4824.6343	-4935.7934
f-p1	SLE-R-110	Max P	-15181.139	-378.25	451.156	3.8513	6667.1861	-4735.9596
f-p1	SLE-R-110	Min P	-17387.071	-380.954	445.813	3.4944	9440.7044	-4770.2998
f-p1	SLE-R-110	Max M2	-16915.606	-381.026	447.487	2.3795	10594.4316	-4771.2089
f-p1	SLE-R-110	Min M2	-15768.062	-381.994	448.224	5.2765	5586.412	-4783.5101
f-p1	SLE-R-110	Max M3	-16497.4	-367.773	447.104	4.5584	8124.7139	-4602.9063
f-p1	SLE-R-110	Min M3	-16596.111	-394.709	446.728	1.5936	8199.867	-4944.9868
f-p1	SLE-R-111	Max P	-15144.456	-350.028	-465.341	-3.4626	-6611.8885	-4389.1891
f-p1	SLE-R-111	Min P	-17346.844	-355.14	-459.735	-3.176	-9585.6456	-4454.1021
f-p1	SLE-R-111	Max M2	-15720.835	-352.415	-462.273	-4.9561	-5587.6781	-4419.4963
f-p1	SLE-R-111	Min M2	-16858.674	-354.502	-461.139	-2.1961	-10591.473	-4446.0078
f-p1	SLE-R-111	Max M3	-16432.225	-342.637	-460.727	-4.3193	-8010.7145	-4295.3197
f-p1	SLE-R-111	Min M3	-16553.815	-365.749	-460.389	-1.4675	-8357.4091	-4588.8339
f-p1	SLE-R-112	Max P	-15177.238	-350.013	-458.776	-5.151	-6514.8573	-4389.0002
f-p1	SLE-R-112	Min P	-17383.17	-352.718	-464.119	-5.508	-3741.339	-4423.3403
f-p1	SLE-R-112	Max M2	-16911.705	-352.789	-462.446	-6.6229	-2587.6118	-4424.2494
f-p1	SLE-R-112	Min M2	-15764.161	-353.758	-461.709	-3.7259	-7595.6314	-4436.5506
f-p1	SLE-R-112	Max M3	-16493.499	-339.537	-462.829	-4.444	-5057.3295	-4255.9468
f-p1	SLE-R-112	Min M3	-16592.21	-366.472	-463.205	-7.4088	-4982.1764	-4598.0273
f-p1	SLE-R-113	Max P	-15071.499	218.116	452.749	5.9978	6544.8847	2738.7159
f-p1	SLE-R-113	Min P	-19377.62	207.981	463.565	7.1934	914.8164	2610.0029
f-p1	SLE-R-113	Max M2	-16234.234	213.963	458.719	2.8737	8707.1636	2685.9655
f-p1	SLE-R-113	Min M2	-18332.495	209.803	459.813	9.6326	-1222.9518	2633.1377
f-p1	SLE-R-113	Max M3	-17387.359	232.32	460.163	4.6938	3978.8424	2919.1066

f-p1	SLE-R-113	Min M3	-17721.414	189.487	461.431	9.633	3253.4063	2375.1292
f-p1	SLE-R-114	Max P	-15130.197	218.18	464.938	3.0198	6725.5806	2739.5291
f-p1	SLE-R-114	Min P	-19463.866	212.224	454.944	1.5355	12048.1874	2663.888
f-p1	SLE-R-114	Max M2	-18463.092	213.858	458.903	-1.0218	14407.6587	2684.642
f-p1	SLE-R-114	Min M2	-16284.913	211.458	459.3	5.9907	4463.3801	2654.1623
f-p1	SLE-R-114	Max M3	-17510.239	237.752	458.564	4.0456	9451.2073	2988.0956
f-p1	SLE-R-114	Min M3	-17784.224	188.281	457.134	-1.082	9611.4813	2359.81
f-p1	SLE-R-115	Max P	-15067.598	246.353	-457.184	-3.0046	-6637.1587	3085.6753
f-p1	SLE-R-115	Min P	-19373.719	236.217	-446.368	-1.809	-12267.227	2956.9624
f-p1	SLE-R-115	Max M2	-16230.333	242.199	-451.214	-6.1287	-4474.8798	3032.925
f-p1	SLE-R-115	Min M2	-18328.594	238.039	-450.12	0.6302	-14404.9952	2980.0972
f-p1	SLE-R-115	Max M3	-17383.458	260.556	-449.77	-4.3086	-9203.201	3266.0661
f-p1	SLE-R-115	Min M3	-17717.513	217.724	-448.501	0.6306	-9928.6371	2722.0886
f-p1	SLE-R-116	Max P	-15126.297	246.417	-444.995	-5.9826	-6456.4628	3086.4886
f-p1	SLE-R-116	Min P	-19459.965	240.46	-454.988	-7.4669	-1133.856	3010.8475
f-p1	SLE-R-116	Max M2	-18459.191	242.095	-451.03	-10.0242	1225.6153	3031.6015
f-p1	SLE-R-116	Min M2	-16281.012	239.695	-450.633	-3.0117	-8718.6633	3001.1218
f-p1	SLE-R-116	Max M3	-17506.338	265.989	-451.368	-4.9568	-3730.8361	3335.0551
f-p1	SLE-R-116	Min M3	-17780.323	216.517	-452.798	-10.0844	-3570.5621	2706.7695
f-p1	SLE-R-117	Max P	-14776.028	220.215	452.765	5.9202	6670.8615	2765.3687
f-p1	SLE-R-117	Min P	-19082.15	210.08	463.58	7.1158	1040.7931	2636.6558
f-p1	SLE-R-117	Max M2	-15938.763	216.061	458.735	2.7961	8833.1403	2712.6184
f-p1	SLE-R-117	Min M2	-18037.025	211.901	459.829	9.5551	-1096.9751	2659.7906
f-p1	SLE-R-117	Max M3	-17091.888	234.419	460.179	4.6162	4104.8191	2945.7595
f-p1	SLE-R-117	Min M3	-17425.944	191.586	461.447	9.5555	3379.383	2401.782
f-p1	SLE-R-118	Max P	-14834.727	220.279	464.954	2.9423	6851.5573	2766.182
f-p1	SLE-R-118	Min P	-19168.395	214.323	454.96	1.4579	12174.1641	2690.5409
f-p1	SLE-R-118	Max M2	-18167.622	215.957	458.919	-1.0994	14533.6354	2711.2949
f-p1	SLE-R-118	Min M2	-15989.443	213.557	459.315	5.9132	4589.3568	2680.8152
f-p1	SLE-R-118	Max M3	-17214.769	239.851	458.58	3.968	9577.184	3014.7485
f-p1	SLE-R-118	Min M3	-17488.754	190.38	457.15	-1.1596	9737.458	2386.4629
f-p1	SLE-R-119	Max P	-14772.127	248.451	-457.168	-3.0821	-6511.1819	3112.3282
f-p1	SLE-R-119	Min P	-19078.249	238.316	-446.352	-1.8866	-12141.2503	2983.6153
f-p1	SLE-R-119	Max M2	-15934.863	244.298	-451.198	-6.2063	-4348.9031	3059.5779
f-p1	SLE-R-119	Min M2	-18033.124	240.138	-450.104	0.5527	-14279.0185	3006.7501
f-p1	SLE-R-119	Max M3	-17087.987	262.655	-449.754	-4.3862	-9077.2243	3292.719
f-p1	SLE-R-119	Min M3	-17422.043	219.822	-448.486	0.5531	-9802.6604	2748.7415
f-p1	SLE-R-120	Max P	-14830.826	248.515	-444.979	-6.0601	-6330.4861	3113.1414
f-p1	SLE-R-120	Min P	-19164.494	242.559	-454.973	-7.5445	-1007.8792	3037.5004
f-p1	SLE-R-120	Max M2	-18163.721	244.193	-451.014	-10.1018	1351.592	3058.2544
f-p1	SLE-R-120	Min M2	-15985.542	241.793	-450.617	-3.0892	-8592.6866	3027.7747
f-p1	SLE-R-120	Max M3	-17210.868	268.087	-451.353	-5.0343	-3604.8594	3361.708
f-p1	SLE-R-120	Min M3	-17484.853	218.616	-452.783	-10.162	-3444.5854	2733.4224
f-p1	SLE-R-121	Max P	-15218.936	219.935	452.812	5.9752	6562.4297	2761.8201
f-p1	SLE-R-121	Min P	-19525.058	209.8	463.628	7.1708	932.3613	2633.1071
f-p1	SLE-R-121	Max M2	-16381.672	215.782	458.782	2.8511	8724.7085	2709.0697
f-p1	SLE-R-121	Min M2	-18479.933	211.622	459.876	9.61	-1205.4069	2656.2419
f-p1	SLE-R-121	Max M3	-17534.797	234.139	460.226	4.6712	3996.3873	2942.2108
f-p1	SLE-R-121	Min M3	-17868.852	191.306	461.494	9.6104	3270.9512	2398.2334
f-p1	SLE-R-122	Max P	-15277.635	219.999	465.001	2.9972	6743.1255	2762.6333
f-p1	SLE-R-122	Min P	-19611.304	214.043	455.008	1.5129	12065.7324	2686.9923

f-p1	SLE-R-122	Max M2	-18610.53	215.677	458.966	-1.0444	14425.2037	2707.7463
f-p1	SLE-R-122	Min M2	-16432.351	213.278	459.363	5.9681	4480.925	2677.2666
f-p1	SLE-R-122	Max M3	-17657.677	239.571	458.627	4.023	9468.7522	3011.1999
f-p1	SLE-R-122	Min M3	-17931.662	190.1	457.198	-1.1046	9629.0262	2382.9142
f-p1	SLE-R-123	Max P	-15215.036	248.172	-457.121	-3.0272	-6619.6137	3108.7796
f-p1	SLE-R-123	Min P	-19521.157	238.037	-446.305	-1.8316	-12249.6821	2980.0666
f-p1	SLE-R-123	Max M2	-16377.771	244.018	-451.151	-6.1513	-4457.3348	3056.0292
f-p1	SLE-R-123	Min M2	-18476.032	239.858	-450.057	0.6076	-14387.4502	3003.2014
f-p1	SLE-R-123	Max M3	-17530.896	262.376	-449.707	-4.3312	-9185.6561	3289.1703
f-p1	SLE-R-123	Min M3	-17864.951	219.543	-448.438	0.608	-9911.0922	2745.1929
f-p1	SLE-R-124	Max P	-15273.734	248.236	-444.932	-6.0052	-6438.9178	3109.5928
f-p1	SLE-R-124	Min P	-19607.403	242.28	-454.925	-7.4895	-1116.311	3033.9518
f-p1	SLE-R-124	Max M2	-18606.629	243.914	-450.966	-10.0468	1243.1603	3054.7057
f-p1	SLE-R-124	Min M2	-16428.45	241.514	-450.57	-3.0343	-8701.1184	3024.2261
f-p1	SLE-R-124	Max M3	-17653.776	267.808	-451.305	-4.9794	-3713.2912	3358.1593
f-p1	SLE-R-124	Min M3	-17927.761	218.337	-452.735	-10.107	-3553.0171	2729.8737
f-p1	SLE-R-125	Max P	-14923.466	222.034	452.828	5.8976	6688.4064	2788.473
f-p1	SLE-R-125	Min P	-19229.588	211.899	463.644	7.0932	1058.338	2659.76
f-p1	SLE-R-125	Max M2	-16086.201	217.88	458.798	2.7735	8850.6853	2735.7226
f-p1	SLE-R-125	Min M2	-18184.463	213.721	459.892	9.5325	-1079.4301	2682.8948
f-p1	SLE-R-125	Max M3	-17239.326	236.238	460.242	4.5936	4122.364	2968.8637
f-p1	SLE-R-125	Min M3	-17573.382	193.405	461.51	9.5329	3396.9279	2424.8863
f-p1	SLE-R-126	Max P	-14982.165	222.098	465.017	2.9197	6869.1023	2789.2862
f-p1	SLE-R-126	Min P	-19315.833	216.142	455.023	1.4353	12191.7091	2713.6452
f-p1	SLE-R-126	Max M2	-18315.06	217.776	458.982	-1.122	14551.1804	2734.3991
f-p1	SLE-R-126	Min M2	-16136.881	215.376	459.379	5.8906	4606.9017	2703.9195
f-p1	SLE-R-126	Max M3	-17362.207	241.67	458.643	3.9454	9594.7289	3037.8527
f-p1	SLE-R-126	Min M3	-17636.192	192.199	457.213	-1.1822	9755.003	2409.5671
f-p1	SLE-R-127	Max P	-14919.565	250.27	-457.105	-3.1047	-6493.637	3135.4325
f-p1	SLE-R-127	Min P	-19225.687	240.135	-446.289	-1.9092	-12123.7054	3006.7195
f-p1	SLE-R-127	Max M2	-16082.3	246.117	-451.135	-6.2289	-4331.3581	3082.6821
f-p1	SLE-R-127	Min M2	-18180.562	241.957	-450.041	0.5301	-14261.4735	3029.8543
f-p1	SLE-R-127	Max M3	-17235.425	264.474	-449.691	-4.4088	-9059.6794	3315.8232
f-p1	SLE-R-127	Min M3	-17569.481	221.641	-448.423	0.5305	-9785.1155	2771.8458
f-p1	SLE-R-128	Max P	-14978.264	250.335	-444.916	-6.0827	-6312.9411	3136.2457
f-p1	SLE-R-128	Min P	-19311.932	244.378	-454.909	-7.5671	-990.3343	3060.6046
f-p1	SLE-R-128	Max M2	-18311.159	246.012	-450.951	-10.1244	1369.137	3081.3586
f-p1	SLE-R-128	Min M2	-16132.98	243.613	-450.554	-3.1118	-8575.1417	3050.8789
f-p1	SLE-R-128	Max M3	-17358.306	269.907	-451.29	-5.0569	-3587.3145	3384.8122
f-p1	SLE-R-128	Min M3	-17632.291	220.435	-452.719	-10.1846	-3427.0404	2756.5266
f-p1	SLE-R-129	Max P	-15248.662	477.869	443.487	6.8399	6375.0066	6037.5824
f-p1	SLE-R-129	Min P	-17451.049	472.758	449.094	7.1265	3401.2495	5972.6693
f-p1	SLE-R-129	Max M2	-15825.04	475.483	446.555	5.3464	7399.217	6007.2752
f-p1	SLE-R-129	Min M2	-16962.88	473.395	447.689	8.1064	2395.4221	5980.7636
f-p1	SLE-R-129	Max M3	-16536.43	485.261	448.102	5.9831	4976.1807	6131.4518
f-p1	SLE-R-129	Min M3	-16658.021	462.149	448.439	8.835	4629.486	5837.9376
f-p1	SLE-R-130	Max P	-15281.444	477.884	450.052	5.1514	6472.0378	6037.7713
f-p1	SLE-R-130	Min P	-17487.376	475.18	444.709	4.7945	9245.5561	6003.4311
f-p1	SLE-R-130	Max M2	-17015.91	475.109	446.382	3.6796	10399.2833	6002.522
f-p1	SLE-R-130	Min M2	-15868.366	474.14	447.119	6.5765	5391.2637	5990.2209
f-p1	SLE-R-130	Max M3	-16597.704	488.361	445.999	5.8585	7929.5657	6170.8247

f-p1	SLE-R-130	Min M3	-16696.416	461.425	445.623	2.8936	8004.7187	5828.7442
f-p1	SLE-R-131	Max P	-15244.761	506.106	-466.446	-2.1625	-6807.0368	6384.5418
f-p1	SLE-R-131	Min P	-17447.148	500.994	-460.839	-1.8759	-9780.7939	6319.6288
f-p1	SLE-R-131	Max M2	-15821.14	503.719	-463.378	-3.656	-5782.8264	6354.2347
f-p1	SLE-R-131	Min M2	-16958.979	501.632	-462.244	-0.896	-10786.6213	6327.7231
f-p1	SLE-R-131	Max M3	-16532.53	513.497	-461.831	-3.0192	-8205.8627	6478.4113
f-p1	SLE-R-131	Min M3	-16654.12	490.386	-461.493	-0.1674	-8552.5574	6184.897
f-p1	SLE-R-132	Max P	-15277.543	506.121	-459.881	-3.851	-6710.0056	6384.7308
f-p1	SLE-R-132	Min P	-17483.475	503.417	-465.224	-4.2079	-3936.4872	6350.3906
f-p1	SLE-R-132	Max M2	-17012.01	503.345	-463.551	-5.3228	-2782.7601	6349.4815
f-p1	SLE-R-132	Min M2	-15864.465	502.377	-462.814	-2.4258	-7790.7797	6337.1803
f-p1	SLE-R-132	Max M3	-16593.803	516.597	-463.933	-3.1439	-5252.4777	6517.7842
f-p1	SLE-R-132	Min M3	-16692.515	489.662	-464.309	-6.1087	-5177.3247	6175.7036
f-p1	SLE-R-133	Max P	-14953.192	479.968	443.503	6.7624	6500.9833	6064.2352
f-p1	SLE-R-133	Min P	-17155.579	474.857	449.109	7.049	3527.2262	5999.3222
f-p1	SLE-R-133	Max M2	-15529.57	477.582	446.571	5.2688	7525.1937	6033.9281
f-p1	SLE-R-133	Min M2	-16667.409	475.494	447.705	8.0289	2521.3988	6007.4165
f-p1	SLE-R-133	Max M3	-16240.96	487.359	448.117	5.9056	5102.1574	6158.1047
f-p1	SLE-R-133	Min M3	-16362.55	464.248	448.455	8.7575	4755.4627	5864.5904
f-p1	SLE-R-134	Max P	-14985.973	479.983	450.067	5.0739	6598.0145	6064.4242
f-p1	SLE-R-134	Min P	-17191.906	477.279	444.725	4.7169	9371.5329	6030.084
f-p1	SLE-R-134	Max M2	-16720.44	477.207	446.398	3.602	10525.26	6029.1749
f-p1	SLE-R-134	Min M2	-15572.896	476.239	447.135	6.499	5517.2404	6016.8737
f-p1	SLE-R-134	Max M3	-16302.234	490.46	446.015	5.7809	8055.5424	6197.4776
f-p1	SLE-R-134	Min M3	-16400.945	463.524	445.639	2.8161	8130.6955	5855.397
f-p1	SLE-R-135	Max P	-14949.291	508.205	-466.43	-2.24	-6681.0601	6411.1947
f-p1	SLE-R-135	Min P	-17151.678	503.093	-460.824	-1.9534	-9654.8172	6346.2817
f-p1	SLE-R-135	Max M2	-15525.669	505.818	-463.362	-3.7336	-5656.8497	6380.8875
f-p1	SLE-R-135	Min M2	-16663.508	503.73	-462.228	-0.9735	-10660.6446	6354.376
f-p1	SLE-R-135	Max M3	-16237.059	515.596	-461.815	-3.0968	-8079.886	6505.0642
f-p1	SLE-R-135	Min M3	-16358.65	492.484	-461.478	-0.2449	-8426.5807	6211.5499
f-p1	SLE-R-136	Max P	-14982.073	508.219	-459.865	-3.9285	-6584.0289	6411.3837
f-p1	SLE-R-136	Min P	-17188.005	505.515	-465.208	-4.2855	-3810.5105	6377.0435
f-p1	SLE-R-136	Max M2	-16716.539	505.444	-463.535	-5.4004	-2656.7834	6376.1344
f-p1	SLE-R-136	Min M2	-15568.995	504.475	-462.798	-2.5034	-7664.803	6363.8332
f-p1	SLE-R-136	Max M3	-16298.333	518.696	-463.918	-3.2215	-5126.501	6544.4371
f-p1	SLE-R-136	Min M3	-16397.044	491.76	-464.294	-6.1863	-5051.3479	6202.3565
f-p1	SLE-R-137	Max P	-15396.1	479.689	443.55	6.8173	6392.5515	6060.6866
f-p1	SLE-R-137	Min P	-17598.487	474.577	449.157	7.1039	3418.7944	5995.7736
f-p1	SLE-R-137	Max M2	-15972.478	477.302	446.618	5.3238	7416.7619	6030.3794
f-p1	SLE-R-137	Min M2	-17110.318	475.215	447.752	8.0838	2412.967	6003.8679
f-p1	SLE-R-137	Max M3	-16683.868	487.08	448.165	5.9605	4993.7256	6154.556
f-p1	SLE-R-137	Min M3	-16805.459	463.969	448.503	8.8124	4647.031	5861.0418
f-p1	SLE-R-138	Max P	-15428.882	479.704	450.115	5.1288	6489.5827	6060.8755
f-p1	SLE-R-138	Min P	-17634.814	476.999	444.772	4.7719	9263.1011	6026.5354
f-p1	SLE-R-138	Max M2	-17163.348	476.928	446.445	3.657	10416.8282	6025.6263
f-p1	SLE-R-138	Min M2	-16015.804	475.959	447.182	6.5539	5408.8086	6013.3251
f-p1	SLE-R-138	Max M3	-16745.142	490.18	446.063	5.8359	7947.1106	6193.9289
f-p1	SLE-R-138	Min M3	-16843.853	463.245	445.687	2.871	8022.2637	5851.8484
f-p1	SLE-R-139	Max P	-15392.199	507.925	-466.383	-2.1851	-6789.4919	6407.6461
f-p1	SLE-R-139	Min P	-17594.586	502.814	-460.776	-1.8985	-9763.249	6342.733

f-p1	SLE-R-139	Max M2	-15968.577	505.539	-463.314	-3.6786	-5765.2815	6377.3389
f-p1	SLE-R-139	Min M2	-17106.417	503.451	-462.181	-0.9186	-10769.0764	6350.8273
f-p1	SLE-R-139	Max M3	-16679.967	515.316	-461.768	-3.0419	-8188.3178	6501.5155
f-p1	SLE-R-139	Min M3	-16801.558	492.205	-461.43	-0.19	-8535.0124	6208.0013
f-p1	SLE-R-140	Max P	-15424.981	507.94	-459.818	-3.8736	-6692.4607	6407.835
f-p1	SLE-R-140	Min P	-17630.913	505.236	-465.161	-4.2305	-3918.9423	6373.4949
f-p1	SLE-R-140	Max M2	-17159.447	505.164	-463.488	-5.3454	-2765.2152	6372.5857
f-p1	SLE-R-140	Min M2	-16011.903	504.196	-462.751	-2.4484	-7773.2347	6360.2846
f-p1	SLE-R-140	Max M3	-16741.241	518.416	-463.87	-3.1665	-5234.9328	6540.8884
f-p1	SLE-R-140	Min M3	-16839.953	491.481	-464.246	-6.1313	-5159.7797	6198.8079
f-p1	SLE-R-141	Max P	-15100.629	481.787	443.566	6.7398	6518.5282	6087.3395
f-p1	SLE-R-141	Min P	-17303.016	476.676	449.172	7.0264	3544.7711	6022.4264
f-p1	SLE-R-141	Max M2	-15677.008	479.401	446.634	5.2462	7542.7387	6057.0323
f-p1	SLE-R-141	Min M2	-16814.847	477.313	447.768	8.0063	2538.9437	6030.5207
f-p1	SLE-R-141	Max M3	-16388.398	489.179	448.181	5.883	5119.7023	6181.2089
f-p1	SLE-R-141	Min M3	-16509.988	466.067	448.518	8.7349	4773.0077	5887.6947
f-p1	SLE-R-142	Max P	-15133.411	481.802	450.131	5.0513	6615.5594	6087.5284
f-p1	SLE-R-142	Min P	-17339.343	479.098	444.788	4.6943	9389.0778	6053.1883
f-p1	SLE-R-142	Max M2	-16867.878	479.027	446.461	3.5794	10542.8049	6052.2791
f-p1	SLE-R-142	Min M2	-15720.334	478.058	447.198	6.4764	5534.7854	6039.978
f-p1	SLE-R-142	Max M3	-16449.672	492.279	446.078	5.7583	8073.0873	6220.5818
f-p1	SLE-R-142	Min M3	-16548.383	465.343	445.702	2.7935	8148.2404	5878.5013
f-p1	SLE-R-143	Max P	-15096.728	510.024	-466.367	-2.2626	-6663.5152	6434.299
f-p1	SLE-R-143	Min P	-17299.116	504.912	-460.76	-1.976	-9637.2723	6369.3859
f-p1	SLE-R-143	Max M2	-15673.107	507.637	-463.299	-3.7562	-5639.3047	6403.9918
f-p1	SLE-R-143	Min M2	-16810.946	505.55	-462.165	-0.9961	-10643.0997	6377.4802
f-p1	SLE-R-143	Max M3	-16384.497	517.415	-461.752	-3.1194	-8062.3411	6528.1684
f-p1	SLE-R-143	Min M3	-16506.087	494.304	-461.414	-0.2675	-8409.0357	6234.6542
f-p1	SLE-R-144	Max P	-15129.51	510.039	-459.802	-3.9511	-6566.4839	6434.4879
f-p1	SLE-R-144	Min P	-17335.443	507.335	-465.145	-4.3081	-3792.9656	6400.1477
f-p1	SLE-R-144	Max M2	-16863.977	507.263	-463.472	-5.423	-2639.2385	6399.2386
f-p1	SLE-R-144	Min M2	-15716.433	506.294	-462.735	-2.526	-7647.258	6386.9375
f-p1	SLE-R-144	Max M3	-16445.771	520.515	-463.854	-3.2441	-5108.9561	6567.5413
f-p1	SLE-R-144	Min M3	-16544.482	493.58	-464.23	-6.2089	-5033.803	6225.4607
f-p1	SLE-R-145	Max P	-15250.186	-46.832	468.056	3.7154	6749.0494	-626.1245
f-p1	SLE-R-145	Min P	-17452.573	-51.943	473.663	4.002	3775.2923	-691.0375
f-p1	SLE-R-145	Max M2	-15826.564	-49.218	471.124	2.2218	7773.2599	-656.4317
f-p1	SLE-R-145	Min M2	-16964.403	-51.306	472.258	4.9819	2769.4649	-682.9433
f-p1	SLE-R-145	Max M3	-16537.954	-39.441	472.671	2.8586	5350.2235	-532.2551
f-p1	SLE-R-145	Min M3	-16659.545	-62.552	473.009	5.7105	5003.5289	-825.7693
f-p1	SLE-R-146	Max P	-15282.968	-46.817	474.621	2.0269	6846.0806	-625.9356
f-p1	SLE-R-146	Min P	-17488.9	-49.521	469.278	1.6699	9619.599	-660.2757
f-p1	SLE-R-146	Max M2	-17017.434	-49.593	470.951	0.555	10773.3261	-661.1848
f-p1	SLE-R-146	Min M2	-15869.89	-50.561	471.688	3.452	5765.3066	-673.486
f-p1	SLE-R-146	Max M3	-16599.228	-36.34	470.569	2.7339	8303.6085	-492.8822
f-p1	SLE-R-146	Min M3	-16697.939	-63.276	470.193	-0.2309	8378.7616	-834.9627
f-p1	SLE-R-147	Max P	-15246.285	-18.595	-441.877	-5.287	-6432.994	-279.165
f-p1	SLE-R-147	Min P	-17448.672	-23.707	-436.27	-5.0004	-9406.7511	-344.0781
f-p1	SLE-R-147	Max M2	-15822.663	-20.982	-438.808	-6.7806	-5408.7835	-309.4722
f-p1	SLE-R-147	Min M2	-16960.503	-23.07	-437.675	-4.0205	-10412.5785	-335.9838
f-p1	SLE-R-147	Max M3	-16534.053	-11.204	-437.262	-6.1438	-7831.8199	-185.2956

f-p1	SLE-R-147	Min M3	-16655.644	-34.316	-436.924	-3.2919	-8178.5145	-478.8098
f-p1	SLE-R-148	Max P	-15279.067	-18.581	-435.312	-6.9755	-6335.9628	-278.9761
f-p1	SLE-R-148	Min P	-17484.999	-21.285	-440.655	-7.3325	-3562.4444	-313.3162
f-p1	SLE-R-148	Max M2	-17013.533	-21.356	-438.982	-8.4474	-2408.7173	-314.2254
f-p1	SLE-R-148	Min M2	-15865.989	-22.325	-438.245	-5.5504	-7416.7368	-326.5265
f-p1	SLE-R-148	Max M3	-16595.327	-8.104	-439.364	-6.2685	-4878.4349	-145.9227
f-p1	SLE-R-148	Min M3	-16694.038	-35.04	-439.74	-9.2333	-4803.2818	-488.0032
f-p1	SLE-R-149	Max P	-14954.715	-44.733	468.072	3.6378	6875.0262	-599.4716
f-p1	SLE-R-149	Min P	-17157.102	-49.845	473.678	3.9244	3901.2691	-664.3847
f-p1	SLE-R-149	Max M2	-15531.094	-47.12	471.14	2.1443	7899.2366	-629.7788
f-p1	SLE-R-149	Min M2	-16668.933	-49.207	472.274	4.9043	2895.4417	-656.2904
f-p1	SLE-R-149	Max M3	-16242.484	-37.342	472.686	2.781	5476.2002	-505.6022
f-p1	SLE-R-149	Min M3	-16364.074	-60.453	473.024	5.6329	5129.5056	-799.1164
f-p1	SLE-R-150	Max P	-14987.497	-44.718	474.637	1.9493	6972.0574	-599.2827
f-p1	SLE-R-150	Min P	-17193.429	-47.422	469.294	1.5924	9745.5757	-633.6228
f-p1	SLE-R-150	Max M2	-16721.964	-47.494	470.967	0.4775	10899.3029	-634.532
f-p1	SLE-R-150	Min M2	-15574.42	-48.462	471.704	3.3744	5891.2833	-646.8331
f-p1	SLE-R-150	Max M3	-16303.758	-34.242	470.584	2.6564	8429.5852	-466.2293
f-p1	SLE-R-150	Min M3	-16402.469	-61.177	470.208	-0.3085	8504.7383	-808.3098
f-p1	SLE-R-151	Max P	-14950.814	-16.497	-441.861	-5.3646	-6307.0172	-252.5121
f-p1	SLE-R-151	Min P	-17153.201	-21.608	-436.254	-5.078	-9280.7743	-317.4252
f-p1	SLE-R-151	Max M2	-15527.193	-18.883	-438.793	-6.8581	-5282.8068	-282.8193
f-p1	SLE-R-151	Min M2	-16665.032	-20.971	-437.659	-4.0981	-10286.6017	-309.3309
f-p1	SLE-R-151	Max M3	-16238.583	-9.106	-437.246	-6.2213	-7705.8432	-158.6427
f-p1	SLE-R-151	Min M3	-16360.173	-32.217	-436.908	-3.3695	-8052.5378	-452.1569
f-p1	SLE-R-152	Max P	-14983.596	-16.482	-435.296	-7.0531	-6209.986	-252.3232
f-p1	SLE-R-152	Min P	-17189.528	-19.186	-440.639	-7.41	-3436.4677	-286.6634
f-p1	SLE-R-152	Max M2	-16718.063	-19.258	-438.966	-8.5249	-2282.7405	-287.5725
f-p1	SLE-R-152	Min M2	-15570.519	-20.226	-438.229	-5.6279	-7290.7601	-299.8736
f-p1	SLE-R-152	Max M3	-16299.857	-6.005	-439.349	-6.346	-4752.4582	-119.2698
f-p1	SLE-R-152	Min M3	-16398.568	-32.941	-439.724	-9.3108	-4677.3051	-461.3504
f-p1	SLE-R-153	Max P	-15397.623	-45.013	468.119	3.6928	6766.5944	-603.0203
f-p1	SLE-R-153	Min P	-17600.011	-50.124	473.726	3.9794	3792.8373	-667.9333
f-p1	SLE-R-153	Max M2	-15974.002	-47.399	471.188	2.1992	7790.8048	-633.3275
f-p1	SLE-R-153	Min M2	-17111.841	-49.487	472.321	4.9593	2787.0099	-659.839
f-p1	SLE-R-153	Max M3	-16685.392	-37.621	472.734	2.836	5367.7685	-509.1508
f-p1	SLE-R-153	Min M3	-16806.982	-60.733	473.072	5.6879	5021.0738	-802.6651
f-p1	SLE-R-154	Max P	-15430.405	-44.998	474.684	2.0043	6863.6256	-602.8313
f-p1	SLE-R-154	Min P	-17636.338	-47.702	469.341	1.6473	9637.144	-637.1715
f-p1	SLE-R-154	Max M2	-17164.872	-47.773	471.014	0.5324	10790.8711	-638.0806
f-p1	SLE-R-154	Min M2	-16017.328	-48.742	471.751	3.4294	5782.8515	-650.3818
f-p1	SLE-R-154	Max M3	-16746.666	-34.521	470.632	2.7113	8321.1535	-469.7779
f-p1	SLE-R-154	Min M3	-16845.377	-61.457	470.256	-0.2535	8396.3066	-811.8585
f-p1	SLE-R-155	Max P	-15393.723	-16.776	-441.813	-5.3096	-6415.449	-256.0608
f-p1	SLE-R-155	Min P	-17596.11	-21.888	-436.207	-5.023	-9389.2061	-320.9738
f-p1	SLE-R-155	Max M2	-15970.101	-19.163	-438.745	-6.8032	-5391.2386	-286.368
f-p1	SLE-R-155	Min M2	-17107.94	-21.25	-437.611	-4.0431	-10395.0335	-312.8795
f-p1	SLE-R-155	Max M3	-16681.491	-9.385	-437.199	-6.1664	-7814.2749	-162.1914
f-p1	SLE-R-155	Min M3	-16803.082	-32.496	-436.861	-3.3145	-8160.9695	-455.7056
f-p1	SLE-R-156	Max P	-15426.505	-16.761	-435.249	-6.9981	-6318.4178	-255.8719
f-p1	SLE-R-156	Min P	-17632.437	-19.465	-440.592	-7.3551	-3544.8994	-290.212

f-p1	SLE-R-156	Max M2	-17160.971	-19.537	-438.919	-8.47	-2391.1723	-291.1211
f-p1	SLE-R-156	Min M2	-16013.427	-20.506	-438.182	-5.573	-7399.1919	-303.4223
f-p1	SLE-R-156	Max M3	-16742.765	-6.285	-439.301	-6.2911	-4860.8899	-122.8185
f-p1	SLE-R-156	Min M3	-16841.476	-33.22	-439.677	-9.2559	-4785.7368	-464.899
f-p1	SLE-R-157	Max P	-15102.153	-42.914	468.135	3.6152	6892.5711	-576.3674
f-p1	SLE-R-157	Min P	-17304.54	-48.025	473.742	3.9018	3918.814	-641.2804
f-p1	SLE-R-157	Max M2	-15678.532	-45.3	471.203	2.1217	7916.7815	-606.6746
f-p1	SLE-R-157	Min M2	-16816.371	-47.388	472.337	4.8817	2912.9866	-633.1861
f-p1	SLE-R-157	Max M3	-16389.922	-35.523	472.75	2.7584	5493.7452	-482.498
f-p1	SLE-R-157	Min M3	-16511.512	-58.634	473.088	5.6103	5147.0506	-776.0122
f-p1	SLE-R-158	Max P	-15134.935	-42.899	474.7	1.9267	6989.6023	-576.1785
f-p1	SLE-R-158	Min P	-17340.867	-45.603	469.357	1.5698	9763.1207	-610.5186
f-p1	SLE-R-158	Max M2	-16869.402	-45.675	471.03	0.4549	10916.8478	-611.4277
f-p1	SLE-R-158	Min M2	-15721.857	-46.643	471.767	3.3518	5908.8282	-623.7289
f-p1	SLE-R-158	Max M3	-16451.195	-32.423	470.647	2.6338	8447.1302	-443.1251
f-p1	SLE-R-158	Min M3	-16549.907	-59.358	470.271	-0.3311	8522.2833	-785.2056
f-p1	SLE-R-159	Max P	-15098.252	-14.678	-441.798	-5.3872	-6289.4723	-229.4079
f-p1	SLE-R-159	Min P	-17300.639	-19.789	-436.191	-5.1006	-9263.2294	-294.321
f-p1	SLE-R-159	Max M2	-15674.631	-17.064	-438.729	-6.8807	-5265.2619	-259.7151
f-p1	SLE-R-159	Min M2	-16812.47	-19.152	-437.596	-4.1207	-10269.0568	-286.2267
f-p1	SLE-R-159	Max M3	-16386.021	-7.286	-437.183	-6.2439	-7688.2982	-135.5385
f-p1	SLE-R-159	Min M3	-16507.611	-30.398	-436.845	-3.3921	-8034.9928	-429.0527
f-p1	SLE-R-160	Max P	-15131.034	-14.663	-435.233	-7.0757	-6192.4411	-229.219
f-p1	SLE-R-160	Min P	-17336.966	-17.367	-440.576	-7.4326	-3418.9227	-263.5591
f-p1	SLE-R-160	Max M2	-16865.501	-17.438	-438.903	-8.5475	-2265.1956	-264.4683
f-p1	SLE-R-160	Min M2	-15717.956	-18.407	-438.166	-5.6505	-7273.2152	-276.7694
f-p1	SLE-R-160	Max M3	-16447.295	-4.186	-439.285	-6.3686	-4734.9132	-96.1656
f-p1	SLE-R-160	Min M3	-16546.006	-31.122	-439.661	-9.3334	-4659.7601	-438.2461
f-p1	SLE-R-161	Max P	-15249.997	213.428	554.215	-8.3416	8075.7906	2679.179
f-p1	SLE-R-161	Min P	-17452.384	208.317	559.821	-8.055	5102.0335	2614.266
f-p1	SLE-R-161	Max M2	-15826.375	211.042	557.283	-9.8351	9100.001	2648.8719
f-p1	SLE-R-161	Min M2	-16964.214	208.954	558.417	-7.0751	4096.2061	2622.3603
f-p1	SLE-R-161	Max M3	-16537.765	220.819	558.829	-9.1984	6676.9647	2773.0485
f-p1	SLE-R-161	Min M3	-16659.355	197.708	559.167	-6.3465	6330.2701	2479.5343
f-p1	SLE-R-162	Max P	-15282.778	213.443	560.78	-10.0301	8172.8218	2679.368
f-p1	SLE-R-162	Min P	-17488.711	210.739	555.437	-10.387	10946.3402	2645.0278
f-p1	SLE-R-162	Max M2	-17017.245	210.667	557.11	-11.502	12100.0673	2644.1187
f-p1	SLE-R-162	Min M2	-15869.701	209.699	557.847	-8.605	7092.0477	2631.8175
f-p1	SLE-R-162	Max M3	-16599.039	223.92	556.727	-9.323	9630.3497	2812.4214
f-p1	SLE-R-162	Min M3	-16697.75	196.984	556.351	-12.2879	9705.5028	2470.3408
f-p1	SLE-R-163	Max P	-15246.096	241.665	-355.718	-17.344	-5106.2528	3026.1385
f-p1	SLE-R-163	Min P	-17448.483	236.553	-350.111	-17.0574	-8080.0099	2961.2255
f-p1	SLE-R-163	Max M2	-15822.474	239.278	-352.65	-18.8375	-4082.0424	2995.8313
f-p1	SLE-R-163	Min M2	-16960.313	237.191	-351.516	-16.0775	-9085.8373	2969.3198
f-p1	SLE-R-163	Max M3	-16533.864	249.056	-351.103	-18.2008	-6505.0787	3120.008
f-p1	SLE-R-163	Min M3	-16655.455	225.944	-350.765	-15.3489	-6851.7733	2826.4937
f-p1	SLE-R-164	Max P	-15278.878	241.68	-349.153	-19.0325	-5009.2216	3026.3275
f-p1	SLE-R-164	Min P	-17484.81	238.975	-354.496	-19.3894	-2235.7032	2991.9873
f-p1	SLE-R-164	Max M2	-17013.344	238.904	-352.823	-20.5043	-1081.9761	2991.0782
f-p1	SLE-R-164	Min M2	-15865.8	237.935	-352.086	-17.6074	-6089.9957	2978.777
f-p1	SLE-R-164	Max M3	-16595.138	252.156	-353.206	-18.3254	-3551.6937	3159.3809

f-p1	SLE-R-164	Min M3	-16693.849	225.221	-353.582	-21.2903	-3476.5406	2817.3003
f-p1	SLE-R-165	Max P	-14954.526	215.527	554.231	-8.4192	8201.7673	2705.8319
f-p1	SLE-R-165	Min P	-17156.913	210.416	559.837	-8.1326	5228.0102	2640.9189
f-p1	SLE-R-165	Max M2	-15530.905	213.141	557.299	-9.9127	9225.9777	2675.5248
f-p1	SLE-R-165	Min M2	-16668.744	211.053	558.433	-7.1527	4222.1828	2649.0132
f-p1	SLE-R-165	Max M3	-16242.295	222.918	558.845	-9.2759	6802.9414	2799.7014
f-p1	SLE-R-165	Min M3	-16363.885	199.807	559.183	-6.4241	6456.2468	2506.1871
f-p1	SLE-R-166	Max P	-14987.308	215.542	560.795	-10.1076	8298.7985	2706.0209
f-p1	SLE-R-166	Min P	-17193.24	212.838	555.452	-10.4646	11072.3169	2671.6807
f-p1	SLE-R-166	Max M2	-16721.775	212.766	557.125	-11.5795	12226.044	2670.7716
f-p1	SLE-R-166	Min M2	-15574.23	211.798	557.863	-8.6825	7218.0244	2658.4704
f-p1	SLE-R-166	Max M3	-16303.568	226.018	556.743	-9.4006	9756.3264	2839.0743
f-p1	SLE-R-166	Min M3	-16402.28	199.083	556.367	-12.3654	9831.4795	2496.9937
f-p1	SLE-R-167	Max P	-14950.625	243.763	-355.702	-17.4216	-4980.2761	3052.7914
f-p1	SLE-R-167	Min P	-17153.012	238.652	-350.096	-17.135	-7954.0332	2987.8784
f-p1	SLE-R-167	Max M2	-15527.004	241.377	-352.634	-18.9151	-3956.0657	3022.4842
f-p1	SLE-R-167	Min M2	-16664.843	239.289	-351.5	-16.1551	-8959.8606	2995.9727
f-p1	SLE-R-167	Max M3	-16238.394	251.155	-351.088	-18.2783	-6379.102	3146.6608
f-p1	SLE-R-167	Min M3	-16359.984	228.043	-350.75	-15.4264	-6725.7966	2853.1466
f-p1	SLE-R-168	Max P	-14983.407	243.778	-349.138	-19.11	-4883.2449	3052.9803
f-p1	SLE-R-168	Min P	-17189.339	241.074	-354.48	-19.467	-2109.7265	3018.6402
f-p1	SLE-R-168	Max M2	-16717.874	241.003	-352.807	-20.5819	-955.9994	3017.7311
f-p1	SLE-R-168	Min M2	-15570.33	240.034	-352.07	-17.6849	-5964.019	3005.4299
f-p1	SLE-R-168	Max M3	-16299.668	254.255	-353.19	-18.403	-3425.717	3186.0337
f-p1	SLE-R-168	Min M3	-16398.379	227.319	-353.566	-21.3678	-3350.5639	2843.9532
f-p1	SLE-R-169	Max P	-15397.434	215.247	554.278	-8.3642	8093.3356	2702.2833
f-p1	SLE-R-169	Min P	-17599.821	210.136	559.885	-8.0776	5119.5784	2637.3702
f-p1	SLE-R-169	Max M2	-15973.813	212.861	557.346	-9.8578	9117.546	2671.9761
f-p1	SLE-R-169	Min M2	-17111.652	210.773	558.48	-7.0977	4113.751	2645.4645
f-p1	SLE-R-169	Max M3	-16685.203	222.639	558.893	-9.221	6694.5096	2796.1527
f-p1	SLE-R-169	Min M3	-16806.793	199.527	559.23	-6.3691	6347.815	2502.6385
f-p1	SLE-R-170	Max P	-15430.216	215.262	560.843	-10.0527	8190.3668	2702.4722
f-p1	SLE-R-170	Min P	-17636.148	212.558	555.5	-10.4097	10963.8851	2668.1321
f-p1	SLE-R-170	Max M2	-17164.683	212.487	557.173	-11.5246	12117.6123	2667.2229
f-p1	SLE-R-170	Min M2	-16017.139	211.518	557.91	-8.6276	7109.5927	2654.9218
f-p1	SLE-R-170	Max M3	-16746.477	225.739	556.79	-9.3456	9647.8946	2835.5256
f-p1	SLE-R-170	Min M3	-16845.188	198.803	556.414	-12.3105	9723.0477	2493.4451
f-p1	SLE-R-171	Max P	-15393.533	243.484	-355.655	-17.3666	-5088.7078	3049.2428
f-p1	SLE-R-171	Min P	-17595.921	238.372	-350.048	-17.08	-8062.4649	2984.3297
f-p1	SLE-R-171	Max M2	-15969.912	241.097	-352.586	-18.8601	-4064.4974	3018.9356
f-p1	SLE-R-171	Min M2	-17107.751	239.01	-351.453	-16.1001	-9068.2923	2992.424
f-p1	SLE-R-171	Max M3	-16681.302	250.875	-351.04	-18.2234	-6487.5338	3143.1122
f-p1	SLE-R-171	Min M3	-16802.892	227.764	-350.702	-15.3715	-6834.2284	2849.598
f-p1	SLE-R-172	Max P	-15426.315	243.499	-349.09	-19.0551	-4991.6766	3049.4317
f-p1	SLE-R-172	Min P	-17632.248	240.795	-354.433	-19.412	-2218.1583	3015.0915
f-p1	SLE-R-172	Max M2	-17160.782	240.723	-352.76	-20.5269	-1064.4311	3014.1824
f-p1	SLE-R-172	Min M2	-16013.238	239.755	-352.023	-17.63	-6072.4507	3001.8813
f-p1	SLE-R-172	Max M3	-16742.576	253.975	-353.142	-18.348	-3534.1488	3182.4851
f-p1	SLE-R-172	Min M3	-16841.287	227.04	-353.518	-21.3129	-3458.9957	2840.4045
f-p1	SLE-R-173	Max P	-15101.964	217.346	554.294	-8.4418	8219.3123	2728.9362
f-p1	SLE-R-173	Min P	-17304.351	212.235	559.9	-8.1552	5245.5552	2664.0231

f-p1	SLE-R-173	Max M2	-15678.343	214.96	557.362	-9.9353	9243.5227	2698.629
f-p1	SLE-R-173	Min M2	-16816.182	212.872	558.496	-7.1753	4239.7278	2672.1174
f-p1	SLE-R-173	Max M3	-16389.733	224.737	558.908	-9.2985	6820.4864	2822.8056
f-p1	SLE-R-173	Min M3	-16511.323	201.626	559.246	-6.4467	6473.7917	2529.2914
f-p1	SLE-R-174	Max P	-15134.746	217.361	560.858	-10.1302	8316.3435	2729.1251
f-p1	SLE-R-174	Min P	-17340.678	214.657	555.516	-10.4872	11089.8618	2694.7849
f-p1	SLE-R-174	Max M2	-16869.213	214.585	557.189	-11.6021	12243.589	2693.8758
f-p1	SLE-R-174	Min M2	-15721.668	213.617	557.926	-8.7051	7235.5694	2681.5747
f-p1	SLE-R-174	Max M3	-16451.006	227.838	556.806	-9.4232	9773.8713	2862.1785
f-p1	SLE-R-174	Min M3	-16549.718	200.902	556.43	-12.388	9849.0244	2520.098
f-p1	SLE-R-175	Max P	-15098.063	245.583	-355.639	-17.4442	-4962.7311	3075.8956
f-p1	SLE-R-175	Min P	-17300.45	240.471	-350.032	-17.1576	-7936.4882	3010.9826
f-p1	SLE-R-175	Max M2	-15674.442	243.196	-352.571	-18.9377	-3938.5207	3045.5885
f-p1	SLE-R-175	Min M2	-16812.281	241.109	-351.437	-16.1777	-8942.3156	3019.0769
f-p1	SLE-R-175	Max M3	-16385.832	252.974	-351.024	-18.3009	-6361.557	3169.7651
f-p1	SLE-R-175	Min M3	-16507.422	229.862	-350.687	-15.449	-6708.2517	2876.2508
f-p1	SLE-R-176	Max P	-15130.845	245.597	-349.074	-19.1326	-4865.6999	3076.0846
f-p1	SLE-R-176	Min P	-17336.777	242.893	-354.417	-19.4896	-2092.1816	3041.7444
f-p1	SLE-R-176	Max M2	-16865.312	242.822	-352.744	-20.6045	-938.4544	3040.8353
f-p1	SLE-R-176	Min M2	-15717.767	241.853	-352.007	-17.7075	-5946.474	3028.5341
f-p1	SLE-R-176	Max M3	-16447.105	256.074	-353.127	-18.4256	-3408.172	3209.138
f-p1	SLE-R-176	Min M3	-16545.817	229.138	-353.503	-21.3904	-3333.019	2867.0574
f-p1	SLE-R-177	Max P	-15249.348	216.855	468.193	-3.9422	6740.2147	2722.6977
f-p1	SLE-R-177	Min P	-17451.735	211.744	473.799	-3.6556	3766.4576	2657.7847
f-p1	SLE-R-177	Max M2	-15825.726	214.468	471.261	-5.4357	7764.4251	2692.3906
f-p1	SLE-R-177	Min M2	-16963.565	212.381	472.395	-2.6757	2760.6302	2665.879
f-p1	SLE-R-177	Max M3	-16537.116	224.246	472.807	-4.7989	5341.3888	2816.5672
f-p1	SLE-R-177	Min M3	-16658.707	201.135	473.145	-1.947	4994.6942	2523.053
f-p1	SLE-R-178	Max P	-15282.13	216.87	474.757	-5.6306	6837.2459	2722.8867
f-p1	SLE-R-178	Min P	-17488.062	214.166	469.414	-5.9876	9610.7643	2688.5465
f-p1	SLE-R-178	Max M2	-17016.596	214.094	471.087	-7.1025	10764.4914	2687.6374
f-p1	SLE-R-178	Min M2	-15869.052	213.126	471.824	-4.2055	5756.4718	2675.3363
f-p1	SLE-R-178	Max M3	-16598.39	227.346	470.705	-4.9236	8294.7738	2855.9401
f-p1	SLE-R-178	Min M3	-16697.101	200.411	470.329	-7.8884	8369.9269	2513.8595
f-p1	SLE-R-179	Max P	-15245.447	245.091	-441.74	-12.9445	-6441.8287	3069.6572
f-p1	SLE-R-179	Min P	-17447.834	239.98	-436.134	-12.658	-9415.5858	3004.7442
f-p1	SLE-R-179	Max M2	-15821.825	242.705	-438.672	-14.4381	-5417.6183	3039.35
f-p1	SLE-R-179	Min M2	-16959.664	240.617	-437.538	-11.6781	-10421.4132	3012.8385
f-p1	SLE-R-179	Max M3	-16533.215	252.483	-437.126	-13.8013	-7840.6546	3163.5267
f-p1	SLE-R-179	Min M3	-16654.806	229.371	-436.788	-10.9494	-8187.3492	2870.0124
f-p1	SLE-R-180	Max P	-15278.229	245.106	-435.176	-14.633	-6344.7975	3069.8462
f-p1	SLE-R-180	Min P	-17484.161	242.402	-440.519	-14.99	-3571.2791	3035.506
f-p1	SLE-R-180	Max M2	-17012.695	242.331	-438.845	-16.1049	-2417.552	3034.5969
f-p1	SLE-R-180	Min M2	-15865.151	241.362	-438.108	-13.2079	-7425.5716	3022.2957
f-p1	SLE-R-180	Max M3	-16594.489	255.583	-439.228	-13.926	-4887.2696	3202.8996
f-p1	SLE-R-180	Min M3	-16693.2	228.647	-439.604	-16.8908	-4812.1165	2860.819
f-p1	SLE-R-181	Max P	-14953.877	218.954	468.208	-4.0197	6866.1914	2749.3506
f-p1	SLE-R-181	Min P	-17156.264	213.842	473.815	-3.7331	3892.4343	2684.4376
f-p1	SLE-R-181	Max M2	-15530.256	216.567	471.277	-5.5132	7890.4019	2719.0435
f-p1	SLE-R-181	Min M2	-16668.095	214.48	472.41	-2.7532	2886.6069	2692.5319
f-p1	SLE-R-181	Max M3	-16241.646	226.345	472.823	-4.8765	5467.3655	2843.2201

f-p1	SLE-R-181	Min M3	-16363.236	203.233	473.161	-2.0246	5120.6709	2549.7058
f-p1	SLE-R-182	Max P	-14986.659	218.968	474.773	-5.7082	6963.2226	2749.5396
f-p1	SLE-R-182	Min P	-17192.591	216.264	469.43	-6.0651	9736.741	2715.1994
f-p1	SLE-R-182	Max M2	-16721.126	216.193	471.103	-7.1801	10890.4681	2714.2903
f-p1	SLE-R-182	Min M2	-15573.581	215.224	471.84	-4.2831	5882.4486	2701.9891
f-p1	SLE-R-182	Max M3	-16302.92	229.445	470.721	-5.0011	8420.7505	2882.593
f-p1	SLE-R-182	Min M3	-16401.631	202.51	470.345	-7.966	8495.9036	2540.5124
f-p1	SLE-R-183	Max P	-14949.976	247.19	-441.725	-13.0221	-6315.852	3096.3101
f-p1	SLE-R-183	Min P	-17152.363	242.079	-436.118	-12.7355	-9289.6091	3031.3971
f-p1	SLE-R-183	Max M2	-15526.355	244.804	-438.656	-14.5156	-5291.6415	3066.0029
f-p1	SLE-R-183	Min M2	-16664.194	242.716	-437.523	-11.7556	-10295.4365	3039.4914
f-p1	SLE-R-183	Max M3	-16237.745	254.581	-437.11	-13.8789	-7714.6779	3190.1795
f-p1	SLE-R-183	Min M3	-16359.335	231.47	-436.772	-11.027	-8061.3725	2896.6653
f-p1	SLE-R-184	Max P	-14982.758	247.205	-435.16	-14.7106	-6218.8208	3096.499
f-p1	SLE-R-184	Min P	-17188.69	244.501	-440.503	-15.0675	-3445.3024	3062.1589
f-p1	SLE-R-184	Max M2	-16717.225	244.429	-438.83	-16.1824	-2291.5753	3061.2498
f-p1	SLE-R-184	Min M2	-15569.681	243.461	-438.093	-13.2855	-7299.5948	3048.9486
f-p1	SLE-R-184	Max M3	-16299.019	257.681	-439.212	-14.0035	-4761.2929	3229.5524
f-p1	SLE-R-184	Min M3	-16397.73	230.746	-439.588	-16.9684	-4686.1398	2887.4719
f-p1	SLE-R-185	Max P	-15396.785	218.674	468.256	-3.9648	6757.7597	2745.802
f-p1	SLE-R-185	Min P	-17599.173	213.563	473.862	-3.6782	3784.0026	2680.8889
f-p1	SLE-R-185	Max M2	-15973.164	216.288	471.324	-5.4583	7781.9701	2715.4948
f-p1	SLE-R-185	Min M2	-17111.003	214.2	472.458	-2.6983	2778.1752	2688.9832
f-p1	SLE-R-185	Max M3	-16684.554	226.065	472.87	-4.8215	5358.9338	2839.6714
f-p1	SLE-R-185	Min M3	-16806.144	202.954	473.208	-1.9697	5012.2391	2546.1572
f-p1	SLE-R-186	Max P	-15429.567	218.689	474.82	-5.6532	6854.7909	2745.9909
f-p1	SLE-R-186	Min P	-17635.5	215.985	469.477	-6.0102	9628.3092	2711.6508
f-p1	SLE-R-186	Max M2	-17164.034	215.913	471.15	-7.1251	10782.0364	2710.7416
f-p1	SLE-R-186	Min M2	-16016.49	214.945	471.888	-4.2281	5774.0168	2698.4405
f-p1	SLE-R-186	Max M3	-16745.828	229.166	470.768	-4.9462	8312.3188	2879.0443
f-p1	SLE-R-186	Min M3	-16844.539	202.23	470.392	-7.911	8387.4718	2536.9638
f-p1	SLE-R-187	Max P	-15392.885	246.911	-441.677	-12.9672	-6424.2837	3092.7615
f-p1	SLE-R-187	Min P	-17595.272	241.799	-436.071	-12.6806	-9398.0408	3027.8484
f-p1	SLE-R-187	Max M2	-15969.263	244.524	-438.609	-14.4607	-5400.0733	3062.4543
f-p1	SLE-R-187	Min M2	-17107.102	242.437	-437.475	-11.7007	-10403.8682	3035.9427
f-p1	SLE-R-187	Max M3	-16680.653	254.302	-437.063	-13.8239	-7823.1096	3186.6309
f-p1	SLE-R-187	Min M3	-16802.243	231.19	-436.725	-10.972	-8169.8043	2893.1167
f-p1	SLE-R-188	Max P	-15425.666	246.925	-435.113	-14.6556	-6327.2525	3092.9504
f-p1	SLE-R-188	Min P	-17631.599	244.221	-440.455	-15.0126	-3553.7341	3058.6102
f-p1	SLE-R-188	Max M2	-17160.133	244.15	-438.782	-16.1275	-2400.007	3057.7011
f-p1	SLE-R-188	Min M2	-16012.589	243.181	-438.045	-13.2305	-7408.0266	3045.4
f-p1	SLE-R-188	Max M3	-16741.927	257.402	-439.165	-13.9486	-4869.7246	3226.0038
f-p1	SLE-R-188	Min M3	-16840.638	230.466	-439.541	-16.9134	-4794.5716	2883.9233
f-p1	SLE-R-189	Max P	-15101.315	220.773	468.271	-4.0423	6883.7364	2772.4549
f-p1	SLE-R-189	Min P	-17303.702	215.661	473.878	-3.7557	3909.9793	2707.5418
f-p1	SLE-R-189	Max M2	-15677.694	218.386	471.34	-5.5358	7907.9468	2742.1477
f-p1	SLE-R-189	Min M2	-16815.533	216.299	472.473	-2.7758	2904.1519	2715.6361
f-p1	SLE-R-189	Max M3	-16389.084	228.164	472.886	-4.8991	5484.9105	2866.3243
f-p1	SLE-R-189	Min M3	-16510.674	205.053	473.224	-2.0472	5138.2158	2572.8101
f-p1	SLE-R-190	Max P	-15134.097	220.788	474.836	-5.7308	6980.7676	2772.6438
f-p1	SLE-R-190	Min P	-17340.029	218.084	469.493	-6.0877	9754.286	2738.3036

f-p1	SLE-R-190	Max M2	-16868.564	218.012	471.166	-7.2027	10908.0131	2737.3945
f-p1	SLE-R-190	Min M2	-15721.019	217.044	471.903	-4.3057	5899.9935	2725.0934
f-p1	SLE-R-190	Max M3	-16450.357	231.264	470.784	-5.0237	8438.2955	2905.6972
f-p1	SLE-R-190	Min M3	-16549.069	204.329	470.408	-7.9886	8513.4486	2563.6167
f-p1	SLE-R-191	Max P	-15097.414	249.009	-441.661	-13.0447	-6298.307	3119.4143
f-p1	SLE-R-191	Min P	-17299.801	243.898	-436.055	-12.7581	-9272.0641	3054.5013
f-p1	SLE-R-191	Max M2	-15673.793	246.623	-438.593	-14.5382	-5274.0966	3089.1072
f-p1	SLE-R-191	Min M2	-16811.632	244.535	-437.459	-11.7782	-10277.8915	3062.5956
f-p1	SLE-R-191	Max M3	-16385.183	256.4	-437.047	-13.9015	-7697.1329	3213.2838
f-p1	SLE-R-191	Min M3	-16506.773	233.289	-436.709	-11.0496	-8043.8275	2919.7695
f-p1	SLE-R-192	Max P	-15130.196	249.024	-435.097	-14.7332	-6201.2758	3119.6033
f-p1	SLE-R-192	Min P	-17336.128	246.32	-440.44	-15.0901	-3427.7574	3085.2631
f-p1	SLE-R-192	Max M2	-16864.663	246.248	-438.767	-16.205	-2274.0303	3084.354
f-p1	SLE-R-192	Min M2	-15717.118	245.28	-438.029	-13.3081	-7282.0499	3072.0528
f-p1	SLE-R-192	Max M3	-16446.456	259.501	-439.149	-14.0261	-4743.7479	3252.6567
f-p1	SLE-R-192	Min M3	-16545.168	232.565	-439.525	-16.991	-4668.5948	2910.5761
f-p1	SLE-R-193	Max P	-15250.359	204.966	759.058	8.3052	10932.589	2575.5929
f-p1	SLE-R-193	Min P	-17452.746	199.855	764.664	8.5918	7958.8319	2510.6798
f-p1	SLE-R-193	Max M2	-15826.738	202.58	762.126	6.8117	11956.7994	2545.2857
f-p1	SLE-R-193	Min M2	-16964.577	200.492	763.26	9.5717	6953.0045	2518.7741
f-p1	SLE-R-193	Max M3	-16538.128	212.357	763.672	7.4485	9533.7631	2669.4623
f-p1	SLE-R-193	Min M3	-16659.718	189.246	764.01	10.3003	9187.0685	2375.9481
f-p1	SLE-R-194	Max P	-15283.141	204.981	765.622	6.6168	11029.6202	2575.7818
f-p1	SLE-R-194	Min P	-17489.073	202.277	760.279	6.2598	13803.1386	2541.4417
f-p1	SLE-R-194	Max M2	-17017.608	202.206	761.952	5.1449	14956.8657	2540.5325
f-p1	SLE-R-194	Min M2	-15870.063	201.237	762.69	8.0419	9948.8461	2528.2314
f-p1	SLE-R-194	Max M3	-16599.401	215.458	761.57	7.3238	12487.1481	2708.8352
f-p1	SLE-R-194	Min M3	-16698.113	188.522	761.194	4.359	12562.3012	2366.7547
f-p1	SLE-R-195	Max P	-15243.858	252.027	-757.497	-6.6988	-11037.4833	3153.8587
f-p1	SLE-R-195	Min P	-17446.245	246.916	-751.891	-6.4122	-14011.2404	3088.9456
f-p1	SLE-R-195	Max M2	-15820.236	249.64	-754.429	-8.1923	-10013.2729	3123.5515
f-p1	SLE-R-195	Min M2	-16958.075	247.553	-753.295	-5.4323	-15017.0678	3097.0399
f-p1	SLE-R-195	Max M3	-16531.626	259.418	-752.883	-7.5555	-12436.3092	3247.7281
f-p1	SLE-R-195	Min M3	-16653.217	236.307	-752.545	-4.7036	-12783.0039	2954.2139
f-p1	SLE-R-196	Max P	-15276.639	252.042	-750.932	-8.3872	-10940.4521	3154.0476
f-p1	SLE-R-196	Min P	-17482.572	249.338	-756.275	-8.7442	-8166.9338	3119.7075
f-p1	SLE-R-196	Max M2	-17011.106	249.266	-754.602	-9.8591	-7013.2066	3118.7983
f-p1	SLE-R-196	Min M2	-15863.562	248.298	-753.865	-6.9621	-12021.2262	3106.4972
f-p1	SLE-R-196	Max M3	-16592.9	262.518	-754.985	-7.6802	-9482.9242	3287.101
f-p1	SLE-R-196	Min M3	-16691.611	235.583	-755.361	-10.645	-9407.7712	2945.0205
f-p1	SLE-R-197	Max P	-14954.889	207.065	759.073	8.2277	11058.5657	2602.2458
f-p1	SLE-R-197	Min P	-17157.276	201.954	764.68	8.5143	8084.8086	2537.3327
f-p1	SLE-R-197	Max M2	-15531.267	204.679	762.142	6.7341	12082.7761	2571.9386
f-p1	SLE-R-197	Min M2	-16669.106	202.591	763.275	9.4942	7078.9812	2545.427
f-p1	SLE-R-197	Max M3	-16242.657	214.456	763.688	7.3709	9659.7398	2696.1152
f-p1	SLE-R-197	Min M3	-16364.248	191.345	764.026	10.2228	9313.0452	2402.601
f-p1	SLE-R-198	Max P	-14987.671	207.08	765.638	6.5392	11155.5969	2602.4347
f-p1	SLE-R-198	Min P	-17193.603	204.376	760.295	6.1822	13929.1153	2568.0946
f-p1	SLE-R-198	Max M2	-16722.137	204.304	761.968	5.0673	15082.8424	2567.1854
f-p1	SLE-R-198	Min M2	-15574.593	203.336	762.705	7.9643	10074.8228	2554.8843
f-p1	SLE-R-198	Max M3	-16303.931	217.556	761.586	7.2463	12613.1248	2735.4881

f-p1	SLE-R-198	Min M3	-16402.642	190.621	761.21	4.2814	12688.2779	2393.4076
f-p1	SLE-R-199	Max P	-14948.387	254.126	-757.481	-6.7763	-10911.5066	3180.5116
f-p1	SLE-R-199	Min P	-17150.774	249.014	-751.875	-6.4897	-13885.2637	3115.5985
f-p1	SLE-R-199	Max M2	-15524.766	251.739	-754.413	-8.2698	-9887.2962	3150.2044
f-p1	SLE-R-199	Min M2	-16662.605	249.652	-753.279	-5.5098	-14891.0911	3123.6928
f-p1	SLE-R-199	Max M3	-16236.156	261.517	-752.867	-7.6331	-12310.3325	3274.381
f-p1	SLE-R-199	Min M3	-16357.746	238.405	-752.529	-4.7812	-12657.0272	2980.8668
f-p1	SLE-R-200	Max P	-14981.169	254.14	-750.917	-8.4648	-10814.4754	3180.7005
f-p1	SLE-R-200	Min P	-17187.101	251.436	-756.26	-8.8217	-8040.957	3146.3603
f-p1	SLE-R-200	Max M2	-16715.636	251.365	-754.586	-9.9366	-6887.2299	3145.4512
f-p1	SLE-R-200	Min M2	-15568.091	250.396	-753.849	-7.0397	-11895.2495	3133.1501
f-p1	SLE-R-200	Max M3	-16297.43	264.617	-754.969	-7.7577	-9356.9475	3313.7539
f-p1	SLE-R-200	Min M3	-16396.141	237.682	-755.345	-10.7226	-9281.7944	2971.6734
f-p1	SLE-R-201	Max P	-15397.797	206.786	759.121	8.2826	10950.134	2598.6971
f-p1	SLE-R-201	Min P	-17600.184	201.674	764.727	8.5692	7976.3769	2533.7841
f-p1	SLE-R-201	Max M2	-15974.175	204.399	762.189	6.7891	11974.3444	2568.3899
f-p1	SLE-R-201	Min M2	-17112.015	202.311	763.323	9.5491	6970.5494	2541.8784
f-p1	SLE-R-201	Max M3	-16685.565	214.177	763.735	7.4259	9551.308	2692.5665
f-p1	SLE-R-201	Min M3	-16807.156	191.065	764.073	10.2777	9204.6134	2399.0523
f-p1	SLE-R-202	Max P	-15430.579	206.8	765.685	6.5942	11047.1652	2598.8861
f-p1	SLE-R-202	Min P	-17636.511	204.096	760.343	6.2372	13820.6835	2564.5459
f-p1	SLE-R-202	Max M2	-17165.045	204.025	762.016	5.1223	14974.4107	2563.6368
f-p1	SLE-R-202	Min M2	-16017.501	203.056	762.753	8.0193	9966.3911	2551.3356
f-p1	SLE-R-202	Max M3	-16746.839	217.277	761.633	7.3012	12504.693	2731.9394
f-p1	SLE-R-202	Min M3	-16845.551	190.341	761.257	4.3364	12579.8461	2389.8589
f-p1	SLE-R-203	Max P	-15391.295	253.846	-757.434	-6.7214	-11019.9384	3176.9629
f-p1	SLE-R-203	Min P	-17593.683	248.735	-751.827	-6.4348	-13993.6955	3112.0499
f-p1	SLE-R-203	Max M2	-15967.674	251.46	-754.366	-8.2149	-9995.728	3146.6557
f-p1	SLE-R-203	Min M2	-17105.513	249.372	-753.232	-5.4549	-14999.5229	3120.1442
f-p1	SLE-R-203	Max M3	-16679.064	261.237	-752.819	-7.5781	-12418.7643	3270.8323
f-p1	SLE-R-203	Min M3	-16800.654	238.126	-752.481	-4.7262	-12765.4589	2977.3181
f-p1	SLE-R-204	Max P	-15424.077	253.861	-750.869	-8.4098	-10922.9072	3177.1519
f-p1	SLE-R-204	Min P	-17630.01	251.157	-756.212	-8.7668	-8149.3888	3142.8117
f-p1	SLE-R-204	Max M2	-17158.544	251.085	-754.539	-9.8817	-6995.6617	3141.9026
f-p1	SLE-R-204	Min M2	-16011	250.117	-753.802	-6.9847	-12003.6812	3129.6014
f-p1	SLE-R-204	Max M3	-16740.338	264.338	-754.922	-7.7028	-9465.3793	3310.2052
f-p1	SLE-R-204	Min M3	-16839.049	237.402	-755.297	-10.6676	-9390.2262	2968.1247
f-p1	SLE-R-205	Max P	-15102.327	208.884	759.137	8.2051	11076.1107	2625.35
f-p1	SLE-R-205	Min P	-17304.714	203.773	764.743	8.4917	8102.3536	2560.437
f-p1	SLE-R-205	Max M2	-15678.705	206.498	762.205	6.7115	12100.3211	2595.0428
f-p1	SLE-R-205	Min M2	-16816.544	204.41	763.339	9.4716	7096.5262	2568.5313
f-p1	SLE-R-205	Max M3	-16390.095	216.275	763.751	7.3483	9677.2848	2719.2194
f-p1	SLE-R-205	Min M3	-16511.686	193.164	764.089	10.2002	9330.5901	2425.7052
f-p1	SLE-R-206	Max P	-15135.108	208.899	765.701	6.5166	11173.1419	2625.5389
f-p1	SLE-R-206	Min P	-17341.041	206.195	760.358	6.1596	13946.6602	2591.1988
f-p1	SLE-R-206	Max M2	-16869.575	206.123	762.031	5.0447	15100.3874	2590.2897
f-p1	SLE-R-206	Min M2	-15722.031	205.155	762.769	7.9417	10092.3678	2577.9885
f-p1	SLE-R-206	Max M3	-16451.369	219.376	761.649	7.2236	12630.6698	2758.5923
f-p1	SLE-R-206	Min M3	-16550.08	192.44	761.273	4.2588	12705.8228	2416.5118
f-p1	SLE-R-207	Max P	-15095.825	255.945	-757.418	-6.7989	-10893.9617	3203.6158
f-p1	SLE-R-207	Min P	-17298.212	250.833	-751.812	-6.5123	-13867.7188	3138.7028

f-p1	SLE-R-207	Max M2	-15672.204	253.558	-754.35	-8.2924	-9869.7512	3173.3086
f-p1	SLE-R-207	Min M2	-16810.043	251.471	-753.216	-5.5324	-14873.5462	3146.7971
f-p1	SLE-R-207	Max M3	-16383.594	263.336	-752.804	-7.6557	-12292.7876	3297.4852
f-p1	SLE-R-207	Min M3	-16505.184	240.225	-752.466	-4.8038	-12639.4822	3003.971
f-p1	SLE-R-208	Max P	-15128.607	255.96	-750.854	-8.4874	-10796.9305	3203.8047
f-p1	SLE-R-208	Min P	-17334.539	253.256	-756.196	-8.8443	-8023.4121	3169.4646
f-p1	SLE-R-208	Max M2	-16863.074	253.184	-754.523	-9.9592	-6869.685	3168.5555
f-p1	SLE-R-208	Min M2	-15715.529	252.216	-753.786	-7.0623	-11877.7045	3156.2543
f-p1	SLE-R-208	Max M3	-16444.867	266.436	-754.906	-7.7803	-9339.4026	3336.8581
f-p1	SLE-R-208	Min M3	-16543.579	239.501	-755.282	-10.7452	-9264.2495	2994.7776
f-p1	SLE-R-209	Max P	-15200.823	364.489	458.571	5.1927	6591.4905	4572.8615
f-p1	SLE-R-209	Min P	-17403.21	359.378	464.177	5.4793	3617.7334	4507.9485
f-p1	SLE-R-209	Max M2	-15777.201	362.103	461.639	3.6992	7615.7009	4542.5543
f-p1	SLE-R-209	Min M2	-16915.041	360.015	462.773	6.4592	2611.906	4516.0428
f-p1	SLE-R-209	Max M3	-16488.591	371.881	463.185	4.3359	5192.6646	4666.731
f-p1	SLE-R-209	Min M3	-16610.182	348.769	463.523	7.1878	4845.9699	4373.2167
f-p1	SLE-R-210	Max P	-15233.605	364.504	465.135	3.5042	6688.5217	4573.0505
f-p1	SLE-R-210	Min P	-17439.537	361.8	459.792	3.1473	9462.04	4538.7103
f-p1	SLE-R-210	Max M2	-16968.071	361.729	461.465	2.0324	10615.7672	4537.8012
f-p1	SLE-R-210	Min M2	-15820.527	360.76	462.202	4.9293	5607.7476	4525.5
f-p1	SLE-R-210	Max M3	-16549.865	374.981	461.083	4.2113	8146.0496	4706.1039
f-p1	SLE-R-210	Min M3	-16648.577	348.045	460.707	1.2464	8221.2026	4364.0233
f-p1	SLE-R-211	Max P	-15196.922	392.726	-451.362	-3.8097	-6590.5529	4919.821
f-p1	SLE-R-211	Min P	-17399.309	387.614	-445.756	-3.5231	-9564.31	4854.908
f-p1	SLE-R-211	Max M2	-15773.3	390.339	-448.294	-5.3032	-5566.3425	4889.5138
f-p1	SLE-R-211	Min M2	-16911.14	388.252	-447.16	-2.5432	-10570.1374	4863.0023
f-p1	SLE-R-211	Max M3	-16484.69	400.117	-446.748	-4.6665	-7989.3788	5013.6904
f-p1	SLE-R-211	Min M3	-16606.281	377.006	-446.41	-1.8146	-8336.0735	4720.1762
f-p1	SLE-R-212	Max P	-15229.704	392.741	-444.798	-5.4982	-6493.5217	4920.0099
f-p1	SLE-R-212	Min P	-17435.636	390.036	-450.141	-5.8551	-3720.0033	4885.6698
f-p1	SLE-R-212	Max M2	-16964.17	389.965	-448.467	-6.97	-2566.2762	4884.7607
f-p1	SLE-R-212	Min M2	-15816.626	388.996	-447.73	-4.0731	-7574.2958	4872.4595
f-p1	SLE-R-212	Max M3	-16545.964	403.217	-448.85	-4.7911	-5035.9938	5053.0633
f-p1	SLE-R-212	Min M3	-16644.676	376.282	-449.226	-7.7559	-4960.8408	4710.9828
f-p1	SLE-R-213	Max P	-14905.352	366.588	458.586	5.1152	6717.4672	4599.5144
f-p1	SLE-R-213	Min P	-17107.74	361.477	464.193	5.4017	3743.7101	4534.6014
f-p1	SLE-R-213	Max M2	-15481.731	364.202	461.655	3.6216	7741.6776	4569.2072
f-p1	SLE-R-213	Min M2	-16619.57	362.114	462.788	6.3816	2737.8827	4542.6957
f-p1	SLE-R-213	Max M3	-16193.121	373.979	463.201	4.2584	5318.6413	4693.3838
f-p1	SLE-R-213	Min M3	-16314.711	350.868	463.539	7.1103	4971.9466	4399.8696
f-p1	SLE-R-214	Max P	-14938.134	366.603	465.151	3.4267	6814.4984	4599.7033
f-p1	SLE-R-214	Min P	-17144.067	363.899	459.808	3.0697	9588.0168	4565.3632
f-p1	SLE-R-214	Max M2	-16672.601	363.827	461.481	1.9548	10741.7439	4564.4541
f-p1	SLE-R-214	Min M2	-15525.057	362.859	462.218	4.8518	5733.7243	4552.1529
f-p1	SLE-R-214	Max M3	-16254.395	377.079	461.099	4.1337	8272.0263	4732.7567
f-p1	SLE-R-214	Min M3	-16353.106	350.144	460.723	1.1689	8347.1794	4390.6762
f-p1	SLE-R-215	Max P	-14901.452	394.824	-451.347	-3.8872	-6464.5762	4946.4739
f-p1	SLE-R-215	Min P	-17103.839	389.713	-445.74	-3.6006	-9438.3333	4881.5608
f-p1	SLE-R-215	Max M2	-15477.83	392.438	-448.278	-5.3808	-5440.3658	4916.1667
f-p1	SLE-R-215	Min M2	-16615.669	390.35	-447.145	-2.6207	-10444.1607	4889.6551
f-p1	SLE-R-215	Max M3	-16189.22	402.216	-446.732	-4.744	-7863.4021	5040.3433

f-p1	SLE-R-215	Min M3	-16310.81	379.104	-446.394	-1.8921	-8210.0968	4746.8291
f-p1	SLE-R-216	Max P	-14934.233	394.839	-444.782	-5.5757	-6367.545	4946.6628
f-p1	SLE-R-216	Min P	-17140.166	392.135	-450.125	-5.9327	-3594.0266	4912.3227
f-p1	SLE-R-216	Max M2	-16668.7	392.064	-448.452	-7.0476	-2440.2995	4911.4135
f-p1	SLE-R-216	Min M2	-15521.156	391.095	-447.715	-4.1506	-7448.3191	4899.1124
f-p1	SLE-R-216	Max M3	-16250.494	405.316	-448.834	-4.8687	-4910.0171	5079.7162
f-p1	SLE-R-216	Min M3	-16349.205	378.38	-449.21	-7.8335	-4834.864	4737.6357
f-p1	SLE-R-217	Max P	-15446.553	367.521	458.676	5.155	6620.7321	4611.3686
f-p1	SLE-R-217	Min P	-17648.94	362.41	464.282	5.4416	3646.975	4546.4555
f-p1	SLE-R-217	Max M2	-16022.931	365.135	461.744	3.6615	7644.9425	4581.0614
f-p1	SLE-R-217	Min M2	-17160.77	363.047	462.878	6.4215	2641.1476	4554.5498
f-p1	SLE-R-217	Max M3	-16734.321	374.913	463.29	4.2983	5221.9061	4705.238
f-p1	SLE-R-217	Min M3	-16855.911	351.801	463.628	7.1501	4875.2115	4411.7238
f-p1	SLE-R-218	Max P	-15479.334	367.536	465.24	3.4666	6717.7633	4611.5575
f-p1	SLE-R-218	Min P	-17685.267	364.832	459.898	3.1096	9491.2816	4577.2174
f-p1	SLE-R-218	Max M2	-17213.801	364.761	461.571	1.9947	10645.0088	4576.3082
f-p1	SLE-R-218	Min M2	-16066.257	363.792	462.308	4.8917	5636.9892	4564.0071
f-p1	SLE-R-218	Max M3	-16795.595	378.013	461.188	4.1736	8175.2911	4744.6109
f-p1	SLE-R-218	Min M3	-16894.306	351.077	460.812	1.2088	8250.4442	4402.5304
f-p1	SLE-R-219	Max P	-15442.652	395.758	-451.257	-3.8474	-6561.3113	4958.3281
f-p1	SLE-R-219	Min P	-17645.039	390.646	-445.651	-3.5608	-9535.0684	4893.415
f-p1	SLE-R-219	Max M2	-16019.03	393.371	-448.189	-5.3409	-5537.1009	4928.0209
f-p1	SLE-R-219	Min M2	-17156.869	391.284	-447.055	-2.5809	-10540.8958	4901.5093
f-p1	SLE-R-219	Max M3	-16730.42	403.149	-446.642	-4.7041	-7960.1372	5052.1975
f-p1	SLE-R-219	Min M3	-16852.011	380.038	-446.305	-1.8522	-8306.8319	4758.6833
f-p1	SLE-R-220	Max P	-15475.434	395.773	-444.692	-5.5358	-6464.2801	4958.517
f-p1	SLE-R-220	Min P	-17681.366	393.069	-450.035	-5.8928	-3690.7618	4924.1768
f-p1	SLE-R-220	Max M2	-17209.9	392.997	-448.362	-7.0077	-2537.0346	4923.2677
f-p1	SLE-R-220	Min M2	-16062.356	392.028	-447.625	-4.1107	-7545.0542	4910.9666
f-p1	SLE-R-220	Max M3	-16791.694	406.249	-448.745	-4.8288	-5006.7523	5091.5704
f-p1	SLE-R-220	Min M3	-16890.405	379.314	-449.121	-7.7936	-4931.5992	4749.4898
f-p1	SLE-R-221	Max P	-15151.082	369.62	458.692	5.0775	6746.7088	4638.0215
f-p1	SLE-R-221	Min P	-17353.469	364.509	464.298	5.3641	3772.9517	4573.1084
f-p1	SLE-R-221	Max M2	-15727.461	367.234	461.76	3.5839	7770.9192	4607.7143
f-p1	SLE-R-221	Min M2	-16865.3	365.146	462.894	6.344	2767.1243	4581.2027
f-p1	SLE-R-221	Max M3	-16438.851	377.011	463.306	4.2207	5347.8829	4731.8909
f-p1	SLE-R-221	Min M3	-16560.441	353.9	463.644	7.0726	5001.1882	4438.3767
f-p1	SLE-R-222	Max P	-15183.864	369.635	465.256	3.389	6843.74	4638.2104
f-p1	SLE-R-222	Min P	-17389.796	366.931	459.913	3.032	9617.2584	4603.8702
f-p1	SLE-R-222	Max M2	-16918.331	366.859	461.586	1.9171	10770.9855	4602.9611
f-p1	SLE-R-222	Min M2	-15770.786	365.891	462.324	4.8141	5762.9659	4590.66
f-p1	SLE-R-222	Max M3	-16500.124	380.111	461.204	4.0961	8301.2679	4771.2638
f-p1	SLE-R-222	Min M3	-16598.836	353.176	460.828	1.1312	8376.4209	4429.1833
f-p1	SLE-R-223	Max P	-15147.181	397.856	-451.241	-3.9249	-6435.3346	4984.9809
f-p1	SLE-R-223	Min P	-17349.568	392.745	-445.635	-3.6383	-9409.0917	4920.0679
f-p1	SLE-R-223	Max M2	-15723.56	395.47	-448.173	-5.4184	-5411.1242	4954.6738
f-p1	SLE-R-223	Min M2	-16861.399	393.382	-447.039	-2.6584	-10414.9191	4928.1622
f-p1	SLE-R-223	Max M3	-16434.95	405.248	-446.627	-4.7817	-7834.1605	5078.8504
f-p1	SLE-R-223	Min M3	-16556.54	382.136	-446.289	-1.9298	-8180.8552	4785.3361
f-p1	SLE-R-224	Max P	-15179.963	397.871	-444.677	-5.6134	-6338.3034	4985.1699
f-p1	SLE-R-224	Min P	-17385.895	395.167	-450.02	-5.9703	-3564.785	4950.8297

f-p1	SLE-R-224	Max M2	-16914.43	395.096	-448.346	-7.0852	-2411.0579	4949.9206
f-p1	SLE-R-224	Min M2	-15766.886	394.127	-447.609	-4.1883	-7419.0775	4937.6194
f-p1	SLE-R-224	Max M3	-16496.224	408.348	-448.729	-4.9063	-4880.7755	5118.2233
f-p1	SLE-R-224	Min M3	-16594.935	381.412	-449.105	-7.8712	-4805.6224	4776.1427

12.1.9. PILA 1-SOLLECITAZIONI FONDAZIONE-COMBINAZIONI SLE FREQUENTI

TABLE: Element Forces - Frames								
Frame	OutputCase	StepType	P	V2	V3	T	M2	M3
Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
f-p1	SLE-FR-1	Max P	-15258.809	-179.837	-6.907	0.9886	-89.4561	-2252.9352
f-p1	SLE-FR-1	Min P	-17461.196	-184.949	-1.301	1.2752	-3063.2132	-2317.8482
f-p1	SLE-FR-1	Max M2	-15835.187	-182.224	-3.839	-0.5049	934.7544	-2283.2424
f-p1	SLE-FR-1	Min M2	-16973.026	-184.311	-2.705	2.2551	-4069.0406	-2309.7539
f-p1	SLE-FR-1	Max M3	-16546.577	-172.446	-2.293	0.1319	-1488.282	-2159.0657
f-p1	SLE-FR-1	Min M3	-16668.168	-195.558	-1.955	2.9838	-1834.9766	-2452.58
f-p1	SLE-FR-2	Max P	-15291.591	-179.823	-0.342	-0.6998	7.5751	-2252.7462
f-p1	SLE-FR-2	Min P	-17497.523	-182.527	-5.685	-1.0568	2781.0935	-2287.0864
f-p1	SLE-FR-2	Max M2	-17026.057	-182.598	-4.012	-2.1717	3934.8206	-2287.9955
f-p1	SLE-FR-2	Min M2	-15878.513	-183.567	-3.275	0.7253	-1073.1989	-2300.2967
f-p1	SLE-FR-2	Max M3	-16607.851	-169.346	-4.395	0.0072	1465.103	-2119.6929
f-p1	SLE-FR-2	Min M3	-16706.562	-196.282	-4.771	-2.9576	1540.2561	-2461.7734
f-p1	SLE-FR-3	Max P	-14963.338	-177.739	-6.891	0.9111	36.5207	-2226.2823
f-p1	SLE-FR-3	Min P	-17165.725	-182.85	-1.285	1.1977	-2937.2364	-2291.1953
f-p1	SLE-FR-3	Max M2	-15539.717	-180.125	-3.823	-0.5824	1060.7311	-2256.5895
f-p1	SLE-FR-3	Min M2	-16677.556	-182.213	-2.689	2.1776	-3943.0639	-2283.101
f-p1	SLE-FR-3	Max M3	-16251.107	-170.348	-2.277	0.0543	-1362.3053	-2132.4129
f-p1	SLE-FR-3	Min M3	-16372.697	-193.459	-1.939	2.9062	-1708.9999	-2425.9271
f-p1	SLE-FR-4	Max P	-14996.12	-177.724	-0.327	-0.7774	133.5519	-2226.0934
f-p1	SLE-FR-4	Min P	-17202.052	-180.428	-5.67	-1.1343	2907.0702	-2260.4335
f-p1	SLE-FR-4	Max M2	-16730.587	-180.5	-3.996	-2.2492	4060.7974	-2261.3426
f-p1	SLE-FR-4	Min M2	-15583.043	-181.468	-3.259	0.6477	-947.2222	-2273.6438
f-p1	SLE-FR-4	Max M3	-16312.381	-167.247	-4.379	-0.0703	1591.0797	-2093.04
f-p1	SLE-FR-4	Min M3	-16411.092	-194.183	-4.755	-3.0352	1666.2328	-2435.1205
f-p1	SLE-FR-5	Max P	-15258.809	-179.837	-6.907	0.9886	-89.4561	-2252.9352
f-p1	SLE-FR-5	Min P	-17461.196	-184.949	-1.301	1.2752	-3063.2132	-2317.8482
f-p1	SLE-FR-5	Max M2	-15835.187	-182.224	-3.839	-0.5049	934.7544	-2283.2424
f-p1	SLE-FR-5	Min M2	-16973.026	-184.311	-2.705	2.2551	-4069.0406	-2309.7539
f-p1	SLE-FR-5	Max M3	-16546.577	-172.446	-2.293	0.1319	-1488.282	-2159.0657
f-p1	SLE-FR-5	Min M3	-16668.168	-195.558	-1.955	2.9838	-1834.9766	-2452.58
f-p1	SLE-FR-6	Max P	-15291.591	-179.823	-0.342	-0.6998	7.5751	-2252.7462
f-p1	SLE-FR-6	Min P	-17497.523	-182.527	-5.685	-1.0568	2781.0935	-2287.0864
f-p1	SLE-FR-6	Max M2	-17026.057	-182.598	-4.012	-2.1717	3934.8206	-2287.9955
f-p1	SLE-FR-6	Min M2	-15878.513	-183.567	-3.275	0.7253	-1073.1989	-2300.2967
f-p1	SLE-FR-6	Max M3	-16607.851	-169.346	-4.395	0.0072	1465.103	-2119.6929
f-p1	SLE-FR-6	Min M3	-16706.562	-196.282	-4.771	-2.9576	1540.2561	-2461.7734
f-p1	SLE-FR-7	Max P	-14963.338	-177.739	-6.891	0.9111	36.5207	-2226.2823
f-p1	SLE-FR-7	Min P	-17165.725	-182.85	-1.285	1.1977	-2937.2364	-2291.1953
f-p1	SLE-FR-7	Max M2	-15539.717	-180.125	-3.823	-0.5824	1060.7311	-2256.5895
f-p1	SLE-FR-7	Min M2	-16677.556	-182.213	-2.689	2.1776	-3943.0639	-2283.101

f-p1	SLE-FR-7	Max M3	-16251.107	-170.348	-2.277	0.0543	-1362.3053	-2132.4129
f-p1	SLE-FR-7	Min M3	-16372.697	-193.459	-1.939	2.9062	-1708.9999	-2425.9271
f-p1	SLE-FR-8	Max P	-14996.12	-177.724	-0.327	-0.7774	133.5519	-2226.0934
f-p1	SLE-FR-8	Min P	-17202.052	-180.428	-5.67	-1.1343	2907.0702	-2260.4335
f-p1	SLE-FR-8	Max M2	-16730.587	-180.5	-3.996	-2.2492	4060.7974	-2261.3426
f-p1	SLE-FR-8	Min M2	-15583.043	-181.468	-3.259	0.6477	-947.2222	-2273.6438
f-p1	SLE-FR-8	Max M3	-16312.381	-167.247	-4.379	-0.0703	1591.0797	-2093.04
f-p1	SLE-FR-8	Min M3	-16411.092	-194.183	-4.755	-3.0352	1666.2328	-2435.1205
f-p1	SLE-FR-9	Max P	-15381.673	-178.321	-6.854	0.9698	-74.8353	-2233.6817
f-p1	SLE-FR-9	Min P	-17584.061	-183.433	-1.248	1.2564	-3048.5924	-2298.5947
f-p1	SLE-FR-9	Max M2	-15958.052	-180.708	-3.786	-0.5237	949.3751	-2263.9888
f-p1	SLE-FR-9	Min M2	-17095.891	-182.795	-2.652	2.2363	-4054.4198	-2290.5004
f-p1	SLE-FR-9	Max M3	-16669.442	-170.93	-2.24	0.113	-1473.6612	-2139.8122
f-p1	SLE-FR-9	Min M3	-16791.032	-194.042	-1.902	2.9649	-1820.3558	-2433.3264
f-p1	SLE-FR-10	Max P	-15414.455	-178.307	-0.29	-0.7187	22.1959	-2233.4927
f-p1	SLE-FR-10	Min P	-17620.388	-181.011	-5.633	-1.0756	2795.7143	-2267.8329
f-p1	SLE-FR-10	Max M2	-17148.922	-181.082	-3.96	-2.1905	3949.4414	-2268.742
f-p1	SLE-FR-10	Min M2	-16001.378	-182.051	-3.222	0.7064	-1058.5781	-2281.0432
f-p1	SLE-FR-10	Max M3	-16730.716	-167.83	-4.342	-0.0116	1479.7238	-2100.4393
f-p1	SLE-FR-10	Min M3	-16829.427	-194.765	-4.718	-2.9765	1554.8769	-2442.5199
f-p1	SLE-FR-11	Max P	-15086.203	-176.223	-6.839	0.8923	51.1414	-2207.0288
f-p1	SLE-FR-11	Min P	-17288.59	-181.334	-1.232	1.1789	-2922.6157	-2271.9418
f-p1	SLE-FR-11	Max M2	-15662.582	-178.609	-3.77	-0.6013	1075.3519	-2237.3359
f-p1	SLE-FR-11	Min M2	-16800.421	-180.697	-2.637	2.1588	-3928.4431	-2263.8475
f-p1	SLE-FR-11	Max M3	-16373.972	-168.832	-2.224	0.0355	-1347.6845	-2113.1593
f-p1	SLE-FR-11	Min M3	-16495.562	-191.943	-1.886	2.8874	-1694.3791	-2406.6736
f-p1	SLE-FR-12	Max P	-15118.985	-176.208	-0.274	-0.7962	148.1727	-2206.8398
f-p1	SLE-FR-12	Min P	-17324.917	-178.912	-5.617	-1.1532	2921.691	-2241.18
f-p1	SLE-FR-12	Max M2	-16853.452	-178.984	-3.944	-2.2681	4075.4182	-2242.0891
f-p1	SLE-FR-12	Min M2	-15705.907	-179.952	-3.207	0.6289	-932.6014	-2254.3903
f-p1	SLE-FR-12	Max M3	-16435.245	-165.731	-4.326	-0.0892	1605.7005	-2073.7864
f-p1	SLE-FR-12	Min M3	-16533.957	-192.667	-4.702	-3.054	1680.8536	-2415.867
f-p1	SLE-FR-13	Max P	-15381.673	-178.321	-6.854	0.9698	-74.8353	-2233.6817
f-p1	SLE-FR-13	Min P	-17584.061	-183.433	-1.248	1.2564	-3048.5924	-2298.5947
f-p1	SLE-FR-13	Max M2	-15958.052	-180.708	-3.786	-0.5237	949.3751	-2263.9888
f-p1	SLE-FR-13	Min M2	-17095.891	-182.795	-2.652	2.2363	-4054.4198	-2290.5004
f-p1	SLE-FR-13	Max M3	-16669.442	-170.93	-2.24	0.113	-1473.6612	-2139.8122
f-p1	SLE-FR-13	Min M3	-16791.032	-194.042	-1.902	2.9649	-1820.3558	-2433.3264
f-p1	SLE-FR-14	Max P	-15414.455	-178.307	-0.29	-0.7187	22.1959	-2233.4927
f-p1	SLE-FR-14	Min P	-17620.388	-181.011	-5.633	-1.0756	2795.7143	-2267.8329
f-p1	SLE-FR-14	Max M2	-17148.922	-181.082	-3.96	-2.1905	3949.4414	-2268.742
f-p1	SLE-FR-14	Min M2	-16001.378	-182.051	-3.222	0.7064	-1058.5781	-2281.0432
f-p1	SLE-FR-14	Max M3	-16730.716	-167.83	-4.342	-0.0116	1479.7238	-2100.4393
f-p1	SLE-FR-14	Min M3	-16829.427	-194.765	-4.718	-2.9765	1554.8769	-2442.5199
f-p1	SLE-FR-15	Max P	-15086.203	-176.223	-6.839	0.8923	51.1414	-2207.0288
f-p1	SLE-FR-15	Min P	-17288.59	-181.334	-1.232	1.1789	-2922.6157	-2271.9418
f-p1	SLE-FR-15	Max M2	-15662.582	-178.609	-3.77	-0.6013	1075.3519	-2237.3359
f-p1	SLE-FR-15	Min M2	-16800.421	-180.697	-2.637	2.1588	-3928.4431	-2263.8475
f-p1	SLE-FR-15	Max M3	-16373.972	-168.832	-2.224	0.0355	-1347.6845	-2113.1593
f-p1	SLE-FR-15	Min M3	-16495.562	-191.943	-1.886	2.8874	-1694.3791	-2406.6736
f-p1	SLE-FR-16	Max P	-15118.985	-176.208	-0.274	-0.7962	148.1727	-2206.8398

f-p1	SLE-FR-16	Min P	-17324.917	-178.912	-5.617	-1.1532	2921.691	-2241.18
f-p1	SLE-FR-16	Max M2	-16853.452	-178.984	-3.944	-2.2681	4075.4182	-2242.0891
f-p1	SLE-FR-16	Min M2	-15705.907	-179.952	-3.207	0.6289	-932.6014	-2254.3903
f-p1	SLE-FR-16	Max M3	-16435.245	-165.731	-4.326	-0.0892	1605.7005	-2073.7864
f-p1	SLE-FR-16	Min M3	-16533.957	-192.667	-4.702	-3.054	1680.8536	-2415.867
f-p1	SLE-FR-17	Max P	-15478.718	-188.558	148.259	1.568	2113.6323	-2361.7418
f-p1	SLE-FR-17	Min P	-15478.718	-188.558	148.259	1.568	2113.6323	-2361.7418
f-p1	SLE-FR-17	Max M2	-15478.718	-188.558	148.259	1.568	2113.6323	-2361.7418
f-p1	SLE-FR-17	Min M2	-15478.718	-188.558	148.259	1.568	2113.6323	-2361.7418
f-p1	SLE-FR-17	Max M3	-15478.718	-188.558	148.259	1.568	2113.6323	-2361.7418
f-p1	SLE-FR-17	Min M3	-15478.718	-188.558	148.259	1.568	2113.6323	-2361.7418
f-p1	SLE-FR-18	Max P	-15477.418	-179.146	-155.052	-1.4328	-2280.3822	-2246.0886
f-p1	SLE-FR-18	Min P	-15477.418	-179.146	-155.052	-1.4328	-2280.3822	-2246.0886
f-p1	SLE-FR-18	Max M2	-15477.418	-179.146	-155.052	-1.4328	-2280.3822	-2246.0886
f-p1	SLE-FR-18	Min M2	-15477.418	-179.146	-155.052	-1.4328	-2280.3822	-2246.0886
f-p1	SLE-FR-18	Max M3	-15477.418	-179.146	-155.052	-1.4328	-2280.3822	-2246.0886
f-p1	SLE-FR-18	Min M3	-15477.418	-179.146	-155.052	-1.4328	-2280.3822	-2246.0886
f-p1	SLE-FR-19	Max P	-15183.248	-186.459	148.274	1.4905	2239.609	-2335.0889
f-p1	SLE-FR-19	Min P	-15183.248	-186.459	148.274	1.4905	2239.609	-2335.0889
f-p1	SLE-FR-19	Max M2	-15183.248	-186.459	148.274	1.4905	2239.609	-2335.0889
f-p1	SLE-FR-19	Min M2	-15183.248	-186.459	148.274	1.4905	2239.609	-2335.0889
f-p1	SLE-FR-19	Max M3	-15183.248	-186.459	148.274	1.4905	2239.609	-2335.0889
f-p1	SLE-FR-19	Min M3	-15183.248	-186.459	148.274	1.4905	2239.609	-2335.0889
f-p1	SLE-FR-20	Max P	-15181.948	-177.047	-155.037	-1.5103	-2154.4055	-2219.4357
f-p1	SLE-FR-20	Min P	-15181.948	-177.047	-155.037	-1.5103	-2154.4055	-2219.4357
f-p1	SLE-FR-20	Max M2	-15181.948	-177.047	-155.037	-1.5103	-2154.4055	-2219.4357
f-p1	SLE-FR-20	Min M2	-15181.948	-177.047	-155.037	-1.5103	-2154.4055	-2219.4357
f-p1	SLE-FR-20	Max M3	-15181.948	-177.047	-155.037	-1.5103	-2154.4055	-2219.4357
f-p1	SLE-FR-20	Min M3	-15181.948	-177.047	-155.037	-1.5103	-2154.4055	-2219.4357
f-p1	SLE-FR-21	Max P	-15601.583	-187.042	148.311	1.5492	2128.2531	-2342.4882
f-p1	SLE-FR-21	Min P	-15601.583	-187.042	148.311	1.5492	2128.2531	-2342.4882
f-p1	SLE-FR-21	Max M2	-15601.583	-187.042	148.311	1.5492	2128.2531	-2342.4882
f-p1	SLE-FR-21	Min M2	-15601.583	-187.042	148.311	1.5492	2128.2531	-2342.4882
f-p1	SLE-FR-21	Max M3	-15601.583	-187.042	148.311	1.5492	2128.2531	-2342.4882
f-p1	SLE-FR-21	Min M3	-15601.583	-187.042	148.311	1.5492	2128.2531	-2342.4882
f-p1	SLE-FR-22	Max P	-15600.283	-177.63	-155	-1.4516	-2265.7614	-2226.8351
f-p1	SLE-FR-22	Min P	-15600.283	-177.63	-155	-1.4516	-2265.7614	-2226.8351
f-p1	SLE-FR-22	Max M2	-15600.283	-177.63	-155	-1.4516	-2265.7614	-2226.8351
f-p1	SLE-FR-22	Min M2	-15600.283	-177.63	-155	-1.4516	-2265.7614	-2226.8351
f-p1	SLE-FR-22	Max M3	-15600.283	-177.63	-155	-1.4516	-2265.7614	-2226.8351
f-p1	SLE-FR-22	Min M3	-15600.283	-177.63	-155	-1.4516	-2265.7614	-2226.8351
f-p1	SLE-FR-23	Max P	-15306.113	-184.943	148.327	1.4717	2254.2298	-2315.8354
f-p1	SLE-FR-23	Min P	-15306.113	-184.943	148.327	1.4717	2254.2298	-2315.8354
f-p1	SLE-FR-23	Max M2	-15306.113	-184.943	148.327	1.4717	2254.2298	-2315.8354
f-p1	SLE-FR-23	Min M2	-15306.113	-184.943	148.327	1.4717	2254.2298	-2315.8354
f-p1	SLE-FR-23	Max M3	-15306.113	-184.943	148.327	1.4717	2254.2298	-2315.8354
f-p1	SLE-FR-23	Min M3	-15306.113	-184.943	148.327	1.4717	2254.2298	-2315.8354
f-p1	SLE-FR-24	Max P	-15304.813	-175.531	-154.984	-1.5291	-2139.7847	-2200.1822
f-p1	SLE-FR-24	Min P	-15304.813	-175.531	-154.984	-1.5291	-2139.7847	-2200.1822
f-p1	SLE-FR-24	Max M2	-15304.813	-175.531	-154.984	-1.5291	-2139.7847	-2200.1822
f-p1	SLE-FR-24	Min M2	-15304.813	-175.531	-154.984	-1.5291	-2139.7847	-2200.1822

f-p1	SLE-FR-24	Max M3	-15304.813	-175.531	-154.984	-1.5291	-2139.7847	-2200.1822
f-p1	SLE-FR-24	Min M3	-15304.813	-175.531	-154.984	-1.5291	-2139.7847	-2200.1822
f-p1	SLE-FR-25	Max P	-15465.828	-220.827	-4.095	0.0792	-81.938	-2767.3076
f-p1	SLE-FR-25	Min P	-15465.828	-220.827	-4.095	0.0792	-81.938	-2767.3076
f-p1	SLE-FR-25	Max M2	-15465.828	-220.827	-4.095	0.0792	-81.938	-2767.3076
f-p1	SLE-FR-25	Min M2	-15465.828	-220.827	-4.095	0.0792	-81.938	-2767.3076
f-p1	SLE-FR-25	Max M3	-15465.828	-220.827	-4.095	0.0792	-81.938	-2767.3076
f-p1	SLE-FR-25	Min M3	-15465.828	-220.827	-4.095	0.0792	-81.938	-2767.3076
f-p1	SLE-FR-26	Max P	-15613.266	-219.008	-4.032	0.0566	-64.393	-2744.2034
f-p1	SLE-FR-26	Min P	-15613.266	-219.008	-4.032	0.0566	-64.393	-2744.2034
f-p1	SLE-FR-26	Max M2	-15613.266	-219.008	-4.032	0.0566	-64.393	-2744.2034
f-p1	SLE-FR-26	Min M2	-15613.266	-219.008	-4.032	0.0566	-64.393	-2744.2034
f-p1	SLE-FR-26	Max M3	-15613.266	-219.008	-4.032	0.0566	-64.393	-2744.2034
f-p1	SLE-FR-26	Min M3	-15613.266	-219.008	-4.032	0.0566	-64.393	-2744.2034
f-p1	SLE-FR-27	Max P	-15170.358	-218.729	-4.079	0.0017	44.0387	-2740.6547
f-p1	SLE-FR-27	Min P	-15170.358	-218.729	-4.079	0.0017	44.0387	-2740.6547
f-p1	SLE-FR-27	Max M2	-15170.358	-218.729	-4.079	0.0017	44.0387	-2740.6547
f-p1	SLE-FR-27	Min M2	-15170.358	-218.729	-4.079	0.0017	44.0387	-2740.6547
f-p1	SLE-FR-27	Max M3	-15170.358	-218.729	-4.079	0.0017	44.0387	-2740.6547
f-p1	SLE-FR-27	Min M3	-15170.358	-218.729	-4.079	0.0017	44.0387	-2740.6547
f-p1	SLE-FR-28	Max P	-15317.795	-216.909	-4.016	-0.0209	61.5837	-2717.5505
f-p1	SLE-FR-28	Min P	-15317.795	-216.909	-4.016	-0.0209	61.5837	-2717.5505
f-p1	SLE-FR-28	Max M2	-15317.795	-216.909	-4.016	-0.0209	61.5837	-2717.5505
f-p1	SLE-FR-28	Min M2	-15317.795	-216.909	-4.016	-0.0209	61.5837	-2717.5505
f-p1	SLE-FR-28	Max M3	-15317.795	-216.909	-4.016	-0.0209	61.5837	-2717.5505
f-p1	SLE-FR-28	Min M3	-15317.795	-216.909	-4.016	-0.0209	61.5837	-2717.5505
f-p1	SLE-FR-29	Max P	-15260.171	194.105	0.143	0.7575	-1.1791	2434.1498
f-p1	SLE-FR-29	Min P	-17462.558	188.994	5.749	1.0441	-2974.9362	2369.2368
f-p1	SLE-FR-29	Max M2	-15836.55	191.718	3.211	-0.7361	1023.0313	2403.8427
f-p1	SLE-FR-29	Min M2	-16974.389	189.631	4.345	2.024	-3980.7636	2377.3311
f-p1	SLE-FR-29	Max M3	-16547.94	201.496	4.757	-0.0993	-1400.005	2528.0193
f-p1	SLE-FR-29	Min M3	-16669.53	178.385	5.095	2.7526	-1746.6996	2234.505
f-p1	SLE-FR-30	Max P	-15292.953	194.12	6.707	-0.931	95.8521	2434.3388
f-p1	SLE-FR-30	Min P	-17498.885	191.416	1.365	-1.288	2869.3705	2399.9986
f-p1	SLE-FR-30	Max M2	-17027.42	191.344	3.038	-2.4029	4023.0976	2399.0895
f-p1	SLE-FR-30	Min M2	-15879.875	190.376	3.775	0.4941	-984.922	2386.7883
f-p1	SLE-FR-30	Max M3	-16609.213	204.596	2.655	-0.224	1553.38	2567.3922
f-p1	SLE-FR-30	Min M3	-16707.925	177.661	2.279	-3.1888	1628.5331	2225.3116
f-p1	SLE-FR-31	Max P	-14964.701	196.204	0.159	0.6799	124.7976	2460.8027
f-p1	SLE-FR-31	Min P	-17167.088	191.092	5.765	0.9665	-2848.9595	2395.8897
f-p1	SLE-FR-31	Max M2	-15541.079	193.817	3.227	-0.8136	1149.008	2430.4955
f-p1	SLE-FR-31	Min M2	-16678.918	191.73	4.361	1.9464	-3854.7869	2403.984
f-p1	SLE-FR-31	Max M3	-16252.469	203.595	4.773	-0.1768	-1274.0283	2554.6722
f-p1	SLE-FR-31	Min M3	-16374.06	180.483	5.111	2.675	-1620.7229	2261.1579
f-p1	SLE-FR-32	Max P	-14997.483	196.218	6.723	-1.0085	221.8288	2460.9917
f-p1	SLE-FR-32	Min P	-17203.415	193.514	1.38	-1.3655	2995.3472	2426.6515
f-p1	SLE-FR-32	Max M2	-16731.949	193.443	3.053	-2.4804	4149.0743	2425.7424
f-p1	SLE-FR-32	Min M2	-15584.405	192.474	3.791	0.4166	-858.9453	2413.4412
f-p1	SLE-FR-32	Max M3	-16313.743	206.695	2.671	-0.3015	1679.3567	2594.0451
f-p1	SLE-FR-32	Min M3	-16412.454	179.76	2.295	-3.2663	1754.5098	2251.9645
f-p1	SLE-FR-33	Max P	-15260.171	194.105	0.143	0.7575	-1.1791	2434.1498

f-p1	SLE-FR-33	Min P	-17462.558	188.994	5.749	1.0441	-2974.9362	2369.2368
f-p1	SLE-FR-33	Max M2	-15836.55	191.718	3.211	-0.7361	1023.0313	2403.8427
f-p1	SLE-FR-33	Min M2	-16974.389	189.631	4.345	2.024	-3980.7636	2377.3311
f-p1	SLE-FR-33	Max M3	-16547.94	201.496	4.757	-0.0993	-1400.005	2528.0193
f-p1	SLE-FR-33	Min M3	-16669.53	178.385	5.095	2.7526	-1746.6996	2234.505
f-p1	SLE-FR-34	Max P	-15292.953	194.12	6.707	-0.931	95.8521	2434.3388
f-p1	SLE-FR-34	Min P	-17498.885	191.416	1.365	-1.288	2869.3705	2399.9986
f-p1	SLE-FR-34	Max M2	-17027.42	191.344	3.038	-2.4029	4023.0976	2399.0895
f-p1	SLE-FR-34	Min M2	-15879.875	190.376	3.775	0.4941	-984.922	2386.7883
f-p1	SLE-FR-34	Max M3	-16609.213	204.596	2.655	-0.224	1553.38	2567.3922
f-p1	SLE-FR-34	Min M3	-16707.925	177.661	2.279	-3.1888	1628.5331	2225.3116
f-p1	SLE-FR-35	Max P	-14964.701	196.204	0.159	0.6799	124.7976	2460.8027
f-p1	SLE-FR-35	Min P	-17167.088	191.092	5.765	0.9665	-2848.9595	2395.8897
f-p1	SLE-FR-35	Max M2	-15541.079	193.817	3.227	-0.8136	1149.008	2430.4955
f-p1	SLE-FR-35	Min M2	-16678.918	191.73	4.361	1.9464	-3854.7869	2403.984
f-p1	SLE-FR-35	Max M3	-16252.469	203.595	4.773	-0.1768	-1274.0283	2554.6722
f-p1	SLE-FR-35	Min M3	-16374.06	180.483	5.111	2.675	-1620.7229	2261.1579
f-p1	SLE-FR-36	Max P	-14997.483	196.218	6.723	-1.0085	221.8288	2460.9917
f-p1	SLE-FR-36	Min P	-17203.415	193.514	1.38	-1.3655	2995.3472	2426.6515
f-p1	SLE-FR-36	Max M2	-16731.949	193.443	3.053	-2.4804	4149.0743	2425.7424
f-p1	SLE-FR-36	Min M2	-15584.405	192.474	3.791	0.4166	-858.9453	2413.4412
f-p1	SLE-FR-36	Max M3	-16313.743	206.695	2.671	-0.3015	1679.3567	2594.0451
f-p1	SLE-FR-36	Min M3	-16412.454	179.76	2.295	-3.2663	1754.5098	2251.9645
f-p1	SLE-FR-37	Max P	-15383.036	195.621	0.195	0.7386	13.4417	2453.4034
f-p1	SLE-FR-37	Min P	-17585.423	190.51	5.802	1.0252	-2960.3154	2388.4903
f-p1	SLE-FR-37	Max M2	-15959.414	193.235	3.264	-0.7549	1037.6521	2423.0962
f-p1	SLE-FR-37	Min M2	-17097.254	191.147	4.398	2.0051	-3966.1428	2396.5846
f-p1	SLE-FR-37	Max M3	-16670.804	203.012	4.81	-0.1181	-1385.3842	2547.2728
f-p1	SLE-FR-37	Min M3	-16792.395	179.901	5.148	2.7338	-1732.0789	2253.7586
f-p1	SLE-FR-38	Max P	-15415.818	195.636	6.76	-0.9498	110.4729	2453.5923
f-p1	SLE-FR-38	Min P	-17621.75	192.932	1.417	-1.3068	2883.9913	2419.2522
f-p1	SLE-FR-38	Max M2	-17150.285	192.86	3.09	-2.4217	4037.7184	2418.343
f-p1	SLE-FR-38	Min M2	-16002.74	191.892	3.827	0.4753	-970.3012	2406.0419
f-p1	SLE-FR-38	Max M3	-16732.078	206.112	2.708	-0.2428	1568.0008	2586.6457
f-p1	SLE-FR-38	Min M3	-16830.79	179.177	2.332	-3.2076	1643.1539	2244.5652
f-p1	SLE-FR-39	Max P	-15087.566	197.72	0.211	0.6611	139.4184	2480.0562
f-p1	SLE-FR-39	Min P	-17289.953	192.608	5.818	0.9477	-2834.3387	2415.1432
f-p1	SLE-FR-39	Max M2	-15663.944	195.333	3.28	-0.8324	1163.6288	2449.7491
f-p1	SLE-FR-39	Min M2	-16801.783	193.246	4.413	1.9276	-3840.1661	2423.2375
f-p1	SLE-FR-39	Max M3	-16375.334	205.111	4.826	-0.1957	-1259.4075	2573.9257
f-p1	SLE-FR-39	Min M3	-16496.925	181.999	5.164	2.6562	-1606.1021	2280.4115
f-p1	SLE-FR-40	Max P	-15120.348	197.734	6.776	-1.0274	236.4496	2480.2452
f-p1	SLE-FR-40	Min P	-17326.28	195.03	1.433	-1.3843	3009.968	2445.905
f-p1	SLE-FR-40	Max M2	-16854.814	194.959	3.106	-2.4992	4163.6951	2444.9959
f-p1	SLE-FR-40	Min M2	-15707.27	193.99	3.843	0.3977	-844.3245	2432.6948
f-p1	SLE-FR-40	Max M3	-16436.608	208.211	2.724	-0.3203	1693.9775	2613.2986
f-p1	SLE-FR-40	Min M3	-16535.319	181.276	2.348	-3.2852	1769.1306	2271.218
f-p1	SLE-FR-41	Max P	-15383.036	195.621	0.195	0.7386	13.4417	2453.4034
f-p1	SLE-FR-41	Min P	-17585.423	190.51	5.802	1.0252	-2960.3154	2388.4903
f-p1	SLE-FR-41	Max M2	-15959.414	193.235	3.264	-0.7549	1037.6521	2423.0962
f-p1	SLE-FR-41	Min M2	-17097.254	191.147	4.398	2.0051	-3966.1428	2396.5846

f-p1	SLE-FR-41	Max M3	-16670.804	203.012	4.81	-0.1181	-1385.3842	2547.2728
f-p1	SLE-FR-41	Min M3	-16792.395	179.901	5.148	2.7338	-1732.0789	2253.7586
f-p1	SLE-FR-42	Max P	-15415.818	195.636	6.76	-0.9498	110.4729	2453.5923
f-p1	SLE-FR-42	Min P	-17621.75	192.932	1.417	-1.3068	2883.9913	2419.2522
f-p1	SLE-FR-42	Max M2	-17150.285	192.86	3.09	-2.4217	4037.7184	2418.343
f-p1	SLE-FR-42	Min M2	-16002.74	191.892	3.827	0.4753	-970.3012	2406.0419
f-p1	SLE-FR-42	Max M3	-16732.078	206.112	2.708	-0.2428	1568.0008	2586.6457
f-p1	SLE-FR-42	Min M3	-16830.79	179.177	2.332	-3.2076	1643.1539	2244.5652
f-p1	SLE-FR-43	Max P	-15087.566	197.72	0.211	0.6611	139.4184	2480.0562
f-p1	SLE-FR-43	Min P	-17289.953	192.608	5.818	0.9477	-2834.3387	2415.1432
f-p1	SLE-FR-43	Max M2	-15663.944	195.333	3.28	-0.8324	1163.6288	2449.7491
f-p1	SLE-FR-43	Min M2	-16801.783	193.246	4.413	1.9276	-3840.1661	2423.2375
f-p1	SLE-FR-43	Max M3	-16375.334	205.111	4.826	-0.1957	-1259.4075	2573.9257
f-p1	SLE-FR-43	Min M3	-16496.925	181.999	5.164	2.6562	-1606.1021	2280.4115
f-p1	SLE-FR-44	Max P	-15120.348	197.734	6.776	-1.0274	236.4496	2480.2452
f-p1	SLE-FR-44	Min P	-17326.28	195.03	1.433	-1.3843	3009.968	2445.905
f-p1	SLE-FR-44	Max M2	-16854.814	194.959	3.106	-2.4992	4163.6951	2444.9959
f-p1	SLE-FR-44	Min M2	-15707.27	193.99	3.843	0.3977	-844.3245	2432.6948
f-p1	SLE-FR-44	Max M3	-16436.608	208.211	2.724	-0.3203	1693.9775	2613.2986
f-p1	SLE-FR-44	Min M3	-16535.319	181.276	2.348	-3.2852	1769.1306	2271.218
f-p1	SLE-FR-45	Max P	-15480.081	185.385	155.308	1.3369	2201.9092	2325.3433
f-p1	SLE-FR-45	Min P	-15480.081	185.385	155.308	1.3369	2201.9092	2325.3433
f-p1	SLE-FR-45	Max M2	-15480.081	185.385	155.308	1.3369	2201.9092	2325.3433
f-p1	SLE-FR-45	Min M2	-15480.081	185.385	155.308	1.3369	2201.9092	2325.3433
f-p1	SLE-FR-45	Max M3	-15480.081	185.385	155.308	1.3369	2201.9092	2325.3433
f-p1	SLE-FR-45	Min M3	-15480.081	185.385	155.308	1.3369	2201.9092	2325.3433
f-p1	SLE-FR-46	Max P	-15478.781	194.797	-148.003	-1.6639	-2192.1052	2440.9964
f-p1	SLE-FR-46	Min P	-15478.781	194.797	-148.003	-1.6639	-2192.1052	2440.9964
f-p1	SLE-FR-46	Max M2	-15478.781	194.797	-148.003	-1.6639	-2192.1052	2440.9964
f-p1	SLE-FR-46	Min M2	-15478.781	194.797	-148.003	-1.6639	-2192.1052	2440.9964
f-p1	SLE-FR-46	Max M3	-15478.781	194.797	-148.003	-1.6639	-2192.1052	2440.9964
f-p1	SLE-FR-46	Min M3	-15478.781	194.797	-148.003	-1.6639	-2192.1052	2440.9964
f-p1	SLE-FR-47	Max P	-15184.61	187.483	155.324	1.2593	2327.886	2351.9961
f-p1	SLE-FR-47	Min P	-15184.61	187.483	155.324	1.2593	2327.886	2351.9961
f-p1	SLE-FR-47	Max M2	-15184.61	187.483	155.324	1.2593	2327.886	2351.9961
f-p1	SLE-FR-47	Min M2	-15184.61	187.483	155.324	1.2593	2327.886	2351.9961
f-p1	SLE-FR-47	Max M3	-15184.61	187.483	155.324	1.2593	2327.886	2351.9961
f-p1	SLE-FR-47	Min M3	-15184.61	187.483	155.324	1.2593	2327.886	2351.9961
f-p1	SLE-FR-48	Max P	-15183.31	196.895	-147.987	-1.7415	-2066.1285	2467.6493
f-p1	SLE-FR-48	Min P	-15183.31	196.895	-147.987	-1.7415	-2066.1285	2467.6493
f-p1	SLE-FR-48	Max M2	-15183.31	196.895	-147.987	-1.7415	-2066.1285	2467.6493
f-p1	SLE-FR-48	Min M2	-15183.31	196.895	-147.987	-1.7415	-2066.1285	2467.6493
f-p1	SLE-FR-48	Max M3	-15183.31	196.895	-147.987	-1.7415	-2066.1285	2467.6493
f-p1	SLE-FR-48	Min M3	-15183.31	196.895	-147.987	-1.7415	-2066.1285	2467.6493
f-p1	SLE-FR-49	Max P	-15602.946	186.901	155.361	1.318	2216.53	2344.5968
f-p1	SLE-FR-49	Min P	-15602.946	186.901	155.361	1.318	2216.53	2344.5968
f-p1	SLE-FR-49	Max M2	-15602.946	186.901	155.361	1.318	2216.53	2344.5968
f-p1	SLE-FR-49	Min M2	-15602.946	186.901	155.361	1.318	2216.53	2344.5968
f-p1	SLE-FR-49	Max M3	-15602.946	186.901	155.361	1.318	2216.53	2344.5968
f-p1	SLE-FR-49	Min M3	-15602.946	186.901	155.361	1.318	2216.53	2344.5968
f-p1	SLE-FR-50	Max P	-15601.645	196.313	-147.95	-1.6828	-2177.4844	2460.2499

f-p1	SLE-FR-50	Min P	-15601.645	196.313	-147.95	-1.6828	-2177.4844	2460.2499
f-p1	SLE-FR-50	Max M2	-15601.645	196.313	-147.95	-1.6828	-2177.4844	2460.2499
f-p1	SLE-FR-50	Min M2	-15601.645	196.313	-147.95	-1.6828	-2177.4844	2460.2499
f-p1	SLE-FR-50	Max M3	-15601.645	196.313	-147.95	-1.6828	-2177.4844	2460.2499
f-p1	SLE-FR-50	Min M3	-15601.645	196.313	-147.95	-1.6828	-2177.4844	2460.2499
f-p1	SLE-FR-51	Max P	-15307.475	188.999	155.377	1.2405	2342.5068	2371.2497
f-p1	SLE-FR-51	Min P	-15307.475	188.999	155.377	1.2405	2342.5068	2371.2497
f-p1	SLE-FR-51	Max M2	-15307.475	188.999	155.377	1.2405	2342.5068	2371.2497
f-p1	SLE-FR-51	Min M2	-15307.475	188.999	155.377	1.2405	2342.5068	2371.2497
f-p1	SLE-FR-51	Max M3	-15307.475	188.999	155.377	1.2405	2342.5068	2371.2497
f-p1	SLE-FR-51	Min M3	-15307.475	188.999	155.377	1.2405	2342.5068	2371.2497
f-p1	SLE-FR-52	Max P	-15306.175	198.411	-147.934	-1.7603	-2051.5077	2486.9028
f-p1	SLE-FR-52	Min P	-15306.175	198.411	-147.934	-1.7603	-2051.5077	2486.9028
f-p1	SLE-FR-52	Max M2	-15306.175	198.411	-147.934	-1.7603	-2051.5077	2486.9028
f-p1	SLE-FR-52	Min M2	-15306.175	198.411	-147.934	-1.7603	-2051.5077	2486.9028
f-p1	SLE-FR-52	Max M3	-15306.175	198.411	-147.934	-1.7603	-2051.5077	2486.9028
f-p1	SLE-FR-52	Min M3	-15306.175	198.411	-147.934	-1.7603	-2051.5077	2486.9028
f-p1	SLE-FR-53	Max P	-15467.463	227.904	4.365	-0.1982	23.9944	2857.1944
f-p1	SLE-FR-53	Min P	-15467.463	227.904	4.365	-0.1982	23.9944	2857.1944
f-p1	SLE-FR-53	Max M2	-15467.463	227.904	4.365	-0.1982	23.9944	2857.1944
f-p1	SLE-FR-53	Min M2	-15467.463	227.904	4.365	-0.1982	23.9944	2857.1944
f-p1	SLE-FR-53	Max M3	-15467.463	227.904	4.365	-0.1982	23.9944	2857.1944
f-p1	SLE-FR-53	Min M3	-15467.463	227.904	4.365	-0.1982	23.9944	2857.1944
f-p1	SLE-FR-54	Max P	-15614.901	229.723	4.428	-0.2208	41.5393	2880.2987
f-p1	SLE-FR-54	Min P	-15614.901	229.723	4.428	-0.2208	41.5393	2880.2987
f-p1	SLE-FR-54	Max M2	-15614.901	229.723	4.428	-0.2208	41.5393	2880.2987
f-p1	SLE-FR-54	Min M2	-15614.901	229.723	4.428	-0.2208	41.5393	2880.2987
f-p1	SLE-FR-54	Max M3	-15614.901	229.723	4.428	-0.2208	41.5393	2880.2987
f-p1	SLE-FR-54	Min M3	-15614.901	229.723	4.428	-0.2208	41.5393	2880.2987
f-p1	SLE-FR-55	Max P	-15171.993	230.002	4.381	-0.2757	149.9711	2883.8473
f-p1	SLE-FR-55	Min P	-15171.993	230.002	4.381	-0.2757	149.9711	2883.8473
f-p1	SLE-FR-55	Max M2	-15171.993	230.002	4.381	-0.2757	149.9711	2883.8473
f-p1	SLE-FR-55	Min M2	-15171.993	230.002	4.381	-0.2757	149.9711	2883.8473
f-p1	SLE-FR-55	Max M3	-15171.993	230.002	4.381	-0.2757	149.9711	2883.8473
f-p1	SLE-FR-55	Min M3	-15171.993	230.002	4.381	-0.2757	149.9711	2883.8473
f-p1	SLE-FR-56	Max P	-15319.43	231.821	4.444	-0.2983	167.516	2906.9515
f-p1	SLE-FR-56	Min P	-15319.43	231.821	4.444	-0.2983	167.516	2906.9515
f-p1	SLE-FR-56	Max M2	-15319.43	231.821	4.444	-0.2983	167.516	2906.9515
f-p1	SLE-FR-56	Min M2	-15319.43	231.821	4.444	-0.2983	167.516	2906.9515
f-p1	SLE-FR-56	Max M3	-15319.43	231.821	4.444	-0.2983	167.516	2906.9515
f-p1	SLE-FR-56	Min M3	-15319.43	231.821	4.444	-0.2983	167.516	2906.9515

12.1.10. PILA 1-SOLLECITAZIONI FONDAZIONE-COMBINAZIONI SLE QUASI PERMANENTI

TABLE: Element Forces - Frames								
Frame	OutputCase	StepType	P	V2	V3	T	M2	M3
Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
f-p1	SLE-QP-1	Max P	-15478.251	-183.281	-3.385	0.0542	-71.6482	-2296.6737
f-p1	SLE-QP-1	Min P	-15478.251	-183.281	-3.385	0.0542	-71.6482	-2296.6737
f-p1	SLE-QP-1	Max M2	-15478.251	-183.281	-3.385	0.0542	-71.6482	-2296.6737

f-p1	SLE-QP-1	Min M2	-15478.251	-183.281	-3.385	0.0542	-71.6482	-2296.6737
f-p1	SLE-QP-1	Max M3	-15478.251	-183.281	-3.385	0.0542	-71.6482	-2296.6737
f-p1	SLE-QP-1	Min M3	-15478.251	-183.281	-3.385	0.0542	-71.6482	-2296.6737
f-p1	SLE-QP-2	Max P	-15182.78	-181.183	-3.369	-0.0233	54.3285	-2270.0209
f-p1	SLE-QP-2	Min P	-15182.78	-181.183	-3.369	-0.0233	54.3285	-2270.0209
f-p1	SLE-QP-2	Max M2	-15182.78	-181.183	-3.369	-0.0233	54.3285	-2270.0209
f-p1	SLE-QP-2	Min M2	-15182.78	-181.183	-3.369	-0.0233	54.3285	-2270.0209
f-p1	SLE-QP-2	Max M3	-15182.78	-181.183	-3.369	-0.0233	54.3285	-2270.0209
f-p1	SLE-QP-2	Min M3	-15182.78	-181.183	-3.369	-0.0233	54.3285	-2270.0209
f-p1	SLE-QP-3	Max P	-15601.116	-181.765	-3.332	0.0354	-57.0274	-2277.4202
f-p1	SLE-QP-3	Min P	-15601.116	-181.765	-3.332	0.0354	-57.0274	-2277.4202
f-p1	SLE-QP-3	Max M2	-15601.116	-181.765	-3.332	0.0354	-57.0274	-2277.4202
f-p1	SLE-QP-3	Min M2	-15601.116	-181.765	-3.332	0.0354	-57.0274	-2277.4202
f-p1	SLE-QP-3	Max M3	-15601.116	-181.765	-3.332	0.0354	-57.0274	-2277.4202
f-p1	SLE-QP-3	Min M3	-15601.116	-181.765	-3.332	0.0354	-57.0274	-2277.4202
f-p1	SLE-QP-4	Max P	-15305.645	-179.667	-3.316	-0.0421	68.9493	-2250.7673
f-p1	SLE-QP-4	Min P	-15305.645	-179.667	-3.316	-0.0421	68.9493	-2250.7673
f-p1	SLE-QP-4	Max M2	-15305.645	-179.667	-3.316	-0.0421	68.9493	-2250.7673
f-p1	SLE-QP-4	Min M2	-15305.645	-179.667	-3.316	-0.0421	68.9493	-2250.7673
f-p1	SLE-QP-4	Max M3	-15305.645	-179.667	-3.316	-0.0421	68.9493	-2250.7673
f-p1	SLE-QP-4	Min M3	-15305.645	-179.667	-3.316	-0.0421	68.9493	-2250.7673
f-p1	SLE-QP-5	Max P	-15479.613	190.661	3.665	-0.1769	16.6288	2390.4113
f-p1	SLE-QP-5	Min P	-15479.613	190.661	3.665	-0.1769	16.6288	2390.4113
f-p1	SLE-QP-5	Max M2	-15479.613	190.661	3.665	-0.1769	16.6288	2390.4113
f-p1	SLE-QP-5	Min M2	-15479.613	190.661	3.665	-0.1769	16.6288	2390.4113
f-p1	SLE-QP-5	Max M3	-15479.613	190.661	3.665	-0.1769	16.6288	2390.4113
f-p1	SLE-QP-5	Min M3	-15479.613	190.661	3.665	-0.1769	16.6288	2390.4113
f-p1	SLE-QP-6	Max P	-15184.143	192.76	3.681	-0.2545	142.6055	2417.0642
f-p1	SLE-QP-6	Min P	-15184.143	192.76	3.681	-0.2545	142.6055	2417.0642
f-p1	SLE-QP-6	Max M2	-15184.143	192.76	3.681	-0.2545	142.6055	2417.0642
f-p1	SLE-QP-6	Min M2	-15184.143	192.76	3.681	-0.2545	142.6055	2417.0642
f-p1	SLE-QP-6	Max M3	-15184.143	192.76	3.681	-0.2545	142.6055	2417.0642
f-p1	SLE-QP-6	Min M3	-15184.143	192.76	3.681	-0.2545	142.6055	2417.0642
f-p1	SLE-QP-7	Max P	-15602.478	192.177	3.718	-0.1958	31.2495	2409.6648
f-p1	SLE-QP-7	Min P	-15602.478	192.177	3.718	-0.1958	31.2495	2409.6648
f-p1	SLE-QP-7	Max M2	-15602.478	192.177	3.718	-0.1958	31.2495	2409.6648
f-p1	SLE-QP-7	Min M2	-15602.478	192.177	3.718	-0.1958	31.2495	2409.6648
f-p1	SLE-QP-7	Max M3	-15602.478	192.177	3.718	-0.1958	31.2495	2409.6648
f-p1	SLE-QP-7	Min M3	-15602.478	192.177	3.718	-0.1958	31.2495	2409.6648
f-p1	SLE-QP-8	Max P	-15307.008	194.276	3.734	-0.2733	157.2263	2436.3177
f-p1	SLE-QP-8	Min P	-15307.008	194.276	3.734	-0.2733	157.2263	2436.3177
f-p1	SLE-QP-8	Max M2	-15307.008	194.276	3.734	-0.2733	157.2263	2436.3177
f-p1	SLE-QP-8	Min M2	-15307.008	194.276	3.734	-0.2733	157.2263	2436.3177
f-p1	SLE-QP-8	Max M3	-15307.008	194.276	3.734	-0.2733	157.2263	2436.3177
f-p1	SLE-QP-8	Min M3	-15307.008	194.276	3.734	-0.2733	157.2263	2436.3177

12.1.11. PILA 2-SOLLECITAZIONI SEZIONE DI BASE-COMBINAZIONI SLU

TABLE: Element Forces - Frames								
Frame	OutputCase	StepType	P	V2	V3	T	M2	M3
Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
p3-s1	SLU-1	Max P	-18275.70	344.29	733.37	-1.56	13913.03	6294.58
p3-s1	SLU-1	Min P	-24216.27	350.25	753.00	-3.31	7097.71	6404.80
p3-s1	SLU-1	Max M2	-19852.98	352.23	739.70	3.28	16925.97	6441.45
p3-s1	SLU-1	Min M2	-22852.01	349.47	749.44	-7.37	3892.86	6390.48
p3-s1	SLU-1	Max M3	-21902.72	383.59	746.60	-6.53	10229.36	7021.58
p3-s1	SLU-1	Min M3	-21580.06	317.50	745.14	-0.39	10416.49	5798.96
p3-s1	SLU-2	Max P	-18269.69	345.65	750.95	3.44	14287.67	6319.64
p3-s1	SLU-2	Min P	-23992.26	355.67	730.07	4.90	21523.69	6505.18
p3-s1	SLU-2	Max M2	-22547.47	353.99	733.77	8.86	24354.00	6474.03
p3-s1	SLU-2	Min M2	-19927.08	351.09	743.40	-1.72	11381.73	6420.39
p3-s1	SLU-2	Max M3	-21763.09	377.53	736.30	8.42	18497.92	6909.48
p3-s1	SLU-2	Min M3	-21323.36	328.48	737.94	1.35	17431.97	6002.16
p3-s1	SLU-3	Max P	-18287.43	329.88	-771.50	-1.40	-14816.49	6065.99
p3-s1	SLU-3	Min P	-24228.00	335.84	-751.86	-3.15	-21631.81	6176.21
p3-s1	SLU-3	Max M2	-19864.71	337.82	-765.16	3.44	-11803.54	6212.86
p3-s1	SLU-3	Min M2	-22863.73	335.07	-755.43	-7.22	-24836.65	6161.89
p3-s1	SLU-3	Max M3	-21914.45	369.18	-758.26	-6.38	-18500.15	6792.99
p3-s1	SLU-3	Min M3	-21591.79	303.09	-759.72	-0.23	-18313.02	5570.37
p3-s1	SLU-4	Max P	-18281.42	331.24	-753.92	3.59	-14441.84	6091.06
p3-s1	SLU-4	Min P	-24003.99	341.27	-774.80	5.06	-7205.82	6276.60
p3-s1	SLU-4	Max M2	-22559.20	339.58	-771.09	9.01	-4375.51	6245.44
p3-s1	SLU-4	Min M2	-19938.80	336.68	-761.46	-1.57	-17347.78	6191.80
p3-s1	SLU-4	Max M3	-21774.82	363.12	-768.57	8.57	-10231.59	6680.89
p3-s1	SLU-4	Min M3	-21335.09	314.08	-766.92	1.51	-11297.54	5773.57
p3-s1	SLU-5	Max P	-17923.94	345.25	733.50	-1.65	13668.78	6312.39
p3-s1	SLU-5	Min P	-23864.51	351.21	753.13	-3.40	6853.46	6422.61
p3-s1	SLU-5	Max M2	-19501.22	353.19	739.84	3.19	16681.73	6459.26
p3-s1	SLU-5	Min M2	-22500.25	350.44	749.57	-7.46	3648.62	6408.29
p3-s1	SLU-5	Max M3	-21550.96	384.55	746.73	-6.62	9985.12	7039.39
p3-s1	SLU-5	Min M3	-21228.30	318.46	745.27	-0.48	10172.25	5816.77
p3-s1	SLU-6	Max P	-17917.93	346.61	751.08	3.35	14043.43	6337.46
p3-s1	SLU-6	Min P	-23640.50	356.64	730.20	4.81	21279.45	6523.00
p3-s1	SLU-6	Max M2	-22195.71	354.95	733.91	8.77	24109.76	6491.84
p3-s1	SLU-6	Min M2	-19575.32	352.05	743.53	-1.82	11137.49	6438.20
p3-s1	SLU-6	Max M3	-21411.33	378.49	736.43	8.32	18253.68	6927.29
p3-s1	SLU-6	Min M3	-20971.60	329.45	738.07	1.26	17187.73	6019.97
p3-s1	SLU-7	Max P	-17935.67	330.84	-771.37	-1.49	-15060.73	6083.81
p3-s1	SLU-7	Min P	-23876.24	336.80	-751.73	-3.25	-21876.05	6194.03
p3-s1	SLU-7	Max M2	-19512.95	338.78	-765.03	3.34	-12047.78	6230.68
p3-s1	SLU-7	Min M2	-22511.97	336.03	-755.30	-7.31	-25080.89	6179.70
p3-s1	SLU-7	Max M3	-21562.69	370.14	-758.13	-6.47	-18744.39	6810.81
p3-s1	SLU-7	Min M3	-21240.03	304.05	-759.59	-0.32	-18557.26	5588.19
p3-s1	SLU-8	Max P	-17929.66	332.20	-753.79	3.50	-14686.08	6108.87
p3-s1	SLU-8	Min P	-23652.23	342.23	-774.67	4.97	-7450.06	6294.41
p3-s1	SLU-8	Max M2	-22207.44	340.54	-770.96	8.92	-4619.76	6263.25
p3-s1	SLU-8	Min M2	-19587.04	337.65	-761.33	-1.66	-17592.02	6209.61

p3-s1	SLU-8	Max M3	-21423.06	364.08	-768.43	8.48	-10475.83	6698.71
p3-s1	SLU-8	Min M3	-20983.33	315.04	-766.79	1.42	-11541.78	5791.39
p3-s1	SLU-9	Max P	-18497.12	341.65	733.22	-1.61	13884.62	6245.70
p3-s1	SLU-9	Min P	-24437.69	347.61	752.85	-3.36	7069.30	6355.92
p3-s1	SLU-9	Max M2	-20074.40	349.59	739.56	3.23	16897.56	6392.57
p3-s1	SLU-9	Min M2	-23073.42	346.83	749.29	-7.42	3864.46	6341.60
p3-s1	SLU-9	Max M3	-22124.14	380.95	746.45	-6.58	10200.96	6972.70
p3-s1	SLU-9	Min M3	-21801.48	314.86	744.99	-0.44	10388.08	5750.08
p3-s1	SLU-10	Max P	-18491.11	343.00	750.80	3.39	14259.27	6270.76
p3-s1	SLU-10	Min P	-24213.68	353.03	729.92	4.85	21495.28	6456.30
p3-s1	SLU-10	Max M2	-22768.89	351.35	733.62	8.81	24325.59	6425.14
p3-s1	SLU-10	Min M2	-20148.49	348.45	743.25	-1.78	11353.33	6371.51
p3-s1	SLU-10	Max M3	-21984.51	374.89	736.15	8.36	18469.52	6860.60
p3-s1	SLU-10	Min M3	-21544.78	325.84	737.79	1.30	17403.57	5953.28
p3-s1	SLU-11	Max P	-18508.84	327.24	-771.65	-1.45	-14844.89	6017.11
p3-s1	SLU-11	Min P	-24449.42	333.20	-752.01	-3.21	-21660.21	6127.33
p3-s1	SLU-11	Max M2	-20086.13	335.18	-765.31	3.38	-11831.95	6163.98
p3-s1	SLU-11	Min M2	-23085.15	332.42	-755.58	-7.27	-24865.05	6113.01
p3-s1	SLU-11	Max M3	-22135.87	366.54	-758.41	-6.43	-18528.56	6744.11
p3-s1	SLU-11	Min M3	-21813.20	300.45	-759.87	-0.28	-18341.43	5521.49
p3-s1	SLU-12	Max P	-18502.83	328.59	-754.07	3.54	-14470.25	6042.18
p3-s1	SLU-12	Min P	-24225.41	338.62	-774.95	5.01	-7234.23	6227.72
p3-s1	SLU-12	Max M2	-22780.61	336.94	-771.24	8.96	-4403.92	6196.56
p3-s1	SLU-12	Min M2	-20160.22	334.04	-761.61	-1.62	-17376.18	6142.92
p3-s1	SLU-12	Max M3	-21996.23	360.48	-768.72	8.52	-10260.00	6632.01
p3-s1	SLU-12	Min M3	-21556.51	311.43	-767.07	1.46	-11325.94	5724.69
p3-s1	SLU-13	Max P	-18145.35	342.61	733.35	-1.70	13640.38	6263.51
p3-s1	SLU-13	Min P	-24085.93	348.57	752.98	-3.45	6825.06	6373.73
p3-s1	SLU-13	Max M2	-19722.64	350.55	739.69	3.14	16653.32	6410.38
p3-s1	SLU-13	Min M2	-22721.66	347.79	749.42	-7.52	3620.22	6359.41
p3-s1	SLU-13	Max M3	-21772.38	381.91	746.58	-6.68	9956.71	6990.51
p3-s1	SLU-13	Min M3	-21449.71	315.82	745.12	-0.53	10143.84	5767.89
p3-s1	SLU-14	Max P	-18139.34	343.97	750.93	3.29	14015.02	6288.58
p3-s1	SLU-14	Min P	-23861.92	354.00	730.05	4.76	21251.04	6474.12
p3-s1	SLU-14	Max M2	-22417.12	352.31	733.76	8.71	24081.35	6442.96
p3-s1	SLU-14	Min M2	-19796.73	349.41	743.38	-1.87	11109.09	6389.32
p3-s1	SLU-14	Max M3	-21632.75	375.85	736.28	8.27	18225.27	6878.41
p3-s1	SLU-14	Min M3	-21193.02	326.80	737.92	1.21	17159.33	5971.09
p3-s1	SLU-15	Max P	-18157.08	328.20	-771.52	-1.54	-15089.13	6034.92
p3-s1	SLU-15	Min P	-24097.65	334.16	-751.88	-3.30	-21904.45	6145.14
p3-s1	SLU-15	Max M2	-19734.37	336.14	-765.18	3.29	-12076.19	6181.80
p3-s1	SLU-15	Min M2	-22733.39	333.39	-755.45	-7.36	-25109.29	6130.82
p3-s1	SLU-15	Max M3	-21784.11	367.50	-758.28	-6.52	-18772.80	6761.92
p3-s1	SLU-15	Min M3	-21461.44	301.41	-759.74	-0.38	-18585.67	5539.31
p3-s1	SLU-16	Max P	-18151.07	329.56	-753.94	3.45	-14714.49	6059.99
p3-s1	SLU-16	Min P	-23873.64	339.59	-774.82	4.92	-7478.47	6245.53
p3-s1	SLU-16	Max M2	-22428.85	337.90	-771.11	8.87	-4648.16	6214.37
p3-s1	SLU-16	Min M2	-19808.46	335.00	-761.48	-1.71	-17620.43	6160.73
p3-s1	SLU-16	Max M3	-21644.47	361.44	-768.58	8.43	-10504.24	6649.83
p3-s1	SLU-16	Min M3	-21204.75	312.40	-766.94	1.36	-11570.19	5742.51
p3-s1	SLU-17	Max P	-13544.02	344.64	733.53	-1.44	13921.29	6300.98

p3-s1	SLU-17	Min P	-19484.60	350.59	753.16	-3.20	7105.97	6411.20
p3-s1	SLU-17	Max M2	-15121.31	352.58	739.87	3.39	16934.24	6447.85
p3-s1	SLU-17	Min M2	-18120.33	349.82	749.60	-7.26	3901.13	6396.88
p3-s1	SLU-17	Max M3	-17171.05	383.93	746.76	-6.42	10237.63	7027.98
p3-s1	SLU-17	Min M3	-16848.38	317.85	745.30	-0.27	10424.76	5805.36
p3-s1	SLU-18	Max P	-13538.01	345.99	751.11	3.55	14295.94	6326.04
p3-s1	SLU-18	Min P	-19260.59	356.02	730.23	5.02	21531.96	6511.58
p3-s1	SLU-18	Max M2	-17815.79	354.34	733.94	8.97	24362.26	6480.42
p3-s1	SLU-18	Min M2	-15195.40	351.44	743.56	-1.61	11390.00	6426.79
p3-s1	SLU-18	Max M3	-17031.41	377.87	736.46	8.53	18506.19	6915.88
p3-s1	SLU-18	Min M3	-16591.69	328.83	738.10	1.46	17440.24	6008.56
p3-s1	SLU-19	Max P	-13555.75	330.23	-771.34	-1.29	-14808.22	6072.39
p3-s1	SLU-19	Min P	-19496.32	336.19	-751.70	-3.04	-21623.54	6182.61
p3-s1	SLU-19	Max M2	-15133.04	338.17	-765.00	3.55	-11795.28	6219.26
p3-s1	SLU-19	Min M2	-18132.06	335.41	-755.27	-7.10	-24828.38	6168.29
p3-s1	SLU-19	Max M3	-17182.77	369.53	-758.10	-6.26	-18491.88	6799.39
p3-s1	SLU-19	Min M3	-16860.11	303.44	-759.56	-0.12	-18304.75	5576.77
p3-s1	SLU-20	Max P	-13549.74	331.58	-753.76	3.71	-14433.57	6097.46
p3-s1	SLU-20	Min P	-19272.31	341.61	-774.64	5.17	-7197.55	6283.00
p3-s1	SLU-20	Max M2	-17827.52	339.93	-770.93	9.13	-4367.25	6251.84
p3-s1	SLU-20	Min M2	-15207.13	337.03	-761.30	-1.46	-17339.51	6198.20
p3-s1	SLU-20	Max M3	-17043.14	363.47	-768.40	8.69	-10223.32	6687.29
p3-s1	SLU-20	Min M3	-16603.42	314.42	-766.76	1.62	-11289.27	5779.97
p3-s1	SLU-21	Max P	-13192.26	345.60	733.66	-1.54	13677.05	6318.79
p3-s1	SLU-21	Min P	-19132.83	351.56	753.29	-3.29	6861.73	6429.01
p3-s1	SLU-21	Max M2	-14769.55	353.54	740.00	3.30	16689.99	6465.66
p3-s1	SLU-21	Min M2	-17768.57	350.78	749.73	-7.35	3656.89	6414.69
p3-s1	SLU-21	Max M3	-16819.29	384.90	746.90	-6.51	9993.39	7045.79
p3-s1	SLU-21	Min M3	-16496.62	318.81	745.44	-0.37	10180.52	5823.17
p3-s1	SLU-22	Max P	-13186.25	346.95	751.24	3.46	14051.70	6343.86
p3-s1	SLU-22	Min P	-18908.82	356.98	730.36	4.92	21287.72	6529.40
p3-s1	SLU-22	Max M2	-17464.03	355.30	734.07	8.88	24118.02	6498.24
p3-s1	SLU-22	Min M2	-14843.64	352.40	743.69	-1.70	11145.76	6444.60
p3-s1	SLU-22	Max M3	-16679.65	378.84	736.59	8.44	18261.95	6933.69
p3-s1	SLU-22	Min M3	-16239.93	329.79	738.23	1.37	17196.00	6026.37
p3-s1	SLU-23	Max P	-13203.99	331.19	-771.21	-1.38	-15052.46	6090.20
p3-s1	SLU-23	Min P	-19144.56	337.15	-751.57	-3.13	-21867.78	6200.42
p3-s1	SLU-23	Max M2	-14781.27	339.13	-764.87	3.46	-12039.52	6237.08
p3-s1	SLU-23	Min M2	-17780.30	336.37	-755.14	-7.20	-25072.62	6186.10
p3-s1	SLU-23	Max M3	-16831.01	370.49	-757.97	-6.36	-18736.12	6817.20
p3-s1	SLU-23	Min M3	-16508.35	304.40	-759.43	-0.21	-18548.99	5594.59
p3-s1	SLU-24	Max P	-13197.98	332.55	-753.63	3.61	-14677.81	6115.27
p3-s1	SLU-24	Min P	-18920.55	342.57	-774.51	5.08	-7441.79	6300.81
p3-s1	SLU-24	Max M2	-17475.76	340.89	-770.80	9.03	-4611.49	6269.65
p3-s1	SLU-24	Min M2	-14855.37	337.99	-761.17	-1.55	-17583.75	6216.01
p3-s1	SLU-24	Max M3	-16691.38	364.43	-768.27	8.59	-10467.56	6705.11
p3-s1	SLU-24	Min M3	-16251.65	315.38	-766.63	1.53	-11533.51	5797.79
p3-s1	SLU-25	Max P	-13765.44	341.99	733.38	-1.50	13892.89	6252.10
p3-s1	SLU-25	Min P	-19706.01	347.95	753.01	-3.25	7077.57	6362.32
p3-s1	SLU-25	Max M2	-15342.72	349.93	739.72	3.34	16905.83	6398.97
p3-s1	SLU-25	Min M2	-18341.75	347.18	749.45	-7.31	3872.72	6348.00

p3-s1	SLU-25	Max M3	-17392.46	381.29	746.62	-6.47	10209.22	6979.10
p3-s1	SLU-25	Min M3	-17069.80	315.20	745.16	-0.33	10396.35	5756.48
p3-s1	SLU-26	Max P	-13759.43	343.35	750.96	3.50	14267.53	6277.16
p3-s1	SLU-26	Min P	-19482.00	353.38	730.08	4.96	21503.55	6462.70
p3-s1	SLU-26	Max M2	-18037.21	351.69	733.79	8.92	24333.86	6431.54
p3-s1	SLU-26	Min M2	-15416.82	348.79	743.41	-1.66	11361.59	6377.90
p3-s1	SLU-26	Max M3	-17252.83	375.23	736.31	8.48	18477.78	6867.00
p3-s1	SLU-26	Min M3	-16813.10	326.19	737.95	1.41	17411.83	5959.68
p3-s1	SLU-27	Max P	-13777.17	327.59	-771.49	-1.34	-14836.63	6023.51
p3-s1	SLU-27	Min P	-19717.74	333.54	-751.85	-3.09	-21651.95	6133.73
p3-s1	SLU-27	Max M2	-15354.45	335.52	-765.15	3.50	-11823.68	6170.38
p3-s1	SLU-27	Min M2	-18353.47	332.77	-755.42	-7.16	-24856.79	6119.41
p3-s1	SLU-27	Max M3	-17404.19	366.88	-758.25	-6.32	-18520.29	6750.51
p3-s1	SLU-27	Min M3	-17081.53	300.80	-759.71	-0.17	-18333.16	5527.89
p3-s1	SLU-28	Max P	-13771.16	328.94	-753.91	3.65	-14461.98	6048.57
p3-s1	SLU-28	Min P	-19493.73	338.97	-774.79	5.12	-7225.96	6234.11
p3-s1	SLU-28	Max M2	-18048.94	337.29	-771.08	9.07	-4395.65	6202.96
p3-s1	SLU-28	Min M2	-15428.54	334.39	-761.45	-1.51	-17367.92	6149.32
p3-s1	SLU-28	Max M3	-17264.56	360.82	-768.55	8.63	-10251.73	6638.41
p3-s1	SLU-28	Min M3	-16824.83	311.78	-766.91	1.57	-11317.68	5731.09
p3-s1	SLU-29	Max P	-13413.68	342.96	733.51	-1.59	13648.64	6269.91
p3-s1	SLU-29	Min P	-19354.25	348.91	753.14	-3.34	6833.32	6380.13
p3-s1	SLU-29	Max M2	-14990.96	350.90	739.85	3.25	16661.59	6416.78
p3-s1	SLU-29	Min M2	-17989.99	348.14	749.58	-7.40	3628.48	6365.81
p3-s1	SLU-29	Max M3	-17040.70	382.25	746.75	-6.56	9964.98	6996.91
p3-s1	SLU-29	Min M3	-16718.04	316.17	745.29	-0.42	10152.11	5774.29
p3-s1	SLU-30	Max P	-13407.67	344.31	751.09	3.41	14023.29	6294.97
p3-s1	SLU-30	Min P	-19130.24	354.34	730.21	4.87	21259.31	6480.51
p3-s1	SLU-30	Max M2	-17685.45	352.66	733.92	8.83	24089.62	6449.36
p3-s1	SLU-30	Min M2	-15065.06	349.76	743.54	-1.76	11117.35	6395.72
p3-s1	SLU-30	Max M3	-16901.07	376.19	736.44	8.38	18233.54	6884.81
p3-s1	SLU-30	Min M3	-16461.34	327.15	738.08	1.32	17167.59	5977.49
p3-s1	SLU-31	Max P	-13425.41	328.55	-771.36	-1.43	-15080.87	6041.32
p3-s1	SLU-31	Min P	-19365.98	334.51	-751.72	-3.19	-21896.19	6151.54
p3-s1	SLU-31	Max M2	-15002.69	336.49	-765.02	3.40	-12067.92	6188.19
p3-s1	SLU-31	Min M2	-18001.71	333.73	-755.29	-7.25	-25101.03	6137.22
p3-s1	SLU-31	Max M3	-17052.43	367.85	-758.12	-6.41	-18764.53	6768.32
p3-s1	SLU-31	Min M3	-16729.77	301.76	-759.58	-0.26	-18577.40	5545.71
p3-s1	SLU-32	Max P	-13419.40	329.90	-753.78	3.56	-14706.22	6066.39
p3-s1	SLU-32	Min P	-19141.97	339.93	-774.66	5.03	-7470.20	6251.93
p3-s1	SLU-32	Max M2	-17697.18	338.25	-770.95	8.98	-4639.89	6220.77
p3-s1	SLU-32	Min M2	-15076.78	335.35	-761.32	-1.60	-17612.16	6167.13
p3-s1	SLU-32	Max M3	-16912.80	361.79	-768.42	8.54	-10495.97	6656.23
p3-s1	SLU-32	Min M3	-16473.07	312.74	-766.78	1.48	-11561.92	5748.91
p3-s1	SLU-33	Max P	-18479.25	660.34	754.71	10.18	14401.47	12141.49
p3-s1	SLU-33	Min P	-21501.84	662.76	765.29	9.87	10866.10	12186.32
p3-s1	SLU-33	Max M2	-19283.79	664.77	758.08	12.50	15846.85	12223.38
p3-s1	SLU-33	Min M2	-20857.11	663.71	764.00	8.12	9276.80	12203.88
p3-s1	SLU-33	Max M3	-20416.51	682.04	762.07	7.44	12447.65	12542.94
p3-s1	SLU-33	Min M3	-20307.69	645.97	761.96	11.07	12546.26	11875.74
p3-s1	SLU-34	Max P	-18475.88	661.07	764.22	12.96	14604.09	12155.08

p3-s1	SLU-34	Min P	-21405.78	666.12	753.17	13.25	18441.99	12248.40
p3-s1	SLU-34	Max M2	-20732.65	665.65	754.33	14.83	19767.42	12239.76
p3-s1	SLU-34	Min M2	-19308.46	664.36	760.18	10.47	13221.93	12215.91
p3-s1	SLU-34	Max M3	-20336.20	678.60	755.93	15.66	16828.77	12479.30
p3-s1	SLU-34	Min M3	-20163.84	652.11	756.38	11.62	16306.20	11989.28
p3-s1	SLU-35	Max P	-18490.98	645.93	-750.16	10.33	-14328.04	11912.91
p3-s1	SLU-35	Min P	-21513.56	648.35	-739.58	10.02	-17863.41	11957.73
p3-s1	SLU-35	Max M2	-19295.52	650.36	-746.79	12.66	-12882.66	11994.79
p3-s1	SLU-35	Min M2	-20868.84	649.30	-740.87	8.28	-19452.71	11975.29
p3-s1	SLU-35	Max M3	-20428.23	667.63	-742.79	7.59	-16281.86	12314.36
p3-s1	SLU-35	Min M3	-20319.41	631.57	-742.91	11.22	-16183.26	11647.15
p3-s1	SLU-36	Max P	-18487.61	646.67	-740.64	13.12	-14125.42	11926.49
p3-s1	SLU-36	Min P	-21417.50	651.71	-751.69	13.40	-10287.52	12019.81
p3-s1	SLU-36	Max M2	-20744.38	651.24	-750.53	14.99	-8962.09	12011.17
p3-s1	SLU-36	Min M2	-19320.18	649.95	-744.68	10.62	-15507.58	11987.32
p3-s1	SLU-36	Max M3	-20347.93	664.19	-748.94	15.82	-11900.74	12250.72
p3-s1	SLU-36	Min M3	-20175.56	637.70	-748.48	11.77	-12423.31	11760.70
p3-s1	SLU-37	Max P	-18127.49	661.30	754.84	10.08	14157.23	12159.31
p3-s1	SLU-37	Min P	-21150.08	663.73	765.42	9.77	10621.86	12204.13
p3-s1	SLU-37	Max M2	-18932.03	665.73	758.21	12.41	15602.61	12241.19
p3-s1	SLU-37	Min M2	-20505.35	664.68	764.13	8.03	9032.56	12221.69
p3-s1	SLU-37	Max M3	-20064.75	683.00	762.21	7.34	12203.41	12560.76
p3-s1	SLU-37	Min M3	-19955.93	646.94	762.09	10.97	12302.01	11893.55
p3-s1	SLU-38	Max P	-18124.12	662.04	764.35	12.87	14359.85	12172.89
p3-s1	SLU-38	Min P	-21054.02	667.08	753.30	13.16	18197.74	12266.21
p3-s1	SLU-38	Max M2	-20380.89	666.61	754.46	14.74	19523.18	12257.57
p3-s1	SLU-38	Min M2	-18956.70	665.33	760.32	10.38	12977.69	12233.72
p3-s1	SLU-38	Max M3	-19984.44	679.56	756.06	15.57	16584.53	12497.12
p3-s1	SLU-38	Min M3	-19812.08	653.08	756.52	11.52	16061.96	12007.10
p3-s1	SLU-39	Max P	-18139.22	646.89	-750.03	10.24	-14572.28	11930.72
p3-s1	SLU-39	Min P	-21161.80	649.32	-739.45	9.93	-18107.65	11975.55
p3-s1	SLU-39	Max M2	-18943.76	651.32	-746.66	12.56	-13126.90	12012.61
p3-s1	SLU-39	Min M2	-20517.07	650.27	-740.74	8.19	-19696.95	11993.11
p3-s1	SLU-39	Max M3	-20076.47	668.59	-742.66	7.50	-16526.10	12332.17
p3-s1	SLU-39	Min M3	-19967.65	632.53	-742.78	11.13	-16427.50	11664.97
p3-s1	SLU-40	Max P	-18135.85	647.63	-740.51	13.02	-14369.66	11944.31
p3-s1	SLU-40	Min P	-21065.74	652.67	-751.56	13.31	-10531.77	12037.62
p3-s1	SLU-40	Max M2	-20392.62	652.21	-750.40	14.90	-9206.33	12028.98
p3-s1	SLU-40	Min M2	-18968.42	650.92	-744.55	10.53	-15751.82	12005.14
p3-s1	SLU-40	Max M3	-19996.17	665.15	-748.80	15.72	-12144.98	12268.53
p3-s1	SLU-40	Min M3	-19823.80	638.67	-748.35	11.68	-12667.55	11778.51
p3-s1	SLU-41	Max P	-18700.67	657.70	754.56	10.12	14373.06	12092.61
p3-s1	SLU-41	Min P	-21723.25	660.12	765.14	9.81	10837.70	12137.44
p3-s1	SLU-41	Max M2	-19505.21	662.12	757.93	12.45	15818.44	12174.50
p3-s1	SLU-41	Min M2	-21078.52	661.07	763.85	8.07	9248.39	12155.00
p3-s1	SLU-41	Max M3	-20637.92	679.40	761.92	7.38	12419.24	12494.06
p3-s1	SLU-41	Min M3	-20529.10	643.33	761.81	11.01	12517.85	11826.86
p3-s1	SLU-42	Max P	-18697.30	658.43	764.07	12.91	14575.68	12106.20
p3-s1	SLU-42	Min P	-21627.19	663.48	753.02	13.20	18413.58	12199.52
p3-s1	SLU-42	Max M2	-20954.07	663.01	754.18	14.78	19739.01	12190.88
p3-s1	SLU-42	Min M2	-19529.87	661.72	760.03	10.42	13193.53	12167.03

p3-s1	SLU-42	Max M3	-20557.62	675.96	755.78	15.61	16800.37	12430.42
p3-s1	SLU-42	Min M3	-20385.25	649.47	756.24	11.56	16277.80	11940.40
p3-s1	SLU-43	Max P	-18712.39	643.29	-750.31	10.28	-14356.45	11864.03
p3-s1	SLU-43	Min P	-21734.98	645.71	-739.73	9.97	-17891.82	11908.85
p3-s1	SLU-43	Max M2	-19516.93	647.72	-746.94	12.60	-12911.07	11945.91
p3-s1	SLU-43	Min M2	-21090.25	646.66	-741.02	8.23	-19481.12	11926.41
p3-s1	SLU-43	Max M3	-20649.65	664.99	-742.94	7.54	-16310.27	12265.48
p3-s1	SLU-43	Min M3	-20540.83	628.92	-743.06	11.17	-16211.66	11598.27
p3-s1	SLU-44	Max P	-18709.03	644.02	-740.79	13.06	-14153.83	11877.61
p3-s1	SLU-44	Min P	-21638.92	649.07	-751.84	13.35	-10315.93	11970.93
p3-s1	SLU-44	Max M2	-20965.79	648.60	-750.68	14.94	-8990.50	11962.29
p3-s1	SLU-44	Min M2	-19541.60	647.31	-744.83	10.57	-15535.98	11938.44
p3-s1	SLU-44	Max M3	-20569.34	661.55	-749.09	15.76	-11929.15	12201.84
p3-s1	SLU-44	Min M3	-20396.98	635.06	-748.63	11.72	-12451.71	11711.81
p3-s1	SLU-45	Max P	-18348.90	658.66	754.69	10.03	14128.82	12110.43
p3-s1	SLU-45	Min P	-21371.49	661.08	765.27	9.72	10593.45	12155.25
p3-s1	SLU-45	Max M2	-19153.45	663.09	758.06	12.35	15574.20	12192.31
p3-s1	SLU-45	Min M2	-20726.76	662.03	763.98	7.98	9004.15	12172.81
p3-s1	SLU-45	Max M3	-20286.16	680.36	762.06	7.29	12175.00	12511.88
p3-s1	SLU-45	Min M3	-20177.34	644.30	761.94	10.92	12273.61	11844.67
p3-s1	SLU-46	Max P	-18345.54	659.39	764.20	12.81	14331.44	12124.01
p3-s1	SLU-46	Min P	-21275.43	664.44	753.15	13.10	18169.34	12217.33
p3-s1	SLU-46	Max M2	-20602.31	663.97	754.31	14.69	19494.77	12208.69
p3-s1	SLU-46	Min M2	-19178.11	662.68	760.17	10.32	12949.29	12184.84
p3-s1	SLU-46	Max M3	-20205.86	676.92	755.91	15.52	16556.12	12448.24
p3-s1	SLU-46	Min M3	-20033.49	650.43	756.37	11.47	16033.56	11958.22
p3-s1	SLU-47	Max P	-18360.63	644.25	-750.18	10.19	-14600.69	11881.84
p3-s1	SLU-47	Min P	-21383.22	646.68	-739.60	9.88	-18136.06	11926.66
p3-s1	SLU-47	Max M2	-19165.17	648.68	-746.81	12.51	-13155.31	11963.73
p3-s1	SLU-47	Min M2	-20738.49	647.62	-740.89	8.13	-19725.36	11944.23
p3-s1	SLU-47	Max M3	-20297.89	665.95	-742.81	7.45	-16554.51	12283.29
p3-s1	SLU-47	Min M3	-20189.07	629.89	-742.93	11.08	-16455.90	11616.09
p3-s1	SLU-48	Max P	-18357.27	644.99	-740.66	12.97	-14398.07	11895.42
p3-s1	SLU-48	Min P	-21287.16	650.03	-751.71	13.26	-10560.17	11988.74
p3-s1	SLU-48	Max M2	-20614.03	649.56	-750.55	14.84	-9234.74	11980.10
p3-s1	SLU-48	Min M2	-19189.84	648.27	-744.70	10.48	-15780.22	11956.25
p3-s1	SLU-48	Max M3	-20217.58	662.51	-748.95	15.67	-12173.39	12219.65
p3-s1	SLU-48	Min M3	-20045.22	636.02	-748.50	11.63	-12695.95	11729.63
p3-s1	SLU-49	Max P	-18509.21	34.65	719.62	-11.18	13655.40	566.32
p3-s1	SLU-49	Min P	-21531.79	37.08	730.20	-11.49	10120.03	611.15
p3-s1	SLU-49	Max M2	-19313.75	39.08	722.99	-8.85	15100.78	648.21
p3-s1	SLU-49	Min M2	-20887.06	38.03	728.91	-13.23	8530.73	628.71
p3-s1	SLU-49	Max M3	-20446.46	56.36	726.99	-13.92	11701.58	967.77
p3-s1	SLU-49	Min M3	-20337.64	20.29	726.87	-10.29	11800.19	300.57
p3-s1	SLU-50	Max P	-18505.84	35.39	729.13	-8.39	13858.02	579.91
p3-s1	SLU-50	Min P	-21435.73	40.43	718.08	-8.11	17695.92	673.23
p3-s1	SLU-50	Max M2	-20762.61	39.97	719.24	-6.52	19021.35	664.59
p3-s1	SLU-50	Min M2	-19338.41	38.68	725.10	-10.89	12475.87	640.74
p3-s1	SLU-50	Max M3	-20366.16	52.92	720.84	-5.69	16082.70	904.13
p3-s1	SLU-50	Min M3	-20193.79	26.43	721.30	-9.74	15560.14	414.11
p3-s1	SLU-51	Max P	-18520.93	20.25	-785.25	-11.02	-15074.11	337.74

p3-s1	SLU-51	Min P	-21543.52	22.67	-774.67	-11.33	-18609.48	382.56
p3-s1	SLU-51	Max M2	-19325.47	24.67	-781.88	-8.70	-13628.73	419.62
p3-s1	SLU-51	Min M2	-20898.79	23.62	-775.96	-13.08	-20198.78	400.12
p3-s1	SLU-51	Max M3	-20458.19	41.95	-777.88	-13.76	-17027.93	739.19
p3-s1	SLU-51	Min M3	-20349.37	5.88	-778.00	-10.13	-16929.32	71.98
p3-s1	SLU-52	Max P	-18517.57	20.98	-775.73	-8.24	-14871.49	351.32
p3-s1	SLU-52	Min P	-21447.46	26.03	-786.78	-7.95	-11033.59	444.64
p3-s1	SLU-52	Max M2	-20774.34	25.56	-785.62	-6.36	-9708.16	436.00
p3-s1	SLU-52	Min M2	-19350.14	24.27	-779.77	-10.73	-16253.64	412.15
p3-s1	SLU-52	Max M3	-20377.89	38.51	-784.02	-5.54	-12646.81	675.55
p3-s1	SLU-52	Min M3	-20205.52	12.02	-783.57	-9.58	-13169.37	185.53
p3-s1	SLU-53	Max P	-18157.45	35.62	719.75	-11.27	13411.16	584.14
p3-s1	SLU-53	Min P	-21180.03	38.04	730.33	-11.58	9875.79	628.96
p3-s1	SLU-53	Max M2	-18961.99	40.04	723.12	-8.95	14856.54	666.02
p3-s1	SLU-53	Min M2	-20535.30	38.99	729.04	-13.32	8286.49	646.52
p3-s1	SLU-53	Max M3	-20094.70	57.32	727.12	-14.01	11457.34	985.59
p3-s1	SLU-53	Min M3	-19985.88	21.25	727.00	-10.38	11555.95	318.38
p3-s1	SLU-54	Max P	-18154.08	36.35	729.27	-8.49	13613.78	597.72
p3-s1	SLU-54	Min P	-21083.97	41.40	718.22	-8.20	17451.68	691.04
p3-s1	SLU-54	Max M2	-20410.85	40.93	719.37	-6.61	18777.11	682.40
p3-s1	SLU-54	Min M2	-18986.65	39.64	725.23	-10.98	12231.63	658.55
p3-s1	SLU-54	Max M3	-20014.40	53.88	720.97	-5.79	15838.46	921.95
p3-s1	SLU-54	Min M3	-19842.03	27.39	721.43	-9.83	15315.90	431.93
p3-s1	SLU-55	Max P	-18169.17	21.21	-785.11	-11.12	-15318.35	355.55
p3-s1	SLU-55	Min P	-21191.76	23.63	-774.53	-11.43	-18853.72	400.38
p3-s1	SLU-55	Max M2	-18973.71	25.64	-781.74	-8.79	-13872.97	437.44
p3-s1	SLU-55	Min M2	-20547.03	24.58	-775.82	-13.17	-20443.02	417.94
p3-s1	SLU-55	Max M3	-20106.43	42.91	-777.75	-13.86	-17272.17	757.00
p3-s1	SLU-55	Min M3	-19997.61	6.84	-777.87	-10.22	-17173.56	89.80
p3-s1	SLU-56	Max P	-18165.81	21.94	-775.60	-8.33	-15115.73	369.14
p3-s1	SLU-56	Min P	-21095.70	26.99	-786.65	-8.04	-11277.83	462.45
p3-s1	SLU-56	Max M2	-20422.57	26.52	-785.49	-6.46	-9952.40	453.81
p3-s1	SLU-56	Min M2	-18998.38	25.23	-779.64	-10.82	-16497.89	429.97
p3-s1	SLU-56	Max M3	-20026.12	39.47	-783.89	-5.63	-12891.05	693.36
p3-s1	SLU-56	Min M3	-19853.76	12.98	-783.44	-9.67	-13413.62	203.34
p3-s1	SLU-57	Max P	-18730.62	32.01	719.47	-11.23	13627.00	517.44
p3-s1	SLU-57	Min P	-21753.21	34.44	730.05	-11.54	10091.63	562.27
p3-s1	SLU-57	Max M2	-19535.16	36.44	722.84	-8.91	15072.38	599.33
p3-s1	SLU-57	Min M2	-21108.48	35.39	728.76	-13.28	8502.32	579.83
p3-s1	SLU-57	Max M3	-20667.88	53.71	726.84	-13.97	11673.18	918.89
p3-s1	SLU-57	Min M3	-20559.06	17.65	726.72	-10.34	11771.78	251.69
p3-s1	SLU-58	Max P	-18727.26	32.75	728.98	-8.45	13829.62	531.03
p3-s1	SLU-58	Min P	-21657.15	37.79	717.93	-8.16	17667.51	624.35
p3-s1	SLU-58	Max M2	-20984.02	37.32	719.09	-6.57	18992.94	615.71
p3-s1	SLU-58	Min M2	-19559.83	36.04	724.95	-10.94	12447.46	591.86
p3-s1	SLU-58	Max M3	-20587.57	50.27	720.69	-5.75	16054.30	855.25
p3-s1	SLU-58	Min M3	-20415.21	23.79	721.15	-9.79	15531.73	365.23
p3-s1	SLU-59	Max P	-18742.35	17.60	-785.40	-11.08	-15102.51	288.86
p3-s1	SLU-59	Min P	-21764.94	20.03	-774.82	-11.39	-18637.88	333.68
p3-s1	SLU-59	Max M2	-19546.89	22.03	-782.02	-8.75	-13657.14	370.74
p3-s1	SLU-59	Min M2	-21120.21	20.98	-776.11	-13.13	-20227.19	351.24

p3-s1	SLU-59	Max M3	-20679.61	39.30	-778.03	-13.82	-17056.33	690.31
p3-s1	SLU-59	Min M3	-20570.79	3.24	-778.15	-10.18	-16957.73	23.10
p3-s1	SLU-60	Max P	-18738.98	18.34	-775.88	-8.29	-14899.89	302.44
p3-s1	SLU-60	Min P	-21668.88	23.38	-786.93	-8.00	-11062.00	395.76
p3-s1	SLU-60	Max M2	-20995.75	22.92	-785.77	-6.42	-9736.57	387.12
p3-s1	SLU-60	Min M2	-19571.56	21.63	-779.92	-10.78	-16282.05	363.27
p3-s1	SLU-60	Max M3	-20599.30	35.86	-784.17	-5.59	-12675.21	626.67
p3-s1	SLU-60	Min M3	-20426.94	9.38	-783.72	-9.63	-13197.78	136.64
p3-s1	SLU-61	Max P	-18378.86	32.98	719.60	-11.32	13382.75	535.26
p3-s1	SLU-61	Min P	-21401.45	35.40	730.18	-11.63	9847.39	580.08
p3-s1	SLU-61	Max M2	-19183.40	37.40	722.97	-9.00	14828.13	617.14
p3-s1	SLU-61	Min M2	-20756.72	36.35	728.89	-13.38	8258.08	597.64
p3-s1	SLU-61	Max M3	-20316.12	54.68	726.97	-14.06	11428.94	936.71
p3-s1	SLU-61	Min M3	-20207.30	18.61	726.85	-10.43	11527.54	269.50
p3-s1	SLU-62	Max P	-18375.50	33.71	729.12	-8.54	13585.38	548.84
p3-s1	SLU-62	Min P	-21305.39	38.75	718.07	-8.25	17423.27	642.16
p3-s1	SLU-62	Max M2	-20632.26	38.29	719.23	-6.67	18748.70	633.52
p3-s1	SLU-62	Min M2	-19208.07	37.00	725.08	-11.03	12203.22	609.67
p3-s1	SLU-62	Max M3	-20235.81	51.24	720.82	-5.84	15810.06	873.07
p3-s1	SLU-62	Min M3	-20063.45	24.75	721.28	-9.88	15287.49	383.05
p3-s1	SLU-63	Max P	-18390.59	18.57	-785.26	-11.17	-15346.76	306.67
p3-s1	SLU-63	Min P	-21413.18	20.99	-774.68	-11.48	-18882.12	351.49
p3-s1	SLU-63	Max M2	-19195.13	22.99	-781.89	-8.84	-13901.38	388.56
p3-s1	SLU-63	Min M2	-20768.45	21.94	-775.97	-13.22	-20471.43	369.06
p3-s1	SLU-63	Max M3	-20327.85	40.27	-777.90	-13.91	-17300.58	708.12
p3-s1	SLU-63	Min M3	-20219.03	4.20	-778.02	-10.28	-17201.97	40.92
p3-s1	SLU-64	Max P	-18387.22	19.30	-775.75	-8.38	-15144.13	320.25
p3-s1	SLU-64	Min P	-21317.12	24.35	-786.80	-8.10	-11306.24	413.57
p3-s1	SLU-64	Max M2	-20643.99	23.88	-785.64	-6.51	-9980.81	404.93
p3-s1	SLU-64	Min M2	-19219.80	22.59	-779.79	-10.88	-16526.29	381.08
p3-s1	SLU-64	Max M3	-20247.54	36.83	-784.04	-5.68	-12919.45	644.48
p3-s1	SLU-64	Min M3	-20075.18	10.34	-783.59	-9.73	-13442.02	154.46
p3-s1	SLU-65	Max P	-18494.34	343.66	718.75	-10.11	13652.51	6283.00
p3-s1	SLU-65	Min P	-21516.92	346.09	729.33	-10.42	10117.14	6327.83
p3-s1	SLU-65	Max M2	-19298.88	348.09	722.12	-7.79	15097.89	6364.89
p3-s1	SLU-65	Min M2	-20872.19	347.04	728.04	-12.17	8527.84	6345.39
p3-s1	SLU-65	Max M3	-20431.59	365.36	726.11	-12.85	11698.69	6684.46
p3-s1	SLU-65	Min M3	-20322.77	329.30	725.99	-9.22	11797.30	6017.25
p3-s1	SLU-66	Max P	-18490.97	344.40	728.26	-7.33	13855.13	6296.59
p3-s1	SLU-66	Min P	-21420.86	349.44	717.21	-7.04	17693.03	6389.91
p3-s1	SLU-66	Max M2	-20747.74	348.98	718.37	-5.46	19018.46	6381.27
p3-s1	SLU-66	Min M2	-19323.54	347.69	724.22	-9.82	12472.98	6357.42
p3-s1	SLU-66	Max M3	-20351.29	361.92	719.97	-4.63	16079.81	6620.82
p3-s1	SLU-66	Min M3	-20178.92	335.44	720.42	-8.67	15557.24	6130.79
p3-s1	SLU-67	Max P	-18506.06	329.26	-786.12	-9.96	-15077.00	6054.42
p3-s1	SLU-67	Min P	-21528.65	331.68	-775.54	-10.27	-18612.37	6099.24
p3-s1	SLU-67	Max M2	-19310.60	333.68	-782.75	-7.64	-13631.62	6136.30
p3-s1	SLU-67	Min M2	-20883.92	332.63	-776.83	-12.01	-20201.67	6116.80
p3-s1	SLU-67	Max M3	-20443.32	350.96	-778.75	-12.70	-17030.82	6455.87
p3-s1	SLU-67	Min M3	-20334.50	314.89	-778.87	-9.07	-16932.21	5788.66
p3-s1	SLU-68	Max P	-18502.70	329.99	-776.61	-7.18	-14874.38	6068.00

p3-s1	SLU-68	Min P	-21432.59	335.04	-787.66	-6.89	-11036.48	6161.32
p3-s1	SLU-68	Max M2	-20759.46	334.57	-786.50	-5.30	-9711.05	6152.68
p3-s1	SLU-68	Min M2	-19335.27	333.28	-780.64	-9.67	-16256.54	6128.83
p3-s1	SLU-68	Max M3	-20363.01	347.52	-784.90	-4.47	-12649.70	6392.23
p3-s1	SLU-68	Min M3	-20190.65	321.03	-784.44	-8.52	-13172.27	5902.21
p3-s1	SLU-69	Max P	-18142.57	344.63	718.88	-10.21	13408.27	6300.82
p3-s1	SLU-69	Min P	-21165.16	347.05	729.46	-10.52	9872.90	6345.64
p3-s1	SLU-69	Max M2	-18947.12	349.05	722.25	-7.88	14853.65	6382.70
p3-s1	SLU-69	Min M2	-20520.43	348.00	728.17	-12.26	8283.60	6363.21
p3-s1	SLU-69	Max M3	-20079.83	366.33	726.24	-12.95	11454.45	6702.27
p3-s1	SLU-69	Min M3	-19971.01	330.26	726.13	-9.32	11553.06	6035.07
p3-s1	SLU-70	Max P	-18139.21	345.36	728.39	-7.42	13610.89	6314.40
p3-s1	SLU-70	Min P	-21069.10	350.41	717.34	-7.13	17448.79	6407.72
p3-s1	SLU-70	Max M2	-20395.98	349.94	718.50	-5.55	18774.22	6399.08
p3-s1	SLU-70	Min M2	-18971.78	348.65	724.35	-9.92	12228.73	6375.23
p3-s1	SLU-70	Max M3	-19999.53	362.89	720.10	-4.72	15835.57	6638.63
p3-s1	SLU-70	Min M3	-19827.16	336.40	720.55	-8.77	15313.00	6148.61
p3-s1	SLU-71	Max P	-18154.30	330.22	-785.99	-10.05	-15321.24	6072.23
p3-s1	SLU-71	Min P	-21176.89	332.64	-775.41	-10.36	-18856.61	6117.06
p3-s1	SLU-71	Max M2	-18958.84	334.65	-782.62	-7.73	-13875.86	6154.12
p3-s1	SLU-71	Min M2	-20532.16	333.59	-776.70	-12.10	-20445.91	6134.62
p3-s1	SLU-71	Max M3	-20091.56	351.92	-778.62	-12.79	-17275.06	6473.68
p3-s1	SLU-71	Min M3	-19982.74	315.85	-778.74	-9.16	-17176.46	5806.48
p3-s1	SLU-72	Max P	-18150.94	330.95	-776.47	-7.27	-15118.62	6085.82
p3-s1	SLU-72	Min P	-21080.83	336.00	-787.52	-6.98	-11280.73	6179.14
p3-s1	SLU-72	Max M2	-20407.70	335.53	-786.36	-5.39	-9955.29	6170.50
p3-s1	SLU-72	Min M2	-18983.51	334.24	-780.51	-9.76	-16500.78	6146.65
p3-s1	SLU-72	Max M3	-20011.25	348.48	-784.77	-4.57	-12893.94	6410.04
p3-s1	SLU-72	Min M3	-19838.89	321.99	-784.31	-8.61	-13416.51	5920.02
p3-s1	SLU-73	Max P	-18715.75	341.02	718.60	-10.17	13624.10	6234.12
p3-s1	SLU-73	Min P	-21738.34	343.45	729.18	-10.48	10088.74	6278.95
p3-s1	SLU-73	Max M2	-19520.29	345.45	721.97	-7.84	15069.48	6316.01
p3-s1	SLU-73	Min M2	-21093.61	344.39	727.89	-12.22	8499.43	6296.51
p3-s1	SLU-73	Max M3	-20653.01	362.72	725.96	-12.91	11670.28	6635.57
p3-s1	SLU-73	Min M3	-20544.19	326.66	725.85	-9.28	11768.89	5968.37
p3-s1	SLU-74	Max P	-18712.39	341.76	728.11	-7.38	13826.73	6247.71
p3-s1	SLU-74	Min P	-21642.28	346.80	717.06	-7.09	17664.62	6341.03
p3-s1	SLU-74	Max M2	-20969.15	346.33	718.22	-5.51	18990.05	6332.39
p3-s1	SLU-74	Min M2	-19544.96	345.04	724.07	-9.88	12444.57	6308.54
p3-s1	SLU-74	Max M3	-20572.70	359.28	719.82	-4.68	16051.41	6571.93
p3-s1	SLU-74	Min M3	-20400.34	332.79	720.27	-8.73	15528.84	6081.91
p3-s1	SLU-75	Max P	-18727.48	326.61	-786.27	-10.01	-15105.41	6005.54
p3-s1	SLU-75	Min P	-21750.07	329.04	-775.69	-10.32	-18640.77	6050.36
p3-s1	SLU-75	Max M2	-19532.02	331.04	-782.90	-7.69	-13660.03	6087.42
p3-s1	SLU-75	Min M2	-21105.34	329.99	-776.98	-12.06	-20230.08	6067.92
p3-s1	SLU-75	Max M3	-20664.74	348.31	-778.90	-12.75	-17059.23	6406.99
p3-s1	SLU-75	Min M3	-20555.92	312.25	-779.02	-9.12	-16960.62	5739.78
p3-s1	SLU-76	Max P	-18724.11	327.35	-776.75	-7.23	-14902.79	6019.12
p3-s1	SLU-76	Min P	-21654.01	332.39	-787.80	-6.94	-11064.89	6112.44
p3-s1	SLU-76	Max M2	-20980.88	331.93	-786.65	-5.35	-9739.46	6103.80
p3-s1	SLU-76	Min M2	-19556.69	330.64	-780.79	-9.72	-16284.94	6079.95

p3-s1	SLU-76	Max M3	-20584.43	344.87	-785.05	-4.53	-12678.10	6343.35
p3-s1	SLU-76	Min M3	-20412.07	318.39	-784.59	-8.57	-13200.67	5853.33
p3-s1	SLU-77	Max P	-18363.99	341.99	718.73	-10.26	13379.86	6251.94
p3-s1	SLU-77	Min P	-21386.58	344.41	729.31	-10.57	9844.49	6296.76
p3-s1	SLU-77	Max M2	-19168.53	346.41	722.10	-7.94	14825.24	6333.82
p3-s1	SLU-77	Min M2	-20741.85	345.36	728.02	-12.31	8255.19	6314.32
p3-s1	SLU-77	Max M3	-20301.25	363.69	726.09	-13.00	11426.04	6653.39
p3-s1	SLU-77	Min M3	-20192.43	327.62	725.98	-9.37	11524.65	5986.18
p3-s1	SLU-78	Max P	-18360.63	342.72	728.24	-7.48	13582.48	6265.52
p3-s1	SLU-78	Min P	-21290.52	347.76	717.19	-7.19	17420.38	6358.84
p3-s1	SLU-78	Max M2	-20617.39	347.30	718.35	-5.60	18745.81	6350.20
p3-s1	SLU-78	Min M2	-19193.20	346.01	724.20	-9.97	12200.33	6326.35
p3-s1	SLU-78	Max M3	-20220.94	360.25	719.95	-4.77	15807.17	6589.75
p3-s1	SLU-78	Min M3	-20048.58	333.76	720.40	-8.82	15284.60	6099.73
p3-s1	SLU-79	Max P	-18375.72	327.58	-786.14	-10.10	-15349.65	6023.35
p3-s1	SLU-79	Min P	-21398.30	330.00	-775.56	-10.41	-18885.02	6068.18
p3-s1	SLU-79	Max M2	-19180.26	332.00	-782.77	-7.78	-13904.27	6105.24
p3-s1	SLU-79	Min M2	-20753.58	330.95	-776.85	-12.16	-20474.32	6085.74
p3-s1	SLU-79	Max M3	-20312.97	349.28	-778.77	-12.84	-17303.47	6424.80
p3-s1	SLU-79	Min M3	-20204.16	313.21	-778.89	-9.21	-17204.86	5757.60
p3-s1	SLU-80	Max P	-18372.35	328.31	-776.62	-7.32	-15147.03	6036.94
p3-s1	SLU-80	Min P	-21302.24	333.36	-787.67	-7.03	-11309.13	6130.25
p3-s1	SLU-80	Max M2	-20629.12	332.89	-786.51	-5.45	-9983.70	6121.61
p3-s1	SLU-80	Min M2	-19204.92	331.60	-780.66	-9.81	-16529.18	6097.77
p3-s1	SLU-80	Max M3	-20232.67	345.84	-784.92	-4.62	-12922.35	6361.16
p3-s1	SLU-80	Min M3	-20060.31	319.35	-784.46	-8.66	-13444.91	5871.14
p3-s1	SLU-81	Max P	-18496.44	342.90	566.88	-22.86	10431.81	6268.78
p3-s1	SLU-81	Min P	-21519.02	345.32	577.46	-23.17	6896.44	6313.60
p3-s1	SLU-81	Max M2	-19300.98	347.32	570.25	-20.53	11877.19	6350.66
p3-s1	SLU-81	Min M2	-20874.29	346.27	576.17	-24.91	5307.14	6331.16
p3-s1	SLU-81	Max M3	-20433.69	364.60	574.24	-25.60	8477.99	6670.23
p3-s1	SLU-81	Min M3	-20324.87	328.53	574.12	-21.97	8576.59	6003.02
p3-s1	SLU-82	Max P	-18493.07	343.63	576.39	-20.07	10634.43	6282.36
p3-s1	SLU-82	Min P	-21422.96	348.67	565.34	-19.78	14472.32	6375.68
p3-s1	SLU-82	Max M2	-20749.84	348.21	566.50	-18.20	15797.76	6367.04
p3-s1	SLU-82	Min M2	-19325.64	346.92	572.35	-22.57	9252.27	6343.19
p3-s1	SLU-82	Max M3	-20353.39	361.16	568.10	-17.37	12859.11	6606.59
p3-s1	SLU-82	Min M3	-20181.02	334.67	568.55	-21.42	12336.54	6116.57
p3-s1	SLU-83	Max P	-18508.16	328.49	-937.99	-22.70	-18297.70	6040.19
p3-s1	SLU-83	Min P	-21530.75	330.91	-927.41	-23.01	-21833.07	6085.02
p3-s1	SLU-83	Max M2	-19312.70	332.91	-934.62	-20.38	-16852.32	6122.08
p3-s1	SLU-83	Min M2	-20886.02	331.86	-928.70	-24.75	-23422.37	6102.58
p3-s1	SLU-83	Max M3	-20445.42	350.19	-930.62	-25.44	-20251.52	6441.64
p3-s1	SLU-83	Min M3	-20336.60	314.12	-930.74	-21.81	-20152.92	5774.44
p3-s1	SLU-84	Max P	-18504.80	329.22	-928.48	-19.92	-18095.08	6053.78
p3-s1	SLU-84	Min P	-21434.69	334.27	-939.53	-19.63	-14257.19	6147.09
p3-s1	SLU-84	Max M2	-20761.56	333.80	-938.37	-18.04	-12931.76	6138.45
p3-s1	SLU-84	Min M2	-19337.37	332.51	-932.51	-22.41	-19477.24	6114.61
p3-s1	SLU-84	Max M3	-20365.11	346.75	-936.77	-17.22	-15870.40	6378.00
p3-s1	SLU-84	Min M3	-20192.75	320.26	-936.31	-21.26	-16392.97	5887.98
p3-s1	SLU-85	Max P	-18144.67	343.86	567.01	-22.95	10187.57	6286.59

p3-s1	SLU-85	Min P	-21167.26	346.28	577.59	-23.26	6652.20	6331.42
p3-s1	SLU-85	Max M2	-18949.22	348.28	570.38	-20.63	11632.95	6368.48
p3-s1	SLU-85	Min M2	-20522.53	347.23	576.30	-25.00	5062.90	6348.98
p3-s1	SLU-85	Max M3	-20081.93	365.56	574.37	-25.69	8233.75	6688.04
p3-s1	SLU-85	Min M3	-19973.11	329.49	574.26	-22.06	8332.35	6020.84
p3-s1	SLU-86	Max P	-18141.31	344.59	576.52	-20.17	10390.19	6300.18
p3-s1	SLU-86	Min P	-21071.20	349.64	565.47	-19.88	14228.08	6393.49
p3-s1	SLU-86	Max M2	-20398.08	349.17	566.63	-18.29	15553.51	6384.86
p3-s1	SLU-86	Min M2	-18973.88	347.88	572.48	-22.66	9008.03	6361.01
p3-s1	SLU-86	Max M3	-20001.63	362.12	568.23	-17.46	12614.87	6624.40
p3-s1	SLU-86	Min M3	-19829.26	335.63	568.68	-21.51	12092.30	6134.38
p3-s1	SLU-87	Max P	-18156.40	329.45	-937.86	-22.79	-18541.94	6058.00
p3-s1	SLU-87	Min P	-21178.99	331.87	-927.28	-23.10	-22077.31	6102.83
p3-s1	SLU-87	Max M2	-18960.94	333.88	-934.49	-20.47	-17096.56	6139.89
p3-s1	SLU-87	Min M2	-20534.26	332.82	-928.57	-24.85	-23666.62	6120.39
p3-s1	SLU-87	Max M3	-20093.66	351.15	-930.49	-25.53	-20495.76	6459.46
p3-s1	SLU-87	Min M3	-19984.84	315.09	-930.61	-21.90	-20397.16	5792.25
p3-s1	SLU-88	Max P	-18153.04	330.18	-928.34	-20.01	-18339.32	6071.59
p3-s1	SLU-88	Min P	-21082.93	335.23	-939.39	-19.72	-14501.43	6164.91
p3-s1	SLU-88	Max M2	-20409.80	334.76	-938.24	-18.14	-13176.00	6156.27
p3-s1	SLU-88	Min M2	-18985.61	333.47	-932.38	-22.50	-19721.48	6132.42
p3-s1	SLU-88	Max M3	-20013.35	347.71	-936.64	-17.31	-16114.64	6395.82
p3-s1	SLU-88	Min M3	-19840.99	321.22	-936.18	-21.35	-16637.21	5905.79
p3-s1	SLU-89	Max P	-18717.85	340.25	566.73	-22.91	10403.40	6219.90
p3-s1	SLU-89	Min P	-21740.44	342.68	577.31	-23.22	6868.03	6264.72
p3-s1	SLU-89	Max M2	-19522.39	344.68	570.10	-20.59	11848.78	6301.78
p3-s1	SLU-89	Min M2	-21095.71	343.63	576.02	-24.96	5278.73	6282.28
p3-s1	SLU-89	Max M3	-20655.11	361.95	574.09	-25.65	8449.58	6621.35
p3-s1	SLU-89	Min M3	-20546.29	325.89	573.97	-22.02	8548.19	5954.14
p3-s1	SLU-90	Max P	-18714.49	340.99	576.24	-20.13	10606.02	6233.48
p3-s1	SLU-90	Min P	-21644.38	346.03	565.19	-19.84	14443.92	6326.80
p3-s1	SLU-90	Max M2	-20971.25	345.57	566.35	-18.25	15769.35	6318.16
p3-s1	SLU-90	Min M2	-19547.06	344.28	572.20	-22.62	9223.87	6294.31
p3-s1	SLU-90	Max M3	-20574.80	358.51	567.95	-17.43	12830.70	6557.71
p3-s1	SLU-90	Min M3	-20402.44	332.03	568.40	-21.47	12308.13	6067.69
p3-s1	SLU-91	Max P	-18729.58	325.85	-938.14	-22.75	-18326.11	5991.31
p3-s1	SLU-91	Min P	-21752.17	328.27	-927.56	-23.06	-21861.48	6036.13
p3-s1	SLU-91	Max M2	-19534.12	330.27	-934.77	-20.43	-16880.73	6073.20
p3-s1	SLU-91	Min M2	-21107.44	329.22	-928.85	-24.81	-23450.78	6053.70
p3-s1	SLU-91	Max M3	-20666.84	347.55	-930.77	-25.49	-20279.93	6392.76
p3-s1	SLU-91	Min M3	-20558.02	311.48	-930.89	-21.86	-20181.32	5725.56
p3-s1	SLU-92	Max P	-18726.21	326.58	-928.63	-19.97	-18123.49	6004.89
p3-s1	SLU-92	Min P	-21656.11	331.62	-939.68	-19.68	-14285.59	6098.21
p3-s1	SLU-92	Max M2	-20982.98	331.16	-938.52	-18.10	-12960.16	6089.57
p3-s1	SLU-92	Min M2	-19558.79	329.87	-932.66	-22.46	-19505.65	6065.72
p3-s1	SLU-92	Max M3	-20586.53	344.11	-936.92	-17.27	-15898.81	6329.12
p3-s1	SLU-92	Min M3	-20414.17	317.62	-936.46	-21.31	-16421.38	5839.10
p3-s1	SLU-93	Max P	-18366.09	341.22	566.86	-23.00	10159.16	6237.71
p3-s1	SLU-93	Min P	-21388.68	343.64	577.44	-23.31	6623.79	6282.54
p3-s1	SLU-93	Max M2	-19170.63	345.64	570.23	-20.68	11604.54	6319.60
p3-s1	SLU-93	Min M2	-20743.95	344.59	576.15	-25.06	5034.49	6300.10

p3-s1	SLU-93	Max M3	-20303.35	362.92	574.22	-25.74	8205.34	6639.16
p3-s1	SLU-93	Min M3	-20194.53	326.85	574.11	-22.11	8303.95	5971.96
p3-s1	SLU-94	Max P	-18362.73	341.95	576.37	-20.22	10361.78	6251.30
p3-s1	SLU-94	Min P	-21292.62	347.00	565.32	-19.93	14199.68	6344.61
p3-s1	SLU-94	Max M2	-20619.49	346.53	566.48	-18.34	15525.11	6335.97
p3-s1	SLU-94	Min M2	-19195.30	345.24	572.33	-22.71	8979.62	6312.12
p3-s1	SLU-94	Max M3	-20223.04	359.48	568.08	-17.52	12586.46	6575.52
p3-s1	SLU-94	Min M3	-20050.68	332.99	568.53	-21.56	12063.89	6085.50
p3-s1	SLU-95	Max P	-18377.82	326.81	-938.01	-22.85	-18570.35	6009.12
p3-s1	SLU-95	Min P	-21400.40	329.23	-927.43	-23.16	-22105.72	6053.95
p3-s1	SLU-95	Max M2	-19182.36	331.23	-934.64	-20.52	-17124.97	6091.01
p3-s1	SLU-95	Min M2	-20755.68	330.18	-928.72	-24.90	-23695.02	6071.51
p3-s1	SLU-95	Max M3	-20315.07	348.51	-930.64	-25.59	-20524.17	6410.57
p3-s1	SLU-95	Min M3	-20206.26	312.44	-930.76	-21.96	-20425.57	5743.37
p3-s1	SLU-96	Max P	-18374.45	327.54	-928.49	-20.06	-18367.73	6022.71
p3-s1	SLU-96	Min P	-21304.34	332.59	-939.54	-19.77	-14529.84	6116.03
p3-s1	SLU-96	Max M2	-20631.22	332.12	-938.39	-18.19	-13204.40	6107.39
p3-s1	SLU-96	Min M2	-19207.02	330.83	-932.53	-22.55	-19749.89	6083.54
p3-s1	SLU-96	Max M3	-20234.77	345.07	-936.79	-17.36	-16143.05	6346.93
p3-s1	SLU-96	Min M3	-20062.41	318.58	-936.33	-21.41	-16665.62	5856.91
p3-s1	SLU-97	Max P	-18491.07	350.79	1238.83	-0.62	23571.98	6402.18
p3-s1	SLU-97	Min P	-21513.66	353.21	1249.41	-0.93	20036.62	6447.00
p3-s1	SLU-97	Max M2	-19295.62	355.22	1242.20	1.71	25017.36	6484.06
p3-s1	SLU-97	Min M2	-20868.93	354.16	1248.12	-2.67	18447.31	6464.56
p3-s1	SLU-97	Max M3	-20428.33	372.49	1246.19	-3.36	21618.17	6803.63
p3-s1	SLU-97	Min M3	-20319.51	336.43	1246.08	0.28	21716.77	6136.42
p3-s1	SLU-98	Max P	-18487.71	351.52	1248.34	2.17	23774.61	6415.76
p3-s1	SLU-98	Min P	-21417.60	356.57	1237.29	2.46	27612.50	6509.08
p3-s1	SLU-98	Max M2	-20744.48	356.10	1238.45	4.04	28937.93	6500.44
p3-s1	SLU-98	Min M2	-19320.28	354.81	1244.30	-0.32	22392.45	6476.59
p3-s1	SLU-98	Max M3	-20348.03	369.05	1240.05	4.87	25999.29	6739.99
p3-s1	SLU-98	Min M3	-20175.66	342.56	1240.51	0.83	25476.72	6249.97
p3-s1	SLU-99	Max P	-18510.62	326.78	-1269.28	-0.36	-24310.53	6021.20
p3-s1	SLU-99	Min P	-21533.21	329.20	-1258.70	-0.67	-27845.90	6066.02
p3-s1	SLU-99	Max M2	-19315.16	331.20	-1265.91	1.97	-22865.15	6103.08
p3-s1	SLU-99	Min M2	-20888.48	330.15	-1259.99	-2.41	-29435.21	6083.59
p3-s1	SLU-99	Max M3	-20447.88	348.48	-1261.91	-3.10	-26264.35	6422.65
p3-s1	SLU-99	Min M3	-20339.06	312.41	-1262.03	0.53	-26165.75	5755.44
p3-s1	SLU-100	Max P	-18507.26	327.51	-1259.77	2.43	-24107.91	6034.78
p3-s1	SLU-100	Min P	-21437.15	332.56	-1270.82	2.72	-20270.02	6128.10
p3-s1	SLU-100	Max M2	-20764.02	332.09	-1269.66	4.30	-18944.59	6119.46
p3-s1	SLU-100	Min M2	-19339.83	330.80	-1263.81	-0.06	-25490.07	6095.61
p3-s1	SLU-100	Max M3	-20367.57	345.04	-1268.06	5.13	-21883.23	6359.01
p3-s1	SLU-100	Min M3	-20195.21	318.55	-1267.60	1.09	-22405.80	5868.99
p3-s1	SLU-101	Max P	-18139.31	351.75	1238.96	-0.71	23327.74	6419.99
p3-s1	SLU-101	Min P	-21161.90	354.18	1249.54	-1.02	19792.38	6464.81
p3-s1	SLU-101	Max M2	-18943.85	356.18	1242.33	1.62	24773.12	6501.88
p3-s1	SLU-101	Min M2	-20517.17	355.13	1248.25	-2.76	18203.07	6482.38
p3-s1	SLU-101	Max M3	-20076.57	373.45	1246.33	-3.45	21373.92	6821.44
p3-s1	SLU-101	Min M3	-19967.75	337.39	1246.21	0.18	21472.53	6154.24
p3-s1	SLU-102	Max P	-18135.95	352.49	1248.47	2.08	23530.36	6433.58

p3-s1	SLU-102	Min P	-21065.84	357.53	1237.42	2.36	27368.26	6526.89
p3-s1	SLU-102	Max M2	-20392.71	357.07	1238.58	3.95	28693.69	6518.25
p3-s1	SLU-102	Min M2	-18968.52	355.78	1244.44	-0.42	22148.21	6494.40
p3-s1	SLU-102	Max M3	-19996.26	370.01	1240.18	4.78	25755.05	6757.80
p3-s1	SLU-102	Min M3	-19823.90	343.53	1240.64	0.73	25232.48	6267.78
p3-s1	SLU-103	Max P	-18158.86	327.74	-1269.15	-0.45	-24554.77	6039.01
p3-s1	SLU-103	Min P	-21181.45	330.16	-1258.57	-0.76	-28090.14	6083.84
p3-s1	SLU-103	Max M2	-18963.40	332.17	-1265.78	1.88	-23109.39	6120.90
p3-s1	SLU-103	Min M2	-20536.72	331.11	-1259.86	-2.50	-29679.45	6101.40
p3-s1	SLU-103	Max M3	-20096.12	349.44	-1261.78	-3.19	-26508.59	6440.46
p3-s1	SLU-103	Min M3	-19987.30	313.37	-1261.90	0.44	-26409.99	5773.26
p3-s1	SLU-104	Max P	-18155.49	328.47	-1259.64	2.34	-24352.15	6052.60
p3-s1	SLU-104	Min P	-21085.39	333.52	-1270.69	2.62	-20514.26	6145.92
p3-s1	SLU-104	Max M2	-20412.26	333.05	-1269.53	4.21	-19188.83	6137.28
p3-s1	SLU-104	Min M2	-18988.07	331.76	-1263.67	-0.16	-25734.31	6113.43
p3-s1	SLU-104	Max M3	-20015.81	346.00	-1267.93	5.04	-22127.47	6376.82
p3-s1	SLU-104	Min M3	-19843.45	319.51	-1267.47	0.99	-22650.04	5886.80
p3-s1	SLU-105	Max P	-18712.49	348.15	1238.68	-0.67	23543.58	6353.29
p3-s1	SLU-105	Min P	-21735.08	350.57	1249.26	-0.98	20008.21	6398.12
p3-s1	SLU-105	Max M2	-19517.03	352.57	1242.05	1.66	24988.96	6435.18
p3-s1	SLU-105	Min M2	-21090.35	351.52	1247.97	-2.72	18418.91	6415.68
p3-s1	SLU-105	Max M3	-20649.75	369.85	1246.04	-3.41	21589.76	6754.75
p3-s1	SLU-105	Min M3	-20540.93	333.78	1245.93	0.22	21688.36	6087.54
p3-s1	SLU-106	Max P	-18709.13	348.88	1248.19	2.12	23746.20	6366.88
p3-s1	SLU-106	Min P	-21639.02	353.93	1237.14	2.40	27584.09	6460.20
p3-s1	SLU-106	Max M2	-20965.89	353.46	1238.30	3.99	28909.53	6451.56
p3-s1	SLU-106	Min M2	-19541.70	352.17	1244.15	-0.38	22364.04	6427.71
p3-s1	SLU-106	Max M3	-20569.44	366.41	1239.90	4.82	25970.88	6691.11
p3-s1	SLU-106	Min M3	-20397.08	339.92	1240.36	0.77	25448.31	6201.08
p3-s1	SLU-107	Max P	-18732.04	324.13	-1269.43	-0.41	-24338.94	5972.32
p3-s1	SLU-107	Min P	-21754.62	326.56	-1258.85	-0.72	-27874.31	6017.14
p3-s1	SLU-107	Max M2	-19536.58	328.56	-1266.06	1.91	-22893.56	6054.20
p3-s1	SLU-107	Min M2	-21109.89	327.51	-1260.14	-2.46	-29463.61	6034.70
p3-s1	SLU-107	Max M3	-20669.29	345.83	-1262.06	-3.15	-26292.76	6373.77
p3-s1	SLU-107	Min M3	-20560.47	309.77	-1262.18	0.48	-26194.15	5706.56
p3-s1	SLU-108	Max P	-18728.67	324.87	-1259.92	2.37	-24136.32	5985.90
p3-s1	SLU-108	Min P	-21658.56	329.91	-1270.97	2.66	-20298.42	6079.22
p3-s1	SLU-108	Max M2	-20985.44	329.45	-1269.81	4.25	-18972.99	6070.58
p3-s1	SLU-108	Min M2	-19561.24	328.16	-1263.95	-0.12	-25518.48	6046.73
p3-s1	SLU-108	Max M3	-20588.99	342.39	-1268.21	5.08	-21911.64	6310.13
p3-s1	SLU-108	Min M3	-20416.62	315.91	-1267.75	1.03	-22434.21	5820.11
p3-s1	SLU-109	Max P	-18360.73	349.11	1238.81	-0.76	23299.34	6371.11
p3-s1	SLU-109	Min P	-21383.32	351.53	1249.39	-1.07	19763.97	6415.93
p3-s1	SLU-109	Max M2	-19165.27	353.54	1242.18	1.56	24744.72	6452.99
p3-s1	SLU-109	Min M2	-20738.59	352.48	1248.10	-2.81	18174.67	6433.50
p3-s1	SLU-109	Max M3	-20297.99	370.81	1246.18	-3.50	21345.52	6772.56
p3-s1	SLU-109	Min M3	-20189.17	334.75	1246.06	0.13	21444.12	6105.36
p3-s1	SLU-110	Max P	-18357.36	349.85	1248.32	2.02	23501.96	6384.69
p3-s1	SLU-110	Min P	-21287.26	354.89	1237.27	2.31	27339.85	6478.01
p3-s1	SLU-110	Max M2	-20614.13	354.42	1238.43	3.90	28665.28	6469.37
p3-s1	SLU-110	Min M2	-19189.94	353.13	1244.29	-0.47	22119.80	6445.52

p3-s1	SLU-110	Max M3	-20217.68	367.37	1240.03	4.72	25726.64	6708.92
p3-s1	SLU-110	Min M3	-20045.32	340.88	1240.49	0.68	25204.07	6218.90
p3-s1	SLU-111	Max P	-18380.28	325.10	-1269.30	-0.50	-24583.18	5990.13
p3-s1	SLU-111	Min P	-21402.86	327.52	-1258.72	-0.81	-28118.55	6034.96
p3-s1	SLU-111	Max M2	-19184.82	329.52	-1265.93	1.82	-23137.80	6072.02
p3-s1	SLU-111	Min M2	-20758.13	328.47	-1260.01	-2.55	-29707.85	6052.52
p3-s1	SLU-111	Max M3	-20317.53	346.80	-1261.93	-3.24	-26537.00	6391.58
p3-s1	SLU-111	Min M3	-20208.71	310.73	-1262.05	0.39	-26438.40	5724.38
p3-s1	SLU-112	Max P	-18376.91	325.83	-1259.78	2.28	-24380.56	6003.72
p3-s1	SLU-112	Min P	-21306.80	330.88	-1270.84	2.57	-20542.67	6097.03
p3-s1	SLU-112	Max M2	-20633.68	330.41	-1269.68	4.16	-19217.23	6088.40
p3-s1	SLU-112	Min M2	-19209.48	329.12	-1263.82	-0.21	-25762.72	6064.55
p3-s1	SLU-112	Max M3	-20237.23	343.36	-1268.08	4.98	-22155.88	6327.94
p3-s1	SLU-112	Min M3	-20064.86	316.87	-1267.62	0.94	-22678.45	5837.92
p3-s1	SLU-113	Max P	-18414.28	583.58	730.59	0.50	13908.23	10684.29
p3-s1	SLU-113	Min P	-21436.87	586.01	741.17	0.19	10372.86	10729.11
p3-s1	SLU-113	Max M2	-19218.82	588.01	733.96	2.82	15353.61	10766.18
p3-s1	SLU-113	Min M2	-20792.14	586.95	739.88	-1.55	8783.56	10746.68
p3-s1	SLU-113	Max M3	-20351.54	605.28	737.95	-2.24	11954.41	11085.74
p3-s1	SLU-113	Min M3	-20242.72	569.22	737.84	1.39	12053.01	10418.54
p3-s1	SLU-114	Max P	-18410.92	584.32	740.10	3.28	14110.85	10697.87
p3-s1	SLU-114	Min P	-21340.81	589.36	729.05	3.57	17948.74	10791.19
p3-s1	SLU-114	Max M2	-20667.68	588.89	730.21	5.16	19274.17	10782.55
p3-s1	SLU-114	Min M2	-19243.49	587.61	736.06	0.79	12728.69	10758.70
p3-s1	SLU-114	Max M3	-20271.23	601.84	731.81	5.98	16335.53	11022.10
p3-s1	SLU-114	Min M3	-20098.87	575.36	732.27	1.94	15812.96	10532.08
p3-s1	SLU-115	Max P	-18426.01	569.17	-774.28	0.66	-14821.28	10455.70
p3-s1	SLU-115	Min P	-21448.59	571.60	-763.70	0.35	-18356.65	10500.53
p3-s1	SLU-115	Max M2	-19230.55	573.60	-770.91	2.98	-13375.90	10537.59
p3-s1	SLU-115	Min M2	-20803.87	572.55	-764.99	-1.40	-19945.96	10518.09
p3-s1	SLU-115	Max M3	-20363.26	590.87	-766.91	-2.08	-16775.10	10857.15
p3-s1	SLU-115	Min M3	-20254.45	554.81	-767.03	1.55	-16676.50	10189.95
p3-s1	SLU-116	Max P	-18422.64	569.91	-764.76	3.44	-14618.66	10469.29
p3-s1	SLU-116	Min P	-21352.53	574.95	-775.81	3.73	-10780.77	10562.61
p3-s1	SLU-116	Max M2	-20679.41	574.49	-774.65	5.31	-9455.34	10553.97
p3-s1	SLU-116	Min M2	-19255.21	573.20	-768.80	0.95	-16000.82	10530.12
p3-s1	SLU-116	Max M3	-20282.96	587.43	-773.06	6.14	-12393.98	10793.51
p3-s1	SLU-116	Min M3	-20110.60	560.95	-772.60	2.10	-12916.55	10303.49
p3-s1	SLU-117	Max P	-18062.52	584.55	730.72	0.41	13663.99	10702.10
p3-s1	SLU-117	Min P	-21085.11	586.97	741.30	0.10	10128.62	10746.93
p3-s1	SLU-117	Max M2	-18867.06	588.97	734.09	2.73	15109.37	10783.99
p3-s1	SLU-117	Min M2	-20440.38	587.92	740.01	-1.65	8539.31	10764.49
p3-s1	SLU-117	Max M3	-19999.78	606.25	738.09	-2.33	11710.17	11103.55
p3-s1	SLU-117	Min M3	-19890.96	570.18	737.97	1.30	11808.77	10436.35
p3-s1	SLU-118	Max P	-18059.15	585.28	740.23	3.19	13866.61	10715.69
p3-s1	SLU-118	Min P	-20989.05	590.32	729.18	3.48	17704.50	10809.01
p3-s1	SLU-118	Max M2	-20315.92	589.86	730.34	5.07	19029.93	10800.37
p3-s1	SLU-118	Min M2	-18891.73	588.57	736.20	0.70	12484.45	10776.52
p3-s1	SLU-118	Max M3	-19919.47	602.81	731.94	5.89	16091.29	11039.91
p3-s1	SLU-118	Min M3	-19747.11	576.32	732.40	1.85	15568.72	10549.89
p3-s1	SLU-119	Max P	-18074.25	570.14	-774.15	0.56	-15065.52	10473.52

p3-s1	SLU-119	Min P	-21096.83	572.56	-763.57	0.25	-18600.89	10518.34
p3-s1	SLU-119	Max M2	-18878.79	574.56	-770.78	2.89	-13620.15	10555.40
p3-s1	SLU-119	Min M2	-20452.10	573.51	-764.86	-1.49	-20190.20	10535.90
p3-s1	SLU-119	Max M3	-20011.50	591.84	-766.78	-2.18	-17019.34	10874.97
p3-s1	SLU-119	Min M3	-19902.68	555.77	-766.90	1.45	-16920.74	10207.76
p3-s1	SLU-120	Max P	-18070.88	570.87	-764.63	3.35	-14862.90	10487.10
p3-s1	SLU-120	Min P	-21000.77	575.92	-775.68	3.64	-11025.01	10580.42
p3-s1	SLU-120	Max M2	-20327.65	575.45	-774.52	5.22	-9699.58	10571.78
p3-s1	SLU-120	Min M2	-18903.45	574.16	-768.67	0.85	-16245.06	10547.93
p3-s1	SLU-120	Max M3	-19931.20	588.40	-772.92	6.05	-12638.22	10811.33
p3-s1	SLU-120	Min M3	-19758.83	561.91	-772.47	2.00	-13160.79	10321.31
p3-s1	SLU-121	Max P	-18783.31	579.18	730.34	0.41	13860.88	10602.82
p3-s1	SLU-121	Min P	-21805.89	581.60	740.92	0.10	10325.51	10647.65
p3-s1	SLU-121	Max M2	-19587.85	583.61	733.71	2.74	15306.26	10684.71
p3-s1	SLU-121	Min M2	-21161.16	582.55	739.63	-1.64	8736.21	10665.21
p3-s1	SLU-121	Max M3	-20720.56	600.88	737.71	-2.33	11907.06	11004.27
p3-s1	SLU-121	Min M3	-20611.74	564.81	737.59	1.30	12005.67	10337.07
p3-s1	SLU-122	Max P	-18779.94	579.91	739.85	3.20	14063.50	10616.41
p3-s1	SLU-122	Min P	-21709.83	584.96	728.80	3.48	17901.40	10709.72
p3-s1	SLU-122	Max M2	-21036.71	584.49	729.96	5.07	19226.83	10701.08
p3-s1	SLU-122	Min M2	-19612.51	583.20	735.81	0.70	12681.35	10677.24
p3-s1	SLU-122	Max M3	-20640.26	597.44	731.56	5.90	16288.18	10940.63
p3-s1	SLU-122	Min M3	-20467.89	570.95	732.02	1.85	15765.62	10450.61
p3-s1	SLU-123	Max P	-18795.03	564.77	-774.53	0.57	-14868.63	10374.23
p3-s1	SLU-123	Min P	-21817.62	567.19	-763.95	0.26	-18404.00	10419.06
p3-s1	SLU-123	Max M2	-19599.57	569.20	-771.16	2.89	-13423.25	10456.12
p3-s1	SLU-123	Min M2	-21172.89	568.14	-765.24	-1.49	-19993.30	10436.62
p3-s1	SLU-123	Max M3	-20732.29	586.47	-767.16	-2.17	-16822.45	10775.68
p3-s1	SLU-123	Min M3	-20623.47	550.41	-767.28	1.46	-16723.84	10108.48
p3-s1	SLU-124	Max P	-18791.67	565.50	-765.01	3.35	-14666.01	10387.82
p3-s1	SLU-124	Min P	-21721.56	570.55	-776.06	3.64	-10828.11	10481.14
p3-s1	SLU-124	Max M2	-21048.44	570.08	-774.90	5.23	-9502.68	10472.50
p3-s1	SLU-124	Min M2	-19624.24	568.79	-769.05	0.86	-16048.16	10448.65
p3-s1	SLU-124	Max M3	-20651.99	583.03	-773.30	6.05	-12441.33	10712.04
p3-s1	SLU-124	Min M3	-20479.62	556.54	-772.85	2.01	-12963.89	10222.02
p3-s1	SLU-125	Max P	-18431.55	580.14	730.47	0.32	13616.64	10620.63
p3-s1	SLU-125	Min P	-21454.13	582.56	741.05	0.01	10081.27	10665.46
p3-s1	SLU-125	Max M2	-19236.09	584.57	733.84	2.64	15062.02	10702.52
p3-s1	SLU-125	Min M2	-20809.40	583.51	739.76	-1.73	8491.97	10683.02
p3-s1	SLU-125	Max M3	-20368.80	601.84	737.84	-2.42	11662.82	11022.09
p3-s1	SLU-125	Min M3	-20259.98	565.78	737.72	1.21	11761.43	10354.88
p3-s1	SLU-126	Max P	-18428.18	580.88	739.98	3.10	13819.26	10634.22
p3-s1	SLU-126	Min P	-21358.07	585.92	728.93	3.39	17657.16	10727.54
p3-s1	SLU-126	Max M2	-20684.95	585.45	730.09	4.98	18982.59	10718.90
p3-s1	SLU-126	Min M2	-19260.75	584.16	735.95	0.61	12437.11	10695.05
p3-s1	SLU-126	Max M3	-20288.50	598.40	731.69	5.80	16043.94	10958.45
p3-s1	SLU-126	Min M3	-20116.13	571.91	732.15	1.76	15521.38	10468.42
p3-s1	SLU-127	Max P	-18443.27	565.73	-774.40	0.48	-15112.87	10392.05
p3-s1	SLU-127	Min P	-21465.86	568.16	-763.82	0.17	-18648.24	10436.87
p3-s1	SLU-127	Max M2	-19247.81	570.16	-771.03	2.80	-13667.49	10473.93
p3-s1	SLU-127	Min M2	-20821.13	569.11	-765.11	-1.58	-20237.54	10454.43

p3-s1	SLU-127	Max M3	-20380.53	587.43	-767.03	-2.27	-17066.69	10793.50
p3-s1	SLU-127	Min M3	-20271.71	551.37	-767.15	1.37	-16968.08	10126.29
p3-s1	SLU-128	Max P	-18439.91	566.47	-764.88	3.26	-14910.25	10405.63
p3-s1	SLU-128	Min P	-21369.80	571.51	-775.93	3.55	-11072.35	10498.95
p3-s1	SLU-128	Max M2	-20696.67	571.05	-774.77	5.13	-9746.92	10490.31
p3-s1	SLU-128	Min M2	-19272.48	569.76	-768.92	0.77	-16292.41	10466.46
p3-s1	SLU-128	Max M3	-20300.22	583.99	-773.17	5.96	-12685.57	10729.86
p3-s1	SLU-128	Min M3	-20127.86	557.51	-772.72	1.92	-13208.14	10239.84
p3-s1	SLU-129	Max P	-18294.13	-361.32	753.24	-4.51	14302.06	-6647.68
p3-s1	SLU-129	Min P	-24234.70	-355.37	772.88	-6.26	7486.74	-6537.46
p3-s1	SLU-129	Max M2	-19871.41	-353.39	759.58	0.33	17315.00	-6500.81
p3-s1	SLU-129	Min M2	-22870.43	-356.14	769.31	-10.32	4281.90	-6551.79
p3-s1	SLU-129	Max M3	-21921.15	-322.03	766.48	-9.48	10618.40	-5920.68
p3-s1	SLU-129	Min M3	-21598.49	-388.11	765.02	-3.34	10805.53	-7143.30
p3-s1	SLU-130	Max P	-18288.12	-359.97	770.82	0.49	14676.71	-6622.62
p3-s1	SLU-130	Min P	-24010.69	-349.94	749.94	1.95	21912.73	-6437.08
p3-s1	SLU-130	Max M2	-22565.90	-351.62	753.65	5.91	24743.03	-6468.24
p3-s1	SLU-130	Min M2	-19945.50	-354.52	763.28	-4.67	11770.77	-6521.88
p3-s1	SLU-130	Max M3	-21781.52	-328.09	756.18	5.47	18886.96	-6032.78
p3-s1	SLU-130	Min M3	-21341.79	-377.13	757.82	-1.60	17821.01	-6940.10
p3-s1	SLU-131	Max P	-18305.85	-375.73	-751.62	-4.35	-14427.45	-6876.27
p3-s1	SLU-131	Min P	-24246.43	-369.77	-731.99	-6.10	-21242.77	-6766.05
p3-s1	SLU-131	Max M2	-19883.14	-367.79	-745.28	0.49	-11414.51	-6729.40
p3-s1	SLU-131	Min M2	-22882.16	-370.55	-735.55	-10.17	-24447.61	-6780.37
p3-s1	SLU-131	Max M3	-21932.88	-336.44	-738.39	-9.33	-18111.11	-6149.27
p3-s1	SLU-131	Min M3	-21610.21	-402.52	-739.85	-3.18	-17923.99	-7371.89
p3-s1	SLU-132	Max P	-18299.84	-374.38	-734.04	0.64	-14052.80	-6851.21
p3-s1	SLU-132	Min P	-24022.42	-364.35	-754.92	2.11	-6816.79	-6665.67
p3-s1	SLU-132	Max M2	-22577.62	-366.03	-751.22	6.06	-3986.48	-6696.82
p3-s1	SLU-132	Min M2	-19957.23	-368.93	-741.59	-4.52	-16958.74	-6750.46
p3-s1	SLU-132	Max M3	-21793.25	-342.49	-748.69	5.62	-9842.55	-6261.37
p3-s1	SLU-132	Min M3	-21353.52	-391.54	-747.05	-1.44	-10908.50	-7168.69
p3-s1	SLU-133	Max P	-17942.37	-360.36	753.37	-4.60	14057.82	-6629.87
p3-s1	SLU-133	Min P	-23882.94	-354.40	773.01	-6.35	7242.50	-6519.65
p3-s1	SLU-133	Max M2	-19519.65	-352.42	759.71	0.24	17070.76	-6483.00
p3-s1	SLU-133	Min M2	-22518.67	-355.18	769.45	-10.41	4037.66	-6533.97
p3-s1	SLU-133	Max M3	-21569.39	-321.06	766.61	-9.57	10374.16	-5902.87
p3-s1	SLU-133	Min M3	-21246.73	-387.15	765.15	-3.43	10561.28	-7125.49
p3-s1	SLU-134	Max P	-17936.36	-359.01	770.96	0.40	14432.47	-6604.81
p3-s1	SLU-134	Min P	-23658.93	-348.98	750.08	1.86	21668.48	-6419.27
p3-s1	SLU-134	Max M2	-22214.14	-350.66	753.78	5.82	24498.79	-6450.42
p3-s1	SLU-134	Min M2	-19593.74	-353.56	763.41	-4.77	11526.53	-6504.06
p3-s1	SLU-134	Max M3	-21429.76	-327.12	756.31	5.37	18642.72	-6014.97
p3-s1	SLU-134	Min M3	-20990.03	-376.17	757.95	-1.69	17576.77	-6922.29
p3-s1	SLU-135	Max P	-17954.09	-374.77	-751.49	-4.44	-14671.69	-6858.46
p3-s1	SLU-135	Min P	-23894.67	-368.81	-731.86	-6.20	-21487.01	-6748.24
p3-s1	SLU-135	Max M2	-19531.38	-366.83	-745.15	0.39	-11658.75	-6711.59
p3-s1	SLU-135	Min M2	-22530.40	-369.59	-735.42	-10.26	-24691.85	-6762.56
p3-s1	SLU-135	Max M3	-21581.12	-335.47	-738.25	-9.42	-18355.35	-6131.46
p3-s1	SLU-135	Min M3	-21258.45	-401.56	-739.71	-3.27	-18168.23	-7354.07
p3-s1	SLU-136	Max P	-17948.08	-373.41	-733.91	0.55	-14297.04	-6833.39

p3-s1	SLU-136	Min P	-23670.66	-363.39	-754.79	2.02	-7061.03	-6647.85
p3-s1	SLU-136	Max M2	-22225.86	-365.07	-751.08	5.97	-4230.72	-6679.01
p3-s1	SLU-136	Min M2	-19605.47	-367.97	-741.46	-4.61	-17202.98	-6732.65
p3-s1	SLU-136	Max M3	-21441.48	-341.53	-748.56	5.53	-10086.79	-6243.55
p3-s1	SLU-136	Min M3	-21001.76	-390.58	-746.92	-1.53	-11152.74	-7150.87
p3-s1	SLU-137	Max P	-18515.54	-363.97	753.09	-4.56	14273.65	-6696.57
p3-s1	SLU-137	Min P	-24456.12	-358.01	772.73	-6.31	7458.33	-6586.35
p3-s1	SLU-137	Max M2	-20092.83	-356.03	759.43	0.28	17286.60	-6549.69
p3-s1	SLU-137	Min M2	-23091.85	-358.78	769.16	-10.37	4253.49	-6600.67
p3-s1	SLU-137	Max M3	-22142.57	-324.67	766.33	-9.53	10589.99	-5969.57
p3-s1	SLU-137	Min M3	-21819.90	-390.76	764.87	-3.39	10777.12	-7192.18
p3-s1	SLU-138	Max P	-18509.53	-362.61	770.67	0.44	14648.30	-6671.50
p3-s1	SLU-138	Min P	-24232.11	-352.58	749.79	1.90	21884.32	-6485.96
p3-s1	SLU-138	Max M2	-22787.31	-354.27	753.50	5.86	24714.62	-6517.12
p3-s1	SLU-138	Min M2	-20166.92	-357.17	763.13	-4.73	11742.36	-6570.76
p3-s1	SLU-138	Max M3	-22002.93	-330.73	756.03	5.41	18858.55	-6081.66
p3-s1	SLU-138	Min M3	-21563.21	-379.77	757.67	-1.65	17792.60	-6988.98
p3-s1	SLU-139	Max P	-18527.27	-378.37	-751.77	-4.40	-14455.86	-6925.15
p3-s1	SLU-139	Min P	-24467.84	-372.42	-732.14	-6.16	-21271.18	-6814.93
p3-s1	SLU-139	Max M2	-20104.56	-370.44	-745.43	0.43	-11442.91	-6778.28
p3-s1	SLU-139	Min M2	-23103.58	-373.19	-735.70	-10.22	-24476.02	-6829.25
p3-s1	SLU-139	Max M3	-22154.29	-339.08	-738.54	-9.38	-18139.52	-6198.15
p3-s1	SLU-139	Min M3	-21831.63	-405.16	-740.00	-3.23	-17952.39	-7420.77
p3-s1	SLU-140	Max P	-18521.26	-377.02	-734.19	0.59	-14081.21	-6900.09
p3-s1	SLU-140	Min P	-24243.83	-366.99	-755.07	2.06	-6845.19	-6714.55
p3-s1	SLU-140	Max M2	-22799.04	-368.67	-751.36	6.01	-4014.89	-6745.70
p3-s1	SLU-140	Min M2	-20178.65	-371.57	-741.74	-4.57	-16987.15	-6799.34
p3-s1	SLU-140	Max M3	-22014.66	-345.14	-748.84	5.57	-9870.96	-6310.25
p3-s1	SLU-140	Min M3	-21574.93	-394.18	-747.20	-1.49	-10936.91	-7217.57
p3-s1	SLU-141	Max P	-18163.78	-363.00	753.23	-4.65	14029.41	-6678.75
p3-s1	SLU-141	Min P	-24104.35	-357.05	772.86	-6.40	7214.09	-6568.53
p3-s1	SLU-141	Max M2	-19741.07	-355.06	759.56	0.19	17042.36	-6531.88
p3-s1	SLU-141	Min M2	-22740.09	-357.82	769.30	-10.47	4009.25	-6582.85
p3-s1	SLU-141	Max M3	-21790.81	-323.71	766.46	-9.63	10345.75	-5951.75
p3-s1	SLU-141	Min M3	-21468.14	-389.79	765.00	-3.48	10532.88	-7174.37
p3-s1	SLU-142	Max P	-18157.77	-361.65	770.81	0.34	14404.06	-6653.69
p3-s1	SLU-142	Min P	-23880.34	-351.62	749.93	1.81	21640.08	-6468.15
p3-s1	SLU-142	Max M2	-22435.55	-353.30	753.63	5.76	24470.38	-6499.30
p3-s1	SLU-142	Min M2	-19815.16	-356.20	763.26	-4.82	11498.12	-6552.94
p3-s1	SLU-142	Max M3	-21651.17	-329.77	756.16	5.32	18614.31	-6063.85
p3-s1	SLU-142	Min M3	-21211.45	-378.81	757.80	-1.74	17548.36	-6971.17
p3-s1	SLU-143	Max P	-18175.51	-377.41	-751.64	-4.49	-14700.10	-6907.34
p3-s1	SLU-143	Min P	-24116.08	-371.45	-732.01	-6.25	-21515.42	-6797.12
p3-s1	SLU-143	Max M2	-19752.79	-369.47	-745.30	0.34	-11687.16	-6760.47
p3-s1	SLU-143	Min M2	-22751.82	-372.23	-735.57	-10.31	-24720.26	-6811.44
p3-s1	SLU-143	Max M3	-21802.53	-338.11	-738.40	-9.47	-18383.76	-6180.34
p3-s1	SLU-143	Min M3	-21479.87	-404.20	-739.86	-3.33	-18196.63	-7402.96
p3-s1	SLU-144	Max P	-18169.50	-376.06	-734.06	0.50	-14325.45	-6882.27
p3-s1	SLU-144	Min P	-23892.07	-366.03	-754.94	1.97	-7089.43	-6696.73
p3-s1	SLU-144	Max M2	-22447.28	-367.71	-751.23	5.92	-4259.13	-6727.89
p3-s1	SLU-144	Min M2	-19826.89	-370.61	-741.61	-4.66	-17231.39	-6781.53

p3-s1	SLU-144	Max M3	-21662.90	-344.17	-748.71	5.48	-10115.20	-6292.44
p3-s1	SLU-144	Min M3	-21223.17	-393.22	-747.07	-1.59	-11181.15	-7199.76
p3-s1	SLU-145	Max P	-13562.45	-360.98	753.40	-4.39	14310.33	-6641.29
p3-s1	SLU-145	Min P	-19503.02	-355.02	773.04	-6.15	7495.01	-6531.07
p3-s1	SLU-145	Max M2	-15139.74	-353.04	759.74	0.44	17323.27	-6494.41
p3-s1	SLU-145	Min M2	-18138.76	-355.79	769.48	-10.21	4290.17	-6545.39
p3-s1	SLU-145	Max M3	-17189.47	-321.68	766.64	-9.37	10626.66	-5914.29
p3-s1	SLU-145	Min M3	-16866.81	-387.77	765.18	-3.22	10813.79	-7136.90
p3-s1	SLU-146	Max P	-13556.44	-359.62	770.99	0.60	14684.97	-6616.22
p3-s1	SLU-146	Min P	-19279.01	-349.59	750.11	2.07	21920.99	-6430.68
p3-s1	SLU-146	Max M2	-17834.22	-351.28	753.81	6.02	24751.30	-6461.84
p3-s1	SLU-146	Min M2	-15213.83	-354.18	763.44	-4.56	11779.04	-6515.48
p3-s1	SLU-146	Max M3	-17049.84	-327.74	756.34	5.58	18895.22	-6026.38
p3-s1	SLU-146	Min M3	-16610.11	-376.78	757.98	-1.49	17829.28	-6933.70
p3-s1	SLU-147	Max P	-13574.18	-375.39	-751.46	-4.24	-14419.18	-6869.87
p3-s1	SLU-147	Min P	-19514.75	-369.43	-731.83	-5.99	-21234.50	-6759.65
p3-s1	SLU-147	Max M2	-15151.46	-367.45	-745.12	0.60	-11406.24	-6723.00
p3-s1	SLU-147	Min M2	-18150.49	-370.20	-735.39	-10.05	-24439.34	-6773.97
p3-s1	SLU-147	Max M3	-17201.20	-336.09	-738.22	-9.21	-18102.85	-6142.87
p3-s1	SLU-147	Min M3	-16878.54	-402.18	-739.68	-3.07	-17915.72	-7365.49
p3-s1	SLU-148	Max P	-13568.17	-374.03	-733.88	0.76	-14044.54	-6844.81
p3-s1	SLU-148	Min P	-19290.74	-364.00	-754.76	2.22	-6808.52	-6659.27
p3-s1	SLU-148	Max M2	-17845.95	-365.69	-751.05	6.18	-3978.21	-6690.42
p3-s1	SLU-148	Min M2	-15225.55	-368.59	-741.43	-4.41	-16950.48	-6744.06
p3-s1	SLU-148	Max M3	-17061.57	-342.15	-748.53	5.74	-9834.29	-6254.97
p3-s1	SLU-148	Min M3	-16621.84	-391.19	-746.89	-1.33	-10900.24	-7162.29
p3-s1	SLU-149	Max P	-13210.69	-360.02	753.54	-4.49	14066.09	-6623.47
p3-s1	SLU-149	Min P	-19151.26	-354.06	773.17	-6.24	7250.77	-6513.25
p3-s1	SLU-149	Max M2	-14787.97	-352.08	759.87	0.35	17079.03	-6476.60
p3-s1	SLU-149	Min M2	-17787.00	-354.83	769.61	-10.30	4045.93	-6527.57
p3-s1	SLU-149	Max M3	-16837.71	-320.72	766.77	-9.46	10382.42	-5896.47
p3-s1	SLU-149	Min M3	-16515.05	-386.81	765.31	-3.32	10569.55	-7119.09
p3-s1	SLU-150	Max P	-13204.68	-358.66	771.12	0.51	14440.73	-6598.41
p3-s1	SLU-150	Min P	-18927.25	-348.63	750.24	1.97	21676.75	-6412.87
p3-s1	SLU-150	Max M2	-17482.46	-350.32	753.94	5.93	24507.06	-6444.02
p3-s1	SLU-150	Min M2	-14862.07	-353.21	763.57	-4.65	11534.79	-6497.66
p3-s1	SLU-150	Max M3	-16698.08	-326.78	756.47	5.49	18650.98	-6008.57
p3-s1	SLU-150	Min M3	-16258.35	-375.82	758.11	-1.58	17585.03	-6915.89
p3-s1	SLU-151	Max P	-13222.42	-374.42	-751.33	-4.33	-14663.42	-6852.06
p3-s1	SLU-151	Min P	-19162.99	-368.47	-731.69	-6.08	-21478.74	-6741.84
p3-s1	SLU-151	Max M2	-14799.70	-366.48	-744.99	0.51	-11650.48	-6705.19
p3-s1	SLU-151	Min M2	-17798.72	-369.24	-735.26	-10.15	-24683.59	-6756.16
p3-s1	SLU-151	Max M3	-16849.44	-335.13	-738.09	-9.31	-18347.09	-6125.06
p3-s1	SLU-151	Min M3	-16526.78	-401.21	-739.55	-3.16	-18159.96	-7347.68
p3-s1	SLU-152	Max P	-13216.41	-373.07	-733.75	0.66	-14288.78	-6826.99
p3-s1	SLU-152	Min P	-18938.98	-363.04	-754.63	2.13	-7052.76	-6641.45
p3-s1	SLU-152	Max M2	-17494.19	-364.72	-750.92	6.08	-4222.45	-6672.61
p3-s1	SLU-152	Min M2	-14873.79	-367.62	-741.29	-4.50	-17194.72	-6726.25
p3-s1	SLU-152	Max M3	-16709.81	-341.19	-748.40	5.64	-10078.53	-6237.16
p3-s1	SLU-152	Min M3	-16270.08	-390.23	-746.75	-1.42	-11144.48	-7144.48
p3-s1	SLU-153	Max P	-13783.87	-363.62	753.26	-4.45	14281.92	-6690.17

p3-s1	SLU-153	Min P	-19724.44	-357.66	772.89	-6.20	7466.60	-6579.95
p3-s1	SLU-153	Max M2	-15361.15	-355.68	759.59	0.39	17294.86	-6543.30
p3-s1	SLU-153	Min M2	-18360.17	-358.44	769.33	-10.26	4261.76	-6594.27
p3-s1	SLU-153	Max M3	-17410.89	-324.32	766.49	-9.42	10598.26	-5963.17
p3-s1	SLU-153	Min M3	-17088.23	-390.41	765.03	-3.28	10785.39	-7185.78
p3-s1	SLU-154	Max P	-13777.86	-362.27	770.84	0.55	14656.57	-6665.10
p3-s1	SLU-154	Min P	-19500.43	-352.24	749.96	2.01	21892.59	-6479.56
p3-s1	SLU-154	Max M2	-18055.64	-353.92	753.66	5.97	24722.89	-6510.72
p3-s1	SLU-154	Min M2	-15435.24	-356.82	763.29	-4.61	11750.63	-6564.36
p3-s1	SLU-154	Max M3	-17271.26	-330.38	756.19	5.53	18866.82	-6075.26
p3-s1	SLU-154	Min M3	-16831.53	-379.43	757.83	-1.54	17800.87	-6982.58
p3-s1	SLU-155	Max P	-13795.59	-378.03	-751.61	-4.29	-14447.59	-6918.75
p3-s1	SLU-155	Min P	-19736.17	-372.07	-731.98	-6.04	-21262.91	-6808.53
p3-s1	SLU-155	Max M2	-15372.88	-370.09	-745.27	0.55	-11434.65	-6771.88
p3-s1	SLU-155	Min M2	-18371.90	-372.84	-735.54	-10.11	-24467.75	-6822.85
p3-s1	SLU-155	Max M3	-17422.62	-338.73	-738.37	-9.27	-18131.25	-6191.75
p3-s1	SLU-155	Min M3	-17099.95	-404.82	-739.83	-3.12	-17944.13	-7414.37
p3-s1	SLU-156	Max P	-13789.58	-376.67	-734.03	0.70	-14072.94	-6893.69
p3-s1	SLU-156	Min P	-19512.16	-366.64	-754.91	2.17	-6836.93	-6708.15
p3-s1	SLU-156	Max M2	-18067.36	-368.33	-751.20	6.12	-4006.62	-6739.31
p3-s1	SLU-156	Min M2	-15446.97	-371.23	-741.58	-4.46	-16978.88	-6792.94
p3-s1	SLU-156	Max M3	-17282.98	-344.79	-748.68	5.68	-9862.69	-6303.85
p3-s1	SLU-156	Min M3	-16843.26	-393.84	-747.04	-1.38	-10928.64	-7211.17
p3-s1	SLU-157	Max P	-13432.10	-362.66	753.39	-4.54	14037.68	-6672.35
p3-s1	SLU-157	Min P	-19372.68	-356.70	773.02	-6.29	7222.36	-6562.13
p3-s1	SLU-157	Max M2	-15009.39	-354.72	759.72	0.30	17050.62	-6525.48
p3-s1	SLU-157	Min M2	-18008.41	-357.47	769.46	-10.35	4017.52	-6576.45
p3-s1	SLU-157	Max M3	-17059.13	-323.36	766.62	-9.51	10354.02	-5945.35
p3-s1	SLU-157	Min M3	-16736.46	-389.45	765.16	-3.37	10541.14	-7167.97
p3-s1	SLU-158	Max P	-13426.10	-361.30	770.97	0.45	14412.33	-6647.29
p3-s1	SLU-158	Min P	-19148.67	-351.27	750.09	1.92	21648.34	-6461.75
p3-s1	SLU-158	Max M2	-17703.88	-352.96	753.79	5.88	24478.65	-6492.90
p3-s1	SLU-158	Min M2	-15083.48	-355.86	763.42	-4.71	11506.39	-6546.54
p3-s1	SLU-158	Max M3	-16919.50	-329.42	756.32	5.43	18622.58	-6057.45
p3-s1	SLU-158	Min M3	-16479.77	-378.46	757.96	-1.63	17556.63	-6964.77
p3-s1	SLU-159	Max P	-13443.83	-377.07	-751.48	-4.38	-14691.83	-6900.94
p3-s1	SLU-159	Min P	-19384.41	-371.11	-731.84	-6.14	-21507.15	-6790.72
p3-s1	SLU-159	Max M2	-15021.12	-369.13	-745.14	0.45	-11678.89	-6754.07
p3-s1	SLU-159	Min M2	-18020.14	-371.88	-735.41	-10.20	-24711.99	-6805.04
p3-s1	SLU-159	Max M3	-17070.86	-337.77	-738.24	-9.36	-18375.49	-6173.94
p3-s1	SLU-159	Min M3	-16748.19	-403.86	-739.70	-3.21	-18188.37	-7396.56
p3-s1	SLU-160	Max P	-13437.82	-375.71	-733.90	0.61	-14317.18	-6875.87
p3-s1	SLU-160	Min P	-19160.40	-365.68	-754.78	2.08	-7081.17	-6690.33
p3-s1	SLU-160	Max M2	-17715.60	-367.37	-751.07	6.03	-4250.86	-6721.49
p3-s1	SLU-160	Min M2	-15095.21	-370.27	-741.44	-4.55	-17223.12	-6775.13
p3-s1	SLU-160	Max M3	-16931.22	-343.83	-748.55	5.59	-10106.93	-6286.04
p3-s1	SLU-160	Min M3	-16491.50	-392.87	-746.90	-1.48	-11172.88	-7193.36
p3-s1	SLU-161	Max P	-18497.68	-45.27	774.59	7.23	14790.51	-800.77
p3-s1	SLU-161	Min P	-21520.26	-42.85	785.17	6.92	11255.14	-755.94
p3-s1	SLU-161	Max M2	-19302.22	-40.85	777.96	9.55	16235.88	-718.88
p3-s1	SLU-161	Min M2	-20875.53	-41.90	783.88	5.17	9665.83	-738.38

p3-s1	SLU-161	Max M3	-20434.93	-23.57	781.95	4.49	12836.69	-399.32
p3-s1	SLU-161	Min M3	-20326.11	-59.64	781.83	8.12	12935.29	-1066.52
p3-s1	SLU-162	Max P	-18494.31	-44.54	784.10	10.01	14993.13	-787.18
p3-s1	SLU-162	Min P	-21424.20	-39.50	773.05	10.30	18831.02	-693.87
p3-s1	SLU-162	Max M2	-20751.08	-39.96	774.21	11.88	20156.45	-702.51
p3-s1	SLU-162	Min M2	-19326.88	-41.25	780.06	7.52	13610.97	-726.35
p3-s1	SLU-162	Max M3	-20354.63	-27.01	775.81	12.71	17217.81	-462.96
p3-s1	SLU-162	Min M3	-20182.26	-53.50	776.26	8.67	16695.24	-952.98
p3-s1	SLU-163	Max P	-18509.40	-59.68	-730.28	7.38	-13939.01	-1029.36
p3-s1	SLU-163	Min P	-21531.99	-57.26	-719.70	7.07	-17474.37	-984.53
p3-s1	SLU-163	Max M2	-19313.94	-55.26	-726.91	9.70	-12493.63	-947.47
p3-s1	SLU-163	Min M2	-20887.26	-56.31	-720.99	5.33	-19063.68	-966.97
p3-s1	SLU-163	Max M3	-20446.66	-37.98	-722.91	4.64	-15892.82	-627.91
p3-s1	SLU-163	Min M3	-20337.84	-74.05	-723.03	8.27	-15794.22	-1295.11
p3-s1	SLU-164	Max P	-18506.04	-58.95	-720.77	10.16	-13736.38	-1015.77
p3-s1	SLU-164	Min P	-21435.93	-53.90	-731.82	10.45	-9898.49	-922.45
p3-s1	SLU-164	Max M2	-20762.81	-54.37	-730.66	12.04	-8573.06	-931.09
p3-s1	SLU-164	Min M2	-19338.61	-55.66	-724.81	7.67	-15118.54	-954.94
p3-s1	SLU-164	Max M3	-20366.36	-41.42	-729.06	12.87	-11511.70	-691.55
p3-s1	SLU-164	Min M3	-20193.99	-67.91	-728.60	8.82	-12034.27	-1181.57
p3-s1	SLU-165	Max P	-18145.92	-44.31	774.72	7.13	14546.26	-782.96
p3-s1	SLU-165	Min P	-21168.50	-41.89	785.30	6.82	11010.90	-738.13
p3-s1	SLU-165	Max M2	-18950.46	-39.89	778.09	9.46	15991.64	-701.07
p3-s1	SLU-165	Min M2	-20523.77	-40.94	784.01	5.08	9421.59	-720.57
p3-s1	SLU-165	Max M3	-20083.17	-22.61	782.08	4.39	12592.45	-381.50
p3-s1	SLU-165	Min M3	-19974.35	-58.68	781.96	8.02	12691.05	-1048.71
p3-s1	SLU-166	Max P	-18142.55	-43.58	784.23	9.92	14748.89	-769.37
p3-s1	SLU-166	Min P	-21072.44	-38.53	773.18	10.21	18586.78	-676.05
p3-s1	SLU-166	Max M2	-20399.32	-39.00	774.34	11.79	19912.21	-684.69
p3-s1	SLU-166	Min M2	-18975.12	-40.29	780.19	7.43	13366.73	-708.54
p3-s1	SLU-166	Max M3	-20002.87	-26.05	775.94	12.62	16973.57	-445.14
p3-s1	SLU-166	Min M3	-19830.50	-52.54	776.39	8.57	16451.00	-935.17
p3-s1	SLU-167	Max P	-18157.64	-58.72	-730.15	7.29	-14183.25	-1011.54
p3-s1	SLU-167	Min P	-21180.23	-56.30	-719.57	6.98	-17718.61	-966.72
p3-s1	SLU-167	Max M2	-18962.18	-54.29	-726.78	9.61	-12737.87	-929.66
p3-s1	SLU-167	Min M2	-20535.50	-55.35	-720.86	5.24	-19307.92	-949.16
p3-s1	SLU-167	Max M3	-20094.90	-37.02	-722.78	4.55	-16137.07	-610.09
p3-s1	SLU-167	Min M3	-19986.08	-73.09	-722.90	8.18	-16038.46	-1277.30
p3-s1	SLU-168	Max P	-18154.28	-57.99	-720.64	10.07	-13980.63	-997.96
p3-s1	SLU-168	Min P	-21084.17	-52.94	-731.69	10.36	-10142.73	-904.64
p3-s1	SLU-168	Max M2	-20411.04	-53.41	-730.53	11.95	-8817.30	-913.28
p3-s1	SLU-168	Min M2	-18986.85	-54.70	-724.67	7.58	-15362.78	-937.13
p3-s1	SLU-168	Max M3	-20014.59	-40.46	-728.93	12.77	-11755.94	-673.73
p3-s1	SLU-168	Min M3	-19842.23	-66.95	-728.47	8.73	-12278.51	-1163.75
p3-s1	SLU-169	Max P	-18719.09	-47.92	774.44	7.17	14762.10	-849.65
p3-s1	SLU-169	Min P	-21741.68	-45.49	785.02	6.86	11226.73	-804.83
p3-s1	SLU-169	Max M2	-19523.63	-43.49	777.81	9.50	16207.48	-767.76
p3-s1	SLU-169	Min M2	-21096.95	-44.54	783.73	5.12	9637.43	-787.26
p3-s1	SLU-169	Max M3	-20656.35	-26.22	781.80	4.43	12808.28	-448.20
p3-s1	SLU-169	Min M3	-20547.53	-62.28	781.68	8.06	12906.88	-1115.40
p3-s1	SLU-170	Max P	-18715.73	-47.18	783.95	9.96	14964.72	-836.07

p3-s1	SLU-170	Min P	-21645.62	-42.14	772.90	10.25	18802.61	-742.75
p3-s1	SLU-170	Max M2	-20972.49	-42.61	774.06	11.83	20128.05	-751.39
p3-s1	SLU-170	Min M2	-19548.30	-43.89	779.91	7.46	13582.56	-775.24
p3-s1	SLU-170	Max M3	-20576.04	-29.66	775.66	12.66	17189.40	-511.84
p3-s1	SLU-170	Min M3	-20403.68	-56.14	776.11	8.61	16666.83	-1001.86
p3-s1	SLU-171	Max P	-18730.82	-62.33	-730.43	7.33	-13967.41	-1078.24
p3-s1	SLU-171	Min P	-21753.41	-59.90	-719.85	7.02	-17502.78	-1033.41
p3-s1	SLU-171	Max M2	-19535.36	-57.90	-727.06	9.65	-12522.03	-996.35
p3-s1	SLU-171	Min M2	-21108.68	-58.95	-721.14	5.28	-19092.08	-1015.85
p3-s1	SLU-171	Max M3	-20668.08	-40.63	-723.06	4.59	-15921.23	-676.79
p3-s1	SLU-171	Min M3	-20559.26	-76.69	-723.18	8.22	-15822.63	-1343.99
p3-s1	SLU-172	Max P	-18727.46	-61.59	-720.92	10.11	-13764.79	-1064.65
p3-s1	SLU-172	Min P	-21657.35	-56.55	-731.97	10.40	-9926.90	-971.33
p3-s1	SLU-172	Max M2	-20984.22	-57.01	-730.81	11.99	-8601.46	-979.97
p3-s1	SLU-172	Min M2	-19560.03	-58.30	-724.95	7.62	-15146.95	-1003.82
p3-s1	SLU-172	Max M3	-20587.77	-44.07	-729.21	12.81	-11540.11	-740.43
p3-s1	SLU-172	Min M3	-20415.41	-70.55	-728.75	8.77	-12062.68	-1230.45
p3-s1	SLU-173	Max P	-18367.33	-46.95	774.57	7.08	14517.86	-831.84
p3-s1	SLU-173	Min P	-21389.92	-44.53	785.15	6.77	10982.49	-787.01
p3-s1	SLU-173	Max M2	-19171.87	-42.53	777.94	9.40	15963.24	-749.95
p3-s1	SLU-173	Min M2	-20745.19	-43.58	783.86	5.03	9393.19	-769.45
p3-s1	SLU-173	Max M3	-20304.59	-25.25	781.93	4.34	12564.04	-430.39
p3-s1	SLU-173	Min M3	-20195.77	-61.32	781.81	7.97	12662.64	-1097.59
p3-s1	SLU-174	Max P	-18363.97	-46.22	784.08	9.86	14720.48	-818.25
p3-s1	SLU-174	Min P	-21293.86	-41.18	773.03	10.15	18558.37	-724.93
p3-s1	SLU-174	Max M2	-20620.73	-41.64	774.19	11.74	19883.81	-733.57
p3-s1	SLU-174	Min M2	-19196.54	-42.93	780.04	7.37	13338.32	-757.42
p3-s1	SLU-174	Max M3	-20224.28	-28.69	775.79	12.57	16945.16	-494.03
p3-s1	SLU-174	Min M3	-20051.92	-55.18	776.24	8.52	16422.59	-984.05
p3-s1	SLU-175	Max P	-18379.06	-61.36	-730.30	7.24	-14211.65	-1060.42
p3-s1	SLU-175	Min P	-21401.65	-58.94	-719.72	6.93	-17747.02	-1015.60
p3-s1	SLU-175	Max M2	-19183.60	-56.94	-726.93	9.56	-12766.27	-978.54
p3-s1	SLU-175	Min M2	-20756.92	-57.99	-721.01	5.18	-19336.32	-998.04
p3-s1	SLU-175	Max M3	-20316.32	-39.66	-722.93	4.50	-16165.47	-658.97
p3-s1	SLU-175	Min M3	-20207.50	-75.73	-723.05	8.13	-16066.87	-1326.18
p3-s1	SLU-176	Max P	-18375.69	-60.63	-720.78	10.02	-14009.03	-1046.84
p3-s1	SLU-176	Min P	-21305.59	-55.58	-731.83	10.31	-10171.14	-953.52
p3-s1	SLU-176	Max M2	-20632.46	-56.05	-730.68	11.89	-8845.71	-962.16
p3-s1	SLU-176	Min M2	-19208.27	-57.34	-724.82	7.53	-15391.19	-986.01
p3-s1	SLU-176	Max M3	-20236.01	-43.10	-729.08	12.72	-11784.35	-722.61
p3-s1	SLU-176	Min M3	-20063.65	-69.59	-728.62	8.68	-12306.92	-1212.63
p3-s1	SLU-177	Max P	-18527.63	-670.96	739.50	-14.13	14044.44	-12375.94
p3-s1	SLU-177	Min P	-21550.22	-668.54	750.08	-14.44	10509.07	-12331.11
p3-s1	SLU-177	Max M2	-19332.17	-666.53	742.87	-11.81	15489.82	-12294.05
p3-s1	SLU-177	Min M2	-20905.49	-667.59	748.79	-16.18	8919.77	-12313.55
p3-s1	SLU-177	Max M3	-20464.89	-649.26	746.86	-16.87	12090.62	-11974.49
p3-s1	SLU-177	Min M3	-20356.07	-685.32	746.75	-13.24	12189.22	-12641.69
p3-s1	SLU-178	Max P	-18524.27	-670.23	749.01	-11.35	14247.06	-12362.35
p3-s1	SLU-178	Min P	-21454.16	-665.18	737.96	-11.06	18084.95	-12269.04
p3-s1	SLU-178	Max M2	-20781.03	-665.65	739.12	-9.47	19410.38	-12277.68
p3-s1	SLU-178	Min M2	-19356.84	-666.94	744.97	-13.84	12864.90	-12301.52

p3-s1	SLU-178	Max M3	-20384.59	-652.70	740.72	-8.64	16471.74	-12038.13
p3-s1	SLU-178	Min M3	-20212.22	-679.19	741.17	-12.69	15949.17	-12528.15
p3-s1	SLU-179	Max P	-18539.36	-685.37	-765.37	-13.97	-14685.07	-12604.53
p3-s1	SLU-179	Min P	-21561.95	-682.94	-754.79	-14.28	-18220.44	-12559.70
p3-s1	SLU-179	Max M2	-19343.90	-680.94	-762.00	-11.65	-13239.69	-12522.64
p3-s1	SLU-179	Min M2	-20917.22	-682.00	-756.08	-16.03	-19809.75	-12542.14
p3-s1	SLU-179	Max M3	-20476.62	-663.67	-758.00	-16.71	-16638.89	-12203.08
p3-s1	SLU-179	Min M3	-20367.80	-699.73	-758.12	-13.08	-16540.29	-12870.28
p3-s1	SLU-180	Max P	-18536.00	-684.63	-755.85	-11.19	-14482.45	-12590.94
p3-s1	SLU-180	Min P	-21465.89	-679.59	-766.90	-10.90	-10644.56	-12497.62
p3-s1	SLU-180	Max M2	-20792.76	-680.06	-765.75	-9.31	-9319.13	-12506.26
p3-s1	SLU-180	Min M2	-19368.57	-681.35	-759.89	-13.68	-15864.61	-12530.11
p3-s1	SLU-180	Max M3	-20396.31	-667.11	-764.15	-8.49	-12257.77	-12266.72
p3-s1	SLU-180	Min M3	-20223.95	-693.60	-763.69	-12.53	-12780.34	-12756.74
p3-s1	SLU-181	Max P	-18175.87	-670.00	739.63	-14.22	13800.20	-12358.13
p3-s1	SLU-181	Min P	-21198.46	-667.57	750.21	-14.53	10264.83	-12313.30
p3-s1	SLU-181	Max M2	-18980.41	-665.57	743.00	-11.90	15245.58	-12276.24
p3-s1	SLU-181	Min M2	-20553.73	-666.62	748.92	-16.27	8675.52	-12295.74
p3-s1	SLU-181	Max M3	-20113.13	-648.30	746.99	-16.96	11846.38	-11956.67
p3-s1	SLU-181	Min M3	-20004.31	-684.36	746.88	-13.33	11944.98	-12623.88
p3-s1	SLU-182	Max P	-18172.51	-669.26	749.14	-11.44	14002.82	-12344.54
p3-s1	SLU-182	Min P	-21102.40	-664.22	738.09	-11.15	17840.71	-12251.22
p3-s1	SLU-182	Max M2	-20429.27	-664.68	739.25	-9.56	19166.14	-12259.86
p3-s1	SLU-182	Min M2	-19005.08	-665.97	745.10	-13.93	12620.66	-12283.71
p3-s1	SLU-182	Max M3	-20032.82	-651.74	740.85	-8.74	16227.50	-12020.31
p3-s1	SLU-182	Min M3	-19860.46	-678.22	741.31	-12.78	15704.93	-12510.34
p3-s1	SLU-183	Max P	-18187.60	-684.40	-765.24	-14.07	-14929.31	-12586.71
p3-s1	SLU-183	Min P	-21210.19	-681.98	-754.66	-14.38	-18464.68	-12541.89
p3-s1	SLU-183	Max M2	-18992.14	-679.98	-761.87	-11.74	-13483.93	-12504.83
p3-s1	SLU-183	Min M2	-20565.46	-681.03	-755.95	-16.12	-20053.99	-12524.33
p3-s1	SLU-183	Max M3	-20124.86	-662.70	-757.87	-16.81	-16883.13	-12185.26
p3-s1	SLU-183	Min M3	-20016.04	-698.77	-757.99	-13.17	-16784.53	-12852.47
p3-s1	SLU-184	Max P	-18184.24	-683.67	-755.72	-11.28	-14726.69	-12573.13
p3-s1	SLU-184	Min P	-21114.13	-678.63	-766.77	-10.99	-10888.80	-12479.81
p3-s1	SLU-184	Max M2	-20441.00	-679.09	-765.61	-9.41	-9563.37	-12488.45
p3-s1	SLU-184	Min M2	-19016.81	-680.38	-759.76	-13.77	-16108.85	-12512.30
p3-s1	SLU-184	Max M3	-20044.55	-666.14	-764.02	-8.58	-12502.01	-12248.90
p3-s1	SLU-184	Min M3	-19872.19	-692.63	-763.56	-12.62	-13024.58	-12738.92
p3-s1	SLU-185	Max P	-18749.05	-673.60	739.35	-14.18	14016.03	-12424.82
p3-s1	SLU-185	Min P	-21771.64	-671.18	749.93	-14.49	10480.66	-12380.00
p3-s1	SLU-185	Max M2	-19553.59	-669.18	742.72	-11.86	15461.41	-12342.93
p3-s1	SLU-185	Min M2	-21126.91	-670.23	748.64	-16.23	8891.36	-12362.43
p3-s1	SLU-185	Max M3	-20686.31	-651.90	746.71	-16.92	12062.21	-12023.37
p3-s1	SLU-185	Min M3	-20577.49	-687.97	746.60	-13.29	12160.82	-12690.57
p3-s1	SLU-186	Max P	-18745.68	-672.87	748.86	-11.40	14218.65	-12411.24
p3-s1	SLU-186	Min P	-21675.58	-667.82	737.81	-11.11	18056.55	-12317.92
p3-s1	SLU-186	Max M2	-21002.45	-668.29	738.97	-9.52	19381.98	-12326.56
p3-s1	SLU-186	Min M2	-19578.26	-669.58	744.82	-13.89	12836.49	-12350.41
p3-s1	SLU-186	Max M3	-20606.00	-655.34	740.57	-8.70	16443.33	-12087.01
p3-s1	SLU-186	Min M3	-20433.64	-681.83	741.02	-12.74	15920.76	-12577.03
p3-s1	SLU-187	Max P	-18760.78	-688.01	-765.52	-14.03	-14713.48	-12653.41

p3-s1	SLU-187	Min P	-21783.36	-685.59	-754.94	-14.34	-18248.85	-12608.58
p3-s1	SLU-187	Max M2	-19565.32	-683.58	-762.15	-11.70	-13268.10	-12571.52
p3-s1	SLU-187	Min M2	-21138.63	-684.64	-756.23	-16.08	-19838.15	-12591.02
p3-s1	SLU-187	Max M3	-20698.03	-666.31	-758.15	-16.77	-16667.30	-12251.96
p3-s1	SLU-187	Min M3	-20589.21	-702.38	-758.27	-13.13	-16568.69	-12919.16
p3-s1	SLU-188	Max P	-18757.41	-687.28	-756.00	-11.24	-14510.86	-12639.82
p3-s1	SLU-188	Min P	-21687.30	-682.23	-767.05	-10.95	-10672.96	-12546.50
p3-s1	SLU-188	Max M2	-21014.18	-682.70	-765.89	-9.37	-9347.53	-12555.14
p3-s1	SLU-188	Min M2	-19589.98	-683.99	-760.04	-13.73	-15893.02	-12578.99
p3-s1	SLU-188	Max M3	-20617.73	-669.75	-764.30	-8.54	-12286.18	-12315.60
p3-s1	SLU-188	Min M3	-20445.36	-696.24	-763.84	-12.58	-12808.75	-12805.62
p3-s1	SLU-189	Max P	-18397.29	-672.64	739.48	-14.27	13771.79	-12407.01
p3-s1	SLU-189	Min P	-21419.88	-670.22	750.06	-14.58	10236.42	-12362.18
p3-s1	SLU-189	Max M2	-19201.83	-668.21	742.85	-11.95	15217.17	-12325.12
p3-s1	SLU-189	Min M2	-20775.15	-669.27	748.77	-16.33	8647.12	-12344.62
p3-s1	SLU-189	Max M3	-20334.55	-650.94	746.84	-17.01	11817.97	-12005.56
p3-s1	SLU-189	Min M3	-20225.73	-687.00	746.73	-13.38	11916.58	-12672.76
p3-s1	SLU-190	Max P	-18393.92	-671.90	748.99	-11.49	13974.41	-12393.42
p3-s1	SLU-190	Min P	-21323.82	-666.86	737.94	-11.20	17812.31	-12300.10
p3-s1	SLU-190	Max M2	-20650.69	-667.33	739.10	-9.62	19137.74	-12308.74
p3-s1	SLU-190	Min M2	-19226.50	-668.62	744.95	-13.98	12592.25	-12332.59
p3-s1	SLU-190	Max M3	-20254.24	-654.38	740.70	-8.79	16199.09	-12069.20
p3-s1	SLU-190	Min M3	-20081.88	-680.87	741.16	-12.83	15676.52	-12559.22
p3-s1	SLU-191	Max P	-18409.02	-687.05	-765.39	-14.12	-14957.72	-12635.59
p3-s1	SLU-191	Min P	-21431.60	-684.62	-754.81	-14.43	-18493.09	-12590.77
p3-s1	SLU-191	Max M2	-19213.56	-682.62	-762.02	-11.79	-13512.34	-12553.71
p3-s1	SLU-191	Min M2	-20786.87	-683.67	-756.10	-16.17	-20082.39	-12573.21
p3-s1	SLU-191	Max M3	-20346.27	-665.35	-758.02	-16.86	-16911.54	-12234.14
p3-s1	SLU-191	Min M3	-20237.45	-701.41	-758.14	-13.23	-16812.94	-12901.35
p3-s1	SLU-192	Max P	-18405.65	-686.31	-755.87	-11.33	-14755.10	-12622.01
p3-s1	SLU-192	Min P	-21335.54	-681.27	-766.92	-11.05	-10917.21	-12528.69
p3-s1	SLU-192	Max M2	-20662.42	-681.74	-765.76	-9.46	-9591.77	-12537.33
p3-s1	SLU-192	Min M2	-19238.22	-683.02	-759.91	-13.83	-16137.26	-12561.18
p3-s1	SLU-192	Max M3	-20265.97	-668.79	-764.17	-8.63	-12530.42	-12297.78
p3-s1	SLU-192	Min M3	-20093.60	-695.27	-763.71	-12.68	-13052.99	-12787.80
p3-s1	SLU-193	Max P	-18512.76	-361.95	738.62	-13.06	14041.55	-6659.26
p3-s1	SLU-193	Min P	-21535.35	-359.53	749.20	-13.37	10506.18	-6614.43
p3-s1	SLU-193	Max M2	-19317.30	-357.52	741.99	-10.74	15486.93	-6577.37
p3-s1	SLU-193	Min M2	-20890.62	-358.58	747.91	-15.12	8916.87	-6596.87
p3-s1	SLU-193	Max M3	-20450.02	-340.25	745.99	-15.80	12087.73	-6257.81
p3-s1	SLU-193	Min M3	-20341.20	-376.31	745.87	-12.17	12186.33	-6925.01
p3-s1	SLU-194	Max P	-18509.40	-361.22	748.14	-10.28	14244.17	-6645.67
p3-s1	SLU-194	Min P	-21439.29	-356.17	737.09	-9.99	18082.06	-6552.35
p3-s1	SLU-194	Max M2	-20766.16	-356.64	738.25	-8.41	19407.49	-6560.99
p3-s1	SLU-194	Min M2	-19341.97	-357.93	744.10	-12.77	12862.01	-6584.84
p3-s1	SLU-194	Max M3	-20369.71	-343.69	739.85	-7.58	16468.85	-6321.45
p3-s1	SLU-194	Min M3	-20197.35	-370.18	740.30	-11.62	15946.28	-6811.47
p3-s1	SLU-195	Max P	-18524.49	-376.36	-766.24	-12.91	-14687.96	-6887.84
p3-s1	SLU-195	Min P	-21547.08	-373.93	-755.66	-13.22	-18223.33	-6843.02
p3-s1	SLU-195	Max M2	-19329.03	-371.93	-762.87	-10.59	-13242.59	-6805.96
p3-s1	SLU-195	Min M2	-20902.35	-372.99	-756.95	-14.96	-19812.64	-6825.46

p3-s1	SLU-195	Max M3	-20461.75	-354.66	-758.88	-15.65	-16641.78	-6486.39
p3-s1	SLU-195	Min M3	-20352.93	-390.72	-758.99	-12.02	-16543.18	-7153.60
p3-s1	SLU-196	Max P	-18521.13	-375.62	-756.73	-10.13	-14485.34	-6874.26
p3-s1	SLU-196	Min P	-21451.02	-370.58	-767.78	-9.84	-10647.45	-6780.94
p3-s1	SLU-196	Max M2	-20777.89	-371.05	-766.62	-8.25	-9322.02	-6789.58
p3-s1	SLU-196	Min M2	-19353.70	-372.34	-760.77	-12.62	-15867.50	-6813.43
p3-s1	SLU-196	Max M3	-20381.44	-358.10	-765.02	-7.42	-12260.66	-6550.03
p3-s1	SLU-196	Min M3	-20209.08	-384.59	-764.57	-11.47	-12783.23	-7040.06
p3-s1	SLU-197	Max P	-18161.00	-360.99	738.75	-13.16	13797.31	-6641.44
p3-s1	SLU-197	Min P	-21183.59	-358.56	749.33	-13.47	10261.94	-6596.62
p3-s1	SLU-197	Max M2	-18965.54	-356.56	742.13	-10.83	15242.68	-6559.56
p3-s1	SLU-197	Min M2	-20538.86	-357.61	748.04	-15.21	8672.63	-6579.06
p3-s1	SLU-197	Max M3	-20098.26	-339.29	746.12	-15.90	11843.49	-6239.99
p3-s1	SLU-197	Min M3	-19989.44	-375.35	746.00	-12.27	11942.09	-6907.20
p3-s1	SLU-198	Max P	-18157.64	-360.25	748.27	-10.37	13999.93	-6627.86
p3-s1	SLU-198	Min P	-21087.53	-355.21	737.22	-10.08	17837.82	-6534.54
p3-s1	SLU-198	Max M2	-20414.40	-355.68	738.38	-8.50	19163.25	-6543.18
p3-s1	SLU-198	Min M2	-18990.21	-356.96	744.23	-12.87	12617.77	-6567.03
p3-s1	SLU-198	Max M3	-20017.95	-342.73	739.98	-7.67	16224.61	-6303.63
p3-s1	SLU-198	Min M3	-19845.59	-369.21	740.43	-11.72	15702.04	-6793.65
p3-s1	SLU-199	Max P	-18172.73	-375.40	-766.11	-13.00	-14932.21	-6870.03
p3-s1	SLU-199	Min P	-21195.32	-372.97	-755.53	-13.31	-18467.57	-6825.21
p3-s1	SLU-199	Max M2	-18977.27	-370.97	-762.74	-10.68	-13486.83	-6788.14
p3-s1	SLU-199	Min M2	-20550.59	-372.02	-756.82	-15.06	-20056.88	-6807.64
p3-s1	SLU-199	Max M3	-20109.99	-353.70	-758.75	-15.74	-16886.02	-6468.58
p3-s1	SLU-199	Min M3	-20001.17	-389.76	-758.86	-12.11	-16787.42	-7135.78
p3-s1	SLU-200	Max P	-18169.36	-374.66	-756.60	-10.22	-14729.58	-6856.45
p3-s1	SLU-200	Min P	-21099.26	-369.62	-767.65	-9.93	-10891.69	-6763.13
p3-s1	SLU-200	Max M2	-20426.13	-370.08	-766.49	-8.34	-9566.26	-6771.77
p3-s1	SLU-200	Min M2	-19001.94	-371.37	-760.64	-12.71	-16111.74	-6795.62
p3-s1	SLU-200	Max M3	-20029.68	-357.14	-764.89	-7.52	-12504.90	-6532.22
p3-s1	SLU-200	Min M3	-19857.32	-383.62	-764.43	-11.56	-13027.47	-7022.24
p3-s1	SLU-201	Max P	-18734.18	-364.59	738.47	-13.12	14013.14	-6708.14
p3-s1	SLU-201	Min P	-21756.77	-362.17	749.05	-13.43	10477.77	-6663.31
p3-s1	SLU-201	Max M2	-19538.72	-360.17	741.84	-10.79	15458.52	-6626.25
p3-s1	SLU-201	Min M2	-21112.04	-361.22	747.76	-15.17	8888.47	-6645.75
p3-s1	SLU-201	Max M3	-20671.44	-342.89	745.84	-15.86	12059.32	-6306.69
p3-s1	SLU-201	Min M3	-20562.62	-378.96	745.72	-12.23	12157.92	-6973.89
p3-s1	SLU-202	Max P	-18730.81	-363.86	747.99	-10.33	14215.76	-6694.55
p3-s1	SLU-202	Min P	-21660.71	-358.81	736.94	-10.05	18053.65	-6601.24
p3-s1	SLU-202	Max M2	-20987.58	-359.28	738.10	-8.46	19379.09	-6609.88
p3-s1	SLU-202	Min M2	-19563.39	-360.57	743.95	-12.83	12833.60	-6633.72
p3-s1	SLU-202	Max M3	-20591.13	-346.33	739.70	-7.63	16440.44	-6370.33
p3-s1	SLU-202	Min M3	-20418.77	-372.82	740.15	-11.68	15917.87	-6860.35
p3-s1	SLU-203	Max P	-18745.91	-379.00	-766.39	-12.96	-14716.37	-6936.73
p3-s1	SLU-203	Min P	-21768.49	-376.58	-755.81	-13.27	-18251.74	-6891.90
p3-s1	SLU-203	Max M2	-19550.45	-374.57	-763.02	-10.64	-13270.99	-6854.84
p3-s1	SLU-203	Min M2	-21123.76	-375.63	-757.10	-15.02	-19841.04	-6874.34
p3-s1	SLU-203	Max M3	-20683.16	-357.30	-759.03	-15.70	-16670.19	-6535.28
p3-s1	SLU-203	Min M3	-20574.34	-393.37	-759.14	-12.07	-16571.59	-7202.48
p3-s1	SLU-204	Max P	-18742.54	-378.27	-756.88	-10.18	-14513.75	-6923.14

p3-s1	SLU-204	Min P	-21672.43	-373.22	-767.93	-9.89	-10675.86	-6829.82
p3-s1	SLU-204	Max M2	-20999.31	-373.69	-766.77	-8.30	-9350.42	-6838.46
p3-s1	SLU-204	Min M2	-19575.11	-374.98	-760.92	-12.67	-15895.91	-6862.31
p3-s1	SLU-204	Max M3	-20602.86	-360.74	-765.17	-7.48	-12289.07	-6598.92
p3-s1	SLU-204	Min M3	-20430.49	-387.23	-764.72	-11.52	-12811.64	-7088.94
p3-s1	SLU-205	Max P	-18382.42	-363.63	738.61	-13.21	13768.90	-6690.33
p3-s1	SLU-205	Min P	-21405.00	-361.21	749.19	-13.52	10233.53	-6645.50
p3-s1	SLU-205	Max M2	-19186.96	-359.20	741.98	-10.89	15214.28	-6608.44
p3-s1	SLU-205	Min M2	-20760.28	-360.26	747.90	-15.26	8644.23	-6627.94
p3-s1	SLU-205	Max M3	-20319.67	-341.93	745.97	-15.95	11815.08	-6288.87
p3-s1	SLU-205	Min M3	-20210.86	-377.99	745.85	-12.32	11913.68	-6956.08
p3-s1	SLU-206	Max P	-18379.05	-362.89	748.12	-10.43	13971.52	-6676.74
p3-s1	SLU-206	Min P	-21308.94	-357.85	737.07	-10.14	17809.41	-6583.42
p3-s1	SLU-206	Max M2	-20635.82	-358.32	738.23	-8.55	19134.85	-6592.06
p3-s1	SLU-206	Min M2	-19211.62	-359.61	744.08	-12.92	12589.36	-6615.91
p3-s1	SLU-206	Max M3	-20239.37	-345.37	739.83	-7.73	16196.20	-6352.51
p3-s1	SLU-206	Min M3	-20067.01	-371.86	740.28	-11.77	15673.63	-6842.54
p3-s1	SLU-207	Max P	-18394.14	-378.04	-766.26	-13.05	-14960.61	-6918.91
p3-s1	SLU-207	Min P	-21416.73	-375.61	-755.68	-13.36	-18495.98	-6874.09
p3-s1	SLU-207	Max M2	-19198.69	-373.61	-762.89	-10.73	-13515.23	-6837.03
p3-s1	SLU-207	Min M2	-20772.00	-374.66	-756.97	-15.11	-20085.28	-6856.52
p3-s1	SLU-207	Max M3	-20331.40	-356.34	-758.89	-15.79	-16914.43	-6517.46
p3-s1	SLU-207	Min M3	-20222.58	-392.40	-759.01	-12.16	-16815.83	-7184.66
p3-s1	SLU-208	Max P	-18390.78	-377.30	-756.75	-10.27	-14757.99	-6905.33
p3-s1	SLU-208	Min P	-21320.67	-372.26	-767.80	-9.98	-10920.10	-6812.01
p3-s1	SLU-208	Max M2	-20647.55	-372.73	-766.64	-8.40	-9594.66	-6820.65
p3-s1	SLU-208	Min M2	-19223.35	-374.01	-760.79	-12.76	-16140.15	-6844.50
p3-s1	SLU-208	Max M3	-20251.10	-359.78	-765.04	-7.57	-12533.31	-6581.10
p3-s1	SLU-208	Min M3	-20078.73	-386.26	-764.58	-11.61	-13055.88	-7071.12
p3-s1	SLU-209	Max P	-18514.86	-362.72	586.75	-25.81	10820.84	-6673.49
p3-s1	SLU-209	Min P	-21537.45	-360.30	597.33	-26.12	7285.47	-6628.66
p3-s1	SLU-209	Max M2	-19319.40	-358.29	590.12	-23.48	12266.22	-6591.60
p3-s1	SLU-209	Min M2	-20892.72	-359.35	596.04	-27.86	5696.17	-6611.10
p3-s1	SLU-209	Max M3	-20452.12	-341.02	594.12	-28.55	8867.02	-6272.03
p3-s1	SLU-209	Min M3	-20343.30	-377.08	594.00	-24.92	8965.63	-6939.24
p3-s1	SLU-210	Max P	-18511.50	-361.98	596.27	-23.02	11023.46	-6659.90
p3-s1	SLU-210	Min P	-21441.39	-356.94	585.22	-22.74	14861.36	-6566.58
p3-s1	SLU-210	Max M2	-20768.26	-357.41	586.38	-21.15	16186.79	-6575.22
p3-s1	SLU-210	Min M2	-19344.07	-358.70	592.23	-25.52	9641.31	-6599.07
p3-s1	SLU-210	Max M3	-20371.81	-344.46	587.97	-20.32	13248.15	-6335.67
p3-s1	SLU-210	Min M3	-20199.45	-370.95	588.43	-24.37	12725.58	-6825.70
p3-s1	SLU-211	Max P	-18526.59	-377.13	-918.11	-25.65	-17908.67	-6902.07
p3-s1	SLU-211	Min P	-21549.18	-374.70	-907.53	-25.96	-21444.04	-6857.25
p3-s1	SLU-211	Max M2	-19331.13	-372.70	-914.74	-23.33	-16463.29	-6820.19
p3-s1	SLU-211	Min M2	-20904.45	-373.75	-908.82	-27.71	-23033.34	-6839.69
p3-s1	SLU-211	Max M3	-20463.85	-355.43	-910.75	-28.39	-19862.49	-6500.62
p3-s1	SLU-211	Min M3	-20355.03	-391.49	-910.87	-24.76	-19763.88	-7167.83
p3-s1	SLU-212	Max P	-18523.23	-376.39	-908.60	-22.87	-17706.05	-6888.49
p3-s1	SLU-212	Min P	-21453.12	-371.35	-919.65	-22.58	-13868.15	-6795.17
p3-s1	SLU-212	Max M2	-20779.99	-371.82	-918.49	-20.99	-12542.72	-6803.81
p3-s1	SLU-212	Min M2	-19355.80	-373.10	-912.64	-25.36	-19088.20	-6827.66

p3-s1	SLU-212	Max M3	-20383.54	-358.87	-916.89	-20.17	-15481.37	-6564.26
p3-s1	SLU-212	Min M3	-20211.18	-385.35	-916.44	-24.21	-16003.93	-7054.28
p3-s1	SLU-213	Max P	-18163.10	-361.76	586.88	-25.90	10576.60	-6655.67
p3-s1	SLU-213	Min P	-21185.69	-359.33	597.46	-26.21	7041.23	-6610.85
p3-s1	SLU-213	Max M2	-18967.64	-357.33	590.25	-23.58	12021.98	-6573.79
p3-s1	SLU-213	Min M2	-20540.96	-358.38	596.17	-27.95	5451.93	-6593.28
p3-s1	SLU-213	Max M3	-20100.36	-340.06	594.25	-28.64	8622.78	-6254.22
p3-s1	SLU-213	Min M3	-19991.54	-376.12	594.13	-25.01	8721.39	-6921.42
p3-s1	SLU-214	Max P	-18159.74	-361.02	596.40	-23.12	10779.22	-6642.09
p3-s1	SLU-214	Min P	-21089.63	-355.98	585.35	-22.83	14617.12	-6548.77
p3-s1	SLU-214	Max M2	-20416.50	-356.44	586.51	-21.24	15942.55	-6557.41
p3-s1	SLU-214	Min M2	-18992.31	-357.73	592.36	-25.61	9397.07	-6581.26
p3-s1	SLU-214	Max M3	-20020.05	-343.50	588.11	-20.42	13003.90	-6317.86
p3-s1	SLU-214	Min M3	-19847.69	-369.98	588.56	-24.46	12481.34	-6807.88
p3-s1	SLU-215	Max P	-18174.83	-376.16	-917.98	-25.74	-18152.91	-6884.26
p3-s1	SLU-215	Min P	-21197.42	-373.74	-907.40	-26.05	-21688.28	-6839.43
p3-s1	SLU-215	Max M2	-18979.37	-371.74	-914.61	-23.42	-16707.53	-6802.37
p3-s1	SLU-215	Min M2	-20552.69	-372.79	-908.69	-27.80	-23277.58	-6821.87
p3-s1	SLU-215	Max M3	-20112.09	-354.46	-910.62	-28.48	-20106.73	-6482.81
p3-s1	SLU-215	Min M3	-20003.27	-390.53	-910.73	-24.85	-20008.12	-7150.01
p3-s1	SLU-216	Max P	-18171.46	-375.43	-908.47	-22.96	-17950.29	-6870.67
p3-s1	SLU-216	Min P	-21101.36	-370.39	-919.52	-22.67	-14112.39	-6777.35
p3-s1	SLU-216	Max M2	-20428.23	-370.85	-918.36	-21.09	-12786.96	-6785.99
p3-s1	SLU-216	Min M2	-19004.04	-372.14	-912.51	-25.45	-19332.44	-6809.84
p3-s1	SLU-216	Max M3	-20031.78	-357.90	-916.76	-20.26	-15725.61	-6546.45
p3-s1	SLU-216	Min M3	-19859.42	-384.39	-916.31	-24.30	-16248.18	-7036.47
p3-s1	SLU-217	Max P	-18736.28	-365.36	586.60	-25.86	10792.44	-6722.37
p3-s1	SLU-217	Min P	-21758.87	-362.94	597.18	-26.17	7257.07	-6677.54
p3-s1	SLU-217	Max M2	-19540.82	-360.93	589.97	-23.54	12237.82	-6640.48
p3-s1	SLU-217	Min M2	-21114.14	-361.99	595.89	-27.91	5667.76	-6659.98
p3-s1	SLU-217	Max M3	-20673.54	-343.66	593.97	-28.60	8838.62	-6320.92
p3-s1	SLU-217	Min M3	-20564.72	-379.73	593.85	-24.97	8937.22	-6988.12
p3-s1	SLU-218	Max P	-18732.91	-364.63	596.12	-23.08	10995.06	-6708.78
p3-s1	SLU-218	Min P	-21662.81	-359.58	585.07	-22.79	14832.95	-6615.46
p3-s1	SLU-218	Max M2	-20989.68	-360.05	586.23	-21.20	16158.38	-6624.10
p3-s1	SLU-218	Min M2	-19565.49	-361.34	592.08	-25.57	9612.90	-6647.95
p3-s1	SLU-218	Max M3	-20593.23	-347.10	587.82	-20.38	13219.74	-6384.56
p3-s1	SLU-218	Min M3	-20420.87	-373.59	588.28	-24.42	12697.17	-6874.58
p3-s1	SLU-219	Max P	-18748.01	-379.77	-918.26	-25.70	-17937.07	-6950.95
p3-s1	SLU-219	Min P	-21770.59	-377.35	-907.68	-26.01	-21472.44	-6906.13
p3-s1	SLU-219	Max M2	-19552.55	-375.34	-914.89	-23.38	-16491.70	-6869.07
p3-s1	SLU-219	Min M2	-21125.86	-376.40	-908.97	-27.76	-23061.75	-6888.57
p3-s1	SLU-219	Max M3	-20685.26	-358.07	-910.90	-28.44	-19890.89	-6549.50
p3-s1	SLU-219	Min M3	-20576.44	-394.13	-911.01	-24.81	-19792.29	-7216.71
p3-s1	SLU-220	Max P	-18744.64	-379.03	-908.75	-22.92	-17734.45	-6937.37
p3-s1	SLU-220	Min P	-21674.53	-373.99	-919.80	-22.63	-13896.56	-6844.05
p3-s1	SLU-220	Max M2	-21001.41	-374.46	-918.64	-21.05	-12571.13	-6852.69
p3-s1	SLU-220	Min M2	-19577.21	-375.75	-912.79	-25.41	-19116.61	-6876.54
p3-s1	SLU-220	Max M3	-20604.96	-361.51	-917.04	-20.22	-15509.77	-6613.14
p3-s1	SLU-220	Min M3	-20432.59	-388.00	-916.59	-24.26	-16032.34	-7103.16
p3-s1	SLU-221	Max P	-18384.52	-364.40	586.73	-25.95	10548.20	-6704.55

p3-s1	SLU-221	Min P	-21407.10	-361.97	597.31	-26.26	7012.83	-6659.73
p3-s1	SLU-221	Max M2	-19189.06	-359.97	590.10	-23.63	11993.57	-6622.67
p3-s1	SLU-221	Min M2	-20762.38	-361.03	596.02	-28.01	5423.52	-6642.17
p3-s1	SLU-221	Max M3	-20321.77	-342.70	594.10	-28.69	8594.38	-6303.10
p3-s1	SLU-221	Min M3	-20212.96	-378.76	593.98	-25.06	8692.98	-6970.31
p3-s1	SLU-222	Max P	-18381.15	-363.66	596.25	-23.17	10750.82	-6690.97
p3-s1	SLU-222	Min P	-21311.04	-358.62	585.20	-22.88	14588.71	-6597.65
p3-s1	SLU-222	Max M2	-20637.92	-359.09	586.36	-21.29	15914.14	-6606.29
p3-s1	SLU-222	Min M2	-19213.72	-360.38	592.21	-25.66	9368.66	-6630.14
p3-s1	SLU-222	Max M3	-20241.47	-346.14	587.96	-20.47	12975.50	-6366.74
p3-s1	SLU-222	Min M3	-20069.11	-372.63	588.41	-24.51	12452.93	-6856.76
p3-s1	SLU-223	Max P	-18396.24	-378.81	-918.13	-25.80	-18181.32	-6933.14
p3-s1	SLU-223	Min P	-21418.83	-376.38	-907.55	-26.11	-21716.68	-6888.31
p3-s1	SLU-223	Max M2	-19200.79	-374.38	-914.76	-23.47	-16735.94	-6851.25
p3-s1	SLU-223	Min M2	-20774.10	-375.43	-908.84	-27.85	-23305.99	-6870.75
p3-s1	SLU-223	Max M3	-20333.50	-357.11	-910.77	-28.54	-20135.14	-6531.69
p3-s1	SLU-223	Min M3	-20224.68	-393.17	-910.88	-24.91	-20036.53	-7198.89
p3-s1	SLU-224	Max P	-18392.88	-378.07	-908.62	-23.01	-17978.69	-6919.55
p3-s1	SLU-224	Min P	-21322.77	-373.03	-919.67	-22.72	-14140.80	-6826.24
p3-s1	SLU-224	Max M2	-20649.65	-373.49	-918.51	-21.14	-12815.37	-6834.88
p3-s1	SLU-224	Min M2	-19225.45	-374.78	-912.66	-25.51	-19360.85	-6858.72
p3-s1	SLU-224	Max M3	-20253.20	-360.55	-916.91	-20.31	-15754.01	-6595.33
p3-s1	SLU-224	Min M3	-20080.83	-387.03	-916.46	-24.36	-16276.58	-7085.35
p3-s1	SLU-225	Max P	-18509.50	-354.82	1258.71	-3.57	23961.02	-6540.09
p3-s1	SLU-225	Min P	-21532.09	-352.40	1269.29	-3.88	20425.65	-6495.26
p3-s1	SLU-225	Max M2	-19314.04	-350.40	1262.08	-1.24	25406.40	-6458.20
p3-s1	SLU-225	Min M2	-20887.36	-351.45	1268.00	-5.62	18836.35	-6477.70
p3-s1	SLU-225	Max M3	-20446.76	-333.12	1266.07	-6.31	22007.20	-6138.64
p3-s1	SLU-225	Min M3	-20337.94	-369.19	1265.95	-2.67	22105.81	-6805.84
p3-s1	SLU-226	Max P	-18506.14	-354.09	1268.22	-0.78	24163.64	-6526.50
p3-s1	SLU-226	Min P	-21436.03	-349.05	1257.17	-0.49	28001.54	-6433.18
p3-s1	SLU-226	Max M2	-20762.90	-349.51	1258.33	1.09	29326.97	-6441.82
p3-s1	SLU-226	Min M2	-19338.71	-350.80	1264.18	-3.27	22781.48	-6465.67
p3-s1	SLU-226	Max M3	-20366.45	-336.56	1259.93	1.92	26388.32	-6202.28
p3-s1	SLU-226	Min M3	-20194.09	-363.05	1260.38	-2.12	25865.75	-6692.30
p3-s1	SLU-227	Max P	-18529.05	-378.84	-1249.40	-3.31	-23921.50	-6921.06
p3-s1	SLU-227	Min P	-21551.63	-376.41	-1238.82	-3.62	-27456.87	-6876.24
p3-s1	SLU-227	Max M2	-19333.59	-374.41	-1246.03	-0.98	-22476.12	-6839.18
p3-s1	SLU-227	Min M2	-20906.91	-375.47	-1240.11	-5.36	-29046.17	-6858.68
p3-s1	SLU-227	Max M3	-20466.30	-357.14	-1242.04	-6.05	-25875.32	-6519.61
p3-s1	SLU-227	Min M3	-20357.49	-393.20	-1242.16	-2.42	-25776.71	-7186.82
p3-s1	SLU-228	Max P	-18525.68	-378.10	-1239.89	-0.52	-23718.88	-6907.48
p3-s1	SLU-228	Min P	-21455.57	-373.06	-1250.94	-0.23	-19880.98	-6814.16
p3-s1	SLU-228	Max M2	-20782.45	-373.53	-1249.78	1.35	-18555.55	-6822.80
p3-s1	SLU-228	Min M2	-19358.25	-374.82	-1243.93	-3.01	-25101.03	-6846.65
p3-s1	SLU-228	Max M3	-20386.00	-360.58	-1248.18	2.18	-21494.20	-6583.25
p3-s1	SLU-228	Min M3	-20213.64	-387.07	-1247.73	-1.87	-22016.76	-7073.27
p3-s1	SLU-229	Max P	-18157.74	-353.86	1258.84	-3.66	23716.78	-6522.27
p3-s1	SLU-229	Min P	-21180.33	-351.44	1269.42	-3.97	20181.41	-6477.45
p3-s1	SLU-229	Max M2	-18962.28	-349.43	1262.21	-1.33	25162.16	-6440.39
p3-s1	SLU-229	Min M2	-20535.60	-350.49	1268.13	-5.71	18592.11	-6459.89

p3-s1	SLU-229	Max M3	-20095.00	-332.16	1266.20	-6.40	21762.96	-6120.82
p3-s1	SLU-229	Min M3	-19986.18	-368.23	1266.08	-2.77	21861.56	-6788.03
p3-s1	SLU-230	Max P	-18154.38	-353.13	1268.35	-0.87	23919.40	-6508.69
p3-s1	SLU-230	Min P	-21084.27	-348.08	1257.30	-0.59	27757.29	-6415.37
p3-s1	SLU-230	Max M2	-20411.14	-348.55	1258.46	1.00	29082.73	-6424.01
p3-s1	SLU-230	Min M2	-18986.95	-349.84	1264.31	-3.37	22537.24	-6447.86
p3-s1	SLU-230	Max M3	-20014.69	-335.60	1260.06	1.83	26144.08	-6184.46
p3-s1	SLU-230	Min M3	-19842.33	-362.09	1260.51	-2.22	25621.51	-6674.48
p3-s1	SLU-231	Max P	-18177.29	-377.87	-1249.27	-3.40	-24165.74	-6903.25
p3-s1	SLU-231	Min P	-21199.87	-375.45	-1238.69	-3.71	-27701.11	-6858.43
p3-s1	SLU-231	Max M2	-18981.83	-373.45	-1245.90	-1.08	-22720.36	-6821.36
p3-s1	SLU-231	Min M2	-20555.14	-374.50	-1239.98	-5.45	-29290.41	-6840.86
p3-s1	SLU-231	Max M3	-20114.54	-356.17	-1241.91	-6.14	-26119.56	-6501.80
p3-s1	SLU-231	Min M3	-20005.72	-392.24	-1242.02	-2.51	-26020.95	-7169.00
p3-s1	SLU-232	Max P	-18173.92	-377.14	-1239.76	-0.62	-23963.12	-6889.67
p3-s1	SLU-232	Min P	-21103.81	-372.10	-1250.81	-0.33	-20125.22	-6796.35
p3-s1	SLU-232	Max M2	-20430.69	-372.56	-1249.65	1.26	-18799.79	-6804.99
p3-s1	SLU-232	Min M2	-19006.49	-373.85	-1243.80	-3.11	-25345.28	-6828.84
p3-s1	SLU-232	Max M3	-20034.24	-359.61	-1248.05	2.09	-21738.44	-6565.44
p3-s1	SLU-232	Min M3	-19861.87	-386.10	-1247.60	-1.96	-22261.01	-7055.46
p3-s1	SLU-233	Max P	-18730.92	-357.47	1258.56	-3.62	23932.61	-6588.97
p3-s1	SLU-233	Min P	-21753.50	-355.04	1269.14	-3.93	20397.24	-6544.14
p3-s1	SLU-233	Max M2	-19535.46	-353.04	1261.93	-1.29	25377.99	-6507.08
p3-s1	SLU-233	Min M2	-21108.78	-354.09	1267.85	-5.67	18807.94	-6526.58
p3-s1	SLU-233	Max M3	-20668.17	-335.77	1265.92	-6.36	21978.79	-6187.52
p3-s1	SLU-233	Min M3	-20559.36	-371.83	1265.80	-2.73	22077.40	-6854.72
p3-s1	SLU-234	Max P	-18727.55	-356.73	1268.07	-0.83	24135.23	-6575.38
p3-s1	SLU-234	Min P	-21657.44	-351.69	1257.02	-0.55	27973.13	-6482.06
p3-s1	SLU-234	Max M2	-20984.32	-352.15	1258.18	1.04	29298.56	-6490.70
p3-s1	SLU-234	Min M2	-19560.12	-353.44	1264.03	-3.33	22753.08	-6514.55
p3-s1	SLU-234	Max M3	-20587.87	-339.21	1259.78	1.87	26359.92	-6251.16
p3-s1	SLU-234	Min M3	-20415.51	-365.69	1260.23	-2.18	25837.35	-6741.18
p3-s1	SLU-235	Max P	-18750.46	-381.48	-1249.55	-3.36	-23949.90	-6969.95
p3-s1	SLU-235	Min P	-21773.05	-379.06	-1238.97	-3.67	-27485.27	-6925.12
p3-s1	SLU-235	Max M2	-19555.00	-377.05	-1246.18	-1.04	-22504.53	-6888.06
p3-s1	SLU-235	Min M2	-21128.32	-378.11	-1240.26	-5.41	-29074.58	-6907.56
p3-s1	SLU-235	Max M3	-20687.72	-359.78	-1242.19	-6.10	-25903.72	-6568.49
p3-s1	SLU-235	Min M3	-20578.90	-395.85	-1242.31	-2.47	-25805.12	-7235.70
p3-s1	SLU-236	Max P	-18747.10	-380.75	-1240.04	-0.58	-23747.28	-6956.36
p3-s1	SLU-236	Min P	-21676.99	-375.70	-1251.09	-0.29	-19909.39	-6863.04
p3-s1	SLU-236	Max M2	-21003.86	-376.17	-1249.93	1.30	-18583.96	-6871.68
p3-s1	SLU-236	Min M2	-19579.67	-377.46	-1244.08	-3.07	-25129.44	-6895.53
p3-s1	SLU-236	Max M3	-20607.41	-363.22	-1248.33	2.13	-21522.60	-6632.13
p3-s1	SLU-236	Min M3	-20435.05	-389.71	-1247.88	-1.92	-22045.17	-7122.16
p3-s1	SLU-237	Max P	-18379.16	-356.50	1258.69	-3.71	23688.37	-6571.15
p3-s1	SLU-237	Min P	-21401.74	-354.08	1269.27	-4.02	20153.00	-6526.33
p3-s1	SLU-237	Max M2	-19183.70	-352.08	1262.06	-1.39	25133.75	-6489.27
p3-s1	SLU-237	Min M2	-20757.01	-353.13	1267.98	-5.76	18563.70	-6508.77
p3-s1	SLU-237	Max M3	-20316.41	-334.80	1266.05	-6.45	21734.55	-6169.70
p3-s1	SLU-237	Min M3	-20207.59	-370.87	1265.94	-2.82	21833.16	-6836.91
p3-s1	SLU-238	Max P	-18375.79	-355.77	1268.20	-0.93	23890.99	-6557.57

p3-s1	SLU-238	Min P	-21305.68	-350.72	1257.15	-0.64	27728.89	-6464.25
p3-s1	SLU-238	Max M2	-20632.56	-351.19	1258.31	0.95	29054.32	-6472.89
p3-s1	SLU-238	Min M2	-19208.36	-352.48	1264.16	-3.42	22508.84	-6496.74
p3-s1	SLU-238	Max M3	-20236.11	-338.24	1259.91	1.77	26115.67	-6233.34
p3-s1	SLU-238	Min M3	-20063.74	-364.73	1260.36	-2.27	25593.11	-6723.36
p3-s1	SLU-239	Max P	-18398.70	-380.52	-1249.42	-3.45	-24194.15	-6952.13
p3-s1	SLU-239	Min P	-21421.29	-378.09	-1238.84	-3.76	-27729.51	-6907.31
p3-s1	SLU-239	Max M2	-19203.24	-376.09	-1246.05	-1.13	-22748.77	-6870.25
p3-s1	SLU-239	Min M2	-20776.56	-377.14	-1240.13	-5.50	-29318.82	-6889.74
p3-s1	SLU-239	Max M3	-20335.96	-358.82	-1242.06	-6.19	-26147.97	-6550.68
p3-s1	SLU-239	Min M3	-20227.14	-394.88	-1242.17	-2.56	-26049.36	-7217.88
p3-s1	SLU-240	Max P	-18395.34	-379.78	-1239.91	-0.67	-23991.52	-6938.55
p3-s1	SLU-240	Min P	-21325.23	-374.74	-1250.96	-0.38	-20153.63	-6845.23
p3-s1	SLU-240	Max M2	-20652.10	-375.21	-1249.80	1.21	-18828.20	-6853.87
p3-s1	SLU-240	Min M2	-19227.91	-376.49	-1243.95	-3.16	-25373.68	-6877.72
p3-s1	SLU-240	Max M3	-20255.65	-362.26	-1248.20	2.03	-21766.84	-6614.32
p3-s1	SLU-240	Min M3	-20083.29	-388.74	-1247.75	-2.01	-22289.41	-7104.34
p3-s1	SLU-241	Max P	-18444.99	-592.44	763.72	-4.42	14556.62	-10886.15
p3-s1	SLU-241	Min P	-21467.58	-590.02	774.30	-4.73	11021.25	-10841.32
p3-s1	SLU-241	Max M2	-19249.53	-588.01	767.09	-2.09	16002.00	-10804.26
p3-s1	SLU-241	Min M2	-20822.85	-589.07	773.01	-6.47	9431.95	-10823.76
p3-s1	SLU-241	Max M3	-20382.25	-570.74	771.08	-7.16	12602.80	-10484.70
p3-s1	SLU-241	Min M3	-20273.43	-606.81	770.96	-3.53	12701.40	-11151.90
p3-s1	SLU-242	Max P	-18441.63	-591.71	773.23	-1.63	14759.24	-10872.56
p3-s1	SLU-242	Min P	-21371.52	-586.66	762.18	-1.35	18597.13	-10779.24
p3-s1	SLU-242	Max M2	-20698.39	-587.13	763.34	0.24	19922.57	-10787.88
p3-s1	SLU-242	Min M2	-19274.20	-588.42	769.19	-4.13	13377.08	-10811.73
p3-s1	SLU-242	Max M3	-20301.94	-574.18	764.94	1.07	16983.92	-10548.34
p3-s1	SLU-242	Min M3	-20129.58	-600.67	765.39	-2.98	16461.35	-11038.36
p3-s1	SLU-243	Max P	-18456.72	-606.85	-741.15	-4.26	-14172.89	-11114.73
p3-s1	SLU-243	Min P	-21479.31	-604.43	-730.57	-4.57	-17708.26	-11069.91
p3-s1	SLU-243	Max M2	-19261.26	-602.42	-737.78	-1.94	-12727.51	-11032.85
p3-s1	SLU-243	Min M2	-20834.58	-603.48	-731.86	-6.32	-19297.56	-11052.35
p3-s1	SLU-243	Max M3	-20393.98	-585.15	-733.78	-7.00	-16126.71	-10713.28
p3-s1	SLU-243	Min M3	-20285.16	-621.21	-733.90	-3.37	-16028.11	-11380.49
p3-s1	SLU-244	Max P	-18453.35	-606.11	-731.63	-1.48	-13970.27	-11101.15
p3-s1	SLU-244	Min P	-21383.25	-601.07	-742.69	-1.19	-10132.38	-11007.83
p3-s1	SLU-244	Max M2	-20710.12	-601.54	-741.53	0.40	-8806.94	-11016.47
p3-s1	SLU-244	Min M2	-19285.93	-602.83	-735.67	-3.97	-15352.43	-11040.32
p3-s1	SLU-244	Max M3	-20313.67	-588.59	-739.93	1.22	-11745.59	-10776.92
p3-s1	SLU-244	Min M3	-20141.31	-615.08	-739.47	-2.82	-12268.16	-11266.95
p3-s1	SLU-245	Max P	-18093.23	-591.48	763.85	-4.51	14312.38	-10868.33
p3-s1	SLU-245	Min P	-21115.82	-589.05	774.43	-4.82	10777.01	-10823.51
p3-s1	SLU-245	Max M2	-18897.77	-587.05	767.22	-2.19	15757.76	-10786.45
p3-s1	SLU-245	Min M2	-20471.09	-588.11	773.14	-6.56	9187.71	-10805.95
p3-s1	SLU-245	Max M3	-20030.49	-569.78	771.21	-7.25	12358.56	-10466.88
p3-s1	SLU-245	Min M3	-19921.67	-605.84	771.10	-3.62	12457.16	-11134.09
p3-s1	SLU-246	Max P	-18089.87	-590.74	773.36	-1.73	14515.00	-10854.75
p3-s1	SLU-246	Min P	-21019.76	-585.70	762.31	-1.44	18352.89	-10761.43
p3-s1	SLU-246	Max M2	-20346.63	-586.17	763.47	0.15	19678.33	-10770.07
p3-s1	SLU-246	Min M2	-18922.44	-587.46	769.32	-4.22	13132.84	-10793.92

p3-s1	SLU-246	Max M3	-19950.18	-573.22	765.07	0.98	16739.68	-10530.52
p3-s1	SLU-246	Min M3	-19777.82	-599.71	765.52	-3.07	16217.11	-11020.54
p3-s1	SLU-247	Max P	-18104.96	-605.89	-741.02	-4.35	-14417.13	-11096.92
p3-s1	SLU-247	Min P	-21127.55	-603.46	-730.44	-4.66	-17952.50	-11052.10
p3-s1	SLU-247	Max M2	-18909.50	-601.46	-737.65	-2.03	-12971.75	-11015.03
p3-s1	SLU-247	Min M2	-20482.82	-602.51	-731.73	-6.41	-19541.80	-11034.53
p3-s1	SLU-247	Max M3	-20042.22	-584.19	-733.65	-7.09	-16370.95	-10695.47
p3-s1	SLU-247	Min M3	-19933.40	-620.25	-733.77	-3.46	-16272.35	-11362.67
p3-s1	SLU-248	Max P	-18101.59	-605.15	-731.50	-1.57	-14214.51	-11083.34
p3-s1	SLU-248	Min P	-21031.49	-600.11	-742.55	-1.28	-10376.62	-10990.02
p3-s1	SLU-248	Max M2	-20358.36	-600.57	-741.39	0.30	-9051.19	-10998.66
p3-s1	SLU-248	Min M2	-18934.17	-601.86	-735.54	-4.06	-15596.67	-11022.51
p3-s1	SLU-248	Max M3	-19961.91	-587.63	-739.80	1.13	-11989.83	-10759.11
p3-s1	SLU-248	Min M3	-19789.55	-614.11	-739.34	-2.91	-12512.40	-11249.13
p3-s1	SLU-249	Max P	-18814.02	-596.84	763.47	-4.50	14509.27	-10967.62
p3-s1	SLU-249	Min P	-21836.61	-594.42	774.05	-4.81	10973.91	-10922.79
p3-s1	SLU-249	Max M2	-19618.56	-592.42	766.84	-2.18	15954.65	-10885.73
p3-s1	SLU-249	Min M2	-21191.88	-593.47	772.76	-6.56	9384.60	-10905.23
p3-s1	SLU-249	Max M3	-20751.28	-575.14	770.83	-7.25	12555.45	-10566.17
p3-s1	SLU-249	Min M3	-20642.46	-611.21	770.72	-3.61	12654.06	-11233.37
p3-s1	SLU-250	Max P	-18810.65	-596.11	772.98	-1.72	14711.90	-10954.03
p3-s1	SLU-250	Min P	-21740.55	-591.07	761.93	-1.43	18549.79	-10860.71
p3-s1	SLU-250	Max M2	-21067.42	-591.53	763.09	0.15	19875.22	-10869.35
p3-s1	SLU-250	Min M2	-19643.23	-592.82	768.94	-4.21	13329.74	-10893.20
p3-s1	SLU-250	Max M3	-20670.97	-578.58	764.69	0.98	16936.58	-10629.81
p3-s1	SLU-250	Min M3	-20498.61	-605.07	765.14	-3.06	16414.01	-11119.83
p3-s1	SLU-251	Max P	-18825.75	-611.25	-741.40	-4.35	-14220.24	-11196.20
p3-s1	SLU-251	Min P	-21848.33	-608.83	-730.82	-4.66	-17755.61	-11151.38
p3-s1	SLU-251	Max M2	-19630.29	-606.83	-738.03	-2.03	-12774.86	-11114.32
p3-s1	SLU-251	Min M2	-21203.60	-607.88	-732.11	-6.40	-19344.91	-11133.82
p3-s1	SLU-251	Max M3	-20763.00	-589.55	-734.03	-7.09	-16174.06	-10794.75
p3-s1	SLU-251	Min M3	-20654.18	-625.62	-734.15	-3.46	-16075.45	-11461.96
p3-s1	SLU-252	Max P	-18822.38	-610.52	-731.88	-1.57	-14017.62	-11182.62
p3-s1	SLU-252	Min P	-21752.27	-605.47	-742.93	-1.28	-10179.72	-11089.30
p3-s1	SLU-252	Max M2	-21079.15	-605.94	-741.78	0.31	-8854.29	-11097.94
p3-s1	SLU-252	Min M2	-19654.95	-607.23	-735.92	-4.06	-15399.77	-11121.79
p3-s1	SLU-252	Max M3	-20682.70	-592.99	-740.18	1.14	-11792.93	-10858.39
p3-s1	SLU-252	Min M3	-20510.33	-619.48	-739.72	-2.91	-12315.50	-11348.41
p3-s1	SLU-253	Max P	-18462.26	-595.88	763.60	-4.60	14265.03	-10949.80
p3-s1	SLU-253	Min P	-21484.84	-593.46	774.18	-4.91	10729.66	-10904.98
p3-s1	SLU-253	Max M2	-19266.80	-591.46	766.97	-2.27	15710.41	-10867.92
p3-s1	SLU-253	Min M2	-20840.12	-592.51	772.89	-6.65	9140.36	-10887.42
p3-s1	SLU-253	Max M3	-20399.51	-574.18	770.96	-7.34	12311.21	-10548.35
p3-s1	SLU-253	Min M3	-20290.70	-610.25	770.85	-3.71	12409.82	-11215.56
p3-s1	SLU-254	Max P	-18458.89	-595.15	773.11	-1.81	14467.65	-10936.22
p3-s1	SLU-254	Min P	-21388.78	-590.10	762.06	-1.53	18305.55	-10842.90
p3-s1	SLU-254	Max M2	-20715.66	-590.57	763.22	0.06	19630.98	-10851.54
p3-s1	SLU-254	Min M2	-19291.46	-591.86	769.07	-4.31	13085.50	-10875.39
p3-s1	SLU-254	Max M3	-20319.21	-577.62	764.82	0.89	16692.34	-10611.99
p3-s1	SLU-254	Min M3	-20146.85	-604.11	765.28	-3.16	16169.77	-11102.01
p3-s1	SLU-255	Max P	-18473.99	-610.29	-741.27	-4.44	-14464.48	-11178.39

p3-s1	SLU-255	Min P	-21496.57	-607.87	-730.69	-4.75	-17999.85	-11133.56
p3-s1	SLU-255	Max M2	-19278.53	-605.86	-737.90	-2.12	-13019.10	-11096.50
p3-s1	SLU-255	Min M2	-20851.84	-606.92	-731.98	-6.50	-19589.15	-11116.00
p3-s1	SLU-255	Max M3	-20411.24	-588.59	-733.90	-7.18	-16418.30	-10776.94
p3-s1	SLU-255	Min M3	-20302.42	-624.65	-734.02	-3.55	-16319.69	-11444.14
p3-s1	SLU-256	Max P	-18470.62	-609.56	-731.75	-1.66	-14261.86	-11164.80
p3-s1	SLU-256	Min P	-21400.51	-604.51	-742.80	-1.37	-10423.96	-11071.49
p3-s1	SLU-256	Max M2	-20727.39	-604.98	-741.64	0.22	-9098.53	-11080.13
p3-s1	SLU-256	Min M2	-19303.19	-606.27	-735.79	-4.15	-15644.01	-11103.97
p3-s1	SLU-256	Max M3	-20330.94	-592.03	-740.05	1.04	-12037.18	-10840.58
p3-s1	SLU-256	Min M3	-20158.57	-618.52	-739.59	-3.00	-12559.74	-11330.60

12.1.12. PILA 2-SOLLECITAZIONI SEZIONE DI BASE-COMBINAZIONI SLV SISMICHE

TABLE: Element Forces - Frames

Frame	OutputCase	StepType	P	V2	V3	T	M2	M3
Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
p3-s1	Comb-Sx-slv	Max	-13121.381	2122.182	736.176	11.4102	10804.609	30052.65
p3-s1	Comb-Sx-slv	Min	-14686.086	-2132.729	-736.99	-12.0004	-10937.496	-30247.78
p3-s1	Comb-Sy-slv	Max	-13141.988	701.707	2329.415	11.4046	34105.154	10077.528
p3-s1	Comb-Sy-slv	Min	-14665.479	-712.254	-2330.229	-11.9948	-34238.04	-10272.66
p3-s1	Comb-Sz-slv	Max	-11915.029	686.695	713.875	5.5852	10423.459	9850.4677
p3-s1	Comb-Sz-slv	Min	-15892.438	-697.242	-714.689	-6.1755	-10556.346	-10045.6

12.1.13. PILA 2-SOLLECITAZIONI SEZIONE DI BASE-COMBINAZIONI SLE-RARE

TABLE: Element Forces - Frames

Frame	OutputCase	StepType	P	V2	V3	T	M2	M3
Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
p3-s1	SLE-R-1	Max P	-13605.79	227.88	488.19	-1.26	9264.73	4165.88
p3-s1	SLE-R-1	Min P	-18006.21	232.29	502.73	-2.56	4216.35	4247.52
p3-s1	SLE-R-1	Max M2	-14774.15	233.76	492.88	2.33	11496.54	4274.67
p3-s1	SLE-R-1	Min M2	-16995.65	231.72	500.09	-5.56	1842.39	4236.92
p3-s1	SLE-R-1	Max M3	-16292.47	256.99	497.99	-4.94	6536.10	4704.40
p3-s1	SLE-R-1	Min M3	-16053.46	208.03	496.91	-0.39	6674.71	3798.76
p3-s1	SLE-R-2	Max P	-13601.34	228.88	501.21	2.44	9542.25	4184.45
p3-s1	SLE-R-2	Min P	-17840.28	236.31	485.75	3.53	14902.26	4321.88
p3-s1	SLE-R-2	Max M2	-16770.06	235.06	488.49	6.46	16998.79	4298.80
p3-s1	SLE-R-2	Min M2	-14829.03	232.92	495.62	-1.38	7389.70	4259.07
p3-s1	SLE-R-2	Max M3	-16189.04	252.50	490.36	6.13	12660.95	4621.36
p3-s1	SLE-R-2	Min M3	-15863.32	216.17	491.58	0.90	11871.36	3949.27
p3-s1	SLE-R-3	Max P	-13613.61	218.27	-515.05	-1.15	-9888.27	4013.49
p3-s1	SLE-R-3	Min P	-18014.03	222.69	-500.51	-2.45	-14936.66	4095.13
p3-s1	SLE-R-3	Max M2	-14781.97	224.15	-510.36	2.43	-7656.46	4122.28
p3-s1	SLE-R-3	Min M2	-17003.46	222.11	-503.15	-5.46	-17310.61	4084.52
p3-s1	SLE-R-3	Max M3	-16300.29	247.38	-505.25	-4.84	-12616.91	4552.01
p3-s1	SLE-R-3	Min M3	-16061.28	198.43	-506.33	-0.29	-12478.30	3646.36
p3-s1	SLE-R-4	Max P	-13609.16	219.28	-502.03	2.55	-9610.76	4032.05

p3-s1	SLE-R-4	Min P	-17848.10	226.71	-517.50	3.63	-4250.74	4169.49
p3-s1	SLE-R-4	Max M2	-16777.88	225.46	-514.75	6.56	-2154.22	4146.41
p3-s1	SLE-R-4	Min M2	-14836.85	223.31	-507.62	-1.28	-11763.30	4106.68
p3-s1	SLE-R-4	Max M3	-16196.86	242.89	-512.88	6.23	-6492.05	4468.97
p3-s1	SLE-R-4	Min M3	-15871.14	206.56	-511.67	1.00	-7281.65	3796.88
p3-s1	SLE-R-5	Max P	-13312.65	228.68	488.30	-1.33	9061.20	4180.72
p3-s1	SLE-R-5	Min P	-17713.08	233.09	502.84	-2.63	4012.82	4262.37
p3-s1	SLE-R-5	Max M2	-14481.01	234.56	492.99	2.25	11293.01	4289.52
p3-s1	SLE-R-5	Min M2	-16702.51	232.52	500.20	-5.64	1638.86	4251.76
p3-s1	SLE-R-5	Max M3	-15999.34	257.79	498.10	-5.02	6332.56	4719.24
p3-s1	SLE-R-5	Min M3	-15760.33	208.84	497.02	-0.47	6471.17	3813.60
p3-s1	SLE-R-6	Max P	-13308.20	229.68	501.32	2.37	9338.72	4199.29
p3-s1	SLE-R-6	Min P	-17547.15	237.11	485.86	3.45	14698.73	4336.73
p3-s1	SLE-R-6	Max M2	-16476.93	235.87	488.60	6.38	16795.25	4313.65
p3-s1	SLE-R-6	Min M2	-14535.90	233.72	495.73	-1.46	7186.17	4273.92
p3-s1	SLE-R-6	Max M3	-15895.91	253.30	490.47	6.05	12457.42	4636.21
p3-s1	SLE-R-6	Min M3	-15570.18	216.97	491.69	0.82	11667.83	3964.12
p3-s1	SLE-R-7	Max P	-13320.47	219.07	-514.95	-1.23	-10091.81	4028.33
p3-s1	SLE-R-7	Min P	-17720.90	223.49	-500.40	-2.53	-15140.19	4109.98
p3-s1	SLE-R-7	Max M2	-14488.83	224.96	-510.25	2.35	-7860.00	4137.13
p3-s1	SLE-R-7	Min M2	-16710.33	222.91	-503.04	-5.54	-17514.15	4099.37
p3-s1	SLE-R-7	Max M3	-16007.16	248.18	-505.14	-4.92	-12820.45	4566.85
p3-s1	SLE-R-7	Min M3	-15768.15	199.23	-506.22	-0.36	-12681.83	3661.21
p3-s1	SLE-R-8	Max P	-13316.02	220.08	-501.92	2.47	-9814.29	4046.90
p3-s1	SLE-R-8	Min P	-17554.96	227.51	-517.39	3.56	-4454.28	4184.34
p3-s1	SLE-R-8	Max M2	-16484.75	226.26	-514.64	6.48	-2357.75	4161.26
p3-s1	SLE-R-8	Min M2	-14543.72	224.11	-507.51	-1.35	-11966.84	4121.52
p3-s1	SLE-R-8	Max M3	-15903.73	243.70	-512.77	6.16	-6695.59	4483.82
p3-s1	SLE-R-8	Min M3	-15578.00	207.37	-511.56	0.92	-7485.18	3811.73
p3-s1	SLE-R-9	Max P	-13753.40	226.12	488.09	-1.29	9245.80	4133.29
p3-s1	SLE-R-9	Min P	-18153.82	230.53	502.63	-2.59	4197.41	4214.94
p3-s1	SLE-R-9	Max M2	-14921.76	232.00	492.79	2.29	11477.61	4242.09
p3-s1	SLE-R-9	Min M2	-17143.26	229.96	499.99	-5.60	1823.45	4204.33
p3-s1	SLE-R-9	Max M3	-16440.08	255.23	497.90	-4.98	6517.16	4671.81
p3-s1	SLE-R-9	Min M3	-16201.07	206.27	496.81	-0.43	6655.77	3766.17
p3-s1	SLE-R-10	Max P	-13748.95	227.12	501.11	2.41	9523.31	4151.86
p3-s1	SLE-R-10	Min P	-17987.89	234.55	485.65	3.49	14883.33	4289.30
p3-s1	SLE-R-10	Max M2	-16917.67	233.30	488.39	6.42	16979.85	4266.22
p3-s1	SLE-R-10	Min M2	-14976.64	231.15	495.52	-1.42	7370.76	4226.48
p3-s1	SLE-R-10	Max M3	-16336.65	250.74	490.26	6.10	12642.02	4588.78
p3-s1	SLE-R-10	Min M3	-16010.93	214.41	491.48	0.86	11852.42	3916.69
p3-s1	SLE-R-11	Max P	-13761.22	216.51	-515.15	-1.19	-9907.21	3980.90
p3-s1	SLE-R-11	Min P	-18161.64	220.92	-500.61	-2.49	-14955.60	4062.54
p3-s1	SLE-R-11	Max M2	-14929.58	222.39	-510.46	2.39	-7675.40	4089.69
p3-s1	SLE-R-11	Min M2	-17151.08	220.35	-503.25	-5.50	-17329.55	4051.94
p3-s1	SLE-R-11	Max M3	-16447.90	245.62	-505.35	-4.87	-12635.85	4519.42
p3-s1	SLE-R-11	Min M3	-16208.89	196.67	-506.43	-0.32	-12497.24	3613.78
p3-s1	SLE-R-12	Max P	-13756.77	217.51	-502.13	2.51	-9629.69	3999.47
p3-s1	SLE-R-12	Min P	-17995.71	224.94	-517.60	3.60	-4269.68	4136.90
p3-s1	SLE-R-12	Max M2	-16925.49	223.70	-514.85	6.53	-2173.16	4113.82
p3-s1	SLE-R-12	Min M2	-14984.46	221.55	-507.72	-1.31	-11782.24	4074.09

p3-s1	SLE-R-12	Max M3	-16344.47	241.13	-512.98	6.20	-6510.99	4436.38
p3-s1	SLE-R-12	Min M3	-16018.75	204.80	-511.77	0.97	-7300.58	3764.30
p3-s1	SLE-R-13	Max P	-13460.27	226.92	488.20	-1.37	9042.26	4148.14
p3-s1	SLE-R-13	Min P	-17860.69	231.33	502.74	-2.67	3993.88	4229.78
p3-s1	SLE-R-13	Max M2	-14628.62	232.80	492.89	2.21	11274.07	4256.93
p3-s1	SLE-R-13	Min M2	-16850.12	230.76	500.10	-5.68	1619.92	4219.17
p3-s1	SLE-R-13	Max M3	-16146.95	256.03	498.00	-5.05	6313.62	4686.66
p3-s1	SLE-R-13	Min M3	-15907.94	207.07	496.92	-0.50	6452.24	3781.01
p3-s1	SLE-R-14	Max P	-13455.81	227.92	501.22	2.33	9319.78	4166.70
p3-s1	SLE-R-14	Min P	-17694.76	235.35	485.76	3.42	14679.79	4304.14
p3-s1	SLE-R-14	Max M2	-16624.54	234.10	488.50	6.35	16776.32	4281.06
p3-s1	SLE-R-14	Min M2	-14683.51	231.96	495.63	-1.49	7167.23	4241.33
p3-s1	SLE-R-14	Max M3	-16043.52	251.54	490.37	6.02	12438.48	4603.62
p3-s1	SLE-R-14	Min M3	-15717.80	215.21	491.59	0.79	11648.89	3931.53
p3-s1	SLE-R-15	Max P	-13468.08	217.31	-515.04	-1.26	-10110.74	3995.75
p3-s1	SLE-R-15	Min P	-17868.51	221.73	-500.50	-2.56	-15159.13	4077.39
p3-s1	SLE-R-15	Max M2	-14636.44	223.19	-510.35	2.32	-7878.94	4104.54
p3-s1	SLE-R-15	Min M2	-16857.94	221.15	-503.14	-5.57	-17533.09	4066.78
p3-s1	SLE-R-15	Max M3	-16154.77	246.42	-505.24	-4.95	-12839.38	4534.26
p3-s1	SLE-R-15	Min M3	-15915.76	197.47	-506.32	-0.40	-12700.77	3628.62
p3-s1	SLE-R-16	Max P	-13463.63	218.32	-502.02	2.43	-9833.23	4014.31
p3-s1	SLE-R-16	Min P	-17702.58	225.75	-517.49	3.52	-4473.22	4151.75
p3-s1	SLE-R-16	Max M2	-16632.36	224.50	-514.74	6.45	-2376.69	4128.67
p3-s1	SLE-R-16	Min M2	-14691.33	222.35	-507.61	-1.39	-11985.78	4088.94
p3-s1	SLE-R-16	Max M3	-16051.34	241.93	-512.87	6.12	-6714.52	4451.23
p3-s1	SLE-R-16	Min M3	-15725.61	205.61	-511.66	0.89	-7504.12	3779.14
p3-s1	SLE-R-17	Max P	-13756.57	461.99	504.00	7.43	9626.55	8496.93
p3-s1	SLE-R-17	Min P	-15995.52	463.78	511.84	7.20	7007.75	8530.13
p3-s1	SLE-R-17	Max M2	-14352.52	465.27	506.50	9.15	10697.20	8557.58
p3-s1	SLE-R-17	Min M2	-15517.94	464.49	510.88	5.91	5830.49	8543.14
p3-s1	SLE-R-17	Max M3	-15191.57	478.06	509.45	5.40	8179.27	8794.30
p3-s1	SLE-R-17	Min M3	-15110.97	451.35	509.37	8.09	8252.31	8300.07
p3-s1	SLE-R-18	Max P	-13754.07	462.53	511.05	9.50	9776.64	8506.99
p3-s1	SLE-R-18	Min P	-15924.36	466.27	502.86	9.71	12619.52	8576.11
p3-s1	SLE-R-18	Max M2	-15425.75	465.92	503.72	10.88	13601.32	8569.72
p3-s1	SLE-R-18	Min M2	-14370.79	464.97	508.05	7.65	8752.82	8552.05
p3-s1	SLE-R-18	Max M3	-15132.09	475.51	504.90	11.50	11424.55	8747.16
p3-s1	SLE-R-18	Min M3	-15004.41	455.89	505.24	8.50	11037.46	8384.18
p3-s1	SLE-R-19	Max P	-13764.39	452.38	-499.25	7.54	-9526.46	8344.54
p3-s1	SLE-R-19	Min P	-16003.34	454.18	-491.41	7.31	-12145.25	8377.74
p3-s1	SLE-R-19	Max M2	-14360.34	455.66	-496.75	9.26	-8455.81	8405.19
p3-s1	SLE-R-19	Min M2	-15525.76	454.88	-492.36	6.02	-13322.51	8390.75
p3-s1	SLE-R-19	Max M3	-15199.39	468.46	-493.79	5.51	-10973.74	8641.91
p3-s1	SLE-R-19	Min M3	-15118.78	441.74	-493.88	8.20	-10900.69	8147.68
p3-s1	SLE-R-20	Max P	-13761.89	452.93	-492.20	9.60	-9376.37	8354.60
p3-s1	SLE-R-20	Min P	-15932.18	456.66	-500.38	9.81	-6533.49	8423.72
p3-s1	SLE-R-20	Max M2	-15433.57	456.32	-499.52	10.99	-5551.69	8417.32
p3-s1	SLE-R-20	Min M2	-14378.61	455.36	-495.19	7.75	-10400.19	8399.66
p3-s1	SLE-R-20	Max M3	-15139.90	465.91	-498.34	11.60	-7728.46	8594.77
p3-s1	SLE-R-20	Min M3	-15012.23	446.29	-498.00	8.60	-8115.55	8231.79
p3-s1	SLE-R-21	Max P	-13463.43	462.79	504.11	7.36	9423.01	8511.77

p3-s1	SLE-R-21	Min P	-15702.39	464.59	511.95	7.13	6804.22	8544.98
p3-s1	SLE-R-21	Max M2	-14059.39	466.07	506.60	9.08	10493.66	8572.43
p3-s1	SLE-R-21	Min M2	-15224.81	465.29	510.99	5.84	5626.96	8557.98
p3-s1	SLE-R-21	Max M3	-14898.44	478.87	509.56	5.33	7975.74	8809.14
p3-s1	SLE-R-21	Min M3	-14817.83	452.15	509.48	8.02	8048.78	8314.92
p3-s1	SLE-R-22	Max P	-13460.94	463.34	511.16	9.42	9573.10	8521.84
p3-s1	SLE-R-22	Min P	-15631.23	467.07	502.97	9.63	12415.99	8590.96
p3-s1	SLE-R-22	Max M2	-15132.62	466.73	503.83	10.81	13397.79	8584.56
p3-s1	SLE-R-22	Min M2	-14077.66	465.77	508.16	7.57	8549.28	8566.89
p3-s1	SLE-R-22	Max M3	-14838.95	476.32	505.01	11.42	11221.01	8762.00
p3-s1	SLE-R-22	Min M3	-14711.28	456.70	505.35	8.42	10833.93	8399.02
p3-s1	SLE-R-23	Max P	-13471.25	453.19	-499.14	7.46	-9730.00	8359.38
p3-s1	SLE-R-23	Min P	-15710.20	454.98	-491.30	7.23	-12348.79	8392.58
p3-s1	SLE-R-23	Max M2	-14067.21	456.46	-496.64	9.18	-8659.34	8420.04
p3-s1	SLE-R-23	Min M2	-15232.63	455.68	-492.25	5.94	-13526.05	8405.59
p3-s1	SLE-R-23	Max M3	-14906.26	469.26	-493.68	5.43	-11177.27	8656.75
p3-s1	SLE-R-23	Min M3	-14825.65	442.54	-493.77	8.12	-11104.23	8162.53
p3-s1	SLE-R-24	Max P	-13468.76	453.73	-492.09	9.52	-9579.91	8369.44
p3-s1	SLE-R-24	Min P	-15639.05	457.47	-500.27	9.74	-6737.02	8438.57
p3-s1	SLE-R-24	Max M2	-15140.44	457.12	-499.42	10.91	-5755.22	8432.17
p3-s1	SLE-R-24	Min M2	-14085.48	456.17	-495.08	7.68	-10603.73	8414.50
p3-s1	SLE-R-24	Max M3	-14846.77	466.71	-498.23	11.52	-7931.99	8609.61
p3-s1	SLE-R-24	Min M3	-14719.09	447.09	-497.89	8.53	-8319.08	8246.63
p3-s1	SLE-R-25	Max P	-13904.18	460.23	503.90	7.40	9607.61	8464.34
p3-s1	SLE-R-25	Min P	-16143.13	462.02	511.74	7.17	6988.82	8497.54
p3-s1	SLE-R-25	Max M2	-14500.13	463.51	506.40	9.12	10678.26	8525.00
p3-s1	SLE-R-25	Min M2	-15665.55	462.73	510.78	5.88	5811.55	8510.55
p3-s1	SLE-R-25	Max M3	-15339.18	476.30	509.36	5.37	8160.33	8761.71
p3-s1	SLE-R-25	Min M3	-15258.58	449.59	509.27	8.06	8233.37	8267.49
p3-s1	SLE-R-26	Max P	-13901.69	460.77	510.95	9.46	9757.70	8474.40
p3-s1	SLE-R-26	Min P	-16071.98	464.51	502.76	9.67	12600.58	8543.53
p3-s1	SLE-R-26	Max M2	-15573.36	464.16	503.62	10.85	13582.38	8537.13
p3-s1	SLE-R-26	Min M2	-14518.40	463.21	507.95	7.61	8733.88	8519.46
p3-s1	SLE-R-26	Max M3	-15279.70	473.75	504.80	11.46	11405.61	8714.57
p3-s1	SLE-R-26	Min M3	-15152.02	454.13	505.14	8.47	11018.52	8351.59
p3-s1	SLE-R-27	Max P	-13912.00	450.62	-499.35	7.50	-9545.40	8311.95
p3-s1	SLE-R-27	Min P	-16150.95	452.42	-491.51	7.27	-12164.19	8345.15
p3-s1	SLE-R-27	Max M2	-14507.95	453.90	-496.85	9.22	-8474.75	8372.61
p3-s1	SLE-R-27	Min M2	-15673.37	453.12	-492.46	5.98	-13341.45	8358.16
p3-s1	SLE-R-27	Max M3	-15347.00	466.70	-493.89	5.47	-10992.67	8609.32
p3-s1	SLE-R-27	Min M3	-15266.39	439.98	-493.98	8.16	-10919.63	8115.09
p3-s1	SLE-R-28	Max P	-13909.50	451.17	-492.30	9.56	-9395.31	8322.01
p3-s1	SLE-R-28	Min P	-16079.79	454.90	-500.48	9.78	-6552.43	8391.14
p3-s1	SLE-R-28	Max M2	-15581.18	454.56	-499.62	10.95	-5570.62	8384.74
p3-s1	SLE-R-28	Min M2	-14526.22	453.60	-495.29	7.72	-10419.13	8367.07
p3-s1	SLE-R-28	Max M3	-15287.52	464.15	-498.44	11.56	-7747.40	8562.18
p3-s1	SLE-R-28	Min M3	-15159.84	444.53	-498.10	8.57	-8134.49	8199.20
p3-s1	SLE-R-29	Max P	-13611.04	461.03	504.01	7.32	9404.07	8479.18
p3-s1	SLE-R-29	Min P	-15850.00	462.82	511.85	7.09	6785.28	8512.39
p3-s1	SLE-R-29	Max M2	-14207.00	464.31	506.50	9.04	10474.72	8539.84
p3-s1	SLE-R-29	Min M2	-15372.42	463.53	510.89	5.80	5608.02	8525.40

p3-s1	SLE-R-29	Max M3	-15046.05	477.10	509.46	5.29	7956.80	8776.56
p3-s1	SLE-R-29	Min M3	-14965.44	450.39	509.38	7.98	8029.84	8282.33
p3-s1	SLE-R-30	Max P	-13608.55	461.57	511.06	9.38	9554.16	8489.25
p3-s1	SLE-R-30	Min P	-15778.84	465.31	502.87	9.60	12397.05	8558.37
p3-s1	SLE-R-30	Max M2	-15280.23	464.96	503.73	10.77	13378.85	8551.97
p3-s1	SLE-R-30	Min M2	-14225.27	464.01	508.06	7.54	8530.34	8534.31
p3-s1	SLE-R-30	Max M3	-14986.56	474.56	504.91	11.38	11202.08	8729.41
p3-s1	SLE-R-30	Min M3	-14858.89	454.94	505.25	8.39	10814.99	8366.44
p3-s1	SLE-R-31	Max P	-13618.86	451.42	-499.24	7.43	-9748.93	8326.79
p3-s1	SLE-R-31	Min P	-15857.82	453.22	-491.40	7.20	-12367.73	8360.00
p3-s1	SLE-R-31	Max M2	-14214.82	454.70	-496.74	9.15	-8678.28	8387.45
p3-s1	SLE-R-31	Min M2	-15380.24	453.92	-492.35	5.90	-13544.99	8373.01
p3-s1	SLE-R-31	Max M3	-15053.87	467.50	-493.78	5.40	-11196.21	8624.16
p3-s1	SLE-R-31	Min M3	-14973.26	440.78	-493.87	8.08	-11123.17	8129.94
p3-s1	SLE-R-32	Max P	-13616.37	451.97	-492.19	9.49	-9598.84	8336.86
p3-s1	SLE-R-32	Min P	-15786.66	455.70	-500.37	9.70	-6755.96	8405.98
p3-s1	SLE-R-32	Max M2	-15288.05	455.36	-499.52	10.88	-5774.16	8399.58
p3-s1	SLE-R-32	Min M2	-14233.09	454.40	-495.18	7.64	-10622.66	8381.92
p3-s1	SLE-R-32	Max M3	-14994.38	464.95	-498.33	11.49	-7950.93	8577.02
p3-s1	SLE-R-32	Min M3	-14866.70	445.33	-497.99	8.49	-8338.02	8214.05
p3-s1	SLE-R-33	Max P	-13778.76	-1.48	478.01	-8.38	9073.90	-77.27
p3-s1	SLE-R-33	Min P	-16017.71	0.31	485.84	-8.61	6455.11	-44.07
p3-s1	SLE-R-33	Max M2	-14374.71	1.80	480.50	-6.66	10144.55	-16.62
p3-s1	SLE-R-33	Min M2	-15540.13	1.02	484.89	-9.91	5277.85	-31.06
p3-s1	SLE-R-33	Max M3	-15213.76	14.59	483.46	-10.41	7626.63	220.10
p3-s1	SLE-R-33	Min M3	-15133.16	-12.12	483.38	-7.72	7699.67	-274.13
p3-s1	SLE-R-34	Max P	-13776.26	-0.94	485.06	-6.32	9223.99	-67.21
p3-s1	SLE-R-34	Min P	-15946.56	2.80	476.87	-6.11	12066.88	1.91
p3-s1	SLE-R-34	Max M2	-15447.94	2.45	477.73	-4.93	13048.68	-4.48
p3-s1	SLE-R-34	Min M2	-14392.98	1.50	482.06	-8.17	8200.17	-22.15
p3-s1	SLE-R-34	Max M3	-15154.28	12.04	478.91	-4.32	10871.90	172.96
p3-s1	SLE-R-34	Min M3	-15026.60	-7.58	479.25	-7.32	10484.82	-190.02
p3-s1	SLE-R-35	Max P	-13786.58	-11.09	-525.24	-8.28	-10079.10	-229.66
p3-s1	SLE-R-35	Min P	-16025.53	-9.29	-517.40	-8.51	-12697.90	-196.46
p3-s1	SLE-R-35	Max M2	-14382.53	-7.81	-522.74	-6.56	-9008.45	-169.01
p3-s1	SLE-R-35	Min M2	-15547.95	-8.59	-518.36	-9.80	-13875.16	-183.45
p3-s1	SLE-R-35	Max M3	-15221.58	4.99	-519.78	-10.31	-11526.38	67.71
p3-s1	SLE-R-35	Min M3	-15140.97	-21.73	-519.87	-7.62	-11453.34	-426.52
p3-s1	SLE-R-36	Max P	-13784.08	-10.54	-518.19	-6.22	-9929.01	-219.60
p3-s1	SLE-R-36	Min P	-15954.37	-6.81	-526.37	-6.01	-7086.13	-150.48
p3-s1	SLE-R-36	Max M2	-15455.76	-7.15	-525.52	-4.83	-6104.33	-156.88
p3-s1	SLE-R-36	Min M2	-14400.80	-8.11	-521.18	-8.06	-10952.83	-174.54
p3-s1	SLE-R-36	Max M3	-15162.10	2.44	-524.33	-4.22	-8281.10	20.57
p3-s1	SLE-R-36	Min M3	-15034.42	-17.18	-523.99	-7.21	-8668.19	-342.41
p3-s1	SLE-R-37	Max P	-13485.62	-0.68	478.12	-8.46	8870.37	-62.43
p3-s1	SLE-R-37	Min P	-15724.58	1.12	485.95	-8.69	6251.58	-29.22
p3-s1	SLE-R-37	Max M2	-14081.58	2.60	480.61	-6.74	9941.02	-1.77
p3-s1	SLE-R-37	Min M2	-15247.00	1.82	485.00	-9.98	5074.32	-16.22
p3-s1	SLE-R-37	Max M3	-14920.63	15.40	483.57	-10.49	7423.09	234.94
p3-s1	SLE-R-37	Min M3	-14840.02	-11.32	483.49	-7.80	7496.14	-259.28
p3-s1	SLE-R-38	Max P	-13483.13	-0.14	485.16	-6.40	9020.46	-52.36

p3-s1	SLE-R-38	Min P	-15653.42	3.60	476.98	-6.19	11863.34	16.76
p3-s1	SLE-R-38	Max M2	-15154.81	3.26	477.84	-5.01	12845.14	10.36
p3-s1	SLE-R-38	Min M2	-14099.85	2.30	482.17	-8.25	7996.64	-7.31
p3-s1	SLE-R-38	Max M3	-14861.14	12.85	479.02	-4.40	10668.37	187.80
p3-s1	SLE-R-38	Min M3	-14733.47	-6.77	479.36	-7.39	10281.28	-175.18
p3-s1	SLE-R-39	Max P	-13493.44	-10.29	-525.13	-8.36	-10282.64	-214.82
p3-s1	SLE-R-39	Min P	-15732.39	-8.49	-517.29	-8.59	-12901.43	-181.62
p3-s1	SLE-R-39	Max M2	-14089.40	-7.01	-522.63	-6.64	-9211.99	-154.16
p3-s1	SLE-R-39	Min M2	-15254.82	-7.79	-518.25	-9.88	-14078.69	-168.61
p3-s1	SLE-R-39	Max M3	-14928.45	5.79	-519.67	-10.39	-11729.91	82.55
p3-s1	SLE-R-39	Min M3	-14847.84	-20.93	-519.76	-7.70	-11656.87	-411.67
p3-s1	SLE-R-40	Max P	-13490.95	-9.74	-518.08	-6.30	-10132.55	-204.76
p3-s1	SLE-R-40	Min P	-15661.24	-6.01	-526.27	-6.08	-7289.66	-135.63
p3-s1	SLE-R-40	Max M2	-15162.63	-6.35	-525.41	-4.91	-6307.86	-142.03
p3-s1	SLE-R-40	Min M2	-14107.67	-7.31	-521.07	-8.14	-11156.37	-159.70
p3-s1	SLE-R-40	Max M3	-14868.96	3.24	-524.22	-4.30	-8484.64	35.41
p3-s1	SLE-R-40	Min M3	-14741.28	-16.38	-523.89	-7.29	-8871.72	-327.57
p3-s1	SLE-R-41	Max P	-13926.37	-3.24	477.91	-8.42	9054.96	-109.86
p3-s1	SLE-R-41	Min P	-16165.32	-1.45	485.74	-8.65	6436.17	-76.66
p3-s1	SLE-R-41	Max M2	-14522.32	0.04	480.40	-6.70	10125.62	-49.20
p3-s1	SLE-R-41	Min M2	-15687.74	-0.75	484.79	-9.94	5258.91	-63.65
p3-s1	SLE-R-41	Max M3	-15361.37	12.83	483.36	-10.45	7607.69	187.51
p3-s1	SLE-R-41	Min M3	-15280.77	-13.88	483.28	-7.76	7680.73	-306.71
p3-s1	SLE-R-42	Max P	-13923.88	-2.70	484.96	-6.36	9205.05	-99.80
p3-s1	SLE-R-42	Min P	-16094.17	1.04	476.77	-6.14	12047.94	-30.67
p3-s1	SLE-R-42	Max M2	-15595.55	0.69	477.63	-4.97	13029.74	-37.07
p3-s1	SLE-R-42	Min M2	-14540.60	-0.26	481.96	-8.20	8181.23	-54.74
p3-s1	SLE-R-42	Max M3	-15301.89	10.28	478.81	-4.36	10852.97	140.37
p3-s1	SLE-R-42	Min M3	-15174.21	-9.34	479.15	-7.35	10465.88	-222.61
p3-s1	SLE-R-43	Max P	-13934.19	-12.85	-525.34	-8.32	-10098.04	-262.25
p3-s1	SLE-R-43	Min P	-16173.14	-11.05	-517.50	-8.55	-12716.83	-229.05
p3-s1	SLE-R-43	Max M2	-14530.14	-9.57	-522.84	-6.59	-9027.39	-201.60
p3-s1	SLE-R-43	Min M2	-15695.56	-10.35	-518.46	-9.84	-13894.10	-216.04
p3-s1	SLE-R-43	Max M3	-15369.19	3.23	-519.88	-10.35	-11545.32	35.12
p3-s1	SLE-R-43	Min M3	-15288.58	-23.49	-519.97	-7.66	-11472.28	-459.11
p3-s1	SLE-R-44	Max P	-13931.69	-12.31	-518.29	-6.25	-9947.95	-252.19
p3-s1	SLE-R-44	Min P	-16101.98	-8.57	-526.47	-6.04	-7105.07	-183.06
p3-s1	SLE-R-44	Max M2	-15603.37	-8.91	-525.62	-4.87	-6123.27	-189.46
p3-s1	SLE-R-44	Min M2	-14548.41	-9.87	-521.28	-8.10	-10971.77	-207.13
p3-s1	SLE-R-44	Max M3	-15309.71	0.68	-524.43	-4.25	-8300.04	-12.02
p3-s1	SLE-R-44	Min M3	-15182.03	-18.94	-524.09	-7.25	-8687.13	-375.00
p3-s1	SLE-R-45	Max P	-13633.23	-2.44	478.02	-8.50	8851.43	-95.02
p3-s1	SLE-R-45	Min P	-15872.19	-0.65	485.85	-8.73	6232.64	-61.81
p3-s1	SLE-R-45	Max M2	-14229.19	0.84	480.51	-6.78	9922.08	-34.36
p3-s1	SLE-R-45	Min M2	-15394.61	0.06	484.90	-10.02	5055.38	-48.80
p3-s1	SLE-R-45	Max M3	-15068.24	13.63	483.47	-10.53	7404.16	202.36
p3-s1	SLE-R-45	Min M3	-14987.63	-13.08	483.39	-7.84	7477.20	-291.87
p3-s1	SLE-R-46	Max P	-13630.74	-1.90	485.06	-6.43	9001.52	-84.95
p3-s1	SLE-R-46	Min P	-15801.03	1.84	476.88	-6.22	11844.41	-15.83
p3-s1	SLE-R-46	Max M2	-15302.42	1.49	477.74	-5.05	12826.21	-22.23
p3-s1	SLE-R-46	Min M2	-14247.46	0.54	482.07	-8.28	7977.70	-39.89

p3-s1	SLE-R-46	Max M3	-15008.75	11.09	478.92	-4.43	10649.43	155.21
p3-s1	SLE-R-46	Min M3	-14881.08	-8.54	479.26	-7.43	10262.34	-207.76
p3-s1	SLE-R-47	Max P	-13641.05	-12.05	-525.23	-8.39	-10301.58	-247.41
p3-s1	SLE-R-47	Min P	-15880.01	-10.25	-517.39	-8.62	-12920.37	-214.20
p3-s1	SLE-R-47	Max M2	-14237.01	-8.77	-522.73	-6.67	-9230.93	-186.75
p3-s1	SLE-R-47	Min M2	-15402.43	-9.55	-518.35	-9.91	-14097.63	-201.19
p3-s1	SLE-R-47	Max M3	-15076.06	4.03	-519.77	-10.42	-11748.85	49.96
p3-s1	SLE-R-47	Min M3	-14995.45	-22.69	-519.86	-7.73	-11675.81	-444.26
p3-s1	SLE-R-48	Max P	-13638.56	-11.50	-518.18	-6.33	-10151.49	-237.34
p3-s1	SLE-R-48	Min P	-15808.85	-7.77	-526.36	-6.12	-7308.60	-168.22
p3-s1	SLE-R-48	Max M2	-15310.24	-8.11	-525.51	-4.94	-6326.80	-174.62
p3-s1	SLE-R-48	Min M2	-14255.28	-9.07	-521.17	-8.18	-11175.31	-192.28
p3-s1	SLE-R-48	Max M3	-15016.57	1.48	-524.32	-4.33	-8503.58	2.82
p3-s1	SLE-R-48	Min M3	-14888.89	-18.14	-523.99	-7.33	-8890.66	-360.16
p3-s1	SLE-R-49	Max P	-13767.74	227.41	477.36	-7.60	9071.76	4157.31
p3-s1	SLE-R-49	Min P	-16006.69	229.21	485.20	-7.83	6452.97	4190.51
p3-s1	SLE-R-49	Max M2	-14363.70	230.69	479.86	-5.88	10142.41	4217.96
p3-s1	SLE-R-49	Min M2	-15529.12	229.91	484.24	-9.12	5275.71	4203.52
p3-s1	SLE-R-49	Max M3	-15202.75	243.49	482.82	-9.63	7624.49	4454.68
p3-s1	SLE-R-49	Min M3	-15122.14	216.77	482.73	-6.94	7697.53	3960.45
p3-s1	SLE-R-50	Max P	-13765.25	227.96	484.41	-5.53	9221.85	4167.37
p3-s1	SLE-R-50	Min P	-15935.54	231.70	476.22	-5.32	12064.74	4236.49
p3-s1	SLE-R-50	Max M2	-15436.93	231.35	477.08	-4.15	13046.54	4230.09
p3-s1	SLE-R-50	Min M2	-14381.97	230.39	481.42	-7.38	8198.03	4212.43
p3-s1	SLE-R-50	Max M3	-15143.26	240.94	478.27	-3.53	10869.76	4407.54
p3-s1	SLE-R-50	Min M3	-15015.58	221.32	478.60	-6.53	10482.67	4044.56
p3-s1	SLE-R-51	Max P	-13775.56	217.81	-525.88	-7.49	-10081.25	4004.91
p3-s1	SLE-R-51	Min P	-16014.51	219.60	-518.05	-7.72	-12700.04	4038.12
p3-s1	SLE-R-51	Max M2	-14371.52	221.09	-523.39	-5.77	-9010.59	4065.57
p3-s1	SLE-R-51	Min M2	-15536.94	220.31	-519.00	-9.01	-13877.30	4051.13
p3-s1	SLE-R-51	Max M3	-15210.57	233.88	-520.43	-9.52	-11528.52	4302.29
p3-s1	SLE-R-51	Min M3	-15129.96	207.17	-520.52	-6.83	-11455.48	3808.06
p3-s1	SLE-R-52	Max P	-13773.07	218.35	-518.84	-5.43	-9931.16	4014.98
p3-s1	SLE-R-52	Min P	-15943.36	222.09	-527.02	-5.22	-7088.27	4084.10
p3-s1	SLE-R-52	Max M2	-15444.75	221.74	-526.16	-4.04	-6106.47	4077.70
p3-s1	SLE-R-52	Min M2	-14389.79	220.79	-521.83	-7.28	-10954.98	4060.04
p3-s1	SLE-R-52	Max M3	-15151.08	231.34	-524.98	-3.43	-8283.24	4255.15
p3-s1	SLE-R-52	Min M3	-15023.40	211.71	-524.64	-6.43	-8670.33	3892.17
p3-s1	SLE-R-53	Max P	-13474.61	228.22	477.47	-7.67	8868.23	4172.15
p3-s1	SLE-R-53	Min P	-15713.56	230.01	485.31	-7.90	6249.44	4205.35
p3-s1	SLE-R-53	Max M2	-14070.56	231.50	479.97	-5.95	9938.88	4232.81
p3-s1	SLE-R-53	Min M2	-15235.98	230.72	484.35	-9.19	5072.17	4218.36
p3-s1	SLE-R-53	Max M3	-14909.61	244.29	482.93	-9.70	7420.95	4469.52
p3-s1	SLE-R-53	Min M3	-14829.01	217.58	482.84	-7.01	7493.99	3975.30
p3-s1	SLE-R-54	Max P	-13472.12	228.76	484.52	-5.61	9018.32	4182.21
p3-s1	SLE-R-54	Min P	-15642.41	232.50	476.33	-5.40	11861.20	4251.34
p3-s1	SLE-R-54	Max M2	-15143.79	232.15	477.19	-4.22	12843.00	4244.94
p3-s1	SLE-R-54	Min M2	-14088.83	231.20	481.53	-7.46	7994.50	4227.27
p3-s1	SLE-R-54	Max M3	-14850.13	241.74	478.37	-3.61	10666.23	4422.38
p3-s1	SLE-R-54	Min M3	-14722.45	222.12	478.71	-6.61	10279.14	4059.40
p3-s1	SLE-R-55	Max P	-13482.43	218.61	-525.77	-7.57	-10284.78	4019.76

p3-s1	SLE-R-55	Min P	-15721.38	220.41	-517.94	-7.80	-12903.57	4052.96
p3-s1	SLE-R-55	Max M2	-14078.38	221.89	-523.28	-5.85	-9214.13	4080.42
p3-s1	SLE-R-55	Min M2	-15243.80	221.11	-518.89	-9.09	-14080.83	4065.97
p3-s1	SLE-R-55	Max M3	-14917.43	234.69	-520.32	-9.60	-11732.05	4317.13
p3-s1	SLE-R-55	Min M3	-14836.82	207.97	-520.41	-6.91	-11659.01	3822.91
p3-s1	SLE-R-56	Max P	-13479.93	219.16	-518.73	-5.51	-10134.69	4029.82
p3-s1	SLE-R-56	Min P	-15650.22	222.89	-526.91	-5.29	-7291.81	4098.95
p3-s1	SLE-R-56	Max M2	-15151.61	222.55	-526.05	-4.12	-6310.00	4092.55
p3-s1	SLE-R-56	Min M2	-14096.65	221.59	-521.72	-7.35	-11158.51	4074.88
p3-s1	SLE-R-56	Max M3	-14857.95	232.14	-524.87	-3.51	-8486.78	4269.99
p3-s1	SLE-R-56	Min M3	-14730.27	212.52	-524.53	-6.50	-8873.87	3907.01
p3-s1	SLE-R-57	Max P	-13915.35	225.65	477.26	-7.63	9052.82	4124.72
p3-s1	SLE-R-57	Min P	-16154.31	227.45	485.10	-7.86	6434.03	4157.92
p3-s1	SLE-R-57	Max M2	-14511.31	228.93	479.76	-5.91	10123.47	4185.38
p3-s1	SLE-R-57	Min M2	-15676.73	228.15	484.14	-9.15	5256.77	4170.93
p3-s1	SLE-R-57	Max M3	-15350.36	241.73	482.72	-9.66	7605.55	4422.09
p3-s1	SLE-R-57	Min M3	-15269.75	215.01	482.63	-6.97	7678.59	3927.86
p3-s1	SLE-R-58	Max P	-13912.86	226.20	484.31	-5.57	9202.91	4134.78
p3-s1	SLE-R-58	Min P	-16083.15	229.93	476.12	-5.36	12045.80	4203.91
p3-s1	SLE-R-58	Max M2	-15584.54	229.59	476.98	-4.18	13027.60	4197.51
p3-s1	SLE-R-58	Min M2	-14529.58	228.63	481.32	-7.42	8179.09	4179.84
p3-s1	SLE-R-58	Max M3	-15290.87	239.18	478.17	-3.57	10850.82	4374.95
p3-s1	SLE-R-58	Min M3	-15163.19	219.56	478.50	-6.56	10463.74	4011.97
p3-s1	SLE-R-59	Max P	-13923.17	216.05	-525.98	-7.53	-10100.18	3972.33
p3-s1	SLE-R-59	Min P	-16162.12	217.84	-518.15	-7.76	-12718.98	4005.53
p3-s1	SLE-R-59	Max M2	-14519.13	219.33	-523.49	-5.81	-9029.53	4032.98
p3-s1	SLE-R-59	Min M2	-15684.55	218.55	-519.10	-9.05	-13896.24	4018.54
p3-s1	SLE-R-59	Max M3	-15358.18	232.12	-520.53	-9.56	-11547.46	4269.70
p3-s1	SLE-R-59	Min M3	-15277.57	205.41	-520.61	-6.87	-11474.42	3775.47
p3-s1	SLE-R-60	Max P	-13920.68	216.59	-518.94	-5.47	-9950.09	3982.39
p3-s1	SLE-R-60	Min P	-16090.97	220.33	-527.12	-5.25	-7107.21	4051.52
p3-s1	SLE-R-60	Max M2	-15592.36	219.98	-526.26	-4.08	-6125.41	4045.12
p3-s1	SLE-R-60	Min M2	-14537.40	219.03	-521.93	-7.31	-10973.91	4027.45
p3-s1	SLE-R-60	Max M3	-15298.69	229.57	-525.08	-3.47	-8302.18	4222.56
p3-s1	SLE-R-60	Min M3	-15171.01	209.95	-524.74	-6.46	-8689.27	3859.58
p3-s1	SLE-R-61	Max P	-13622.22	226.46	477.37	-7.71	8849.29	4139.56
p3-s1	SLE-R-61	Min P	-15861.17	228.25	485.21	-7.94	6230.50	4172.77
p3-s1	SLE-R-61	Max M2	-14218.17	229.73	479.87	-5.99	9919.94	4200.22
p3-s1	SLE-R-61	Min M2	-15383.59	228.95	484.25	-9.23	5053.24	4185.78
p3-s1	SLE-R-61	Max M3	-15057.22	242.53	482.83	-9.74	7402.02	4436.93
p3-s1	SLE-R-61	Min M3	-14976.62	215.81	482.74	-7.05	7475.06	3942.71
p3-s1	SLE-R-62	Max P	-13619.73	227.00	484.42	-5.65	8999.38	4149.63
p3-s1	SLE-R-62	Min P	-15790.02	230.74	476.23	-5.43	11842.26	4218.75
p3-s1	SLE-R-62	Max M2	-15291.40	230.39	477.09	-4.26	12824.06	4212.35
p3-s1	SLE-R-62	Min M2	-14236.45	229.44	481.43	-7.49	7975.56	4194.69
p3-s1	SLE-R-62	Max M3	-14997.74	239.98	478.28	-3.65	10647.29	4389.79
p3-s1	SLE-R-62	Min M3	-14870.06	220.36	478.61	-6.64	10260.20	4026.82
p3-s1	SLE-R-63	Max P	-13630.04	216.85	-525.87	-7.60	-10303.72	3987.17
p3-s1	SLE-R-63	Min P	-15868.99	218.64	-518.04	-7.83	-12922.51	4020.38
p3-s1	SLE-R-63	Max M2	-14225.99	220.13	-523.38	-5.88	-9233.07	4047.83
p3-s1	SLE-R-63	Min M2	-15391.41	219.35	-518.99	-9.13	-14099.77	4033.39

p3-s1	SLE-R-63	Max M3	-15065.04	232.92	-520.42	-9.63	-11750.99	4284.54
p3-s1	SLE-R-63	Min M3	-14984.43	206.21	-520.51	-6.95	-11677.95	3790.32
p3-s1	SLE-R-64	Max P	-13627.54	217.39	-518.83	-5.54	-10153.63	3997.24
p3-s1	SLE-R-64	Min P	-15797.83	221.13	-527.01	-5.33	-7310.74	4066.36
p3-s1	SLE-R-64	Max M2	-15299.22	220.78	-526.15	-4.15	-6328.94	4059.96
p3-s1	SLE-R-64	Min M2	-14244.26	219.83	-521.82	-7.39	-11177.45	4042.29
p3-s1	SLE-R-64	Max M3	-15005.56	230.38	-524.97	-3.54	-8505.72	4237.40
p3-s1	SLE-R-64	Min M3	-14877.88	210.76	-524.63	-6.54	-8892.80	3874.42
p3-s1	SLE-R-65	Max P	-13769.30	226.85	364.86	-17.04	6686.05	4146.77
p3-s1	SLE-R-65	Min P	-16008.25	228.64	372.70	-17.27	4067.26	4179.97
p3-s1	SLE-R-65	Max M2	-14365.25	230.12	367.36	-15.31	7756.71	4207.42
p3-s1	SLE-R-65	Min M2	-15530.67	229.34	371.74	-18.56	2890.00	4192.98
p3-s1	SLE-R-65	Max M3	-15204.30	242.92	370.32	-19.07	5238.78	4444.14
p3-s1	SLE-R-65	Min M3	-15123.70	216.20	370.23	-16.38	5311.82	3949.91
p3-s1	SLE-R-66	Max P	-13766.80	227.39	371.91	-14.97	6836.14	4156.83
p3-s1	SLE-R-66	Min P	-15937.10	231.13	363.73	-14.76	9679.03	4225.95
p3-s1	SLE-R-66	Max M2	-15438.48	230.78	364.58	-13.59	10660.83	4219.56
p3-s1	SLE-R-66	Min M2	-14383.52	229.82	368.92	-16.82	5812.32	4201.89
p3-s1	SLE-R-66	Max M3	-15144.82	240.37	365.77	-12.97	8484.06	4397.00
p3-s1	SLE-R-66	Min M3	-15017.14	220.75	366.11	-15.97	8096.97	4034.02
p3-s1	SLE-R-67	Max P	-13777.12	217.24	-638.38	-16.93	-12466.95	3994.38
p3-s1	SLE-R-67	Min P	-16016.07	219.03	-630.54	-17.16	-15085.74	4027.58
p3-s1	SLE-R-67	Max M2	-14373.07	220.52	-635.88	-15.21	-11396.30	4055.03
p3-s1	SLE-R-67	Min M2	-15538.49	219.74	-631.50	-18.45	-16263.01	4040.59
p3-s1	SLE-R-67	Max M3	-15212.12	233.31	-632.92	-18.96	-13914.23	4291.75
p3-s1	SLE-R-67	Min M3	-15131.51	206.60	-633.01	-16.27	-13841.19	3797.52
p3-s1	SLE-R-68	Max P	-13774.62	217.78	-631.33	-14.87	-12316.86	4004.44
p3-s1	SLE-R-68	Min P	-15944.91	221.52	-639.52	-14.66	-9473.98	4073.56
p3-s1	SLE-R-68	Max M2	-15446.30	221.17	-638.66	-13.48	-8492.18	4067.16
p3-s1	SLE-R-68	Min M2	-14391.34	220.22	-634.32	-16.72	-13340.68	4049.50
p3-s1	SLE-R-68	Max M3	-15152.64	230.77	-637.48	-12.87	-10668.95	4244.61
p3-s1	SLE-R-68	Min M3	-15024.96	211.14	-637.14	-15.86	-11056.04	3881.63
p3-s1	SLE-R-69	Max P	-13476.16	227.65	364.97	-17.11	6482.52	4161.61
p3-s1	SLE-R-69	Min P	-15715.12	229.44	372.81	-17.34	3863.73	4194.82
p3-s1	SLE-R-69	Max M2	-14072.12	230.93	367.47	-15.39	7553.17	4222.27
p3-s1	SLE-R-69	Min M2	-15237.54	230.15	371.85	-18.63	2686.47	4207.82
p3-s1	SLE-R-69	Max M3	-14911.17	243.72	370.43	-19.14	5035.25	4458.98
p3-s1	SLE-R-69	Min M3	-14830.56	217.01	370.34	-16.45	5108.29	3964.76
p3-s1	SLE-R-70	Max P	-13473.67	228.19	372.02	-15.05	6632.61	4171.68
p3-s1	SLE-R-70	Min P	-15643.96	231.93	363.83	-14.84	9475.49	4240.80
p3-s1	SLE-R-70	Max M2	-15145.35	231.58	364.69	-13.66	10457.30	4234.40
p3-s1	SLE-R-70	Min M2	-14090.39	230.63	369.03	-16.90	5608.79	4216.73
p3-s1	SLE-R-70	Max M3	-14851.68	241.17	365.88	-13.05	8280.52	4411.84
p3-s1	SLE-R-70	Min M3	-14724.01	221.55	366.21	-16.05	7893.43	4048.86
p3-s1	SLE-R-71	Max P	-13483.98	218.04	-638.27	-17.01	-12670.49	4009.22
p3-s1	SLE-R-71	Min P	-15722.93	219.84	-630.43	-17.24	-15289.28	4042.42
p3-s1	SLE-R-71	Max M2	-14079.94	221.32	-635.78	-15.29	-11599.84	4069.88
p3-s1	SLE-R-71	Min M2	-15245.36	220.54	-631.39	-18.53	-16466.54	4055.43
p3-s1	SLE-R-71	Max M3	-14918.99	234.12	-632.82	-19.04	-14117.76	4306.59
p3-s1	SLE-R-71	Min M3	-14838.38	207.40	-632.90	-16.35	-14044.72	3812.37
p3-s1	SLE-R-72	Max P	-13481.49	218.59	-631.22	-14.95	-12520.40	4019.28

p3-s1	SLE-R-72	Min P	-15651.78	222.32	-639.41	-14.73	-9677.51	4088.41
p3-s1	SLE-R-72	Max M2	-15153.17	221.98	-638.55	-13.56	-8695.71	4082.01
p3-s1	SLE-R-72	Min M2	-14098.21	221.02	-634.22	-16.79	-13544.22	4064.34
p3-s1	SLE-R-72	Max M3	-14859.50	231.57	-637.37	-12.95	-10872.49	4259.45
p3-s1	SLE-R-72	Min M3	-14731.82	211.95	-637.03	-15.94	-11259.57	3896.47
p3-s1	SLE-R-73	Max P	-13916.91	225.08	364.76	-17.07	6667.12	4114.18
p3-s1	SLE-R-73	Min P	-16155.86	226.88	372.60	-17.30	4048.33	4147.38
p3-s1	SLE-R-73	Max M2	-14512.86	228.36	367.26	-15.35	7737.77	4174.84
p3-s1	SLE-R-73	Min M2	-15678.28	227.58	371.65	-18.59	2871.06	4160.39
p3-s1	SLE-R-73	Max M3	-15351.91	241.16	370.22	-19.10	5219.84	4411.55
p3-s1	SLE-R-73	Min M3	-15271.31	214.44	370.13	-16.41	5292.88	3917.33
p3-s1	SLE-R-74	Max P	-13914.42	225.63	371.81	-15.01	6817.21	4124.24
p3-s1	SLE-R-74	Min P	-16084.71	229.36	363.63	-14.79	9660.09	4193.37
p3-s1	SLE-R-74	Max M2	-15586.09	229.02	364.48	-13.62	10641.89	4186.97
p3-s1	SLE-R-74	Min M2	-14531.14	228.06	368.82	-16.85	5793.39	4169.30
p3-s1	SLE-R-74	Max M3	-15292.43	238.61	365.67	-13.01	8465.12	4364.41
p3-s1	SLE-R-74	Min M3	-15164.75	218.99	366.01	-16.00	8078.03	4001.43
p3-s1	SLE-R-75	Max P	-13924.73	215.48	-638.48	-16.97	-12485.89	3961.79
p3-s1	SLE-R-75	Min P	-16163.68	217.27	-630.64	-17.20	-15104.68	3994.99
p3-s1	SLE-R-75	Max M2	-14520.68	218.76	-635.98	-15.25	-11415.24	4022.45
p3-s1	SLE-R-75	Min M2	-15686.10	217.98	-631.60	-18.49	-16281.94	4008.00
p3-s1	SLE-R-75	Max M3	-15359.73	231.55	-633.02	-19.00	-13933.16	4259.16
p3-s1	SLE-R-75	Min M3	-15279.12	204.84	-633.11	-16.31	-13860.12	3764.93
p3-s1	SLE-R-76	Max P	-13922.23	216.02	-631.43	-14.91	-12335.80	3971.85
p3-s1	SLE-R-76	Min P	-16092.52	219.76	-639.62	-14.69	-9492.92	4040.98
p3-s1	SLE-R-76	Max M2	-15593.91	219.41	-638.76	-13.52	-8511.11	4034.58
p3-s1	SLE-R-76	Min M2	-14538.95	218.46	-634.42	-16.75	-13359.62	4016.91
p3-s1	SLE-R-76	Max M3	-15300.25	229.00	-637.58	-12.90	-10687.89	4212.02
p3-s1	SLE-R-76	Min M3	-15172.57	209.38	-637.24	-15.90	-11074.98	3849.04
p3-s1	SLE-R-77	Max P	-13623.77	225.89	364.87	-17.15	6463.58	4129.02
p3-s1	SLE-R-77	Min P	-15862.73	227.68	372.71	-17.38	3844.79	4162.23
p3-s1	SLE-R-77	Max M2	-14219.73	229.16	367.37	-15.43	7534.23	4189.68
p3-s1	SLE-R-77	Min M2	-15385.15	228.38	371.75	-18.67	2667.53	4175.24
p3-s1	SLE-R-77	Max M3	-15058.78	241.96	370.33	-19.18	5016.31	4426.40
p3-s1	SLE-R-77	Min M3	-14978.17	215.25	370.24	-16.49	5089.35	3932.17
p3-s1	SLE-R-78	Max P	-13621.28	226.43	371.92	-15.09	6613.67	4139.09
p3-s1	SLE-R-78	Min P	-15791.57	230.17	363.74	-14.87	9456.56	4208.21
p3-s1	SLE-R-78	Max M2	-15292.96	229.82	364.59	-13.70	10438.36	4201.81
p3-s1	SLE-R-78	Min M2	-14238.00	228.87	368.93	-16.93	5589.85	4184.15
p3-s1	SLE-R-78	Max M3	-14999.29	239.41	365.78	-13.08	8261.58	4379.25
p3-s1	SLE-R-78	Min M3	-14871.62	219.79	366.11	-16.08	7874.50	4016.28
p3-s1	SLE-R-79	Max P	-13631.59	216.28	-638.37	-17.04	-12689.42	3976.63
p3-s1	SLE-R-79	Min P	-15870.55	218.08	-630.53	-17.27	-15308.22	4009.84
p3-s1	SLE-R-79	Max M2	-14227.55	219.56	-635.87	-15.32	-11618.77	4037.29
p3-s1	SLE-R-79	Min M2	-15392.97	218.78	-631.49	-18.57	-16485.48	4022.85
p3-s1	SLE-R-79	Max M3	-15066.60	232.35	-632.92	-19.07	-14136.70	4274.00
p3-s1	SLE-R-79	Min M3	-14985.99	205.64	-633.00	-16.38	-14063.66	3779.78
p3-s1	SLE-R-80	Max P	-13629.10	216.82	-631.32	-14.98	-12539.33	3986.70
p3-s1	SLE-R-80	Min P	-15799.39	220.56	-639.51	-14.77	-9696.45	4055.82
p3-s1	SLE-R-80	Max M2	-15300.78	220.21	-638.65	-13.59	-8714.65	4049.42
p3-s1	SLE-R-80	Min M2	-14245.82	219.26	-634.32	-16.83	-13563.15	4031.76

p3-s1	SLE-R-80	Max M3	-15007.11	229.81	-637.47	-12.98	-10891.42	4226.86
p3-s1	SLE-R-80	Min M3	-14879.43	210.19	-637.13	-15.98	-11278.51	3863.89
p3-s1	SLE-R-81	Max P	-13765.56	232.45	825.45	-0.55	15712.59	4242.01
p3-s1	SLE-R-81	Min P	-16004.51	234.24	833.28	-0.78	13093.80	4275.21
p3-s1	SLE-R-81	Max M2	-14361.52	235.73	827.94	1.17	16783.24	4302.66
p3-s1	SLE-R-81	Min M2	-15526.94	234.95	832.33	-2.07	11916.54	4288.22
p3-s1	SLE-R-81	Max M3	-15200.56	248.52	830.90	-2.58	14265.32	4539.38
p3-s1	SLE-R-81	Min M3	-15119.96	221.81	830.81	0.11	14338.36	4045.15
p3-s1	SLE-R-82	Max P	-13763.07	232.99	832.49	1.51	15862.68	4252.07
p3-s1	SLE-R-82	Min P	-15933.36	236.73	824.31	1.72	18705.56	4321.19
p3-s1	SLE-R-82	Max M2	-15434.75	236.38	825.17	2.90	19687.37	4314.79
p3-s1	SLE-R-82	Min M2	-14379.79	235.43	829.50	-0.34	14838.86	4297.13
p3-s1	SLE-R-82	Max M3	-15141.08	245.98	826.35	3.51	17510.59	4492.24
p3-s1	SLE-R-82	Min M3	-15013.40	226.35	826.69	0.52	17123.50	4129.26
p3-s1	SLE-R-83	Max P	-13778.59	216.44	-846.63	-0.38	-16209.09	3988.02
p3-s1	SLE-R-83	Min P	-16017.54	218.23	-838.79	-0.61	-18827.88	4021.22
p3-s1	SLE-R-83	Max M2	-14374.55	219.72	-844.13	1.34	-15138.44	4048.68
p3-s1	SLE-R-83	Min M2	-15539.97	218.94	-839.75	-1.90	-20005.14	4034.23
p3-s1	SLE-R-83	Max M3	-15213.60	232.51	-841.17	-2.41	-17656.36	4285.39
p3-s1	SLE-R-83	Min M3	-15132.99	205.80	-841.26	0.28	-17583.32	3791.17
p3-s1	SLE-R-84	Max P	-13776.10	216.98	-839.58	1.68	-16059.00	3998.08
p3-s1	SLE-R-84	Min P	-15946.39	220.72	-847.77	1.90	-13216.11	4067.21
p3-s1	SLE-R-84	Max M2	-15447.78	220.37	-846.91	3.07	-12234.31	4060.81
p3-s1	SLE-R-84	Min M2	-14392.82	219.42	-842.57	-0.16	-17082.82	4043.14
p3-s1	SLE-R-84	Max M3	-15154.11	229.97	-845.72	3.68	-14411.09	4238.25
p3-s1	SLE-R-84	Min M3	-15026.43	210.35	-845.39	0.69	-14798.18	3875.27
p3-s1	SLE-R-85	Max P	-13472.43	233.25	825.56	-0.63	15509.06	4256.85
p3-s1	SLE-R-85	Min P	-15711.38	235.05	833.39	-0.86	12890.26	4290.05
p3-s1	SLE-R-85	Max M2	-14068.38	236.53	828.05	1.09	16579.71	4317.51
p3-s1	SLE-R-85	Min M2	-15233.80	235.75	832.44	-2.15	11713.00	4303.06
p3-s1	SLE-R-85	Max M3	-14907.43	249.33	831.01	-2.66	14061.78	4554.22
p3-s1	SLE-R-85	Min M3	-14826.82	222.61	830.92	0.03	14134.82	4060.00
p3-s1	SLE-R-86	Max P	-13469.93	233.80	832.60	1.43	15659.15	4266.91
p3-s1	SLE-R-86	Min P	-15640.22	237.53	824.42	1.65	18502.03	4336.04
p3-s1	SLE-R-86	Max M2	-15141.61	237.19	825.28	2.82	19483.83	4329.64
p3-s1	SLE-R-86	Min M2	-14086.65	236.23	829.61	-0.41	14635.33	4311.97
p3-s1	SLE-R-86	Max M3	-14847.95	246.78	826.46	3.43	17307.06	4507.08
p3-s1	SLE-R-86	Min M3	-14720.27	227.16	826.80	0.44	16919.97	4144.10
p3-s1	SLE-R-87	Max P	-13485.46	217.24	-846.52	-0.46	-16412.62	4002.87
p3-s1	SLE-R-87	Min P	-15724.41	219.04	-838.68	-0.69	-19031.41	4036.07
p3-s1	SLE-R-87	Max M2	-14081.41	220.52	-844.02	1.27	-15341.97	4063.52
p3-s1	SLE-R-87	Min M2	-15246.83	219.74	-839.64	-1.98	-20208.68	4049.08
p3-s1	SLE-R-87	Max M3	-14920.46	233.32	-841.06	-2.49	-17859.90	4300.24
p3-s1	SLE-R-87	Min M3	-14839.85	206.60	-841.15	0.20	-17786.86	3806.01
p3-s1	SLE-R-88	Max P	-13482.96	217.79	-839.47	1.61	-16262.53	4012.93
p3-s1	SLE-R-88	Min P	-15653.25	221.52	-847.66	1.82	-13419.65	4082.05
p3-s1	SLE-R-88	Max M2	-15154.64	221.18	-846.80	2.99	-12437.85	4075.65
p3-s1	SLE-R-88	Min M2	-14099.68	220.22	-842.46	-0.24	-17286.35	4057.99
p3-s1	SLE-R-88	Max M3	-14860.98	230.77	-845.61	3.61	-14614.62	4253.10
p3-s1	SLE-R-88	Min M3	-14733.30	211.15	-845.28	0.61	-15001.71	3890.12
p3-s1	SLE-R-89	Max P	-13913.17	230.69	825.35	-0.59	15693.65	4209.42

p3-s1	SLE-R-89	Min P	-16152.12	232.48	833.18	-0.82	13074.86	4242.62
p3-s1	SLE-R-89	Max M2	-14509.13	233.97	827.84	1.13	16764.30	4270.07
p3-s1	SLE-R-89	Min M2	-15674.55	233.19	832.23	-2.11	11897.60	4255.63
p3-s1	SLE-R-89	Max M3	-15348.18	246.76	830.80	-2.62	14246.38	4506.79
p3-s1	SLE-R-89	Min M3	-15267.57	220.05	830.72	0.07	14319.42	4012.56
p3-s1	SLE-R-90	Max P	-13910.68	231.23	832.39	1.48	15843.74	4219.48
p3-s1	SLE-R-90	Min P	-16080.97	234.97	824.21	1.69	18686.63	4288.61
p3-s1	SLE-R-90	Max M2	-15582.36	234.62	825.07	2.86	19668.43	4282.21
p3-s1	SLE-R-90	Min M2	-14527.40	233.67	829.40	-0.37	14819.92	4264.54
p3-s1	SLE-R-90	Max M3	-15288.69	244.21	826.25	3.48	17491.65	4459.65
p3-s1	SLE-R-90	Min M3	-15161.01	224.59	826.59	0.48	17104.57	4096.67
p3-s1	SLE-R-91	Max P	-13926.20	214.68	-846.73	-0.41	-16228.03	3955.43
p3-s1	SLE-R-91	Min P	-16165.15	216.47	-838.89	-0.64	-18846.82	3988.64
p3-s1	SLE-R-91	Max M2	-14522.16	217.96	-844.23	1.31	-15157.38	4016.09
p3-s1	SLE-R-91	Min M2	-15687.58	217.18	-839.85	-1.94	-20024.08	4001.65
p3-s1	SLE-R-91	Max M3	-15361.21	230.75	-841.27	-2.44	-17675.30	4252.80
p3-s1	SLE-R-91	Min M3	-15280.60	204.04	-841.36	0.25	-17602.26	3758.58
p3-s1	SLE-R-92	Max P	-13923.71	215.22	-839.68	1.65	-16077.94	3965.50
p3-s1	SLE-R-92	Min P	-16094.00	218.96	-847.86	1.86	-13235.05	4034.62
p3-s1	SLE-R-92	Max M2	-15595.39	218.61	-847.01	3.04	-12253.25	4028.22
p3-s1	SLE-R-92	Min M2	-14540.43	217.66	-842.67	-0.20	-17101.76	4010.56
p3-s1	SLE-R-92	Max M3	-15301.72	228.20	-845.82	3.65	-14430.03	4205.66
p3-s1	SLE-R-92	Min M3	-15174.04	208.58	-845.49	0.65	-14817.11	3842.68
p3-s1	SLE-R-93	Max P	-13620.04	231.49	825.46	-0.66	15490.12	4224.26
p3-s1	SLE-R-93	Min P	-15858.99	233.28	833.29	-0.89	12871.33	4257.47
p3-s1	SLE-R-93	Max M2	-14215.99	234.77	827.95	1.06	16560.77	4284.92
p3-s1	SLE-R-93	Min M2	-15381.41	233.99	832.34	-2.19	11694.06	4270.48
p3-s1	SLE-R-93	Max M3	-15055.04	247.56	830.91	-2.69	14042.84	4521.63
p3-s1	SLE-R-93	Min M3	-14974.43	220.85	830.82	0.00	14115.88	4027.41
p3-s1	SLE-R-94	Max P	-13617.54	232.03	832.50	1.40	15640.21	4234.33
p3-s1	SLE-R-94	Min P	-15787.83	235.77	824.32	1.61	18483.09	4303.45
p3-s1	SLE-R-94	Max M2	-15289.22	235.42	825.18	2.79	19464.89	4297.05
p3-s1	SLE-R-94	Min M2	-14234.26	234.47	829.51	-0.45	14616.39	4279.39
p3-s1	SLE-R-94	Max M3	-14995.56	245.02	826.36	3.40	17288.12	4474.49
p3-s1	SLE-R-94	Min M3	-14867.88	225.40	826.70	0.40	16901.03	4111.51
p3-s1	SLE-R-95	Max P	-13633.07	215.48	-846.62	-0.49	-16431.56	3970.28
p3-s1	SLE-R-95	Min P	-15872.02	217.28	-838.78	-0.72	-19050.35	4003.48
p3-s1	SLE-R-95	Max M2	-14229.02	218.76	-844.12	1.23	-15360.91	4030.93
p3-s1	SLE-R-95	Min M2	-15394.44	217.98	-839.74	-2.01	-20227.61	4016.49
p3-s1	SLE-R-95	Max M3	-15068.07	231.55	-841.16	-2.52	-17878.83	4267.65
p3-s1	SLE-R-95	Min M3	-14987.47	204.84	-841.25	0.17	-17805.79	3773.42
p3-s1	SLE-R-96	Max P	-13630.57	216.02	-839.57	1.57	-16281.47	3980.34
p3-s1	SLE-R-96	Min P	-15800.86	219.76	-847.76	1.78	-13438.59	4049.47
p3-s1	SLE-R-96	Max M2	-15302.25	219.42	-846.90	2.96	-12456.79	4043.07
p3-s1	SLE-R-96	Min M2	-14247.29	218.46	-842.56	-0.27	-17305.29	4025.40
p3-s1	SLE-R-96	Max M3	-15008.59	229.01	-845.71	3.57	-14633.56	4220.51
p3-s1	SLE-R-96	Min M3	-14880.91	209.39	-845.38	0.58	-15020.65	3857.53
p3-s1	SLE-R-97	Max P	-13714.36	387.64	486.62	0.19	9270.08	7096.75
p3-s1	SLE-R-97	Min P	-15953.32	389.44	494.46	-0.04	6651.29	7129.95
p3-s1	SLE-R-97	Max M2	-14310.32	390.92	489.12	1.91	10340.74	7157.40
p3-s1	SLE-R-97	Min M2	-15475.74	390.14	493.50	-1.33	5474.03	7142.96

p3-s1	SLE-R-97	Max M3	-15149.37	403.72	492.08	-1.84	7822.81	7394.12
p3-s1	SLE-R-97	Min M3	-15068.76	377.00	491.99	0.85	7895.85	6899.89
p3-s1	SLE-R-98	Max P	-13711.87	388.19	493.67	2.25	9420.17	7106.81
p3-s1	SLE-R-98	Min P	-15882.16	391.92	485.48	2.47	12263.06	7175.94
p3-s1	SLE-R-98	Max M2	-15383.55	391.58	486.34	3.64	13244.86	7169.54
p3-s1	SLE-R-98	Min M2	-14328.59	390.62	490.68	0.41	8396.35	7151.87
p3-s1	SLE-R-98	Max M3	-15089.88	401.17	487.52	4.25	11068.09	7346.98
p3-s1	SLE-R-98	Min M3	-14962.21	381.55	487.86	1.26	10681.00	6984.00
p3-s1	SLE-R-99	Max P	-13722.18	378.04	-516.63	0.30	-9882.92	6944.36
p3-s1	SLE-R-99	Min P	-15961.14	379.83	-508.79	0.07	-12501.71	6977.56
p3-s1	SLE-R-99	Max M2	-14318.14	381.32	-514.13	2.02	-8812.27	7005.01
p3-s1	SLE-R-99	Min M2	-15483.56	380.54	-509.74	-1.23	-13678.98	6990.57
p3-s1	SLE-R-99	Max M3	-15157.19	394.11	-511.17	-1.73	-11330.20	7241.73
p3-s1	SLE-R-99	Min M3	-15076.58	367.40	-511.26	0.96	-11257.16	6747.50
p3-s1	SLE-R-100	Max P	-13719.69	378.58	-509.58	2.36	-9732.83	6954.42
p3-s1	SLE-R-100	Min P	-15889.98	382.32	-517.76	2.57	-6889.95	7023.54
p3-s1	SLE-R-100	Max M2	-15391.37	381.97	-516.90	3.75	-5908.15	7017.15
p3-s1	SLE-R-100	Min M2	-14336.41	381.02	-512.57	0.51	-10756.65	6999.48
p3-s1	SLE-R-100	Max M3	-15097.70	391.56	-515.72	4.36	-8084.92	7194.59
p3-s1	SLE-R-100	Min M3	-14970.02	371.94	-515.38	1.36	-8472.01	6831.61
p3-s1	SLE-R-101	Max P	-13421.23	388.45	486.73	0.11	9066.55	7111.59
p3-s1	SLE-R-101	Min P	-15660.18	390.24	494.57	-0.12	6447.76	7144.80
p3-s1	SLE-R-101	Max M2	-14017.19	391.72	489.23	1.84	10137.20	7172.25
p3-s1	SLE-R-101	Min M2	-15182.61	390.94	493.61	-1.41	5270.50	7157.81
p3-s1	SLE-R-101	Max M3	-14856.23	404.52	492.18	-1.92	7619.28	7408.96
p3-s1	SLE-R-101	Min M3	-14775.63	377.81	492.10	0.77	7692.32	6914.74
p3-s1	SLE-R-102	Max P	-13418.74	388.99	493.78	2.18	9216.64	7121.66
p3-s1	SLE-R-102	Min P	-15589.03	392.73	485.59	2.39	12059.52	7190.78
p3-s1	SLE-R-102	Max M2	-15090.42	392.38	486.45	3.57	13041.33	7184.38
p3-s1	SLE-R-102	Min M2	-14035.46	391.43	490.78	0.33	8192.82	7166.71
p3-s1	SLE-R-102	Max M3	-14796.75	401.97	487.63	4.18	10864.55	7361.82
p3-s1	SLE-R-102	Min M3	-14669.07	382.35	487.97	1.18	10477.46	6998.84
p3-s1	SLE-R-103	Max P	-13429.05	378.84	-516.52	0.22	-10086.46	6959.20
p3-s1	SLE-R-103	Min P	-15668.00	380.64	-508.68	-0.01	-12705.25	6992.41
p3-s1	SLE-R-103	Max M2	-14025.00	382.12	-514.02	1.94	-9015.81	7019.86
p3-s1	SLE-R-103	Min M2	-15190.42	381.34	-509.63	-1.30	-13882.51	7005.41
p3-s1	SLE-R-103	Max M3	-14864.05	394.91	-511.06	-1.81	-11533.73	7256.57
p3-s1	SLE-R-103	Min M3	-14783.45	368.20	-511.15	0.88	-11460.69	6762.35
p3-s1	SLE-R-104	Max P	-13426.56	379.38	-509.47	2.28	-9936.37	6969.26
p3-s1	SLE-R-104	Min P	-15596.85	383.12	-517.65	2.49	-7093.48	7038.39
p3-s1	SLE-R-104	Max M2	-15098.23	382.78	-516.79	3.67	-6111.68	7031.99
p3-s1	SLE-R-104	Min M2	-14043.28	381.82	-512.46	0.43	-10960.19	7014.32
p3-s1	SLE-R-104	Max M3	-14804.57	392.37	-515.61	4.28	-8288.46	7209.43
p3-s1	SLE-R-104	Min M3	-14676.89	372.75	-515.27	1.29	-8675.54	6846.45
p3-s1	SLE-R-105	Max P	-13960.38	384.71	486.45	0.13	9238.52	7042.44
p3-s1	SLE-R-105	Min P	-16199.33	386.50	494.29	-0.10	6619.73	7075.64
p3-s1	SLE-R-105	Max M2	-14556.34	387.99	488.95	1.85	10309.17	7103.09
p3-s1	SLE-R-105	Min M2	-15721.76	387.21	493.33	-1.39	5442.47	7088.65
p3-s1	SLE-R-105	Max M3	-15395.39	400.78	491.91	-1.90	7791.25	7339.81
p3-s1	SLE-R-105	Min M3	-15314.78	374.07	491.82	0.79	7864.29	6845.58
p3-s1	SLE-R-106	Max P	-13957.89	385.25	493.50	2.20	9388.61	7052.50

p3-s1	SLE-R-106	Min P	-16128.18	388.99	485.32	2.41	12231.50	7121.62
p3-s1	SLE-R-106	Max M2	-15629.57	388.64	486.17	3.58	13213.30	7115.22
p3-s1	SLE-R-106	Min M2	-14574.61	387.69	490.51	0.35	8364.79	7097.56
p3-s1	SLE-R-106	Max M3	-15335.90	398.23	487.36	4.20	11036.52	7292.67
p3-s1	SLE-R-106	Min M3	-15208.22	378.61	487.69	1.20	10649.44	6929.69
p3-s1	SLE-R-107	Max P	-13968.20	375.10	-516.79	0.24	-9914.49	6890.04
p3-s1	SLE-R-107	Min P	-16207.15	376.90	-508.95	0.01	-12533.28	6923.25
p3-s1	SLE-R-107	Max M2	-14564.16	378.38	-514.29	1.96	-8843.83	6950.70
p3-s1	SLE-R-107	Min M2	-15729.58	377.60	-509.91	-1.28	-13710.54	6936.26
p3-s1	SLE-R-107	Max M3	-15403.20	391.18	-511.34	-1.79	-11361.76	7187.42
p3-s1	SLE-R-107	Min M3	-15322.60	364.46	-511.42	0.90	-11288.72	6693.19
p3-s1	SLE-R-108	Max P	-13965.71	375.65	-509.74	2.30	-9764.40	6900.11
p3-s1	SLE-R-108	Min P	-16136.00	379.38	-517.93	2.51	-6921.51	6969.23
p3-s1	SLE-R-108	Max M2	-15637.39	379.04	-517.07	3.69	-5939.71	6962.83
p3-s1	SLE-R-108	Min M2	-14582.43	378.08	-512.74	0.45	-10788.22	6945.17
p3-s1	SLE-R-108	Max M3	-15343.72	388.63	-515.89	4.30	-8116.48	7140.27
p3-s1	SLE-R-108	Min M3	-15216.04	369.01	-515.55	1.30	-8503.57	6777.30
p3-s1	SLE-R-109	Max P	-13667.25	385.51	486.56	0.06	9034.99	7057.28
p3-s1	SLE-R-109	Min P	-15906.20	387.31	494.40	-0.17	6416.20	7090.48
p3-s1	SLE-R-109	Max M2	-14263.20	388.79	489.06	1.78	10105.64	7117.94
p3-s1	SLE-R-109	Min M2	-15428.62	388.01	493.44	-1.46	5238.93	7103.49
p3-s1	SLE-R-109	Max M3	-15102.25	401.58	492.02	-1.97	7587.71	7354.65
p3-s1	SLE-R-109	Min M3	-15021.65	374.87	491.93	0.72	7660.75	6860.43
p3-s1	SLE-R-110	Max P	-13664.75	386.05	493.61	2.12	9185.08	7067.34
p3-s1	SLE-R-110	Min P	-15835.05	389.79	485.42	2.33	12027.96	7136.47
p3-s1	SLE-R-110	Max M2	-15336.43	389.44	486.28	3.51	13009.76	7130.07
p3-s1	SLE-R-110	Min M2	-14281.47	388.49	490.62	0.27	8161.26	7112.40
p3-s1	SLE-R-110	Max M3	-15042.77	399.04	487.47	4.12	10832.99	7307.51
p3-s1	SLE-R-110	Min M3	-14915.09	379.42	487.80	1.12	10445.90	6944.53
p3-s1	SLE-R-111	Max P	-13675.07	375.90	-516.68	0.16	-10118.02	6904.89
p3-s1	SLE-R-111	Min P	-15914.02	377.70	-508.84	-0.07	-12736.81	6938.09
p3-s1	SLE-R-111	Max M2	-14271.02	379.18	-514.19	1.88	-9047.37	6965.55
p3-s1	SLE-R-111	Min M2	-15436.44	378.40	-509.80	-1.36	-13914.07	6951.10
p3-s1	SLE-R-111	Max M3	-15110.07	391.98	-511.23	-1.87	-11565.29	7202.26
p3-s1	SLE-R-111	Min M3	-15029.46	365.26	-511.31	0.82	-11492.25	6708.04
p3-s1	SLE-R-112	Max P	-13672.57	376.45	-509.63	2.22	-9967.93	6914.95
p3-s1	SLE-R-112	Min P	-15842.86	380.19	-517.82	2.44	-7125.05	6984.08
p3-s1	SLE-R-112	Max M2	-15344.25	379.84	-516.96	3.61	-6143.24	6977.68
p3-s1	SLE-R-112	Min M2	-14289.29	378.88	-512.63	0.38	-10991.75	6960.01
p3-s1	SLE-R-112	Max M3	-15050.59	389.43	-515.78	4.22	-8320.02	7155.12
p3-s1	SLE-R-112	Min M3	-14922.91	369.81	-515.44	1.23	-8707.11	6792.14
p3-s1	SLE-R-113	Max P	-13618.07	-242.53	501.44	-3.22	9524.09	-4462.30
p3-s1	SLE-R-113	Min P	-18018.50	-238.12	515.99	-4.52	4475.71	-4380.65
p3-s1	SLE-R-113	Max M2	-14786.43	-236.65	506.14	0.36	11755.90	-4353.50
p3-s1	SLE-R-113	Min M2	-17007.93	-238.69	513.35	-7.53	2101.75	-4391.26
p3-s1	SLE-R-113	Max M3	-16304.76	-213.42	511.25	-6.91	6795.45	-3923.78
p3-s1	SLE-R-113	Min M3	-16065.75	-262.38	510.16	-2.36	6934.06	-4829.42
p3-s1	SLE-R-114	Max P	-13613.62	-241.53	514.46	0.48	9801.61	-4443.73
p3-s1	SLE-R-114	Min P	-17852.57	-234.10	499.00	1.56	15161.62	-4306.29
p3-s1	SLE-R-114	Max M2	-16782.35	-235.35	501.74	4.49	17258.14	-4329.37
p3-s1	SLE-R-114	Min M2	-14841.32	-237.49	508.87	-3.35	7649.06	-4369.10

p3-s1	SLE-R-114	Max M3	-16201.33	-217.91	503.61	4.16	12920.31	-4006.81
p3-s1	SLE-R-114	Min M3	-15875.60	-254.24	504.83	-1.07	12130.72	-4678.90
p3-s1	SLE-R-115	Max P	-13625.89	-252.14	-501.80	-3.12	-9628.92	-4614.69
p3-s1	SLE-R-115	Min P	-18026.32	-247.72	-487.26	-4.42	-14677.30	-4533.04
p3-s1	SLE-R-115	Max M2	-14794.25	-246.26	-497.11	0.46	-7397.11	-4505.89
p3-s1	SLE-R-115	Min M2	-17015.75	-248.30	-489.90	-7.43	-17051.26	-4543.65
p3-s1	SLE-R-115	Max M3	-16312.58	-223.03	-492.00	-6.81	-12357.56	-4076.17
p3-s1	SLE-R-115	Min M3	-16073.57	-271.98	-493.08	-2.25	-12218.94	-4981.81
p3-s1	SLE-R-116	Max P	-13621.44	-251.13	-488.78	0.58	-9351.40	-4596.12
p3-s1	SLE-R-116	Min P	-17860.38	-243.70	-504.25	1.67	-3991.39	-4458.68
p3-s1	SLE-R-116	Max M2	-16790.17	-244.95	-501.50	4.59	-1894.86	-4481.76
p3-s1	SLE-R-116	Min M2	-14849.13	-247.10	-494.37	-3.24	-11503.95	-4521.50
p3-s1	SLE-R-116	Max M3	-16209.15	-227.52	-499.63	4.27	-6232.70	-4159.20
p3-s1	SLE-R-116	Min M3	-15883.42	-263.85	-498.41	-0.97	-7022.29	-4831.29
p3-s1	SLE-R-117	Max P	-13324.94	-241.73	501.55	-3.30	9320.56	-4447.45
p3-s1	SLE-R-117	Min P	-17725.36	-237.32	516.09	-4.60	4272.17	-4365.81
p3-s1	SLE-R-117	Max M2	-14493.30	-235.85	506.25	0.28	11552.37	-4338.66
p3-s1	SLE-R-117	Min M2	-16714.80	-237.89	513.45	-7.61	1898.22	-4376.41
p3-s1	SLE-R-117	Max M3	-16011.62	-212.62	511.36	-6.99	6591.92	-3908.93
p3-s1	SLE-R-117	Min M3	-15772.61	-261.57	510.27	-2.43	6730.53	-4814.57
p3-s1	SLE-R-118	Max P	-13320.49	-240.73	514.57	0.40	9598.07	-4428.88
p3-s1	SLE-R-118	Min P	-17559.43	-233.30	499.11	1.49	14958.09	-4291.45
p3-s1	SLE-R-118	Max M2	-16489.21	-234.54	501.85	4.41	17054.61	-4314.53
p3-s1	SLE-R-118	Min M2	-14548.18	-236.69	508.98	-3.43	7445.53	-4354.26
p3-s1	SLE-R-118	Max M3	-15908.19	-217.11	503.72	4.09	12716.78	-3991.97
p3-s1	SLE-R-118	Min M3	-15582.47	-253.44	504.94	-1.15	11927.18	-4664.06
p3-s1	SLE-R-119	Max P	-13332.76	-251.33	-501.69	-3.20	-9832.45	-4599.84
p3-s1	SLE-R-119	Min P	-17733.18	-246.92	-487.15	-4.50	-14880.84	-4518.20
p3-s1	SLE-R-119	Max M2	-14501.12	-245.45	-497.00	0.39	-7600.64	-4491.05
p3-s1	SLE-R-119	Min M2	-16722.62	-247.50	-489.79	-7.50	-17254.79	-4528.81
p3-s1	SLE-R-119	Max M3	-16019.44	-222.23	-491.89	-6.88	-12561.09	-4061.32
p3-s1	SLE-R-119	Min M3	-15780.43	-271.18	-492.97	-2.33	-12422.48	-4966.97
p3-s1	SLE-R-120	Max P	-13328.31	-250.33	-488.67	0.50	-9554.93	-4581.28
p3-s1	SLE-R-120	Min P	-17567.25	-242.90	-504.14	1.59	-4194.92	-4443.84
p3-s1	SLE-R-120	Max M2	-16497.03	-244.15	-501.39	4.52	-2098.40	-4466.92
p3-s1	SLE-R-120	Min M2	-14556.00	-246.30	-494.26	-3.32	-11707.48	-4506.65
p3-s1	SLE-R-120	Max M3	-15916.01	-226.71	-499.52	4.19	-6436.23	-4144.36
p3-s1	SLE-R-120	Min M3	-15590.29	-263.04	-498.30	-1.04	-7225.82	-4816.45
p3-s1	SLE-R-121	Max P	-13765.68	-244.29	501.34	-3.26	9505.15	-4494.88
p3-s1	SLE-R-121	Min P	-18166.11	-239.88	515.89	-4.56	4456.77	-4413.24
p3-s1	SLE-R-121	Max M2	-14934.04	-238.41	506.04	0.32	11736.96	-4386.09
p3-s1	SLE-R-121	Min M2	-17155.54	-240.45	513.25	-7.57	2082.81	-4423.85
p3-s1	SLE-R-121	Max M3	-16452.37	-215.18	511.15	-6.94	6776.51	-3956.36
p3-s1	SLE-R-121	Min M3	-16213.36	-264.14	510.06	-2.39	6915.13	-4862.01
p3-s1	SLE-R-122	Max P	-13761.23	-243.29	514.36	0.44	9782.67	-4476.32
p3-s1	SLE-R-122	Min P	-18000.18	-235.86	498.90	1.53	15142.68	-4338.88
p3-s1	SLE-R-122	Max M2	-16929.96	-237.11	501.64	4.46	17239.21	-4361.96
p3-s1	SLE-R-122	Min M2	-14988.93	-239.26	508.77	-3.38	7630.12	-4401.69
p3-s1	SLE-R-122	Max M3	-16348.94	-219.67	503.51	4.13	12901.37	-4039.40
p3-s1	SLE-R-122	Min M3	-16023.21	-256.00	504.73	-1.10	12111.78	-4711.49
p3-s1	SLE-R-123	Max P	-13773.50	-253.90	-501.90	-3.15	-9647.85	-4647.27

p3-s1	SLE-R-123	Min P	-18173.93	-249.49	-487.36	-4.45	-14696.24	-4565.63
p3-s1	SLE-R-123	Max M2	-14941.86	-248.02	-497.21	0.43	-7416.04	-4538.48
p3-s1	SLE-R-123	Min M2	-17163.36	-250.06	-490.00	-7.46	-17070.20	-4576.24
p3-s1	SLE-R-123	Max M3	-16460.19	-224.79	-492.10	-6.84	-12376.49	-4108.76
p3-s1	SLE-R-123	Min M3	-16221.18	-273.74	-493.18	-2.29	-12237.88	-5014.40
p3-s1	SLE-R-124	Max P	-13769.05	-252.90	-488.88	0.54	-9370.34	-4628.71
p3-s1	SLE-R-124	Min P	-18007.99	-245.47	-504.35	1.63	-4010.32	-4491.27
p3-s1	SLE-R-124	Max M2	-16937.78	-246.71	-501.60	4.56	-1913.80	-4514.35
p3-s1	SLE-R-124	Min M2	-14996.75	-248.86	-494.47	-3.28	-11522.89	-4554.08
p3-s1	SLE-R-124	Max M3	-16356.76	-229.28	-499.73	4.23	-6251.63	-4191.79
p3-s1	SLE-R-124	Min M3	-16031.03	-265.61	-498.51	-1.00	-7041.23	-4863.88
p3-s1	SLE-R-125	Max P	-13472.55	-243.49	501.45	-3.34	9301.62	-4480.04
p3-s1	SLE-R-125	Min P	-17872.97	-239.08	516.00	-4.63	4253.23	-4398.39
p3-s1	SLE-R-125	Max M2	-14640.91	-237.61	506.15	0.25	11533.43	-4371.24
p3-s1	SLE-R-125	Min M2	-16862.41	-239.65	513.36	-7.64	1879.28	-4409.00
p3-s1	SLE-R-125	Max M3	-16159.24	-214.38	511.26	-7.02	6572.98	-3941.52
p3-s1	SLE-R-125	Min M3	-15920.22	-263.34	510.17	-2.47	6711.59	-4847.16
p3-s1	SLE-R-126	Max P	-13468.10	-242.49	514.47	0.36	9579.14	-4461.47
p3-s1	SLE-R-126	Min P	-17707.04	-235.06	499.01	1.45	14939.15	-4324.03
p3-s1	SLE-R-126	Max M2	-16636.82	-236.31	501.75	4.38	17035.67	-4347.11
p3-s1	SLE-R-126	Min M2	-14695.79	-238.45	508.88	-3.46	7426.59	-4386.85
p3-s1	SLE-R-126	Max M3	-16055.80	-218.87	503.62	4.05	12697.84	-4024.55
p3-s1	SLE-R-126	Min M3	-15730.08	-255.20	504.84	-1.18	11908.25	-4696.64
p3-s1	SLE-R-127	Max P	-13480.37	-253.10	-501.79	-3.23	-9851.39	-4632.43
p3-s1	SLE-R-127	Min P	-17880.79	-248.68	-487.25	-4.53	-14899.77	-4550.79
p3-s1	SLE-R-127	Max M2	-14648.73	-247.22	-497.10	0.35	-7619.58	-4523.64
p3-s1	SLE-R-127	Min M2	-16870.23	-249.26	-489.89	-7.54	-17273.73	-4561.39
p3-s1	SLE-R-127	Max M3	-16167.05	-223.99	-491.99	-6.92	-12580.03	-4093.91
p3-s1	SLE-R-127	Min M3	-15928.04	-272.94	-493.07	-2.37	-12441.41	-4999.55
p3-s1	SLE-R-128	Max P	-13475.92	-252.09	-488.77	0.47	-9573.87	-4613.86
p3-s1	SLE-R-128	Min P	-17714.86	-244.66	-504.24	1.55	-4213.86	-4476.43
p3-s1	SLE-R-128	Max M2	-16644.64	-245.91	-501.49	4.48	-2117.34	-4499.51
p3-s1	SLE-R-128	Min M2	-14703.61	-248.06	-494.36	-3.36	-11726.42	-4539.24
p3-s1	SLE-R-128	Max M3	-16063.62	-228.48	-499.62	4.16	-6455.17	-4176.95
p3-s1	SLE-R-128	Min M3	-15737.90	-264.80	-498.40	-1.08	-7244.76	-4849.03
p3-s1	SLE-R-129	Max P	-13768.85	-8.42	517.25	5.47	9885.90	-131.25
p3-s1	SLE-R-129	Min P	-16007.81	-6.63	525.09	5.24	7267.11	-98.04
p3-s1	SLE-R-129	Max M2	-14364.81	-5.14	519.75	7.19	10956.55	-70.59
p3-s1	SLE-R-129	Min M2	-15530.23	-5.92	524.13	3.95	6089.85	-85.04
p3-s1	SLE-R-129	Max M3	-15203.86	7.65	522.71	3.44	8438.63	166.12
p3-s1	SLE-R-129	Min M3	-15123.25	-19.06	522.62	6.13	8511.67	-328.10
p3-s1	SLE-R-130	Max P	-13766.36	-7.88	524.30	7.53	10035.99	-121.18
p3-s1	SLE-R-130	Min P	-15936.65	-4.14	516.11	7.74	12878.88	-52.06
p3-s1	SLE-R-130	Max M2	-15438.04	-4.49	516.97	8.92	13860.68	-58.46
p3-s1	SLE-R-130	Min M2	-14383.08	-5.44	521.31	5.68	9012.17	-76.13
p3-s1	SLE-R-130	Max M3	-15144.37	5.11	518.15	9.53	11683.90	118.98
p3-s1	SLE-R-130	Min M3	-15016.69	-14.52	518.49	6.53	11296.82	-244.00
p3-s1	SLE-R-131	Max P	-13776.67	-18.03	-485.99	5.57	-9267.11	-283.64
p3-s1	SLE-R-131	Min P	-16015.62	-16.23	-478.16	5.34	-11885.90	-250.44
p3-s1	SLE-R-131	Max M2	-14372.63	-14.75	-483.50	7.29	-8196.45	-222.98
p3-s1	SLE-R-131	Min M2	-15538.05	-15.53	-479.11	4.05	-13063.16	-237.43

p3-s1	SLE-R-131	Max M3	-15211.68	-1.95	-480.54	3.54	-10714.38	13.73
p3-s1	SLE-R-131	Min M3	-15131.07	-28.67	-480.63	6.23	-10641.34	-480.49
p3-s1	SLE-R-132	Max P	-13774.18	-17.48	-478.95	7.63	-9117.02	-273.58
p3-s1	SLE-R-132	Min P	-15944.47	-13.75	-487.13	7.85	-6274.13	-204.45
p3-s1	SLE-R-132	Max M2	-15445.86	-14.09	-486.27	9.02	-5292.33	-210.85
p3-s1	SLE-R-132	Min M2	-14390.90	-15.05	-481.94	5.79	-10140.84	-228.52
p3-s1	SLE-R-132	Max M3	-15152.19	-4.50	-485.09	9.63	-7469.10	-33.41
p3-s1	SLE-R-132	Min M3	-15024.51	-24.12	-484.75	6.64	-7856.19	-396.39
p3-s1	SLE-R-133	Max P	-13475.72	-7.62	517.36	5.39	9682.37	-116.40
p3-s1	SLE-R-133	Min P	-15714.67	-5.82	525.20	5.16	7063.58	-83.20
p3-s1	SLE-R-133	Max M2	-14071.67	-4.34	519.86	7.11	10753.02	-55.75
p3-s1	SLE-R-133	Min M2	-15237.09	-5.12	524.24	3.87	5886.31	-70.19
p3-s1	SLE-R-133	Max M3	-14910.72	8.46	522.82	3.36	8235.09	180.97
p3-s1	SLE-R-133	Min M3	-14830.12	-18.26	522.73	6.05	8308.14	-313.26
p3-s1	SLE-R-134	Max P	-13473.23	-7.07	524.41	7.45	9832.46	-106.34
p3-s1	SLE-R-134	Min P	-15643.52	-3.34	516.22	7.67	12675.34	-37.22
p3-s1	SLE-R-134	Max M2	-15144.90	-3.68	517.08	8.84	13657.14	-43.61
p3-s1	SLE-R-134	Min M2	-14089.94	-4.64	521.42	5.61	8808.64	-61.28
p3-s1	SLE-R-134	Max M3	-14851.24	5.91	518.26	9.45	11480.37	133.83
p3-s1	SLE-R-134	Min M3	-14723.56	-13.71	518.60	6.46	11093.28	-229.15
p3-s1	SLE-R-135	Max P	-13483.54	-17.22	-485.89	5.49	-9470.64	-268.79
p3-s1	SLE-R-135	Min P	-15722.49	-15.43	-478.05	5.26	-12089.43	-235.59
p3-s1	SLE-R-135	Max M2	-14079.49	-13.95	-483.39	7.21	-8399.99	-208.14
p3-s1	SLE-R-135	Min M2	-15244.91	-14.73	-479.00	3.97	-13266.69	-222.58
p3-s1	SLE-R-135	Max M3	-14918.54	-1.15	-480.43	3.46	-10917.91	28.58
p3-s1	SLE-R-135	Min M3	-14837.93	-27.87	-480.52	6.15	-10844.87	-465.65
p3-s1	SLE-R-136	Max P	-13481.04	-16.68	-478.84	7.56	-9320.55	-258.73
p3-s1	SLE-R-136	Min P	-15651.33	-12.94	-487.02	7.77	-6477.66	-189.61
p3-s1	SLE-R-136	Max M2	-15152.72	-13.29	-486.16	8.94	-5495.86	-196.01
p3-s1	SLE-R-136	Min M2	-14097.76	-14.24	-481.83	5.71	-10344.37	-213.67
p3-s1	SLE-R-136	Max M3	-14859.06	-3.70	-484.98	9.56	-7672.64	-18.56
p3-s1	SLE-R-136	Min M3	-14731.38	-23.32	-484.64	6.56	-8059.73	-381.54
p3-s1	SLE-R-137	Max P	-13916.46	-10.18	517.15	5.43	9866.96	-163.84
p3-s1	SLE-R-137	Min P	-16155.42	-8.39	524.99	5.20	7248.17	-130.63
p3-s1	SLE-R-137	Max M2	-14512.42	-6.90	519.65	7.15	10937.62	-103.18
p3-s1	SLE-R-137	Min M2	-15677.84	-7.68	524.03	3.91	6070.91	-117.62
p3-s1	SLE-R-137	Max M3	-15351.47	5.89	522.61	3.40	8419.69	133.54
p3-s1	SLE-R-137	Min M3	-15270.86	-20.82	522.52	6.09	8492.73	-360.69
p3-s1	SLE-R-138	Max P	-13913.97	-9.64	524.20	7.49	10017.05	-153.77
p3-s1	SLE-R-138	Min P	-16084.26	-5.90	516.01	7.71	12859.94	-84.65
p3-s1	SLE-R-138	Max M2	-15585.65	-6.25	516.87	8.88	13841.74	-91.05
p3-s1	SLE-R-138	Min M2	-14530.69	-7.20	521.21	5.65	8993.23	-108.71
p3-s1	SLE-R-138	Max M3	-15291.98	3.34	518.06	9.49	11664.97	86.39
p3-s1	SLE-R-138	Min M3	-15164.31	-16.28	518.39	6.50	11277.88	-276.58
p3-s1	SLE-R-139	Max P	-13924.28	-19.79	-486.09	5.54	-9286.04	-316.23
p3-s1	SLE-R-139	Min P	-16163.23	-17.99	-478.26	5.31	-11904.83	-283.02
p3-s1	SLE-R-139	Max M2	-14520.24	-16.51	-483.60	7.26	-8215.39	-255.57
p3-s1	SLE-R-139	Min M2	-15685.66	-17.29	-479.21	4.01	-13082.10	-270.01
p3-s1	SLE-R-139	Max M3	-15359.29	-3.71	-480.64	3.51	-10733.32	-18.86
p3-s1	SLE-R-139	Min M3	-15278.68	-30.43	-480.73	6.20	-10660.28	-513.08
p3-s1	SLE-R-140	Max P	-13921.79	-19.24	-479.05	7.60	-9135.95	-306.16

p3-s1	SLE-R-140	Min P	-16092.08	-15.51	-487.23	7.81	-6293.07	-237.04
p3-s1	SLE-R-140	Max M2	-15593.47	-15.85	-486.37	8.99	-5311.27	-243.44
p3-s1	SLE-R-140	Min M2	-14538.51	-16.81	-482.04	5.75	-10159.77	-261.10
p3-s1	SLE-R-140	Max M3	-15299.80	-6.26	-485.19	9.60	-7488.04	-66.00
p3-s1	SLE-R-140	Min M3	-15172.12	-25.88	-484.85	6.60	-7875.13	-428.97
p3-s1	SLE-R-141	Max P	-13623.33	-9.38	517.26	5.35	9663.43	-148.99
p3-s1	SLE-R-141	Min P	-15862.28	-7.59	525.10	5.12	7044.64	-115.79
p3-s1	SLE-R-141	Max M2	-14219.28	-6.10	519.76	7.08	10734.08	-88.33
p3-s1	SLE-R-141	Min M2	-15384.70	-6.88	524.14	3.83	5867.38	-102.78
p3-s1	SLE-R-141	Max M3	-15058.33	6.69	522.72	3.32	8216.16	148.38
p3-s1	SLE-R-141	Min M3	-14977.73	-20.02	522.63	6.01	8289.20	-345.84
p3-s1	SLE-R-142	Max P	-13620.84	-8.84	524.31	7.42	9813.52	-138.93
p3-s1	SLE-R-142	Min P	-15791.13	-5.10	516.12	7.63	12656.40	-69.80
p3-s1	SLE-R-142	Max M2	-15292.51	-5.45	516.98	8.80	13638.21	-76.20
p3-s1	SLE-R-142	Min M2	-14237.56	-6.40	521.32	5.57	8789.70	-93.87
p3-s1	SLE-R-142	Max M3	-14998.85	4.15	518.16	9.42	11461.43	101.24
p3-s1	SLE-R-142	Min M3	-14871.17	-15.47	518.50	6.42	11074.34	-261.74
p3-s1	SLE-R-143	Max P	-13631.15	-18.99	-485.98	5.46	-9489.58	-301.38
p3-s1	SLE-R-143	Min P	-15870.10	-17.19	-478.15	5.23	-12108.37	-268.18
p3-s1	SLE-R-143	Max M2	-14227.10	-15.71	-483.49	7.18	-8418.93	-240.72
p3-s1	SLE-R-143	Min M2	-15392.52	-16.49	-479.10	3.94	-13285.63	-255.17
p3-s1	SLE-R-143	Max M3	-15066.15	-2.91	-480.53	3.43	-10936.85	-4.01
p3-s1	SLE-R-143	Min M3	-14985.54	-29.63	-480.62	6.12	-10863.81	-498.24
p3-s1	SLE-R-144	Max P	-13628.65	-18.44	-478.94	7.52	-9339.49	-291.32
p3-s1	SLE-R-144	Min P	-15798.94	-14.71	-487.12	7.73	-6496.60	-222.19
p3-s1	SLE-R-144	Max M2	-15300.33	-15.05	-486.26	8.91	-5514.80	-228.59
p3-s1	SLE-R-144	Min M2	-14245.37	-16.01	-481.93	5.67	-10363.31	-246.26
p3-s1	SLE-R-144	Max M3	-15006.67	-5.46	-485.08	9.52	-7691.58	-51.15
p3-s1	SLE-R-144	Min M3	-14878.99	-25.08	-484.74	6.53	-8078.66	-414.13
p3-s1	SLE-R-145	Max P	-13791.04	-471.89	491.26	-10.35	9333.26	-8705.45
p3-s1	SLE-R-145	Min P	-16030.00	-470.10	499.10	-10.58	6714.47	-8672.24
p3-s1	SLE-R-145	Max M2	-14387.00	-468.61	493.76	-8.63	10403.91	-8644.79
p3-s1	SLE-R-145	Min M2	-15552.42	-469.39	498.14	-11.87	5537.21	-8659.24
p3-s1	SLE-R-145	Max M3	-15226.05	-455.82	496.71	-12.38	7885.99	-8408.08
p3-s1	SLE-R-145	Min M3	-15145.44	-482.53	496.63	-9.69	7959.03	-8902.30
p3-s1	SLE-R-146	Max P	-13788.55	-471.35	498.31	-8.29	9483.35	-8695.38
p3-s1	SLE-R-146	Min P	-15958.84	-467.61	490.12	-8.08	12326.23	-8626.26
p3-s1	SLE-R-146	Max M2	-15460.23	-467.96	490.98	-6.90	13308.04	-8632.66
p3-s1	SLE-R-146	Min M2	-14405.27	-468.91	495.31	-10.14	8459.53	-8650.33
p3-s1	SLE-R-146	Max M3	-15166.56	-458.37	492.16	-6.29	11131.26	-8455.22
p3-s1	SLE-R-146	Min M3	-15038.88	-477.99	492.50	-9.28	10744.17	-8818.20
p3-s1	SLE-R-147	Max P	-13798.86	-481.50	-511.99	-10.25	-9819.75	-8857.84
p3-s1	SLE-R-147	Min P	-16037.81	-479.70	-504.15	-10.48	-12438.54	-8824.64
p3-s1	SLE-R-147	Max M2	-14394.82	-478.22	-509.49	-8.53	-8749.10	-8797.18
p3-s1	SLE-R-147	Min M2	-15560.24	-479.00	-505.10	-11.77	-13615.80	-8811.63
p3-s1	SLE-R-147	Max M3	-15233.87	-465.42	-506.53	-12.28	-11267.02	-8560.47
p3-s1	SLE-R-147	Min M3	-15153.26	-492.14	-506.62	-9.59	-11193.98	-9054.69
p3-s1	SLE-R-148	Max P	-13796.37	-480.95	-504.94	-8.19	-9669.66	-8847.78
p3-s1	SLE-R-148	Min P	-15966.66	-477.22	-513.12	-7.97	-6826.77	-8778.65
p3-s1	SLE-R-148	Max M2	-15468.05	-477.56	-512.26	-6.80	-5844.97	-8785.05
p3-s1	SLE-R-148	Min M2	-14413.09	-478.52	-507.93	-10.03	-10693.48	-8802.72

p3-s1	SLE-R-148	Max M3	-15174.38	-467.97	-511.08	-6.19	-8021.75	-8607.61
p3-s1	SLE-R-148	Min M3	-15046.70	-487.59	-510.74	-9.18	-8408.83	-8970.59
p3-s1	SLE-R-149	Max P	-13497.91	-471.09	491.37	-10.43	9129.73	-8690.60
p3-s1	SLE-R-149	Min P	-15736.86	-469.29	499.21	-10.66	6510.93	-8657.40
p3-s1	SLE-R-149	Max M2	-14093.86	-467.81	493.86	-8.71	10200.38	-8629.95
p3-s1	SLE-R-149	Min M2	-15259.28	-468.59	498.25	-11.95	5333.67	-8644.39
p3-s1	SLE-R-149	Max M3	-14932.91	-455.01	496.82	-12.46	7682.45	-8393.23
p3-s1	SLE-R-149	Min M3	-14852.31	-481.73	496.74	-9.77	7755.49	-8887.46
p3-s1	SLE-R-150	Max P	-13495.42	-470.55	498.42	-8.37	9279.81	-8680.54
p3-s1	SLE-R-150	Min P	-15665.71	-466.81	490.23	-8.15	12122.70	-8611.42
p3-s1	SLE-R-150	Max M2	-15167.09	-467.15	491.09	-6.98	13104.50	-8617.81
p3-s1	SLE-R-150	Min M2	-14112.14	-468.11	495.42	-10.21	8255.99	-8635.48
p3-s1	SLE-R-150	Max M3	-14873.43	-457.56	492.27	-6.37	10927.73	-8440.37
p3-s1	SLE-R-150	Min M3	-14745.75	-477.18	492.61	-9.36	10540.64	-8803.35
p3-s1	SLE-R-151	Max P	-13505.73	-480.69	-511.88	-10.32	-10023.28	-8842.99
p3-s1	SLE-R-151	Min P	-15744.68	-478.90	-504.04	-10.55	-12642.07	-8809.79
p3-s1	SLE-R-151	Max M2	-14101.68	-477.42	-509.38	-8.60	-8952.63	-8782.34
p3-s1	SLE-R-151	Min M2	-15267.10	-478.20	-504.99	-11.85	-13819.34	-8796.78
p3-s1	SLE-R-151	Max M3	-14940.73	-464.62	-506.42	-12.35	-11470.56	-8545.62
p3-s1	SLE-R-151	Min M3	-14860.12	-491.34	-506.51	-9.67	-11397.52	-9039.85
p3-s1	SLE-R-152	Max P	-13503.23	-480.15	-504.83	-8.26	-9873.19	-8832.93
p3-s1	SLE-R-152	Min P	-15673.52	-476.41	-513.01	-8.05	-7030.31	-8763.81
p3-s1	SLE-R-152	Max M2	-15174.91	-476.76	-512.16	-6.87	-6048.51	-8770.21
p3-s1	SLE-R-152	Min M2	-14119.95	-477.71	-507.82	-10.11	-10897.01	-8787.87
p3-s1	SLE-R-152	Max M3	-14881.25	-467.17	-510.97	-6.26	-8225.28	-8592.76
p3-s1	SLE-R-152	Min M3	-14753.57	-486.79	-510.63	-9.26	-8612.37	-8955.74
p3-s1	SLE-R-153	Max P	-13938.65	-473.65	491.16	-10.39	9314.32	-8738.04
p3-s1	SLE-R-153	Min P	-16177.61	-471.86	499.00	-10.62	6695.53	-8704.83
p3-s1	SLE-R-153	Max M2	-14534.61	-470.37	493.66	-8.67	10384.97	-8677.38
p3-s1	SLE-R-153	Min M2	-15700.03	-471.15	498.04	-11.91	5518.27	-8691.82
p3-s1	SLE-R-153	Max M3	-15373.66	-457.58	496.62	-12.42	7867.05	-8440.66
p3-s1	SLE-R-153	Min M3	-15293.05	-484.29	496.53	-9.73	7940.09	-8934.89
p3-s1	SLE-R-154	Max P	-13936.16	-473.11	498.21	-8.32	9464.41	-8727.97
p3-s1	SLE-R-154	Min P	-16106.45	-469.37	490.02	-8.11	12307.30	-8658.85
p3-s1	SLE-R-154	Max M2	-15607.84	-469.72	490.88	-6.94	13289.10	-8665.25
p3-s1	SLE-R-154	Min M2	-14552.88	-470.67	495.21	-10.17	8440.59	-8682.91
p3-s1	SLE-R-154	Max M3	-15314.17	-460.13	492.06	-6.32	11112.32	-8487.81
p3-s1	SLE-R-154	Min M3	-15186.50	-479.75	492.40	-9.32	10725.24	-8850.78
p3-s1	SLE-R-155	Max P	-13946.47	-483.26	-512.09	-10.28	-9838.69	-8890.43
p3-s1	SLE-R-155	Min P	-16185.42	-481.46	-504.25	-10.51	-12457.48	-8857.22
p3-s1	SLE-R-155	Max M2	-14542.43	-479.98	-509.59	-8.56	-8768.03	-8829.77
p3-s1	SLE-R-155	Min M2	-15707.85	-480.76	-505.20	-11.80	-13634.74	-8844.21
p3-s1	SLE-R-155	Max M3	-15381.48	-467.18	-506.63	-12.31	-11285.96	-8593.06
p3-s1	SLE-R-155	Min M3	-15300.87	-493.90	-506.72	-9.62	-11212.92	-9087.28
p3-s1	SLE-R-156	Max P	-13943.98	-482.71	-505.04	-8.22	-9688.60	-8880.36
p3-s1	SLE-R-156	Min P	-16114.27	-478.98	-513.22	-8.01	-6845.71	-8811.24
p3-s1	SLE-R-156	Max M2	-15615.66	-479.32	-512.36	-6.83	-5863.91	-8817.64
p3-s1	SLE-R-156	Min M2	-14560.70	-480.28	-508.03	-10.07	-10712.42	-8835.30
p3-s1	SLE-R-156	Max M3	-15321.99	-469.73	-511.18	-6.22	-8040.68	-8640.20
p3-s1	SLE-R-156	Min M3	-15194.31	-489.35	-510.84	-9.22	-8427.77	-9003.18
p3-s1	SLE-R-157	Max P	-13645.52	-472.85	491.27	-10.46	9110.79	-8723.19

p3-s1	SLE-R-157	Min P	-15884.47	-471.06	499.11	-10.69	6492.00	-8689.99
p3-s1	SLE-R-157	Max M2	-14241.47	-469.57	493.76	-8.74	10181.44	-8662.53
p3-s1	SLE-R-157	Min M2	-15406.89	-470.35	498.15	-11.98	5314.73	-8676.98
p3-s1	SLE-R-157	Max M3	-15080.52	-456.78	496.72	-12.49	7663.51	-8425.82
p3-s1	SLE-R-157	Min M3	-14999.92	-483.49	496.64	-9.80	7736.55	-8920.04
p3-s1	SLE-R-158	Max P	-13643.03	-472.31	498.32	-8.40	9260.88	-8713.13
p3-s1	SLE-R-158	Min P	-15813.32	-468.57	490.13	-8.19	12103.76	-8644.00
p3-s1	SLE-R-158	Max M2	-15314.70	-468.92	490.99	-7.01	13085.56	-8650.40
p3-s1	SLE-R-158	Min M2	-14259.75	-469.87	495.32	-10.25	8237.06	-8668.07
p3-s1	SLE-R-158	Max M3	-15021.04	-459.32	492.17	-6.40	10908.79	-8472.96
p3-s1	SLE-R-158	Min M3	-14893.36	-478.94	492.51	-9.40	10521.70	-8835.94
p3-s1	SLE-R-159	Max P	-13653.34	-482.46	-511.98	-10.36	-10042.22	-8875.58
p3-s1	SLE-R-159	Min P	-15892.29	-480.66	-504.14	-10.59	-12661.01	-8842.38
p3-s1	SLE-R-159	Max M2	-14249.29	-479.18	-509.48	-8.64	-8971.57	-8814.92
p3-s1	SLE-R-159	Min M2	-15414.71	-479.96	-505.09	-11.88	-13838.27	-8829.37
p3-s1	SLE-R-159	Max M3	-15088.34	-466.38	-506.52	-12.39	-11489.49	-8578.21
p3-s1	SLE-R-159	Min M3	-15007.74	-493.10	-506.61	-9.70	-11416.45	-9072.44
p3-s1	SLE-R-160	Max P	-13650.84	-481.91	-504.93	-8.30	-9892.13	-8865.52
p3-s1	SLE-R-160	Min P	-15821.13	-478.18	-513.11	-8.08	-7049.25	-8796.39
p3-s1	SLE-R-160	Max M2	-15322.52	-478.52	-512.25	-6.91	-6067.44	-8802.79
p3-s1	SLE-R-160	Min M2	-14267.56	-479.48	-507.92	-10.14	-10915.95	-8820.46
p3-s1	SLE-R-160	Max M3	-15028.86	-468.93	-511.07	-6.30	-8244.22	-8625.35
p3-s1	SLE-R-160	Min M3	-14901.18	-488.55	-510.73	-9.29	-8631.31	-8988.33
p3-s1	SLE-R-161	Max P	-13780.03	-243.00	490.61	-9.56	9331.12	-4470.87
p3-s1	SLE-R-161	Min P	-16018.98	-241.20	498.45	-9.79	6712.33	-4437.67
p3-s1	SLE-R-161	Max M2	-14375.98	-239.72	493.11	-7.84	10401.77	-4410.21
p3-s1	SLE-R-161	Min M2	-15541.40	-240.50	497.49	-11.08	5535.06	-4424.66
p3-s1	SLE-R-161	Max M3	-15215.03	-226.92	496.07	-11.59	7883.84	-4173.50
p3-s1	SLE-R-161	Min M3	-15134.42	-253.64	495.98	-8.90	7956.88	-4667.72
p3-s1	SLE-R-162	Max P	-13777.53	-242.45	497.66	-7.50	9481.21	-4460.81
p3-s1	SLE-R-162	Min P	-15947.82	-238.71	489.47	-7.29	12324.09	-4391.68
p3-s1	SLE-R-162	Max M2	-15449.21	-239.06	490.33	-6.11	13305.89	-4398.08
p3-s1	SLE-R-162	Min M2	-14394.25	-240.02	494.67	-9.35	8457.39	-4415.75
p3-s1	SLE-R-162	Max M3	-15155.55	-229.47	491.52	-5.50	11129.12	-4220.64
p3-s1	SLE-R-162	Min M3	-15027.87	-249.09	491.85	-8.50	10742.03	-4583.62
p3-s1	SLE-R-163	Max P	-13787.84	-252.60	-512.63	-9.46	-9821.89	-4623.26
p3-s1	SLE-R-163	Min P	-16026.80	-250.81	-504.80	-9.69	-12440.68	-4590.06
p3-s1	SLE-R-163	Max M2	-14383.80	-249.32	-510.14	-7.74	-8751.24	-4562.60
p3-s1	SLE-R-163	Min M2	-15549.22	-250.10	-505.75	-10.98	-13617.94	-4577.05
p3-s1	SLE-R-163	Max M3	-15222.85	-236.53	-507.18	-11.49	-11269.16	-4325.89
p3-s1	SLE-R-163	Min M3	-15142.24	-263.24	-507.26	-8.80	-11196.12	-4820.11
p3-s1	SLE-R-164	Max P	-13785.35	-252.06	-505.59	-7.40	-9671.80	-4613.20
p3-s1	SLE-R-164	Min P	-15955.64	-248.32	-513.77	-7.18	-6828.92	-4544.07
p3-s1	SLE-R-164	Max M2	-15457.03	-248.67	-512.91	-6.01	-5847.11	-4550.47
p3-s1	SLE-R-164	Min M2	-14402.07	-249.62	-508.58	-9.24	-10695.62	-4568.14
p3-s1	SLE-R-164	Max M3	-15163.36	-239.07	-511.73	-5.40	-8023.89	-4373.03
p3-s1	SLE-R-164	Min M3	-15035.69	-258.70	-511.39	-8.39	-8410.98	-4736.01
p3-s1	SLE-R-165	Max P	-13486.89	-242.19	490.72	-9.64	9127.58	-4456.02
p3-s1	SLE-R-165	Min P	-15725.85	-240.40	498.56	-9.87	6508.79	-4422.82
p3-s1	SLE-R-165	Max M2	-14082.85	-238.91	493.22	-7.92	10198.23	-4395.37
p3-s1	SLE-R-165	Min M2	-15248.27	-239.69	497.60	-11.16	5331.53	-4409.81

p3-s1	SLE-R-165	Max M3	-14921.90	-226.12	496.18	-11.67	7680.31	-4158.65
p3-s1	SLE-R-165	Min M3	-14841.29	-252.83	496.09	-8.98	7753.35	-4652.88
p3-s1	SLE-R-166	Max P	-13484.40	-241.65	497.77	-7.58	9277.67	-4445.96
p3-s1	SLE-R-166	Min P	-15654.69	-237.91	489.58	-7.36	12120.56	-4376.84
p3-s1	SLE-R-166	Max M2	-15156.08	-238.26	490.44	-6.19	13102.36	-4383.24
p3-s1	SLE-R-166	Min M2	-14101.12	-239.21	494.78	-9.42	8253.85	-4400.90
p3-s1	SLE-R-166	Max M3	-14862.41	-228.67	491.63	-5.58	10925.59	-4205.79
p3-s1	SLE-R-166	Min M3	-14734.74	-248.29	491.96	-8.57	10538.50	-4568.77
p3-s1	SLE-R-167	Max P	-13494.71	-251.80	-512.52	-9.54	-10025.42	-4608.42
p3-s1	SLE-R-167	Min P	-15733.66	-250.00	-504.69	-9.77	-12644.22	-4575.21
p3-s1	SLE-R-167	Max M2	-14090.67	-248.52	-510.03	-7.82	-8954.77	-4547.76
p3-s1	SLE-R-167	Min M2	-15256.09	-249.30	-505.64	-11.06	-13821.48	-4562.20
p3-s1	SLE-R-167	Max M3	-14929.72	-235.72	-507.07	-11.57	-11472.70	-4311.04
p3-s1	SLE-R-167	Min M3	-14849.11	-262.44	-507.15	-8.88	-11399.66	-4805.27
p3-s1	SLE-R-168	Max P	-13492.22	-251.25	-505.48	-7.47	-9875.33	-4598.35
p3-s1	SLE-R-168	Min P	-15662.51	-247.52	-513.66	-7.26	-7032.45	-4529.23
p3-s1	SLE-R-168	Max M2	-15163.90	-247.86	-512.80	-6.09	-6050.65	-4535.63
p3-s1	SLE-R-168	Min M2	-14108.94	-248.82	-508.47	-9.32	-10899.15	-4553.29
p3-s1	SLE-R-168	Max M3	-14870.23	-238.27	-511.62	-5.47	-8227.42	-4358.18
p3-s1	SLE-R-168	Min M3	-14742.55	-257.89	-511.28	-8.47	-8614.51	-4721.16
p3-s1	SLE-R-169	Max P	-13927.64	-244.76	490.51	-9.60	9312.18	-4503.46
p3-s1	SLE-R-169	Min P	-16166.59	-242.96	498.35	-9.83	6693.39	-4470.25
p3-s1	SLE-R-169	Max M2	-14523.59	-241.48	493.01	-7.88	10382.83	-4442.80
p3-s1	SLE-R-169	Min M2	-15689.01	-242.26	497.39	-11.12	5516.13	-4457.24
p3-s1	SLE-R-169	Max M3	-15362.64	-228.68	495.97	-11.63	7864.91	-4206.09
p3-s1	SLE-R-169	Min M3	-15282.04	-255.40	495.88	-8.94	7937.95	-4700.31
p3-s1	SLE-R-170	Max P	-13925.14	-244.21	497.56	-7.54	9462.27	-4493.39
p3-s1	SLE-R-170	Min P	-16095.43	-240.48	489.37	-7.32	12305.15	-4424.27
p3-s1	SLE-R-170	Max M2	-15596.82	-240.82	490.23	-6.15	13286.96	-4430.67
p3-s1	SLE-R-170	Min M2	-14541.86	-241.78	494.57	-9.38	8438.45	-4448.33
p3-s1	SLE-R-170	Max M3	-15303.16	-231.23	491.42	-5.54	11110.18	-4253.23
p3-s1	SLE-R-170	Min M3	-15175.48	-250.85	491.75	-8.53	10723.09	-4616.20
p3-s1	SLE-R-171	Max P	-13935.46	-254.36	-512.73	-9.49	-9840.83	-4655.85
p3-s1	SLE-R-171	Min P	-16174.41	-252.57	-504.90	-9.72	-12459.62	-4622.64
p3-s1	SLE-R-171	Max M2	-14531.41	-251.08	-510.24	-7.77	-8770.18	-4595.19
p3-s1	SLE-R-171	Min M2	-15696.83	-251.86	-505.85	-11.02	-13636.88	-4609.63
p3-s1	SLE-R-171	Max M3	-15370.46	-238.29	-507.28	-11.52	-11288.10	-4358.48
p3-s1	SLE-R-171	Min M3	-15289.85	-265.00	-507.36	-8.84	-11215.06	-4852.70
p3-s1	SLE-R-172	Max P	-13932.96	-253.82	-505.68	-7.43	-9690.74	-4645.78
p3-s1	SLE-R-172	Min P	-16103.25	-250.08	-513.87	-7.22	-6847.85	-4576.66
p3-s1	SLE-R-172	Max M2	-15604.64	-250.43	-513.01	-6.04	-5866.05	-4583.06
p3-s1	SLE-R-172	Min M2	-14549.68	-251.38	-508.68	-9.28	-10714.56	-4600.73
p3-s1	SLE-R-172	Max M3	-15310.97	-240.84	-511.83	-5.43	-8042.83	-4405.62
p3-s1	SLE-R-172	Min M3	-15183.30	-260.46	-511.49	-8.43	-8429.91	-4768.60
p3-s1	SLE-R-173	Max P	-13634.50	-243.95	490.62	-9.68	9108.65	-4488.61
p3-s1	SLE-R-173	Min P	-15873.46	-242.16	498.46	-9.91	6489.85	-4455.41
p3-s1	SLE-R-173	Max M2	-14230.46	-240.68	493.12	-7.95	10179.30	-4427.95
p3-s1	SLE-R-173	Min M2	-15395.88	-241.46	497.50	-11.20	5312.59	-4442.40
p3-s1	SLE-R-173	Max M3	-15069.51	-227.88	496.08	-11.71	7661.37	-4191.24
p3-s1	SLE-R-173	Min M3	-14988.90	-254.60	495.99	-9.02	7734.41	-4685.47
p3-s1	SLE-R-174	Max P	-13632.01	-243.41	497.67	-7.61	9258.74	-4478.55

p3-s1	SLE-R-174	Min P	-15802.30	-239.67	489.48	-7.40	12101.62	-4409.42
p3-s1	SLE-R-174	Max M2	-15303.69	-240.02	490.34	-6.23	13083.42	-4415.82
p3-s1	SLE-R-174	Min M2	-14248.73	-240.97	494.68	-9.46	8234.92	-4433.49
p3-s1	SLE-R-174	Max M3	-15010.02	-230.43	491.53	-5.61	10906.65	-4238.38
p3-s1	SLE-R-174	Min M3	-14882.35	-250.05	491.86	-8.61	10519.56	-4601.36
p3-s1	SLE-R-175	Max P	-13642.32	-253.56	-512.62	-9.57	-10044.36	-4641.00
p3-s1	SLE-R-175	Min P	-15881.27	-251.77	-504.79	-9.80	-12663.15	-4607.80
p3-s1	SLE-R-175	Max M2	-14238.28	-250.28	-510.13	-7.85	-8973.71	-4580.35
p3-s1	SLE-R-175	Min M2	-15403.70	-251.06	-505.74	-11.09	-13840.41	-4594.79
p3-s1	SLE-R-175	Max M3	-15077.33	-237.49	-507.17	-11.60	-11491.64	-4343.63
p3-s1	SLE-R-175	Min M3	-14996.72	-264.20	-507.25	-8.91	-11418.59	-4837.86
p3-s1	SLE-R-176	Max P	-13639.83	-253.02	-505.58	-7.51	-9894.27	-4630.94
p3-s1	SLE-R-176	Min P	-15810.12	-249.28	-513.76	-7.30	-7051.39	-4561.81
p3-s1	SLE-R-176	Max M2	-15311.51	-249.63	-512.90	-6.12	-6069.59	-4568.21
p3-s1	SLE-R-176	Min M2	-14256.55	-250.58	-508.57	-9.36	-10918.09	-4585.88
p3-s1	SLE-R-176	Max M3	-15017.84	-240.03	-511.72	-5.51	-8246.36	-4390.77
p3-s1	SLE-R-176	Min M3	-14890.16	-259.65	-511.38	-8.50	-8633.45	-4753.75
p3-s1	SLE-R-177	Max P	-13781.58	-243.56	378.11	-19.00	6945.41	-4481.41
p3-s1	SLE-R-177	Min P	-16020.54	-241.77	385.95	-19.23	4326.62	-4448.20
p3-s1	SLE-R-177	Max M2	-14377.54	-240.29	380.61	-17.28	8016.06	-4420.75
p3-s1	SLE-R-177	Min M2	-15542.96	-241.07	385.00	-20.52	3149.36	-4435.20
p3-s1	SLE-R-177	Max M3	-15216.59	-227.49	383.57	-21.03	5498.14	-4184.04
p3-s1	SLE-R-177	Min M3	-15135.98	-254.21	383.48	-18.34	5571.18	-4678.26
p3-s1	SLE-R-178	Max P	-13779.09	-243.02	385.16	-16.94	7095.50	-4471.34
p3-s1	SLE-R-178	Min P	-15949.38	-239.28	376.98	-16.73	9938.39	-4402.22
p3-s1	SLE-R-178	Max M2	-15450.77	-239.63	377.84	-15.55	10920.19	-4408.62
p3-s1	SLE-R-178	Min M2	-14395.81	-240.59	382.17	-18.79	6071.68	-4426.29
p3-s1	SLE-R-178	Max M3	-15157.10	-230.04	379.02	-14.94	8743.41	-4231.18
p3-s1	SLE-R-178	Min M3	-15029.42	-249.66	379.36	-17.93	8356.33	-4594.16
p3-s1	SLE-R-179	Max P	-13789.40	-253.17	-625.13	-18.90	-12207.60	-4633.80
p3-s1	SLE-R-179	Min P	-16028.35	-251.38	-617.29	-19.13	-14826.39	-4600.60
p3-s1	SLE-R-179	Max M2	-14385.36	-249.89	-622.63	-17.18	-11136.94	-4573.14
p3-s1	SLE-R-179	Min M2	-15550.78	-250.67	-618.25	-20.42	-16003.65	-4587.59
p3-s1	SLE-R-179	Max M3	-15224.41	-237.10	-619.67	-20.93	-13654.87	-4336.43
p3-s1	SLE-R-179	Min M3	-15143.80	-263.81	-619.76	-18.24	-13581.83	-4830.65
p3-s1	SLE-R-180	Max P	-13786.91	-252.63	-618.08	-16.84	-12057.51	-4623.74
p3-s1	SLE-R-180	Min P	-15957.20	-248.89	-626.27	-16.62	-9214.62	-4554.61
p3-s1	SLE-R-180	Max M2	-15458.59	-249.24	-625.41	-15.45	-8232.82	-4561.01
p3-s1	SLE-R-180	Min M2	-14403.63	-250.19	-621.07	-18.68	-13081.33	-4578.68
p3-s1	SLE-R-180	Max M3	-15164.92	-239.64	-624.22	-14.84	-10409.59	-4383.57
p3-s1	SLE-R-180	Min M3	-15037.24	-259.26	-623.89	-17.83	-10796.68	-4746.55
p3-s1	SLE-R-181	Max P	-13488.45	-242.76	378.22	-19.08	6741.88	-4466.56
p3-s1	SLE-R-181	Min P	-15727.40	-240.97	386.06	-19.31	4123.09	-4433.36
p3-s1	SLE-R-181	Max M2	-14084.40	-239.48	380.72	-17.36	7812.53	-4405.91
p3-s1	SLE-R-181	Min M2	-15249.82	-240.26	385.11	-20.60	2945.82	-4420.35
p3-s1	SLE-R-181	Max M3	-14923.45	-226.69	383.68	-21.11	5294.60	-4169.19
p3-s1	SLE-R-181	Min M3	-14842.85	-253.40	383.59	-18.42	5367.64	-4663.42
p3-s1	SLE-R-182	Max P	-13485.96	-242.22	385.27	-17.02	6891.97	-4456.50
p3-s1	SLE-R-182	Min P	-15656.25	-238.48	377.09	-16.80	9734.85	-4387.38
p3-s1	SLE-R-182	Max M2	-15157.63	-238.83	377.95	-15.63	10716.65	-4393.77
p3-s1	SLE-R-182	Min M2	-14102.68	-239.78	382.28	-18.86	5868.15	-4411.44

p3-s1	SLE-R-182	Max M3	-14863.97	-229.24	379.13	-15.02	8539.88	-4216.33
p3-s1	SLE-R-182	Min M3	-14736.29	-248.86	379.47	-18.01	8152.79	-4579.31
p3-s1	SLE-R-183	Max P	-13496.27	-252.37	-625.02	-18.98	-12411.13	-4618.95
p3-s1	SLE-R-183	Min P	-15735.22	-250.57	-617.18	-19.21	-15029.92	-4585.75
p3-s1	SLE-R-183	Max M2	-14092.22	-249.09	-622.52	-17.25	-11340.48	-4558.30
p3-s1	SLE-R-183	Min M2	-15257.64	-249.87	-618.14	-20.50	-16207.18	-4572.74
p3-s1	SLE-R-183	Max M3	-14931.27	-236.29	-619.56	-21.01	-13858.40	-4321.58
p3-s1	SLE-R-183	Min M3	-14850.66	-263.01	-619.65	-18.32	-13785.36	-4815.81
p3-s1	SLE-R-184	Max P	-13493.77	-251.82	-617.97	-16.91	-12261.04	-4608.89
p3-s1	SLE-R-184	Min P	-15664.06	-248.09	-626.16	-16.70	-9418.16	-4539.77
p3-s1	SLE-R-184	Max M2	-15165.45	-248.43	-625.30	-15.53	-8436.35	-4546.17
p3-s1	SLE-R-184	Min M2	-14110.49	-249.39	-620.96	-18.76	-13284.86	-4563.83
p3-s1	SLE-R-184	Max M3	-14871.79	-238.84	-624.12	-14.91	-10613.13	-4368.72
p3-s1	SLE-R-184	Min M3	-14744.11	-258.46	-623.78	-17.91	-11000.22	-4731.70
p3-s1	SLE-R-185	Max P	-13929.19	-245.33	378.01	-19.04	6926.47	-4514.00
p3-s1	SLE-R-185	Min P	-16168.15	-243.53	385.85	-19.27	4307.68	-4480.79
p3-s1	SLE-R-185	Max M2	-14525.15	-242.05	380.51	-17.32	7997.12	-4453.34
p3-s1	SLE-R-185	Min M2	-15690.57	-242.83	384.90	-20.56	3130.42	-4467.78
p3-s1	SLE-R-185	Max M3	-15364.20	-229.25	383.47	-21.07	5479.20	-4216.62
p3-s1	SLE-R-185	Min M3	-15283.59	-255.97	383.38	-18.38	5552.24	-4710.85
p3-s1	SLE-R-186	Max P	-13926.70	-244.78	385.06	-16.98	7076.56	-4503.93
p3-s1	SLE-R-186	Min P	-16096.99	-241.05	376.88	-16.76	9919.45	-4434.81
p3-s1	SLE-R-186	Max M2	-15598.38	-241.39	377.74	-15.59	10901.25	-4441.21
p3-s1	SLE-R-186	Min M2	-14543.42	-242.35	382.07	-18.82	6052.74	-4458.87
p3-s1	SLE-R-186	Max M3	-15304.71	-231.80	378.92	-14.97	8724.48	-4263.77
p3-s1	SLE-R-186	Min M3	-15177.04	-251.42	379.26	-17.97	8337.39	-4626.74
p3-s1	SLE-R-187	Max P	-13937.01	-254.93	-625.23	-18.93	-12226.53	-4666.39
p3-s1	SLE-R-187	Min P	-16175.96	-253.14	-617.39	-19.16	-14845.33	-4633.18
p3-s1	SLE-R-187	Max M2	-14532.97	-251.65	-622.73	-17.21	-11155.88	-4605.73
p3-s1	SLE-R-187	Min M2	-15698.39	-252.43	-618.35	-20.45	-16022.59	-4620.17
p3-s1	SLE-R-187	Max M3	-15372.02	-238.86	-619.77	-20.96	-13673.81	-4369.02
p3-s1	SLE-R-187	Min M3	-15291.41	-265.57	-619.86	-18.27	-13600.77	-4863.24
p3-s1	SLE-R-188	Max P	-13934.52	-254.39	-618.18	-16.87	-12076.44	-4656.32
p3-s1	SLE-R-188	Min P	-16104.81	-250.65	-626.37	-16.66	-9233.56	-4587.20
p3-s1	SLE-R-188	Max M2	-15606.20	-251.00	-625.51	-15.48	-8251.76	-4593.60
p3-s1	SLE-R-188	Min M2	-14551.24	-251.95	-621.17	-18.72	-13100.26	-4611.26
p3-s1	SLE-R-188	Max M3	-15312.53	-241.41	-624.32	-14.87	-10428.53	-4416.16
p3-s1	SLE-R-188	Min M3	-15184.85	-261.03	-623.99	-17.87	-10815.62	-4779.13
p3-s1	SLE-R-189	Max P	-13636.06	-244.52	378.12	-19.11	6722.94	-4499.15
p3-s1	SLE-R-189	Min P	-15875.01	-242.73	385.96	-19.34	4104.15	-4465.95
p3-s1	SLE-R-189	Max M2	-14232.01	-241.25	380.62	-17.39	7793.59	-4438.49
p3-s1	SLE-R-189	Min M2	-15397.43	-242.03	385.01	-20.64	2926.89	-4452.94
p3-s1	SLE-R-189	Max M3	-15071.06	-228.45	383.58	-21.14	5275.67	-4201.78
p3-s1	SLE-R-189	Min M3	-14990.46	-255.16	383.49	-18.45	5348.71	-4696.00
p3-s1	SLE-R-190	Max P	-13633.57	-243.98	385.17	-17.05	6873.03	-4489.09
p3-s1	SLE-R-190	Min P	-15803.86	-240.24	376.99	-16.84	9715.91	-4419.96
p3-s1	SLE-R-190	Max M2	-15305.24	-240.59	377.85	-15.66	10697.72	-4426.36
p3-s1	SLE-R-190	Min M2	-14250.29	-241.54	382.18	-18.90	5849.21	-4444.03
p3-s1	SLE-R-190	Max M3	-15011.58	-231.00	379.03	-15.05	8520.94	-4248.92
p3-s1	SLE-R-190	Min M3	-14883.90	-250.62	379.37	-18.05	8133.85	-4611.90
p3-s1	SLE-R-191	Max P	-13643.88	-254.13	-625.12	-19.01	-12430.07	-4651.54

p3-s1	SLE-R-191	Min P	-15882.83	-252.33	-617.28	-19.24	-15048.86	-4618.34
p3-s1	SLE-R-191	Max M2	-14239.83	-250.85	-622.62	-17.29	-11359.42	-4590.88
p3-s1	SLE-R-191	Min M2	-15405.25	-251.63	-618.24	-20.53	-16226.12	-4605.33
p3-s1	SLE-R-191	Max M3	-15078.88	-238.06	-619.66	-21.04	-13877.34	-4354.17
p3-s1	SLE-R-191	Min M3	-14998.28	-264.77	-619.75	-18.35	-13804.30	-4848.40
p3-s1	SLE-R-192	Max P	-13641.38	-253.59	-618.07	-16.95	-12279.98	-4641.48
p3-s1	SLE-R-192	Min P	-15811.67	-249.85	-626.26	-16.74	-9437.09	-4572.35
p3-s1	SLE-R-192	Max M2	-15313.06	-250.19	-625.40	-15.56	-8455.29	-4578.75
p3-s1	SLE-R-192	Min M2	-14258.10	-251.15	-621.06	-18.79	-13303.80	-4596.42
p3-s1	SLE-R-192	Max M3	-15019.40	-240.60	-624.21	-14.95	-10632.07	-4401.31
p3-s1	SLE-R-192	Min M3	-14891.72	-260.22	-623.88	-17.94	-11019.15	-4764.29
p3-s1	SLE-R-193	Max P	-13777.84	-237.96	838.70	-2.52	15971.95	-4386.17
p3-s1	SLE-R-193	Min P	-16016.80	-236.17	846.53	-2.75	13353.15	-4352.97
p3-s1	SLE-R-193	Max M2	-14373.80	-234.68	841.19	-0.80	17042.60	-4325.51
p3-s1	SLE-R-193	Min M2	-15539.22	-235.46	845.58	-4.04	12175.89	-4339.96
p3-s1	SLE-R-193	Max M3	-15212.85	-221.89	844.15	-4.55	14524.67	-4088.80
p3-s1	SLE-R-193	Min M3	-15132.24	-248.60	844.07	-1.86	14597.71	-4583.02
p3-s1	SLE-R-194	Max P	-13775.35	-237.42	845.74	-0.46	16122.04	-4376.11
p3-s1	SLE-R-194	Min P	-15945.64	-233.68	837.56	-0.24	18964.92	-4306.98
p3-s1	SLE-R-194	Max M2	-15447.03	-234.03	838.42	0.93	19946.72	-4313.38
p3-s1	SLE-R-194	Min M2	-14392.07	-234.98	842.75	-2.30	15098.22	-4331.05
p3-s1	SLE-R-194	Max M3	-15153.36	-224.43	839.60	1.54	17769.95	-4135.94
p3-s1	SLE-R-194	Min M3	-15025.69	-244.06	839.94	-1.45	17382.86	-4498.92
p3-s1	SLE-R-195	Max P	-13790.88	-253.97	-833.38	-2.35	-15949.73	-4640.15
p3-s1	SLE-R-195	Min P	-16029.83	-252.18	-825.54	-2.58	-18568.52	-4606.95
p3-s1	SLE-R-195	Max M2	-14386.83	-250.69	-830.88	-0.62	-14879.08	-4579.50
p3-s1	SLE-R-195	Min M2	-15552.25	-251.47	-826.49	-3.87	-19745.79	-4593.94
p3-s1	SLE-R-195	Max M3	-15225.88	-237.90	-827.92	-4.38	-17397.01	-4342.78
p3-s1	SLE-R-195	Min M3	-15145.27	-264.61	-828.01	-1.69	-17323.97	-4837.01
p3-s1	SLE-R-196	Max P	-13788.38	-253.43	-826.33	-0.28	-15799.64	-4630.09
p3-s1	SLE-R-196	Min P	-15958.67	-249.69	-834.51	-0.07	-12956.76	-4560.97
p3-s1	SLE-R-196	Max M2	-15460.06	-250.04	-833.65	1.10	-11974.96	-4567.37
p3-s1	SLE-R-196	Min M2	-14405.10	-250.99	-829.32	-2.13	-16823.46	-4585.03
p3-s1	SLE-R-196	Max M3	-15166.39	-240.44	-832.47	1.72	-14151.73	-4389.92
p3-s1	SLE-R-196	Min M3	-15038.72	-260.06	-832.13	-1.28	-14538.82	-4752.90
p3-s1	SLE-R-197	Max P	-13484.71	-237.16	838.81	-2.60	15768.41	-4371.32
p3-s1	SLE-R-197	Min P	-15723.66	-235.36	846.64	-2.83	13149.62	-4338.12
p3-s1	SLE-R-197	Max M2	-14080.67	-233.88	841.30	-0.87	16839.06	-4310.67
p3-s1	SLE-R-197	Min M2	-15246.09	-234.66	845.69	-4.12	11972.36	-4325.11
p3-s1	SLE-R-197	Max M3	-14919.72	-221.08	844.26	-4.63	14321.14	-4073.95
p3-s1	SLE-R-197	Min M3	-14839.11	-247.80	844.18	-1.94	14394.18	-4568.18
p3-s1	SLE-R-198	Max P	-13482.22	-236.61	845.85	-0.53	15918.50	-4361.26
p3-s1	SLE-R-198	Min P	-15652.51	-232.88	837.67	-0.32	18761.39	-4292.14
p3-s1	SLE-R-198	Max M2	-15153.90	-233.22	838.53	0.85	19743.19	-4298.54
p3-s1	SLE-R-198	Min M2	-14098.94	-234.18	842.86	-2.38	14894.68	-4316.20
p3-s1	SLE-R-198	Max M3	-14860.23	-223.63	839.71	1.47	17566.41	-4121.09
p3-s1	SLE-R-198	Min M3	-14732.55	-243.25	840.05	-1.53	17179.33	-4484.07
p3-s1	SLE-R-199	Max P	-13497.74	-253.17	-833.27	-2.42	-16153.27	-4625.31
p3-s1	SLE-R-199	Min P	-15736.69	-251.37	-825.43	-2.65	-18772.06	-4592.11
p3-s1	SLE-R-199	Max M2	-14093.70	-249.89	-830.77	-0.70	-15082.62	-4564.65
p3-s1	SLE-R-199	Min M2	-15259.12	-250.67	-826.39	-3.94	-19949.32	-4579.10

p3-s1	SLE-R-199	Max M3	-14932.75	-237.09	-827.81	-4.45	-17600.54	-4327.94
p3-s1	SLE-R-199	Min M3	-14852.14	-263.81	-827.90	-1.76	-17527.50	-4822.16
p3-s1	SLE-R-200	Max P	-13495.25	-252.62	-826.22	-0.36	-16003.18	-4615.25
p3-s1	SLE-R-200	Min P	-15665.54	-248.89	-834.40	-0.15	-13160.29	-4546.12
p3-s1	SLE-R-200	Max M2	-15166.93	-249.23	-833.55	1.03	-12178.49	-4552.52
p3-s1	SLE-R-200	Min M2	-14111.97	-250.19	-829.21	-2.21	-17027.00	-4570.19
p3-s1	SLE-R-200	Max M3	-14873.26	-239.64	-832.36	1.64	-14355.27	-4375.08
p3-s1	SLE-R-200	Min M3	-14745.58	-259.26	-832.02	-1.36	-14742.35	-4738.06
p3-s1	SLE-R-201	Max P	-13925.46	-239.72	838.60	-2.55	15953.01	-4418.76
p3-s1	SLE-R-201	Min P	-16164.41	-237.93	846.43	-2.78	13334.22	-4385.55
p3-s1	SLE-R-201	Max M2	-14521.41	-236.44	841.09	-0.83	17023.66	-4358.10
p3-s1	SLE-R-201	Min M2	-15686.83	-237.22	845.48	-4.07	12156.96	-4372.54
p3-s1	SLE-R-201	Max M3	-15360.46	-223.65	844.05	-4.58	14505.73	-4121.39
p3-s1	SLE-R-201	Min M3	-15279.85	-250.36	843.97	-1.89	14578.78	-4615.61
p3-s1	SLE-R-202	Max P	-13922.96	-239.18	845.64	-0.49	16103.10	-4408.69
p3-s1	SLE-R-202	Min P	-16093.25	-235.44	837.46	-0.28	18945.98	-4339.57
p3-s1	SLE-R-202	Max M2	-15594.64	-235.79	838.32	0.90	19927.78	-4345.97
p3-s1	SLE-R-202	Min M2	-14539.68	-236.74	842.65	-2.34	15079.28	-4363.63
p3-s1	SLE-R-202	Max M3	-15300.97	-226.20	839.50	1.51	17751.01	-4168.53
p3-s1	SLE-R-202	Min M3	-15173.30	-245.82	839.84	-1.49	17363.92	-4531.51
p3-s1	SLE-R-203	Max P	-13938.49	-255.73	-833.48	-2.38	-15968.67	-4672.74
p3-s1	SLE-R-203	Min P	-16177.44	-253.94	-825.64	-2.61	-18587.46	-4639.54
p3-s1	SLE-R-203	Max M2	-14534.44	-252.45	-830.98	-0.66	-14898.02	-4612.09
p3-s1	SLE-R-203	Min M2	-15699.86	-253.23	-826.59	-3.90	-19764.72	-4626.53
p3-s1	SLE-R-203	Max M3	-15373.49	-239.66	-828.02	-4.41	-17415.94	-4375.37
p3-s1	SLE-R-203	Min M3	-15292.88	-266.37	-828.11	-1.72	-17342.90	-4869.60
p3-s1	SLE-R-204	Max P	-13935.99	-255.19	-826.43	-0.32	-15818.58	-4662.68
p3-s1	SLE-R-204	Min P	-16106.28	-251.45	-834.61	-0.11	-12975.70	-4593.55
p3-s1	SLE-R-204	Max M2	-15607.67	-251.80	-833.75	1.07	-11993.89	-4599.95
p3-s1	SLE-R-204	Min M2	-14552.71	-252.75	-829.42	-2.16	-16842.40	-4617.62
p3-s1	SLE-R-204	Max M3	-15314.01	-242.21	-832.57	1.68	-14170.67	-4422.51
p3-s1	SLE-R-204	Min M3	-15186.33	-261.83	-832.23	-1.31	-14557.76	-4785.49
p3-s1	SLE-R-205	Max P	-13632.32	-238.92	838.71	-2.63	15749.47	-4403.91
p3-s1	SLE-R-205	Min P	-15871.27	-237.12	846.54	-2.86	13130.68	-4370.71
p3-s1	SLE-R-205	Max M2	-14228.28	-235.64	841.20	-0.91	16820.13	-4343.26
p3-s1	SLE-R-205	Min M2	-15393.70	-236.42	845.59	-4.15	11953.42	-4357.70
p3-s1	SLE-R-205	Max M3	-15067.33	-222.85	844.16	-4.66	14302.20	-4106.54
p3-s1	SLE-R-205	Min M3	-14986.72	-249.56	844.08	-1.97	14375.24	-4600.77
p3-s1	SLE-R-206	Max P	-13629.83	-238.38	845.75	-0.57	15899.56	-4393.85
p3-s1	SLE-R-206	Min P	-15800.12	-234.64	837.57	-0.35	18742.45	-4324.72
p3-s1	SLE-R-206	Max M2	-15301.51	-234.99	838.43	0.82	19724.25	-4331.12
p3-s1	SLE-R-206	Min M2	-14246.55	-235.94	842.76	-2.41	14875.74	-4348.79
p3-s1	SLE-R-206	Max M3	-15007.84	-225.39	839.61	1.43	17547.48	-4153.68
p3-s1	SLE-R-206	Min M3	-14880.16	-245.01	839.95	-1.56	17160.39	-4516.66
p3-s1	SLE-R-207	Max P	-13645.35	-254.93	-833.37	-2.46	-16172.20	-4657.90
p3-s1	SLE-R-207	Min P	-15884.30	-253.13	-825.53	-2.69	-18791.00	-4624.69
p3-s1	SLE-R-207	Max M2	-14241.31	-251.65	-830.87	-0.74	-15101.55	-4597.24
p3-s1	SLE-R-207	Min M2	-15406.73	-252.43	-826.48	-3.98	-19968.26	-4611.68
p3-s1	SLE-R-207	Max M3	-15080.36	-238.86	-827.91	-4.49	-17619.48	-4360.53
p3-s1	SLE-R-207	Min M3	-14999.75	-265.57	-828.00	-1.80	-17546.44	-4854.75
p3-s1	SLE-R-208	Max P	-13642.86	-254.39	-826.32	-0.40	-16022.11	-4647.83

p3-s1	SLE-R-208	Min P	-15813.15	-250.65	-834.50	-0.18	-13179.23	-4578.71
p3-s1	SLE-R-208	Max M2	-15314.54	-250.99	-833.65	0.99	-12197.43	-4585.11
p3-s1	SLE-R-208	Min M2	-14259.58	-251.95	-829.31	-2.24	-17045.93	-4602.77
p3-s1	SLE-R-208	Max M3	-15020.87	-241.40	-832.46	1.60	-14374.20	-4407.67
p3-s1	SLE-R-208	Min M3	-14893.19	-261.02	-832.12	-1.39	-14761.29	-4770.65
p3-s1	SLE-R-209	Max P	-13734.84	-396.37	508.70	-3.09	9702.35	-7283.54
p3-s1	SLE-R-209	Min P	-15973.79	-394.58	516.54	-3.32	7083.55	-7250.34
p3-s1	SLE-R-209	Max M2	-14330.79	-393.09	511.20	-1.37	10773.00	-7222.89
p3-s1	SLE-R-209	Min M2	-15496.21	-393.87	515.59	-4.61	5906.29	-7237.33
p3-s1	SLE-R-209	Max M3	-15169.84	-380.30	514.16	-5.12	8255.07	-6986.17
p3-s1	SLE-R-209	Min M3	-15089.24	-407.01	514.07	-2.43	8328.11	-7480.40
p3-s1	SLE-R-210	Max P	-13732.35	-395.83	515.75	-1.02	9852.44	-7273.48
p3-s1	SLE-R-210	Min P	-15902.64	-392.09	507.57	-0.81	12695.32	-7204.36
p3-s1	SLE-R-210	Max M2	-15404.02	-392.44	508.43	0.36	13677.12	-7210.76
p3-s1	SLE-R-210	Min M2	-14349.07	-393.39	512.76	-2.87	8828.62	-7228.42
p3-s1	SLE-R-210	Max M3	-15110.36	-382.85	509.61	0.98	11500.35	-7033.31
p3-s1	SLE-R-210	Min M3	-14982.68	-402.47	509.95	-2.02	11113.26	-7396.29
p3-s1	SLE-R-211	Max P	-13742.66	-405.98	-494.54	-2.98	-9450.66	-7435.93
p3-s1	SLE-R-211	Min P	-15981.61	-404.18	-486.70	-3.21	-12069.45	-7402.73
p3-s1	SLE-R-211	Max M2	-14338.61	-402.70	-492.04	-1.26	-8380.01	-7375.28
p3-s1	SLE-R-211	Min M2	-15504.03	-403.48	-487.66	-4.50	-13246.71	-7389.72
p3-s1	SLE-R-211	Max M3	-15177.66	-389.90	-489.08	-5.01	-10897.94	-7138.56
p3-s1	SLE-R-211	Min M3	-15097.06	-416.62	-489.17	-2.32	-10824.89	-7632.79
p3-s1	SLE-R-212	Max P	-13740.16	-405.43	-487.49	-0.92	-9300.57	-7425.87
p3-s1	SLE-R-212	Min P	-15910.45	-401.70	-495.68	-0.71	-6457.69	-7356.75
p3-s1	SLE-R-212	Max M2	-15411.84	-402.04	-494.82	0.47	-5475.89	-7363.15
p3-s1	SLE-R-212	Min M2	-14356.88	-403.00	-490.48	-2.77	-10324.39	-7380.81
p3-s1	SLE-R-212	Max M3	-15118.18	-392.45	-493.63	1.08	-7652.66	-7185.70
p3-s1	SLE-R-212	Min M3	-14990.50	-412.07	-493.30	-1.92	-8039.75	-7548.68
p3-s1	SLE-R-213	Max P	-13441.70	-395.57	508.81	-3.16	9498.81	-7268.70
p3-s1	SLE-R-213	Min P	-15680.66	-393.77	516.65	-3.39	6880.02	-7235.50
p3-s1	SLE-R-213	Max M2	-14037.66	-392.29	511.31	-1.44	10569.46	-7208.04
p3-s1	SLE-R-213	Min M2	-15203.08	-393.07	515.70	-4.68	5702.76	-7222.49
p3-s1	SLE-R-213	Max M3	-14876.71	-379.50	514.27	-5.19	8051.54	-6971.33
p3-s1	SLE-R-213	Min M3	-14796.10	-406.21	514.18	-2.50	8124.58	-7465.55
p3-s1	SLE-R-214	Max P	-13439.21	-395.03	515.86	-1.10	9648.90	-7258.64
p3-s1	SLE-R-214	Min P	-15609.50	-391.29	507.68	-0.89	12491.79	-7189.51
p3-s1	SLE-R-214	Max M2	-15110.89	-391.64	508.54	0.29	13473.59	-7195.91
p3-s1	SLE-R-214	Min M2	-14055.93	-392.59	512.87	-2.95	8625.08	-7213.58
p3-s1	SLE-R-214	Max M3	-14817.22	-382.04	509.72	0.90	11296.81	-7018.47
p3-s1	SLE-R-214	Min M3	-14689.55	-401.66	510.06	-2.10	10909.73	-7381.45
p3-s1	SLE-R-215	Max P	-13449.52	-405.18	-494.43	-3.06	-9654.20	-7421.09
p3-s1	SLE-R-215	Min P	-15688.48	-403.38	-486.59	-3.29	-12272.99	-7387.89
p3-s1	SLE-R-215	Max M2	-14045.48	-401.90	-491.93	-1.34	-8583.54	-7360.43
p3-s1	SLE-R-215	Min M2	-15210.90	-402.68	-487.55	-4.58	-13450.25	-7374.88
p3-s1	SLE-R-215	Max M3	-14884.53	-389.10	-488.97	-5.09	-11101.47	-7123.72
p3-s1	SLE-R-215	Min M3	-14803.92	-415.82	-489.06	-2.40	-11028.43	-7617.94
p3-s1	SLE-R-216	Max P	-13447.03	-404.63	-487.38	-1.00	-9504.11	-7411.03
p3-s1	SLE-R-216	Min P	-15617.32	-400.89	-495.57	-0.78	-6661.22	-7341.90
p3-s1	SLE-R-216	Max M2	-15118.71	-401.24	-494.71	0.39	-5679.42	-7348.30
p3-s1	SLE-R-216	Min M2	-14063.75	-402.20	-490.37	-2.84	-10527.93	-7365.97

p3-s1	SLE-R-216	Max M3	-14825.04	-391.65	-493.53	1.00	-7856.19	-7170.86
p3-s1	SLE-R-216	Min M3	-14697.37	-411.27	-493.19	-1.99	-8243.28	-7533.84
p3-s1	SLE-R-217	Max P	-13980.86	-399.31	508.54	-3.14	9670.78	-7337.86
p3-s1	SLE-R-217	Min P	-16219.81	-397.51	516.38	-3.37	7051.99	-7304.65
p3-s1	SLE-R-217	Max M2	-14576.81	-396.03	511.03	-1.42	10741.43	-7277.20
p3-s1	SLE-R-217	Min M2	-15742.23	-396.81	515.42	-4.67	5874.73	-7291.64
p3-s1	SLE-R-217	Max M3	-15415.86	-383.23	513.99	-5.17	8223.51	-7040.49
p3-s1	SLE-R-217	Min M3	-15335.25	-409.95	513.91	-2.49	8296.55	-7534.71
p3-s1	SLE-R-218	Max P	-13978.36	-398.76	515.59	-1.08	9820.87	-7327.79
p3-s1	SLE-R-218	Min P	-16148.65	-395.03	507.40	-0.87	12663.76	-7258.67
p3-s1	SLE-R-218	Max M2	-15650.04	-395.37	508.26	0.31	13645.56	-7265.07
p3-s1	SLE-R-218	Min M2	-14595.08	-396.33	512.59	-2.93	8797.05	-7282.73
p3-s1	SLE-R-218	Max M3	-15356.38	-385.78	509.44	0.92	11468.78	-7087.63
p3-s1	SLE-R-218	Min M3	-15228.70	-405.40	509.78	-2.08	11081.70	-7450.60
p3-s1	SLE-R-219	Max P	-13988.67	-408.91	-494.71	-3.04	-9482.22	-7490.25
p3-s1	SLE-R-219	Min P	-16227.63	-407.12	-486.87	-3.27	-12101.02	-7457.04
p3-s1	SLE-R-219	Max M2	-14584.63	-405.63	-492.21	-1.32	-8411.57	-7429.59
p3-s1	SLE-R-219	Min M2	-15750.05	-406.42	-487.82	-4.56	-13278.28	-7444.03
p3-s1	SLE-R-219	Max M3	-15423.68	-392.84	-489.25	-5.07	-10929.50	-7192.88
p3-s1	SLE-R-219	Min M3	-15343.07	-419.55	-489.34	-2.38	-10856.46	-7687.10
p3-s1	SLE-R-220	Max P	-13986.18	-408.37	-487.66	-0.98	-9332.13	-7480.18
p3-s1	SLE-R-220	Min P	-16156.47	-404.63	-495.84	-0.77	-6489.25	-7411.06
p3-s1	SLE-R-220	Max M2	-15657.86	-404.98	-494.98	0.41	-5507.45	-7417.46
p3-s1	SLE-R-220	Min M2	-14602.90	-405.93	-490.65	-2.83	-10355.96	-7435.13
p3-s1	SLE-R-220	Max M3	-15364.19	-395.39	-493.80	1.02	-7684.22	-7240.02
p3-s1	SLE-R-220	Min M3	-15236.52	-415.01	-493.46	-1.97	-8071.31	-7603.00
p3-s1	SLE-R-221	Max P	-13687.72	-398.51	508.65	-3.22	9467.25	-7323.01
p3-s1	SLE-R-221	Min P	-15926.68	-396.71	516.48	-3.45	6848.46	-7289.81
p3-s1	SLE-R-221	Max M2	-14283.68	-395.23	511.14	-1.50	10537.90	-7262.35
p3-s1	SLE-R-221	Min M2	-15449.10	-396.01	515.53	-4.74	5671.20	-7276.80
p3-s1	SLE-R-221	Max M3	-15122.73	-382.43	514.10	-5.25	8019.97	-7025.64
p3-s1	SLE-R-221	Min M3	-15042.12	-409.15	514.02	-2.56	8093.02	-7519.87
p3-s1	SLE-R-222	Max P	-13685.23	-397.96	515.70	-1.16	9617.34	-7312.95
p3-s1	SLE-R-222	Min P	-15855.52	-394.22	507.51	-0.95	12460.22	-7243.82
p3-s1	SLE-R-222	Max M2	-15356.91	-394.57	508.37	0.23	13442.02	-7250.22
p3-s1	SLE-R-222	Min M2	-14301.95	-395.53	512.70	-3.01	8593.52	-7267.89
p3-s1	SLE-R-222	Max M3	-15063.24	-384.98	509.55	0.84	11265.25	-7072.78
p3-s1	SLE-R-222	Min M3	-14935.56	-404.60	509.89	-2.15	10878.16	-7435.76
p3-s1	SLE-R-223	Max P	-13695.54	-408.11	-494.60	-3.12	-9685.76	-7475.40
p3-s1	SLE-R-223	Min P	-15934.49	-406.32	-486.76	-3.35	-12304.55	-7442.20
p3-s1	SLE-R-223	Max M2	-14291.50	-404.83	-492.10	-1.40	-8615.11	-7414.75
p3-s1	SLE-R-223	Min M2	-15456.92	-405.61	-487.72	-4.64	-13481.81	-7429.19
p3-s1	SLE-R-223	Max M3	-15130.55	-392.04	-489.14	-5.15	-11133.03	-7178.03
p3-s1	SLE-R-223	Min M3	-15049.94	-418.75	-489.23	-2.46	-11059.99	-7672.26
p3-s1	SLE-R-224	Max P	-13693.05	-407.57	-487.55	-1.06	-9535.67	-7465.34
p3-s1	SLE-R-224	Min P	-15863.34	-403.83	-495.73	-0.84	-6692.78	-7396.21
p3-s1	SLE-R-224	Max M2	-15364.73	-404.18	-494.88	0.33	-5710.98	-7402.61
p3-s1	SLE-R-224	Min M2	-14309.77	-405.13	-490.54	-2.90	-10559.49	-7420.28
p3-s1	SLE-R-224	Max M3	-15071.06	-394.59	-493.69	0.94	-7887.76	-7225.17
p3-s1	SLE-R-224	Min M3	-14943.38	-414.21	-493.35	-2.05	-8274.84	-7588.15

12.1.14. PILA 2-SOLLECITAZIONI SEZIONE DI BASE-COMBINAZIONI SLE-FREQUENTI

TABLE: Element Forces - Frames								
Frame	OutputCase	StepType	P	V2	V3	T	M2	M3
Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
p3-s1	SLE-FR-1	Max P	-13784.14	187.61	-9.57	-0.53	-173.29	3439.83
p3-s1	SLE-FR-1	Min P	-16023.09	189.41	-1.73	-0.76	-2792.08	3473.03
p3-s1	SLE-FR-1	Max M2	-14380.10	190.89	-7.07	1.19	897.36	3500.49
p3-s1	SLE-FR-1	Min M2	-15545.52	190.11	-2.68	-2.05	-3969.34	3486.04
p3-s1	SLE-FR-1	Max M3	-15219.15	203.69	-4.11	-2.56	-1620.56	3737.20
p3-s1	SLE-FR-1	Min M3	-15138.54	176.97	-4.20	0.13	-1547.52	3242.97
p3-s1	SLE-FR-2	Max P	-13781.65	188.16	-2.52	1.53	-23.20	3449.89
p3-s1	SLE-FR-2	Min P	-15951.94	191.89	-10.70	1.75	2819.69	3519.02
p3-s1	SLE-FR-2	Max M2	-15453.33	191.55	-9.85	2.92	3801.49	3512.62
p3-s1	SLE-FR-2	Min M2	-14398.37	190.59	-5.51	-0.31	-1047.02	3494.95
p3-s1	SLE-FR-2	Max M3	-15159.66	201.14	-8.66	3.53	1624.71	3690.06
p3-s1	SLE-FR-2	Min M3	-15031.98	181.52	-8.32	0.54	1237.62	3327.08
p3-s1	SLE-FR-3	Max P	-13491.01	188.42	-9.46	-0.61	-376.82	3454.67
p3-s1	SLE-FR-3	Min P	-15729.96	190.21	-1.62	-0.83	-2995.61	3487.88
p3-s1	SLE-FR-3	Max M2	-14086.96	191.69	-6.96	1.12	693.83	3515.33
p3-s1	SLE-FR-3	Min M2	-15252.38	190.91	-2.58	-2.13	-4172.88	3500.89
p3-s1	SLE-FR-3	Max M3	-14926.01	204.49	-4.00	-2.64	-1824.10	3752.04
p3-s1	SLE-FR-3	Min M3	-14845.40	177.77	-4.09	0.05	-1751.06	3257.82
p3-s1	SLE-FR-4	Max P	-13488.51	188.96	-2.41	1.46	-226.73	3464.74
p3-s1	SLE-FR-4	Min P	-15658.80	192.70	-10.59	1.67	2616.15	3533.86
p3-s1	SLE-FR-4	Max M2	-15160.19	192.35	-9.74	2.85	3597.95	3527.46
p3-s1	SLE-FR-4	Min M2	-14105.23	191.39	-5.40	-0.39	-1250.55	3509.80
p3-s1	SLE-FR-4	Max M3	-14866.53	201.94	-8.55	3.46	1421.18	3704.90
p3-s1	SLE-FR-4	Min M3	-14738.85	182.32	-8.21	0.46	1034.09	3341.93
p3-s1	SLE-FR-5	Max P	-13784.14	187.61	-9.57	-0.53	-173.29	3439.83
p3-s1	SLE-FR-5	Min P	-16023.09	189.41	-1.73	-0.76	-2792.08	3473.03
p3-s1	SLE-FR-5	Max M2	-14380.10	190.89	-7.07	1.19	897.36	3500.49
p3-s1	SLE-FR-5	Min M2	-15545.52	190.11	-2.68	-2.05	-3969.34	3486.04
p3-s1	SLE-FR-5	Max M3	-15219.15	203.69	-4.11	-2.56	-1620.56	3737.20
p3-s1	SLE-FR-5	Min M3	-15138.54	176.97	-4.20	0.13	-1547.52	3242.97
p3-s1	SLE-FR-6	Max P	-13781.65	188.16	-2.52	1.53	-23.20	3449.89
p3-s1	SLE-FR-6	Min P	-15951.94	191.89	-10.70	1.75	2819.69	3519.02
p3-s1	SLE-FR-6	Max M2	-15453.33	191.55	-9.85	2.92	3801.49	3512.62
p3-s1	SLE-FR-6	Min M2	-14398.37	190.59	-5.51	-0.31	-1047.02	3494.95
p3-s1	SLE-FR-6	Max M3	-15159.66	201.14	-8.66	3.53	1624.71	3690.06
p3-s1	SLE-FR-6	Min M3	-15031.98	181.52	-8.32	0.54	1237.62	3327.08
p3-s1	SLE-FR-7	Max P	-13491.01	188.42	-9.46	-0.61	-376.82	3454.67
p3-s1	SLE-FR-7	Min P	-15729.96	190.21	-1.62	-0.83	-2995.61	3487.88
p3-s1	SLE-FR-7	Max M2	-14086.96	191.69	-6.96	1.12	693.83	3515.33
p3-s1	SLE-FR-7	Min M2	-15252.38	190.91	-2.58	-2.13	-4172.88	3500.89
p3-s1	SLE-FR-7	Max M3	-14926.01	204.49	-4.00	-2.64	-1824.10	3752.04
p3-s1	SLE-FR-7	Min M3	-14845.40	177.77	-4.09	0.05	-1751.06	3257.82
p3-s1	SLE-FR-8	Max P	-13488.51	188.96	-2.41	1.46	-226.73	3464.74
p3-s1	SLE-FR-8	Min P	-15658.80	192.70	-10.59	1.67	2616.15	3533.86
p3-s1	SLE-FR-8	Max M2	-15160.19	192.35	-9.74	2.85	3597.95	3527.46

p3-s1	SLE-FR-8	Min M2	-14105.23	191.39	-5.40	-0.39	-1250.55	3509.80
p3-s1	SLE-FR-8	Max M3	-14866.53	201.94	-8.55	3.46	1421.18	3704.90
p3-s1	SLE-FR-8	Min M3	-14738.85	182.32	-8.21	0.46	1034.09	3341.93
p3-s1	SLE-FR-9	Max P	-13907.15	186.15	-9.65	-0.56	-189.07	3412.67
p3-s1	SLE-FR-9	Min P	-16146.10	187.94	-1.81	-0.79	-2807.86	3445.88
p3-s1	SLE-FR-9	Max M2	-14503.11	189.42	-7.15	1.16	881.58	3473.33
p3-s1	SLE-FR-9	Min M2	-15668.53	188.64	-2.77	-2.08	-3985.12	3458.89
p3-s1	SLE-FR-9	Max M3	-15342.15	202.22	-4.19	-2.59	-1636.34	3710.04
p3-s1	SLE-FR-9	Min M3	-15261.55	175.50	-4.28	0.10	-1563.30	3215.82
p3-s1	SLE-FR-10	Max P	-13904.66	186.69	-2.60	1.50	-38.98	3422.74
p3-s1	SLE-FR-10	Min P	-16074.95	190.43	-10.79	1.72	2803.90	3491.86
p3-s1	SLE-FR-10	Max M2	-15576.34	190.08	-9.93	2.89	3785.71	3485.46
p3-s1	SLE-FR-10	Min M2	-14521.38	189.12	-5.59	-0.34	-1062.80	3467.79
p3-s1	SLE-FR-10	Max M3	-15282.67	199.67	-8.74	3.51	1608.93	3662.90
p3-s1	SLE-FR-10	Min M3	-15154.99	180.05	-8.41	0.51	1221.84	3299.92
p3-s1	SLE-FR-11	Max P	-13614.01	186.95	-9.54	-0.63	-392.60	3427.52
p3-s1	SLE-FR-11	Min P	-15852.97	188.74	-1.70	-0.86	-3011.40	3460.72
p3-s1	SLE-FR-11	Max M2	-14209.97	190.23	-7.04	1.09	678.05	3488.17
p3-s1	SLE-FR-11	Min M2	-15375.39	189.45	-2.66	-2.16	-4188.66	3473.73
p3-s1	SLE-FR-11	Max M3	-15049.02	203.02	-4.08	-2.66	-1839.88	3724.89
p3-s1	SLE-FR-11	Min M3	-14968.41	176.31	-4.17	0.03	-1766.84	3230.66
p3-s1	SLE-FR-12	Max P	-13611.52	187.49	-2.49	1.43	-242.52	3437.58
p3-s1	SLE-FR-12	Min P	-15781.81	191.23	-10.68	1.64	2600.37	3506.71
p3-s1	SLE-FR-12	Max M2	-15283.20	190.88	-9.82	2.82	3582.17	3500.31
p3-s1	SLE-FR-12	Min M2	-14228.24	189.93	-5.48	-0.42	-1266.34	3482.64
p3-s1	SLE-FR-12	Max M3	-14989.53	200.47	-8.63	3.43	1405.40	3677.75
p3-s1	SLE-FR-12	Min M3	-14861.86	180.85	-8.30	0.43	1018.31	3314.77
p3-s1	SLE-FR-13	Max P	-13907.15	186.15	-9.65	-0.56	-189.07	3412.67
p3-s1	SLE-FR-13	Min P	-16146.10	187.94	-1.81	-0.79	-2807.86	3445.88
p3-s1	SLE-FR-13	Max M2	-14503.11	189.42	-7.15	1.16	881.58	3473.33
p3-s1	SLE-FR-13	Min M2	-15668.53	188.64	-2.77	-2.08	-3985.12	3458.89
p3-s1	SLE-FR-13	Max M3	-15342.15	202.22	-4.19	-2.59	-1636.34	3710.04
p3-s1	SLE-FR-13	Min M3	-15261.55	175.50	-4.28	0.10	-1563.30	3215.82
p3-s1	SLE-FR-14	Max P	-13904.66	186.69	-2.60	1.50	-38.98	3422.74
p3-s1	SLE-FR-14	Min P	-16074.95	190.43	-10.79	1.72	2803.90	3491.86
p3-s1	SLE-FR-14	Max M2	-15576.34	190.08	-9.93	2.89	3785.71	3485.46
p3-s1	SLE-FR-14	Min M2	-14521.38	189.12	-5.59	-0.34	-1062.80	3467.79
p3-s1	SLE-FR-14	Max M3	-15282.67	199.67	-8.74	3.51	1608.93	3662.90
p3-s1	SLE-FR-14	Min M3	-15154.99	180.05	-8.41	0.51	1221.84	3299.92
p3-s1	SLE-FR-15	Max P	-13614.01	186.95	-9.54	-0.63	-392.60	3427.52
p3-s1	SLE-FR-15	Min P	-15852.97	188.74	-1.70	-0.86	-3011.40	3460.72
p3-s1	SLE-FR-15	Max M2	-14209.97	190.23	-7.04	1.09	678.05	3488.17
p3-s1	SLE-FR-15	Min M2	-15375.39	189.45	-2.66	-2.16	-4188.66	3473.73
p3-s1	SLE-FR-15	Max M3	-15049.02	203.02	-4.08	-2.66	-1839.88	3724.89
p3-s1	SLE-FR-15	Min M3	-14968.41	176.31	-4.17	0.03	-1766.84	3230.66
p3-s1	SLE-FR-16	Max P	-13611.52	187.49	-2.49	1.43	-242.52	3437.58
p3-s1	SLE-FR-16	Min P	-15781.81	191.23	-10.68	1.64	2600.37	3506.71
p3-s1	SLE-FR-16	Max M2	-15283.20	190.88	-9.82	2.82	3582.17	3500.31
p3-s1	SLE-FR-16	Min M2	-14228.24	189.93	-5.48	-0.42	-1266.34	3482.64
p3-s1	SLE-FR-16	Max M3	-14989.53	200.47	-8.63	3.43	1405.40	3677.75
p3-s1	SLE-FR-16	Min M3	-14861.86	180.85	-8.30	0.43	1018.31	3314.77

p3-s1	SLE-FR-17	Max P	-13982.41	191.86	160.97	0.42	3109.83	3514.16
p3-s1	SLE-FR-17	Min P	-13982.41	191.86	160.97	0.42	3109.83	3514.16
p3-s1	SLE-FR-17	Max M2	-13982.41	191.86	160.97	0.42	3109.83	3514.16
p3-s1	SLE-FR-17	Min M2	-13982.41	191.86	160.97	0.42	3109.83	3514.16
p3-s1	SLE-FR-17	Max M3	-13982.41	191.86	160.97	0.42	3109.83	3514.16
p3-s1	SLE-FR-17	Min M3	-13982.41	191.86	160.97	0.42	3109.83	3514.16
p3-s1	SLE-FR-18	Max P	-13985.01	188.66	-173.45	0.46	-3274.50	3463.37
p3-s1	SLE-FR-18	Min P	-13985.01	188.66	-173.45	0.46	-3274.50	3463.37
p3-s1	SLE-FR-18	Max M2	-13985.01	188.66	-173.45	0.46	-3274.50	3463.37
p3-s1	SLE-FR-18	Min M2	-13985.01	188.66	-173.45	0.46	-3274.50	3463.37
p3-s1	SLE-FR-18	Max M3	-13985.01	188.66	-173.45	0.46	-3274.50	3463.37
p3-s1	SLE-FR-18	Min M3	-13985.01	188.66	-173.45	0.46	-3274.50	3463.37
p3-s1	SLE-FR-19	Max P	-13689.27	192.66	161.08	0.35	2906.30	3529.01
p3-s1	SLE-FR-19	Min P	-13689.27	192.66	161.08	0.35	2906.30	3529.01
p3-s1	SLE-FR-19	Max M2	-13689.27	192.66	161.08	0.35	2906.30	3529.01
p3-s1	SLE-FR-19	Min M2	-13689.27	192.66	161.08	0.35	2906.30	3529.01
p3-s1	SLE-FR-19	Max M3	-13689.27	192.66	161.08	0.35	2906.30	3529.01
p3-s1	SLE-FR-19	Min M3	-13689.27	192.66	161.08	0.35	2906.30	3529.01
p3-s1	SLE-FR-20	Max P	-13691.88	189.46	-173.34	0.38	-3478.04	3478.21
p3-s1	SLE-FR-20	Min P	-13691.88	189.46	-173.34	0.38	-3478.04	3478.21
p3-s1	SLE-FR-20	Max M2	-13691.88	189.46	-173.34	0.38	-3478.04	3478.21
p3-s1	SLE-FR-20	Min M2	-13691.88	189.46	-173.34	0.38	-3478.04	3478.21
p3-s1	SLE-FR-20	Max M3	-13691.88	189.46	-173.34	0.38	-3478.04	3478.21
p3-s1	SLE-FR-20	Min M3	-13691.88	189.46	-173.34	0.38	-3478.04	3478.21
p3-s1	SLE-FR-21	Max P	-14105.42	190.39	160.88	0.39	3094.05	3487.01
p3-s1	SLE-FR-21	Min P	-14105.42	190.39	160.88	0.39	3094.05	3487.01
p3-s1	SLE-FR-21	Max M2	-14105.42	190.39	160.88	0.39	3094.05	3487.01
p3-s1	SLE-FR-21	Min M2	-14105.42	190.39	160.88	0.39	3094.05	3487.01
p3-s1	SLE-FR-21	Max M3	-14105.42	190.39	160.88	0.39	3094.05	3487.01
p3-s1	SLE-FR-21	Min M3	-14105.42	190.39	160.88	0.39	3094.05	3487.01
p3-s1	SLE-FR-22	Max P	-14108.02	187.19	-173.53	0.43	-3290.28	3436.21
p3-s1	SLE-FR-22	Min P	-14108.02	187.19	-173.53	0.43	-3290.28	3436.21
p3-s1	SLE-FR-22	Max M2	-14108.02	187.19	-173.53	0.43	-3290.28	3436.21
p3-s1	SLE-FR-22	Min M2	-14108.02	187.19	-173.53	0.43	-3290.28	3436.21
p3-s1	SLE-FR-22	Max M3	-14108.02	187.19	-173.53	0.43	-3290.28	3436.21
p3-s1	SLE-FR-22	Min M3	-14108.02	187.19	-173.53	0.43	-3290.28	3436.21
p3-s1	SLE-FR-23	Max P	-13812.28	191.19	160.99	0.32	2890.52	3501.85
p3-s1	SLE-FR-23	Min P	-13812.28	191.19	160.99	0.32	2890.52	3501.85
p3-s1	SLE-FR-23	Max M2	-13812.28	191.19	160.99	0.32	2890.52	3501.85
p3-s1	SLE-FR-23	Min M2	-13812.28	191.19	160.99	0.32	2890.52	3501.85
p3-s1	SLE-FR-23	Max M3	-13812.28	191.19	160.99	0.32	2890.52	3501.85
p3-s1	SLE-FR-23	Min M3	-13812.28	191.19	160.99	0.32	2890.52	3501.85
p3-s1	SLE-FR-24	Max P	-13814.89	187.99	-173.42	0.35	-3493.82	3451.06
p3-s1	SLE-FR-24	Min P	-13814.89	187.99	-173.42	0.35	-3493.82	3451.06
p3-s1	SLE-FR-24	Max M2	-13814.89	187.99	-173.42	0.35	-3493.82	3451.06
p3-s1	SLE-FR-24	Min M2	-13814.89	187.99	-173.42	0.35	-3493.82	3451.06
p3-s1	SLE-FR-24	Max M3	-13814.89	187.99	-173.42	0.35	-3493.82	3451.06
p3-s1	SLE-FR-24	Min M3	-13814.89	187.99	-173.42	0.35	-3493.82	3451.06
p3-s1	SLE-FR-25	Max P	-13970.13	230.11	-7.35	0.63	-91.38	4219.81
p3-s1	SLE-FR-25	Min P	-13970.13	230.11	-7.35	0.63	-91.38	4219.81
p3-s1	SLE-FR-25	Max M2	-13970.13	230.11	-7.35	0.63	-91.38	4219.81

p3-s1	SLE-FR-25	Min M2	-13970.13	230.11	-7.35	0.63	-91.38	4219.81
p3-s1	SLE-FR-25	Max M3	-13970.13	230.11	-7.35	0.63	-91.38	4219.81
p3-s1	SLE-FR-25	Min M3	-13970.13	230.11	-7.35	0.63	-91.38	4219.81
p3-s1	SLE-FR-26	Max P	-14117.74	228.35	-7.45	0.59	-110.32	4187.22
p3-s1	SLE-FR-26	Min P	-14117.74	228.35	-7.45	0.59	-110.32	4187.22
p3-s1	SLE-FR-26	Max M2	-14117.74	228.35	-7.45	0.59	-110.32	4187.22
p3-s1	SLE-FR-26	Min M2	-14117.74	228.35	-7.45	0.59	-110.32	4187.22
p3-s1	SLE-FR-26	Max M3	-14117.74	228.35	-7.45	0.59	-110.32	4187.22
p3-s1	SLE-FR-26	Min M3	-14117.74	228.35	-7.45	0.59	-110.32	4187.22
p3-s1	SLE-FR-27	Max P	-13677.00	230.91	-7.24	0.55	-294.92	4234.65
p3-s1	SLE-FR-27	Min P	-13677.00	230.91	-7.24	0.55	-294.92	4234.65
p3-s1	SLE-FR-27	Max M2	-13677.00	230.91	-7.24	0.55	-294.92	4234.65
p3-s1	SLE-FR-27	Min M2	-13677.00	230.91	-7.24	0.55	-294.92	4234.65
p3-s1	SLE-FR-27	Max M3	-13677.00	230.91	-7.24	0.55	-294.92	4234.65
p3-s1	SLE-FR-27	Min M3	-13677.00	230.91	-7.24	0.55	-294.92	4234.65
p3-s1	SLE-FR-28	Max P	-13824.61	229.15	-7.34	0.51	-313.86	4202.06
p3-s1	SLE-FR-28	Min P	-13824.61	229.15	-7.34	0.51	-313.86	4202.06
p3-s1	SLE-FR-28	Max M2	-13824.61	229.15	-7.34	0.51	-313.86	4202.06
p3-s1	SLE-FR-28	Min M2	-13824.61	229.15	-7.34	0.51	-313.86	4202.06
p3-s1	SLE-FR-28	Max M3	-13824.61	229.15	-7.34	0.51	-313.86	4202.06
p3-s1	SLE-FR-28	Min M3	-13824.61	229.15	-7.34	0.51	-313.86	4202.06
p3-s1	SLE-FR-29	Max P	-13794.38	-204.40	1.48	-2.17	42.84	-3750.32
p3-s1	SLE-FR-29	Min P	-16033.33	-202.60	9.31	-2.40	-2575.95	-3717.11
p3-s1	SLE-FR-29	Max M2	-14390.33	-201.12	3.97	-0.45	1113.49	-3689.66
p3-s1	SLE-FR-29	Min M2	-15555.75	-201.90	8.36	-3.69	-3753.21	-3704.10
p3-s1	SLE-FR-29	Max M3	-15229.38	-188.32	6.93	-4.20	-1404.43	-3452.95
p3-s1	SLE-FR-29	Min M3	-15148.78	-215.04	6.85	-1.51	-1331.39	-3947.17
p3-s1	SLE-FR-30	Max P	-13791.89	-203.85	8.53	-0.11	192.93	-3740.25
p3-s1	SLE-FR-30	Min P	-15962.18	-200.12	0.34	0.11	3035.82	-3671.13
p3-s1	SLE-FR-30	Max M2	-15463.56	-200.46	1.20	1.28	4017.62	-3677.53
p3-s1	SLE-FR-30	Min M2	-14408.60	-201.42	5.53	-1.95	-830.89	-3695.19
p3-s1	SLE-FR-30	Max M3	-15169.90	-190.87	2.38	1.90	1840.84	-3500.09
p3-s1	SLE-FR-30	Min M3	-15042.22	-210.49	2.72	-1.10	1453.76	-3863.07
p3-s1	SLE-FR-31	Max P	-13501.24	-203.59	1.59	-2.24	-160.69	-3735.47
p3-s1	SLE-FR-31	Min P	-15740.20	-201.80	9.42	-2.47	-2779.48	-3702.27
p3-s1	SLE-FR-31	Max M2	-14097.20	-200.31	4.08	-0.52	909.96	-3674.82
p3-s1	SLE-FR-31	Min M2	-15262.62	-201.10	8.47	-3.77	-3956.75	-3689.26
p3-s1	SLE-FR-31	Max M3	-14936.25	-187.52	7.04	-4.27	-1607.97	-3438.10
p3-s1	SLE-FR-31	Min M3	-14855.64	-214.23	6.96	-1.58	-1534.93	-3932.33
p3-s1	SLE-FR-32	Max P	-13498.75	-203.05	8.63	-0.18	-10.60	-3725.41
p3-s1	SLE-FR-32	Min P	-15669.04	-199.31	0.45	0.03	2832.28	-3656.28
p3-s1	SLE-FR-32	Max M2	-15170.43	-199.66	1.31	1.21	3814.08	-3662.68
p3-s1	SLE-FR-32	Min M2	-14115.47	-200.61	5.64	-2.03	-1034.42	-3680.35
p3-s1	SLE-FR-32	Max M3	-14876.76	-190.07	2.49	1.82	1637.31	-3485.24
p3-s1	SLE-FR-32	Min M3	-14749.09	-209.69	2.83	-1.18	1250.22	-3848.22
p3-s1	SLE-FR-33	Max P	-13794.38	-204.40	1.48	-2.17	42.84	-3750.32
p3-s1	SLE-FR-33	Min P	-16033.33	-202.60	9.31	-2.40	-2575.95	-3717.11
p3-s1	SLE-FR-33	Max M2	-14390.33	-201.12	3.97	-0.45	1113.49	-3689.66
p3-s1	SLE-FR-33	Min M2	-15555.75	-201.90	8.36	-3.69	-3753.21	-3704.10
p3-s1	SLE-FR-33	Max M3	-15229.38	-188.32	6.93	-4.20	-1404.43	-3452.95
p3-s1	SLE-FR-33	Min M3	-15148.78	-215.04	6.85	-1.51	-1331.39	-3947.17

p3-s1	SLE-FR-34	Max P	-13791.89	-203.85	8.53	-0.11	192.93	-3740.25
p3-s1	SLE-FR-34	Min P	-15962.18	-200.12	0.34	0.11	3035.82	-3671.13
p3-s1	SLE-FR-34	Max M2	-15463.56	-200.46	1.20	1.28	4017.62	-3677.53
p3-s1	SLE-FR-34	Min M2	-14408.60	-201.42	5.53	-1.95	-830.89	-3695.19
p3-s1	SLE-FR-34	Max M3	-15169.90	-190.87	2.38	1.90	1840.84	-3500.09
p3-s1	SLE-FR-34	Min M3	-15042.22	-210.49	2.72	-1.10	1453.76	-3863.07
p3-s1	SLE-FR-35	Max P	-13501.24	-203.59	1.59	-2.24	-160.69	-3735.47
p3-s1	SLE-FR-35	Min P	-15740.20	-201.80	9.42	-2.47	-2779.48	-3702.27
p3-s1	SLE-FR-35	Max M2	-14097.20	-200.31	4.08	-0.52	909.96	-3674.82
p3-s1	SLE-FR-35	Min M2	-15262.62	-201.10	8.47	-3.77	-3956.75	-3689.26
p3-s1	SLE-FR-35	Max M3	-14936.25	-187.52	7.04	-4.27	-1607.97	-3438.10
p3-s1	SLE-FR-35	Min M3	-14855.64	-214.23	6.96	-1.58	-1534.93	-3932.33
p3-s1	SLE-FR-36	Max P	-13498.75	-203.05	8.63	-0.18	-10.60	-3725.41
p3-s1	SLE-FR-36	Min P	-15669.04	-199.31	0.45	0.03	2832.28	-3656.28
p3-s1	SLE-FR-36	Max M2	-15170.43	-199.66	1.31	1.21	3814.08	-3662.68
p3-s1	SLE-FR-36	Min M2	-14115.47	-200.61	5.64	-2.03	-1034.42	-3680.35
p3-s1	SLE-FR-36	Max M3	-14876.76	-190.07	2.49	1.82	1637.31	-3485.24
p3-s1	SLE-FR-36	Min M3	-14749.09	-209.69	2.83	-1.18	1250.22	-3848.22
p3-s1	SLE-FR-37	Max P	-13917.39	-205.86	1.39	-2.20	27.06	-3777.47
p3-s1	SLE-FR-37	Min P	-16156.34	-204.07	9.23	-2.43	-2591.73	-3744.27
p3-s1	SLE-FR-37	Max M2	-14513.34	-202.58	3.89	-0.48	1097.71	-3716.82
p3-s1	SLE-FR-37	Min M2	-15678.76	-203.37	8.28	-3.72	-3768.99	-3731.26
p3-s1	SLE-FR-37	Max M3	-15352.39	-189.79	6.85	-4.23	-1420.21	-3480.10
p3-s1	SLE-FR-37	Min M3	-15271.78	-216.50	6.76	-1.54	-1347.17	-3974.33
p3-s1	SLE-FR-38	Max P	-13914.89	-205.32	8.44	-0.13	177.15	-3767.41
p3-s1	SLE-FR-38	Min P	-16085.18	-201.58	0.26	0.08	3020.03	-3698.29
p3-s1	SLE-FR-38	Max M2	-15586.57	-201.93	1.12	1.25	4001.84	-3704.68
p3-s1	SLE-FR-38	Min M2	-14531.61	-202.88	5.45	-1.98	-846.67	-3722.35
p3-s1	SLE-FR-38	Max M3	-15292.91	-192.34	2.30	1.87	1825.06	-3527.24
p3-s1	SLE-FR-38	Min M3	-15165.23	-211.96	2.64	-1.13	1437.97	-3890.22
p3-s1	SLE-FR-39	Max P	-13624.25	-205.06	1.50	-2.27	-176.47	-3762.63
p3-s1	SLE-FR-39	Min P	-15863.21	-203.27	9.34	-2.50	-2795.27	-3729.42
p3-s1	SLE-FR-39	Max M2	-14220.21	-201.78	4.00	-0.55	894.18	-3701.97
p3-s1	SLE-FR-39	Min M2	-15385.63	-202.56	8.39	-3.79	-3972.53	-3716.42
p3-s1	SLE-FR-39	Max M3	-15059.26	-188.99	6.96	-4.30	-1623.75	-3465.26
p3-s1	SLE-FR-39	Min M3	-14978.65	-215.70	6.87	-1.61	-1550.71	-3959.48
p3-s1	SLE-FR-40	Max P	-13621.76	-204.52	8.55	-0.21	-26.38	-3752.56
p3-s1	SLE-FR-40	Min P	-15792.05	-200.78	0.37	0.00	2816.50	-3683.44
p3-s1	SLE-FR-40	Max M2	-15293.44	-201.13	1.22	1.18	3798.30	-3689.84
p3-s1	SLE-FR-40	Min M2	-14238.48	-202.08	5.56	-2.06	-1050.20	-3707.51
p3-s1	SLE-FR-40	Max M3	-14999.77	-191.53	2.41	1.79	1621.53	-3512.40
p3-s1	SLE-FR-40	Min M3	-14872.10	-211.16	2.75	-1.21	1234.44	-3875.38
p3-s1	SLE-FR-41	Max P	-13917.39	-205.86	1.39	-2.20	27.06	-3777.47
p3-s1	SLE-FR-41	Min P	-16156.34	-204.07	9.23	-2.43	-2591.73	-3744.27
p3-s1	SLE-FR-41	Max M2	-14513.34	-202.58	3.89	-0.48	1097.71	-3716.82
p3-s1	SLE-FR-41	Min M2	-15678.76	-203.37	8.28	-3.72	-3768.99	-3731.26
p3-s1	SLE-FR-41	Max M3	-15352.39	-189.79	6.85	-4.23	-1420.21	-3480.10
p3-s1	SLE-FR-41	Min M3	-15271.78	-216.50	6.76	-1.54	-1347.17	-3974.33
p3-s1	SLE-FR-42	Max P	-13914.89	-205.32	8.44	-0.13	177.15	-3767.41
p3-s1	SLE-FR-42	Min P	-16085.18	-201.58	0.26	0.08	3020.03	-3698.29
p3-s1	SLE-FR-42	Max M2	-15586.57	-201.93	1.12	1.25	4001.84	-3704.68

p3-s1	SLE-FR-42	Min M2	-14531.61	-202.88	5.45	-1.98	-846.67	-3722.35
p3-s1	SLE-FR-42	Max M3	-15292.91	-192.34	2.30	1.87	1825.06	-3527.24
p3-s1	SLE-FR-42	Min M3	-15165.23	-211.96	2.64	-1.13	1437.97	-3890.22
p3-s1	SLE-FR-43	Max P	-13624.25	-205.06	1.50	-2.27	-176.47	-3762.63
p3-s1	SLE-FR-43	Min P	-15863.21	-203.27	9.34	-2.50	-2795.27	-3729.42
p3-s1	SLE-FR-43	Max M2	-14220.21	-201.78	4.00	-0.55	894.18	-3701.97
p3-s1	SLE-FR-43	Min M2	-15385.63	-202.56	8.39	-3.79	-3972.53	-3716.42
p3-s1	SLE-FR-43	Max M3	-15059.26	-188.99	6.96	-4.30	-1623.75	-3465.26
p3-s1	SLE-FR-43	Min M3	-14978.65	-215.70	6.87	-1.61	-1550.71	-3959.48
p3-s1	SLE-FR-44	Max P	-13621.76	-204.52	8.55	-0.21	-26.38	-3752.56
p3-s1	SLE-FR-44	Min P	-15792.05	-200.78	0.37	0.00	2816.50	-3683.44
p3-s1	SLE-FR-44	Max M2	-15293.44	-201.13	1.22	1.18	3798.30	-3689.84
p3-s1	SLE-FR-44	Min M2	-14238.48	-202.08	5.56	-2.06	-1050.20	-3707.51
p3-s1	SLE-FR-44	Max M3	-14999.77	-191.53	2.41	1.79	1621.53	-3512.40
p3-s1	SLE-FR-44	Min M3	-14872.10	-211.16	2.75	-1.21	1234.44	-3875.38
p3-s1	SLE-FR-45	Max P	-13992.64	-200.15	172.01	-1.22	3325.96	-3675.98
p3-s1	SLE-FR-45	Min P	-13992.64	-200.15	172.01	-1.22	3325.96	-3675.98
p3-s1	SLE-FR-45	Max M2	-13992.64	-200.15	172.01	-1.22	3325.96	-3675.98
p3-s1	SLE-FR-45	Min M2	-13992.64	-200.15	172.01	-1.22	3325.96	-3675.98
p3-s1	SLE-FR-45	Max M3	-13992.64	-200.15	172.01	-1.22	3325.96	-3675.98
p3-s1	SLE-FR-45	Min M3	-13992.64	-200.15	172.01	-1.22	3325.96	-3675.98
p3-s1	SLE-FR-46	Max P	-13995.25	-203.35	-162.41	-1.18	-3058.37	-3726.78
p3-s1	SLE-FR-46	Min P	-13995.25	-203.35	-162.41	-1.18	-3058.37	-3726.78
p3-s1	SLE-FR-46	Max M2	-13995.25	-203.35	-162.41	-1.18	-3058.37	-3726.78
p3-s1	SLE-FR-46	Min M2	-13995.25	-203.35	-162.41	-1.18	-3058.37	-3726.78
p3-s1	SLE-FR-46	Max M3	-13995.25	-203.35	-162.41	-1.18	-3058.37	-3726.78
p3-s1	SLE-FR-46	Min M3	-13995.25	-203.35	-162.41	-1.18	-3058.37	-3726.78
p3-s1	SLE-FR-47	Max P	-13699.51	-199.35	172.12	-1.29	3122.43	-3661.14
p3-s1	SLE-FR-47	Min P	-13699.51	-199.35	172.12	-1.29	3122.43	-3661.14
p3-s1	SLE-FR-47	Max M2	-13699.51	-199.35	172.12	-1.29	3122.43	-3661.14
p3-s1	SLE-FR-47	Min M2	-13699.51	-199.35	172.12	-1.29	3122.43	-3661.14
p3-s1	SLE-FR-47	Max M3	-13699.51	-199.35	172.12	-1.29	3122.43	-3661.14
p3-s1	SLE-FR-47	Min M3	-13699.51	-199.35	172.12	-1.29	3122.43	-3661.14
p3-s1	SLE-FR-48	Max P	-13702.12	-202.55	-162.30	-1.26	-3261.91	-3711.93
p3-s1	SLE-FR-48	Min P	-13702.12	-202.55	-162.30	-1.26	-3261.91	-3711.93
p3-s1	SLE-FR-48	Max M2	-13702.12	-202.55	-162.30	-1.26	-3261.91	-3711.93
p3-s1	SLE-FR-48	Min M2	-13702.12	-202.55	-162.30	-1.26	-3261.91	-3711.93
p3-s1	SLE-FR-48	Max M3	-13702.12	-202.55	-162.30	-1.26	-3261.91	-3711.93
p3-s1	SLE-FR-48	Min M3	-13702.12	-202.55	-162.30	-1.26	-3261.91	-3711.93
p3-s1	SLE-FR-49	Max P	-14115.65	-201.62	171.93	-1.25	3310.18	-3703.14
p3-s1	SLE-FR-49	Min P	-14115.65	-201.62	171.93	-1.25	3310.18	-3703.14
p3-s1	SLE-FR-49	Max M2	-14115.65	-201.62	171.93	-1.25	3310.18	-3703.14
p3-s1	SLE-FR-49	Min M2	-14115.65	-201.62	171.93	-1.25	3310.18	-3703.14
p3-s1	SLE-FR-49	Max M3	-14115.65	-201.62	171.93	-1.25	3310.18	-3703.14
p3-s1	SLE-FR-49	Min M3	-14115.65	-201.62	171.93	-1.25	3310.18	-3703.14
p3-s1	SLE-FR-50	Max P	-14118.26	-204.82	-162.49	-1.21	-3074.15	-3753.93
p3-s1	SLE-FR-50	Min P	-14118.26	-204.82	-162.49	-1.21	-3074.15	-3753.93
p3-s1	SLE-FR-50	Max M2	-14118.26	-204.82	-162.49	-1.21	-3074.15	-3753.93
p3-s1	SLE-FR-50	Min M2	-14118.26	-204.82	-162.49	-1.21	-3074.15	-3753.93
p3-s1	SLE-FR-50	Max M3	-14118.26	-204.82	-162.49	-1.21	-3074.15	-3753.93
p3-s1	SLE-FR-50	Min M3	-14118.26	-204.82	-162.49	-1.21	-3074.15	-3753.93

p3-s1	SLE-FR-51	Max P	-13822.52	-200.81	172.04	-1.32	3106.65	-3688.29
p3-s1	SLE-FR-51	Min P	-13822.52	-200.81	172.04	-1.32	3106.65	-3688.29
p3-s1	SLE-FR-51	Max M2	-13822.52	-200.81	172.04	-1.32	3106.65	-3688.29
p3-s1	SLE-FR-51	Min M2	-13822.52	-200.81	172.04	-1.32	3106.65	-3688.29
p3-s1	SLE-FR-51	Max M3	-13822.52	-200.81	172.04	-1.32	3106.65	-3688.29
p3-s1	SLE-FR-51	Min M3	-13822.52	-200.81	172.04	-1.32	3106.65	-3688.29
p3-s1	SLE-FR-52	Max P	-13825.12	-204.02	-162.38	-1.29	-3277.69	-3739.09
p3-s1	SLE-FR-52	Min P	-13825.12	-204.02	-162.38	-1.29	-3277.69	-3739.09
p3-s1	SLE-FR-52	Max M2	-13825.12	-204.02	-162.38	-1.29	-3277.69	-3739.09
p3-s1	SLE-FR-52	Min M2	-13825.12	-204.02	-162.38	-1.29	-3277.69	-3739.09
p3-s1	SLE-FR-52	Max M3	-13825.12	-204.02	-162.38	-1.29	-3277.69	-3739.09
p3-s1	SLE-FR-52	Min M3	-13825.12	-204.02	-162.38	-1.29	-3277.69	-3739.09
p3-s1	SLE-FR-53	Max P	-13982.42	-240.30	5.90	-1.34	167.97	-4408.37
p3-s1	SLE-FR-53	Min P	-13982.42	-240.30	5.90	-1.34	167.97	-4408.37
p3-s1	SLE-FR-53	Max M2	-13982.42	-240.30	5.90	-1.34	167.97	-4408.37
p3-s1	SLE-FR-53	Min M2	-13982.42	-240.30	5.90	-1.34	167.97	-4408.37
p3-s1	SLE-FR-53	Max M3	-13982.42	-240.30	5.90	-1.34	167.97	-4408.37
p3-s1	SLE-FR-53	Min M3	-13982.42	-240.30	5.90	-1.34	167.97	-4408.37
p3-s1	SLE-FR-54	Max P	-14130.03	-242.06	5.80	-1.38	149.03	-4440.96
p3-s1	SLE-FR-54	Min P	-14130.03	-242.06	5.80	-1.38	149.03	-4440.96
p3-s1	SLE-FR-54	Max M2	-14130.03	-242.06	5.80	-1.38	149.03	-4440.96
p3-s1	SLE-FR-54	Min M2	-14130.03	-242.06	5.80	-1.38	149.03	-4440.96
p3-s1	SLE-FR-54	Max M3	-14130.03	-242.06	5.80	-1.38	149.03	-4440.96
p3-s1	SLE-FR-54	Min M3	-14130.03	-242.06	5.80	-1.38	149.03	-4440.96
p3-s1	SLE-FR-55	Max P	-13689.28	-239.50	6.01	-1.42	-35.56	-4393.52
p3-s1	SLE-FR-55	Min P	-13689.28	-239.50	6.01	-1.42	-35.56	-4393.52
p3-s1	SLE-FR-55	Max M2	-13689.28	-239.50	6.01	-1.42	-35.56	-4393.52
p3-s1	SLE-FR-55	Min M2	-13689.28	-239.50	6.01	-1.42	-35.56	-4393.52
p3-s1	SLE-FR-55	Max M3	-13689.28	-239.50	6.01	-1.42	-35.56	-4393.52
p3-s1	SLE-FR-55	Min M3	-13689.28	-239.50	6.01	-1.42	-35.56	-4393.52
p3-s1	SLE-FR-56	Max P	-13836.89	-241.26	5.91	-1.45	-54.50	-4426.11
p3-s1	SLE-FR-56	Min P	-13836.89	-241.26	5.91	-1.45	-54.50	-4426.11
p3-s1	SLE-FR-56	Max M2	-13836.89	-241.26	5.91	-1.45	-54.50	-4426.11
p3-s1	SLE-FR-56	Min M2	-13836.89	-241.26	5.91	-1.45	-54.50	-4426.11
p3-s1	SLE-FR-56	Max M3	-13836.89	-241.26	5.91	-1.45	-54.50	-4426.11
p3-s1	SLE-FR-56	Min M3	-13836.89	-241.26	5.91	-1.45	-54.50	-4426.11

12.1.15. PILA 2-SOLLECITAZIONI SEZIONE DI BASE-COMBINAZIONE SLE-QUASI PERMANENTE

TABLE: Element Forces - Frames								
Frame	OutputCase	StepType	P	V2	V3	T	M2	M3
Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
p3-s1	SLE-QP-1	Max P	-13983.46	190.76	-6.26	0.46	-71.35	3498.08
p3-s1	SLE-QP-1	Min P	-13983.46	190.76	-6.26	0.46	-71.35	3498.08
p3-s1	SLE-QP-1	Max M2	-13983.46	190.76	-6.26	0.46	-71.35	3498.08
p3-s1	SLE-QP-1	Min M2	-13983.46	190.76	-6.26	0.46	-71.35	3498.08
p3-s1	SLE-QP-1	Max M3	-13983.46	190.76	-6.26	0.46	-71.35	3498.08
p3-s1	SLE-QP-1	Min M3	-13983.46	190.76	-6.26	0.46	-71.35	3498.08
p3-s1	SLE-QP-2	Max P	-13690.32	191.56	-6.15	0.38	-274.88	3512.92

p3-s1	SLE-QP-2	Min P	-13690.32	191.56	-6.15	0.38	-274.88	3512.92
p3-s1	SLE-QP-2	Max M2	-13690.32	191.56	-6.15	0.38	-274.88	3512.92
p3-s1	SLE-QP-2	Min M2	-13690.32	191.56	-6.15	0.38	-274.88	3512.92
p3-s1	SLE-QP-2	Max M3	-13690.32	191.56	-6.15	0.38	-274.88	3512.92
p3-s1	SLE-QP-2	Min M3	-13690.32	191.56	-6.15	0.38	-274.88	3512.92
p3-s1	SLE-QP-3	Max P	-14106.47	189.29	-6.34	0.43	-87.13	3470.92
p3-s1	SLE-QP-3	Min P	-14106.47	189.29	-6.34	0.43	-87.13	3470.92
p3-s1	SLE-QP-3	Max M2	-14106.47	189.29	-6.34	0.43	-87.13	3470.92
p3-s1	SLE-QP-3	Min M2	-14106.47	189.29	-6.34	0.43	-87.13	3470.92
p3-s1	SLE-QP-3	Max M3	-14106.47	189.29	-6.34	0.43	-87.13	3470.92
p3-s1	SLE-QP-3	Min M3	-14106.47	189.29	-6.34	0.43	-87.13	3470.92
p3-s1	SLE-QP-4	Max P	-13813.33	190.10	-6.23	0.35	-290.67	3485.76
p3-s1	SLE-QP-4	Min P	-13813.33	190.10	-6.23	0.35	-290.67	3485.76
p3-s1	SLE-QP-4	Max M2	-13813.33	190.10	-6.23	0.35	-290.67	3485.76
p3-s1	SLE-QP-4	Min M2	-13813.33	190.10	-6.23	0.35	-290.67	3485.76
p3-s1	SLE-QP-4	Max M3	-13813.33	190.10	-6.23	0.35	-290.67	3485.76
p3-s1	SLE-QP-4	Min M3	-13813.33	190.10	-6.23	0.35	-290.67	3485.76
p3-s1	SLE-QP-5	Max P	-13993.69	-201.25	4.79	-1.18	144.78	-3692.07
p3-s1	SLE-QP-5	Min P	-13993.69	-201.25	4.79	-1.18	144.78	-3692.07
p3-s1	SLE-QP-5	Max M2	-13993.69	-201.25	4.79	-1.18	144.78	-3692.07
p3-s1	SLE-QP-5	Min M2	-13993.69	-201.25	4.79	-1.18	144.78	-3692.07
p3-s1	SLE-QP-5	Max M3	-13993.69	-201.25	4.79	-1.18	144.78	-3692.07
p3-s1	SLE-QP-5	Min M3	-13993.69	-201.25	4.79	-1.18	144.78	-3692.07
p3-s1	SLE-QP-6	Max P	-13700.56	-200.44	4.90	-1.26	-58.75	-3677.23
p3-s1	SLE-QP-6	Min P	-13700.56	-200.44	4.90	-1.26	-58.75	-3677.23
p3-s1	SLE-QP-6	Max M2	-13700.56	-200.44	4.90	-1.26	-58.75	-3677.23
p3-s1	SLE-QP-6	Min M2	-13700.56	-200.44	4.90	-1.26	-58.75	-3677.23
p3-s1	SLE-QP-6	Max M3	-13700.56	-200.44	4.90	-1.26	-58.75	-3677.23
p3-s1	SLE-QP-6	Min M3	-13700.56	-200.44	4.90	-1.26	-58.75	-3677.23
p3-s1	SLE-QP-7	Max P	-14116.70	-202.71	4.70	-1.21	129.00	-3719.23
p3-s1	SLE-QP-7	Min P	-14116.70	-202.71	4.70	-1.21	129.00	-3719.23
p3-s1	SLE-QP-7	Max M2	-14116.70	-202.71	4.70	-1.21	129.00	-3719.23
p3-s1	SLE-QP-7	Min M2	-14116.70	-202.71	4.70	-1.21	129.00	-3719.23
p3-s1	SLE-QP-7	Max M3	-14116.70	-202.71	4.70	-1.21	129.00	-3719.23
p3-s1	SLE-QP-7	Min M3	-14116.70	-202.71	4.70	-1.21	129.00	-3719.23
p3-s1	SLE-QP-8	Max P	-13823.57	-201.91	4.81	-1.29	-74.53	-3704.38
p3-s1	SLE-QP-8	Min P	-13823.57	-201.91	4.81	-1.29	-74.53	-3704.38
p3-s1	SLE-QP-8	Max M2	-13823.57	-201.91	4.81	-1.29	-74.53	-3704.38
p3-s1	SLE-QP-8	Min M2	-13823.57	-201.91	4.81	-1.29	-74.53	-3704.38
p3-s1	SLE-QP-8	Max M3	-13823.57	-201.91	4.81	-1.29	-74.53	-3704.38
p3-s1	SLE-QP-8	Min M3	-13823.57	-201.91	4.81	-1.29	-74.53	-3704.38

12.1.16. PILA 2-SOLLECITAZIONI FONDAZIONE -COMBINAZIONI SLU

TABLE: Element Forces - Frames								
Frame	OutputCase	StepType	P	V2	V3	T	M2	M3
Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
f-p2	SLU-1	Max P	-22720.04	194.01	742.27	2.18	18634.48	5006.13
f-p2	SLU-1	Min P	-28893.09	187.69	782.96	3.02	11593.73	4857.93
f-p2	SLU-1	Max M2	-24284.48	196.01	728.87	2.53	21358.54	5052.30

f-p2	SLU-1	Min M2	-27364.20	185.22	796.37	2.57	8810.95	4799.92
f-p2	SLU-1	Max M3	-26218.62	220.41	767.86	-0.88	15187.76	5691.70
f-p2	SLU-1	Min M3	-26294.70	158.08	770.74	5.84	14871.25	4090.65
f-p2	SLU-2	Max P	-22768.53	186.30	745.87	2.75	18656.91	4808.05
f-p2	SLU-2	Min P	-28856.50	193.00	707.82	2.65	25794.16	4966.15
f-p2	SLU-2	Max M2	-27442.43	196.44	693.74	2.63	28521.11	5049.27
f-p2	SLU-2	Min M2	-24190.57	182.87	759.96	2.78	15930.12	4725.44
f-p2	SLU-2	Max M3	-26243.76	220.71	718.60	5.99	22411.39	5684.80
f-p2	SLU-2	Min M3	-26246.30	162.63	723.00	-0.52	22197.07	4192.72
f-p2	SLU-3	Max P	-22720.78	249.56	-729.10	-2.95	-18357.03	6289.44
f-p2	SLU-3	Min P	-28893.83	243.25	-688.41	-2.10	-25397.79	6141.24
f-p2	SLU-3	Max M2	-24285.22	251.57	-742.50	-2.59	-15632.98	6335.62
f-p2	SLU-3	Min M2	-27364.94	240.78	-675.00	-2.56	-28180.57	6083.23
f-p2	SLU-3	Max M3	-26219.36	275.96	-703.51	-6.01	-21803.76	6975.01
f-p2	SLU-3	Min M3	-26295.44	213.64	-700.64	0.71	-22120.27	5373.97
f-p2	SLU-4	Max P	-22769.27	241.85	-725.50	-2.38	-18334.60	6091.37
f-p2	SLU-4	Min P	-28857.24	248.55	-763.55	-2.48	-11197.36	6249.47
f-p2	SLU-4	Max M2	-27443.18	252.00	-777.63	-2.49	-8470.41	6332.59
f-p2	SLU-4	Min M2	-24191.31	238.43	-711.41	-2.35	-21061.39	6008.75
f-p2	SLU-4	Max M3	-26244.50	276.27	-752.77	0.86	-14580.13	6968.12
f-p2	SLU-4	Min M3	-26247.04	218.19	-748.38	-5.65	-14794.45	5476.04
f-p2	SLU-5	Max P	-23164.60	192.33	741.95	2.12	18671.36	4962.91
f-p2	SLU-5	Min P	-29337.66	186.01	782.65	2.97	11630.61	4814.72
f-p2	SLU-5	Max M2	-24729.04	194.34	728.55	2.48	21395.42	5009.09
f-p2	SLU-5	Min M2	-27808.76	183.55	796.05	2.51	8847.83	4756.71
f-p2	SLU-5	Max M3	-26663.18	218.73	767.55	-0.93	15224.64	5648.48
f-p2	SLU-5	Min M3	-26739.26	156.40	770.42	5.78	14908.13	4047.44
f-p2	SLU-6	Max P	-23213.09	184.62	745.55	2.69	18693.79	4764.84
f-p2	SLU-6	Min P	-29301.06	191.32	707.50	2.60	25831.04	4922.94
f-p2	SLU-6	Max M2	-27887.00	194.77	693.42	2.58	28557.99	5006.06
f-p2	SLU-6	Min M2	-24635.13	181.19	759.65	2.72	15967.00	4682.22
f-p2	SLU-6	Max M3	-26688.33	219.04	718.28	5.93	22448.27	5641.59
f-p2	SLU-6	Min M3	-26690.86	160.96	722.68	-0.58	22233.94	4149.51
f-p2	SLU-7	Max P	-23165.34	247.88	-729.42	-3.01	-18320.15	6246.23
f-p2	SLU-7	Min P	-29338.40	241.57	-688.73	-2.16	-25360.91	6098.03
f-p2	SLU-7	Max M2	-24729.78	249.89	-742.82	-2.65	-15596.10	6292.40
f-p2	SLU-7	Min M2	-27809.50	239.10	-675.32	-2.62	-28143.69	6040.02
f-p2	SLU-7	Max M3	-26663.93	274.28	-703.83	-6.06	-21766.88	6931.80
f-p2	SLU-7	Min M3	-26740.01	211.96	-700.95	0.66	-22083.39	5330.75
f-p2	SLU-8	Max P	-23213.83	240.17	-725.82	-2.43	-18297.72	6048.16
f-p2	SLU-8	Min P	-29301.80	246.87	-763.87	-2.53	-11160.48	6206.26
f-p2	SLU-8	Max M2	-27887.74	250.32	-777.95	-2.55	-8433.53	6289.38
f-p2	SLU-8	Min M2	-24635.87	236.75	-711.73	-2.40	-21024.52	5965.54
f-p2	SLU-8	Max M3	-26689.07	274.59	-753.09	0.81	-14543.25	6924.90
f-p2	SLU-8	Min M3	-26691.61	216.51	-748.69	-5.70	-14757.57	5432.83
f-p2	SLU-9	Max P	-22633.32	193.96	742.19	2.13	18632.62	5004.80
f-p2	SLU-9	Min P	-28806.38	187.64	782.88	2.98	11591.87	4856.60
f-p2	SLU-9	Max M2	-24197.76	195.96	728.79	2.49	21356.68	5050.97
f-p2	SLU-9	Min M2	-27277.48	185.17	796.29	2.52	8809.09	4798.59
f-p2	SLU-9	Max M3	-26131.91	220.35	767.78	-0.92	15185.90	5690.37
f-p2	SLU-9	Min M3	-26207.99	158.03	770.66	5.80	14869.39	4089.32

f-p2	SLU-10	Max P	-22681.81	186.25	745.79	2.71	18655.05	4806.73
f-p2	SLU-10	Min P	-28769.78	192.95	707.74	2.61	25792.30	4964.83
f-p2	SLU-10	Max M2	-27355.72	196.39	693.66	2.59	28519.25	5047.95
f-p2	SLU-10	Min M2	-24103.85	182.82	759.88	2.74	15928.26	4724.11
f-p2	SLU-10	Max M3	-26157.05	220.66	718.52	5.95	22409.53	5683.47
f-p2	SLU-10	Min M3	-26159.59	162.58	722.91	-0.57	22195.20	4191.39
f-p2	SLU-11	Max P	-22634.06	249.51	-729.18	-3.00	-18358.89	6288.12
f-p2	SLU-11	Min P	-28807.12	243.19	-688.49	-2.15	-25399.65	6139.92
f-p2	SLU-11	Max M2	-24198.50	251.52	-742.59	-2.64	-15634.84	6334.29
f-p2	SLU-11	Min M2	-27278.23	240.73	-675.09	-2.60	-28182.43	6081.91
f-p2	SLU-11	Max M3	-26132.65	275.91	-703.59	-6.05	-21805.62	6973.69
f-p2	SLU-11	Min M3	-26208.73	213.58	-700.72	0.67	-22122.13	5372.64
f-p2	SLU-12	Max P	-22682.55	241.80	-725.59	-2.42	-18336.46	6090.04
f-p2	SLU-12	Min P	-28770.52	248.50	-763.63	-2.52	-11199.22	6248.14
f-p2	SLU-12	Max M2	-27356.46	251.95	-777.72	-2.54	-8472.27	6331.26
f-p2	SLU-12	Min M2	-24104.59	238.37	-711.49	-2.39	-21063.26	6007.43
f-p2	SLU-12	Max M3	-26157.79	276.22	-752.86	0.82	-14581.99	6966.79
f-p2	SLU-12	Min M3	-26160.33	218.14	-748.46	-5.69	-14796.31	5474.71
f-p2	SLU-13	Max P	-23077.88	192.28	741.87	2.08	18669.50	4961.59
f-p2	SLU-13	Min P	-29250.94	185.96	782.56	2.93	11628.75	4813.39
f-p2	SLU-13	Max M2	-24642.33	194.28	728.47	2.43	21393.56	5007.76
f-p2	SLU-13	Min M2	-27722.05	183.49	795.97	2.47	8845.96	4755.38
f-p2	SLU-13	Max M3	-26576.47	218.68	767.46	-0.98	15222.78	5647.16
f-p2	SLU-13	Min M3	-26652.55	156.35	770.34	5.74	14906.27	4046.11
f-p2	SLU-14	Max P	-23126.38	184.57	745.47	2.65	18691.93	4763.51
f-p2	SLU-14	Min P	-29214.34	191.27	707.42	2.55	25829.18	4921.61
f-p2	SLU-14	Max M2	-27800.28	194.71	693.34	2.54	28556.13	5004.73
f-p2	SLU-14	Min M2	-24548.41	181.14	759.56	2.68	15965.14	4680.90
f-p2	SLU-14	Max M3	-26601.61	218.98	718.20	5.89	22446.40	5640.26
f-p2	SLU-14	Min M3	-26604.15	160.90	722.60	-0.62	22232.08	4148.18
f-p2	SLU-15	Max P	-23078.62	247.83	-729.50	-3.05	-18322.01	6244.91
f-p2	SLU-15	Min P	-29251.68	241.52	-688.81	-2.20	-25362.77	6096.71
f-p2	SLU-15	Max M2	-24643.07	249.84	-742.90	-2.69	-15597.96	6291.08
f-p2	SLU-15	Min M2	-27722.79	239.05	-675.40	-2.66	-28145.55	6038.70
f-p2	SLU-15	Max M3	-26577.21	274.23	-703.91	-6.11	-21768.74	6930.47
f-p2	SLU-15	Min M3	-26653.29	211.91	-701.03	0.61	-22085.25	5329.43
f-p2	SLU-16	Max P	-23127.12	240.12	-725.90	-2.48	-18299.58	6046.83
f-p2	SLU-16	Min P	-29215.08	246.82	-763.95	-2.57	-11162.34	6204.93
f-p2	SLU-16	Max M2	-27801.02	250.27	-778.03	-2.59	-8435.39	6288.05
f-p2	SLU-16	Min M2	-24549.16	236.70	-711.81	-2.45	-21026.38	5964.21
f-p2	SLU-16	Max M3	-26602.35	274.54	-753.17	0.76	-14545.11	6923.58
f-p2	SLU-16	Min M3	-26604.89	216.46	-748.78	-5.75	-14759.43	5431.50
f-p2	SLU-17	Max P	-16553.75	194.03	742.19	2.12	18628.21	5006.77
f-p2	SLU-17	Min P	-22726.81	187.72	782.88	2.97	11587.45	4858.57
f-p2	SLU-17	Max M2	-18118.19	196.04	728.78	2.48	21352.26	5052.95
f-p2	SLU-17	Min M2	-21197.91	185.25	796.28	2.51	8804.67	4800.56
f-p2	SLU-17	Max M3	-20052.33	220.43	767.78	-0.93	15181.48	5692.34
f-p2	SLU-17	Min M3	-20128.41	158.11	770.65	5.79	14864.97	4091.30
f-p2	SLU-18	Max P	-16602.24	186.32	745.78	2.70	18650.64	4808.70
f-p2	SLU-18	Min P	-22690.21	193.02	707.74	2.60	25787.88	4966.80
f-p2	SLU-18	Max M2	-21276.15	196.47	693.65	2.58	28514.83	5049.92

f-p2	SLU-18	Min M2	-18024.28	182.90	759.88	2.73	15923.84	4726.08
f-p2	SLU-18	Max M3	-20077.48	220.74	718.51	5.94	22405.11	5685.45
f-p2	SLU-18	Min M3	-20080.01	162.66	722.91	-0.57	22190.79	4193.37
f-p2	SLU-19	Max P	-16554.49	249.59	-729.19	-3.00	-18363.31	6290.09
f-p2	SLU-19	Min P	-22727.55	243.27	-688.50	-2.16	-25404.06	6141.89
f-p2	SLU-19	Max M2	-18118.93	251.59	-742.59	-2.65	-15639.25	6336.26
f-p2	SLU-19	Min M2	-21198.65	240.80	-675.09	-2.61	-28186.84	6083.88
f-p2	SLU-19	Max M3	-20053.08	275.98	-703.60	-6.06	-21810.03	6975.66
f-p2	SLU-19	Min M3	-20129.16	213.66	-700.72	0.66	-22126.54	5374.61
f-p2	SLU-20	Max P	-16602.98	241.88	-725.59	-2.43	-18340.88	6092.02
f-p2	SLU-20	Min P	-22690.95	248.58	-763.64	-2.53	-11203.63	6250.12
f-p2	SLU-20	Max M2	-21276.89	252.02	-777.72	-2.55	-8476.68	6333.24
f-p2	SLU-20	Min M2	-18025.02	238.45	-711.49	-2.40	-21067.67	6009.40
f-p2	SLU-20	Max M3	-20078.22	276.29	-752.86	0.81	-14586.40	6968.76
f-p2	SLU-20	Min M3	-20080.76	218.21	-748.46	-5.70	-14800.72	5476.68
f-p2	SLU-21	Max P	-16998.31	192.36	741.87	2.07	18665.09	4963.56
f-p2	SLU-21	Min P	-23171.37	186.04	782.56	2.92	11624.33	4815.36
f-p2	SLU-21	Max M2	-18562.76	194.36	728.47	2.43	21389.14	5009.73
f-p2	SLU-21	Min M2	-21642.48	183.57	795.97	2.46	8841.55	4757.35
f-p2	SLU-21	Max M3	-20496.90	218.75	767.46	-0.99	15218.36	5649.13
f-p2	SLU-21	Min M3	-20572.98	156.43	770.34	5.73	14901.85	4048.08
f-p2	SLU-22	Max P	-17046.80	184.64	745.47	2.64	18687.52	4765.49
f-p2	SLU-22	Min P	-23134.77	191.35	707.42	2.54	25824.76	4923.59
f-p2	SLU-22	Max M2	-21720.71	194.79	693.34	2.53	28551.71	5006.71
f-p2	SLU-22	Min M2	-18468.84	181.22	759.56	2.67	15960.72	4682.87
f-p2	SLU-22	Max M3	-20522.04	219.06	718.20	5.88	22441.99	5642.23
f-p2	SLU-22	Min M3	-20524.58	160.98	722.59	-0.63	22227.67	4150.16
f-p2	SLU-23	Max P	-16999.05	247.91	-729.50	-3.06	-18326.43	6246.88
f-p2	SLU-23	Min P	-23172.11	241.59	-688.81	-2.21	-25367.18	6098.68
f-p2	SLU-23	Max M2	-18563.50	249.91	-742.91	-2.70	-15602.37	6293.05
f-p2	SLU-23	Min M2	-21643.22	239.12	-675.41	-2.67	-28149.96	6040.67
f-p2	SLU-23	Max M3	-20497.64	274.31	-703.91	-6.11	-21773.15	6932.45
f-p2	SLU-23	Min M3	-20573.72	211.98	-701.04	0.60	-22089.66	5331.40
f-p2	SLU-24	Max P	-17047.55	240.20	-725.91	-2.49	-18304.00	6048.80
f-p2	SLU-24	Min P	-23135.51	246.90	-763.95	-2.58	-11166.75	6206.91
f-p2	SLU-24	Max M2	-21721.45	250.34	-778.04	-2.60	-8439.80	6290.03
f-p2	SLU-24	Min M2	-18469.58	236.77	-711.81	-2.46	-21030.79	5966.19
f-p2	SLU-24	Max M3	-20522.78	274.61	-753.18	0.75	-14549.53	6925.55
f-p2	SLU-24	Min M3	-20525.32	216.53	-748.78	-5.76	-14763.85	5433.47
f-p2	SLU-25	Max P	-16467.03	193.98	742.10	2.08	18626.35	5005.45
f-p2	SLU-25	Min P	-22640.09	187.67	782.80	2.93	11585.59	4857.25
f-p2	SLU-25	Max M2	-18031.48	195.99	728.70	2.44	21350.40	5051.62
f-p2	SLU-25	Min M2	-21111.20	185.20	796.20	2.47	8802.81	4799.24
f-p2	SLU-25	Max M3	-19965.62	220.38	767.70	-0.98	15179.62	5691.02
f-p2	SLU-25	Min M3	-20041.70	158.06	770.57	5.74	14863.11	4089.97
f-p2	SLU-26	Max P	-16515.53	186.27	745.70	2.65	18648.78	4807.37
f-p2	SLU-26	Min P	-22603.49	192.97	707.65	2.56	25786.02	4965.47
f-p2	SLU-26	Max M2	-21189.43	196.42	693.57	2.54	28512.97	5048.59
f-p2	SLU-26	Min M2	-17937.56	182.85	759.80	2.68	15921.98	4724.76
f-p2	SLU-26	Max M3	-19990.76	220.69	718.43	5.89	22403.25	5684.12
f-p2	SLU-26	Min M3	-19993.30	162.61	722.83	-0.62	22188.93	4192.04

f-p2	SLU-27	Max P	-16467.77	249.54	-729.27	-3.05	-18365.17	6288.76
f-p2	SLU-27	Min P	-22640.83	243.22	-688.58	-2.20	-25405.92	6140.57
f-p2	SLU-27	Max M2	-18032.22	251.54	-742.67	-2.69	-15641.11	6334.94
f-p2	SLU-27	Min M2	-21111.94	240.75	-675.17	-2.66	-28188.70	6082.56
f-p2	SLU-27	Max M3	-19966.36	275.93	-703.68	-6.10	-21811.89	6974.33
f-p2	SLU-27	Min M3	-20042.44	213.61	-700.80	0.62	-22128.40	5373.29
f-p2	SLU-28	Max P	-16516.27	241.82	-725.67	-2.47	-18342.74	6090.69
f-p2	SLU-28	Min P	-22604.23	248.53	-763.72	-2.57	-11205.49	6248.79
f-p2	SLU-28	Max M2	-21190.17	251.97	-777.80	-2.59	-8478.54	6331.91
f-p2	SLU-28	Min M2	-17938.31	238.40	-711.58	-2.44	-21069.53	6008.07
f-p2	SLU-28	Max M3	-19991.50	276.24	-752.94	0.77	-14588.27	6967.44
f-p2	SLU-28	Min M3	-19994.04	218.16	-748.54	-5.75	-14802.59	5475.36
f-p2	SLU-29	Max P	-16911.60	192.30	741.79	2.02	18663.23	4962.24
f-p2	SLU-29	Min P	-23084.66	185.99	782.48	2.87	11622.47	4814.04
f-p2	SLU-29	Max M2	-18476.04	194.31	728.38	2.38	21387.28	5008.41
f-p2	SLU-29	Min M2	-21555.76	183.52	795.88	2.42	8839.69	4756.03
f-p2	SLU-29	Max M3	-20410.18	218.70	767.38	-1.03	15216.50	5647.80
f-p2	SLU-29	Min M3	-20486.26	156.38	770.25	5.69	14899.99	4046.76
f-p2	SLU-30	Max P	-16960.09	184.59	745.39	2.60	18685.65	4764.16
f-p2	SLU-30	Min P	-23048.06	191.29	707.34	2.50	25822.90	4922.26
f-p2	SLU-30	Max M2	-21634.00	194.74	693.26	2.48	28549.85	5005.38
f-p2	SLU-30	Min M2	-18382.13	181.17	759.48	2.63	15958.86	4681.54
f-p2	SLU-30	Max M3	-20435.33	219.01	718.11	5.84	22440.13	5640.91
f-p2	SLU-30	Min M3	-20437.86	160.93	722.51	-0.67	22225.81	4148.83
f-p2	SLU-31	Max P	-16912.34	247.86	-729.59	-3.10	-18328.29	6245.55
f-p2	SLU-31	Min P	-23085.40	241.54	-688.89	-2.25	-25369.05	6097.35
f-p2	SLU-31	Max M2	-18476.78	249.86	-742.99	-2.75	-15604.23	6291.72
f-p2	SLU-31	Min M2	-21556.50	239.07	-675.49	-2.71	-28151.83	6039.34
f-p2	SLU-31	Max M3	-20410.92	274.25	-703.99	-6.16	-21775.01	6931.12
f-p2	SLU-31	Min M3	-20487.00	211.93	-701.12	0.56	-22091.52	5330.07
f-p2	SLU-32	Max P	-16960.83	240.15	-725.99	-2.53	-18305.86	6047.48
f-p2	SLU-32	Min P	-23048.80	246.85	-764.04	-2.63	-11168.61	6205.58
f-p2	SLU-32	Max M2	-21634.74	250.29	-778.12	-2.65	-8441.66	6288.70
f-p2	SLU-32	Min M2	-18382.87	236.72	-711.89	-2.50	-21032.65	5964.86
f-p2	SLU-32	Max M3	-20436.07	274.56	-753.26	0.71	-14551.39	6924.22
f-p2	SLU-32	Min M3	-20438.60	216.48	-748.86	-5.80	-14765.71	5432.15
f-p2	SLU-33	Max P	-23049.28	458.36	753.79	7.51	18947.74	11800.00
f-p2	SLU-33	Min P	-26173.45	454.48	773.60	8.00	15258.79	11707.54
f-p2	SLU-33	Max M2	-23794.79	459.06	747.92	7.65	20233.58	11815.33
f-p2	SLU-33	Min M2	-25454.42	453.44	779.46	7.78	13928.91	11683.31
f-p2	SLU-33	Max M3	-24933.44	471.75	768.02	5.79	17123.16	12147.99
f-p2	SLU-33	Min M3	-24964.44	438.68	769.38	9.54	16956.47	11298.27
f-p2	SLU-34	Max P	-23074.84	453.31	755.61	7.80	18947.01	11670.14
f-p2	SLU-34	Min P	-26158.29	457.10	737.44	7.69	22708.14	11760.28
f-p2	SLU-34	Max M2	-25485.12	458.70	731.11	7.66	23991.63	11798.82
f-p2	SLU-34	Min M2	-23753.60	451.72	761.95	7.83	17663.63	11631.90
f-p2	SLU-34	Max M3	-24931.11	472.12	740.84	9.60	20929.32	12149.41
f-p2	SLU-34	Min M3	-24950.81	441.33	743.14	5.94	20843.86	11358.50
f-p2	SLU-35	Max P	-23050.03	513.92	-717.59	2.38	-18043.77	13083.32
f-p2	SLU-35	Min P	-26174.19	510.03	-697.78	2.87	-21732.72	12990.85
f-p2	SLU-35	Max M2	-23795.54	514.61	-723.45	2.52	-16757.93	13098.64

f-p2	SLU-35	Min M2	-25455.16	508.99	-691.91	2.65	-23062.60	12966.63
f-p2	SLU-35	Max M3	-24934.18	527.31	-703.35	0.66	-19868.35	13431.31
f-p2	SLU-35	Min M3	-24965.18	494.23	-701.99	4.41	-20035.04	12581.58
f-p2	SLU-36	Max P	-23075.59	508.86	-715.76	2.67	-18044.51	12953.46
f-p2	SLU-36	Min P	-26159.03	512.65	-733.93	2.56	-14283.38	13043.60
f-p2	SLU-36	Max M2	-25485.86	514.25	-740.26	2.54	-12999.89	13082.14
f-p2	SLU-36	Min M2	-23754.35	507.27	-709.42	2.70	-19327.88	12915.21
f-p2	SLU-36	Max M3	-24931.85	527.67	-730.53	4.47	-16062.20	13432.72
f-p2	SLU-36	Min M3	-24951.55	496.88	-728.24	0.81	-16147.65	12641.82
f-p2	SLU-37	Max P	-23493.85	456.69	753.47	7.46	18984.62	11756.79
f-p2	SLU-37	Min P	-26618.01	452.80	773.28	7.94	15295.67	11664.32
f-p2	SLU-37	Max M2	-24239.36	457.38	747.61	7.60	20270.46	11772.11
f-p2	SLU-37	Min M2	-25898.98	451.76	779.14	7.73	13965.79	11640.10
f-p2	SLU-37	Max M3	-25378.00	470.08	767.70	5.73	17160.04	12104.78
f-p2	SLU-37	Min M3	-25409.01	437.00	769.07	9.49	16993.35	11255.05
f-p2	SLU-38	Max P	-23519.41	451.63	755.29	7.74	18983.89	11626.93
f-p2	SLU-38	Min P	-26602.85	455.42	737.12	7.64	22745.01	11717.07
f-p2	SLU-38	Max M2	-25929.69	457.02	730.79	7.61	24028.51	11755.61
f-p2	SLU-38	Min M2	-24198.17	450.04	761.63	7.78	17700.51	11588.68
f-p2	SLU-38	Max M3	-25375.67	470.44	740.53	9.54	20966.20	12106.19
f-p2	SLU-38	Min M3	-25395.37	439.65	742.82	5.89	20880.74	11315.29
f-p2	SLU-39	Max P	-23494.59	512.24	-717.90	2.33	-18006.89	13040.11
f-p2	SLU-39	Min P	-26618.75	508.35	-698.09	2.81	-21695.84	12947.64
f-p2	SLU-39	Max M2	-24240.10	512.93	-723.77	2.47	-16721.05	13055.43
f-p2	SLU-39	Min M2	-25899.72	507.31	-692.23	2.60	-23025.72	12923.42
f-p2	SLU-39	Max M3	-25378.74	525.63	-703.67	0.60	-19831.47	13388.10
f-p2	SLU-39	Min M3	-25409.75	492.55	-702.31	4.36	-19998.16	12538.37
f-p2	SLU-40	Max P	-23520.15	507.18	-716.08	2.61	-18007.63	12910.24
f-p2	SLU-40	Min P	-26603.59	510.98	-734.25	2.51	-14246.50	13000.39
f-p2	SLU-40	Max M2	-25930.43	512.57	-740.58	2.48	-12963.01	13038.92
f-p2	SLU-40	Min M2	-24198.91	505.60	-709.74	2.65	-19291.00	12872.00
f-p2	SLU-40	Max M3	-25376.41	525.99	-730.85	4.41	-16025.32	13389.51
f-p2	SLU-40	Min M3	-25396.11	495.21	-728.55	0.76	-16110.77	12598.61
f-p2	SLU-41	Max P	-22962.57	458.31	753.70	7.47	18945.88	11798.68
f-p2	SLU-41	Min P	-26086.73	454.43	773.51	7.95	15256.93	11706.21
f-p2	SLU-41	Max M2	-23708.08	459.01	747.84	7.61	20231.72	11814.00
f-p2	SLU-41	Min M2	-25367.70	453.39	779.38	7.74	13927.05	11681.99
f-p2	SLU-41	Max M3	-24846.72	471.70	767.94	5.74	17121.30	12146.66
f-p2	SLU-41	Min M3	-24877.73	438.63	769.30	9.50	16954.61	11296.94
f-p2	SLU-42	Max P	-22988.13	453.26	755.53	7.75	18945.15	11668.81
f-p2	SLU-42	Min P	-26071.57	457.05	737.36	7.65	22706.27	11758.96
f-p2	SLU-42	Max M2	-25398.41	458.65	731.03	7.62	23989.77	11797.49
f-p2	SLU-42	Min M2	-23666.89	451.67	761.87	7.79	17661.77	11630.57
f-p2	SLU-42	Max M3	-24844.39	472.06	740.76	9.55	20927.46	12148.08
f-p2	SLU-42	Min M3	-24864.09	441.28	743.05	5.90	20842.00	11357.18
f-p2	SLU-43	Max P	-22963.31	513.87	-717.67	2.34	-18045.63	13082.00
f-p2	SLU-43	Min P	-26087.48	509.98	-697.86	2.83	-21734.58	12989.53
f-p2	SLU-43	Max M2	-23708.82	514.56	-723.53	2.48	-16759.79	13097.32
f-p2	SLU-43	Min M2	-25368.44	508.94	-691.99	2.61	-23064.46	12965.30
f-p2	SLU-43	Max M3	-24847.46	527.26	-703.43	0.62	-19870.21	13429.98
f-p2	SLU-43	Min M3	-24878.47	494.18	-702.07	4.37	-20036.90	12580.26

f-p2	SLU-44	Max P	-22988.87	508.81	-715.84	2.63	-18046.37	12952.13
f-p2	SLU-44	Min P	-26072.32	512.60	-734.01	2.52	-14285.24	13042.27
f-p2	SLU-44	Max M2	-25399.15	514.20	-740.34	2.49	-13001.75	13080.81
f-p2	SLU-44	Min M2	-23667.63	507.22	-709.50	2.66	-19329.74	12913.89
f-p2	SLU-44	Max M3	-24845.13	527.62	-730.61	4.42	-16064.06	13431.40
f-p2	SLU-44	Min M3	-24864.83	496.83	-728.32	0.77	-16149.51	12640.49
f-p2	SLU-45	Max P	-23407.13	456.63	753.39	7.41	18982.76	11755.47
f-p2	SLU-45	Min P	-26531.30	452.75	773.20	7.90	15293.81	11663.00
f-p2	SLU-45	Max M2	-24152.64	457.33	747.52	7.55	20268.60	11770.79
f-p2	SLU-45	Min M2	-25812.26	451.71	779.06	7.68	13963.93	11638.77
f-p2	SLU-45	Max M3	-25291.28	470.02	767.62	5.69	17158.18	12103.45
f-p2	SLU-45	Min M3	-25322.29	436.95	768.99	9.44	16991.49	11253.73
f-p2	SLU-46	Max P	-23432.69	451.58	755.21	7.70	18982.03	11625.60
f-p2	SLU-46	Min P	-26516.14	455.37	737.04	7.59	22743.15	11715.74
f-p2	SLU-46	Max M2	-25842.97	456.97	730.71	7.57	24026.65	11754.28
f-p2	SLU-46	Min M2	-24111.45	449.99	761.55	7.73	17698.65	11587.36
f-p2	SLU-46	Max M3	-25288.96	470.39	740.44	9.50	20964.33	12104.87
f-p2	SLU-46	Min M3	-25308.66	439.60	742.74	5.84	20878.88	11313.96
f-p2	SLU-47	Max P	-23407.87	512.19	-717.99	2.29	-18008.75	13038.78
f-p2	SLU-47	Min P	-26532.04	508.30	-698.18	2.77	-21697.70	12946.31
f-p2	SLU-47	Max M2	-24153.38	512.88	-723.85	2.43	-16722.91	13054.10
f-p2	SLU-47	Min M2	-25813.01	507.26	-692.31	2.55	-23027.58	12922.09
f-p2	SLU-47	Max M3	-25292.03	525.58	-703.75	0.56	-19833.33	13386.77
f-p2	SLU-47	Min M3	-25323.03	492.50	-702.39	4.31	-20000.03	12537.04
f-p2	SLU-48	Max P	-23433.43	507.13	-716.16	2.57	-18009.49	12908.92
f-p2	SLU-48	Min P	-26516.88	510.92	-734.33	2.46	-14248.36	12999.06
f-p2	SLU-48	Max M2	-25843.71	512.52	-740.66	2.44	-12964.87	13037.60
f-p2	SLU-48	Min M2	-24112.19	505.54	-709.82	2.61	-19292.86	12870.67
f-p2	SLU-48	Max M3	-25289.70	525.94	-730.93	4.37	-16027.18	13388.18
f-p2	SLU-48	Min M3	-25309.40	495.15	-728.64	0.72	-16112.63	12597.28
f-p2	SLU-49	Max P	-23059.01	-72.68	733.06	-2.78	18355.36	-1847.68
f-p2	SLU-49	Min P	-26183.18	-76.56	752.87	-2.30	14666.41	-1940.15
f-p2	SLU-49	Max M2	-23804.52	-71.99	727.19	-2.64	19641.20	-1832.36
f-p2	SLU-49	Min M2	-25464.14	-77.61	758.73	-2.51	13336.53	-1964.37
f-p2	SLU-49	Max M3	-24943.16	-59.29	747.29	-4.51	16530.78	-1499.69
f-p2	SLU-49	Min M3	-24974.17	-92.37	748.66	-0.75	16364.09	-2349.42
f-p2	SLU-50	Max P	-23084.57	-77.74	734.88	-2.50	18354.63	-1977.54
f-p2	SLU-50	Min P	-26168.02	-73.94	716.71	-2.60	22115.76	-1887.40
f-p2	SLU-50	Max M2	-25494.85	-72.34	710.38	-2.63	23399.25	-1848.86
f-p2	SLU-50	Min M2	-23763.33	-79.32	741.22	-2.46	17071.25	-2015.79
f-p2	SLU-50	Max M3	-24940.84	-58.93	720.12	-0.70	20336.94	-1498.28
f-p2	SLU-50	Min M3	-24960.54	-89.71	722.41	-4.35	20251.48	-2289.18
f-p2	SLU-51	Max P	-23059.75	-17.13	-738.31	-7.91	-18636.15	-564.36
f-p2	SLU-51	Min P	-26183.92	-21.01	-718.50	-7.43	-22325.10	-656.83
f-p2	SLU-51	Max M2	-23805.26	-16.43	-744.18	-7.77	-17350.31	-549.04
f-p2	SLU-51	Min M2	-25464.89	-22.05	-712.64	-7.64	-23654.98	-681.05
f-p2	SLU-51	Max M3	-24943.91	-3.74	-724.08	-9.64	-20460.73	-216.37
f-p2	SLU-51	Min M3	-24974.91	-36.81	-722.72	-5.88	-20627.42	-1066.10
f-p2	SLU-52	Max P	-23085.31	-22.18	-736.49	-7.62	-18636.89	-694.22
f-p2	SLU-52	Min P	-26168.76	-18.39	-754.66	-7.73	-14875.76	-604.08
f-p2	SLU-52	Max M2	-25495.59	-16.79	-760.99	-7.76	-13592.27	-565.55

f-p2	SLU-52	Min M2	-23764.07	-23.77	-730.15	-7.59	-19920.26	-732.47
f-p2	SLU-52	Max M3	-24941.58	-3.37	-751.26	-5.83	-16654.58	-214.96
f-p2	SLU-52	Min M3	-24961.28	-34.16	-748.96	-9.48	-16740.03	-1005.86
f-p2	SLU-53	Max P	-23503.58	-74.36	732.74	-2.84	18392.24	-1890.89
f-p2	SLU-53	Min P	-26627.74	-78.24	752.55	-2.35	14703.29	-1983.36
f-p2	SLU-53	Max M2	-24249.09	-73.66	726.88	-2.70	19678.08	-1875.57
f-p2	SLU-53	Min M2	-25908.71	-79.28	758.42	-2.57	13373.41	-2007.58
f-p2	SLU-53	Max M3	-25387.73	-60.97	746.98	-4.56	16567.66	-1542.90
f-p2	SLU-53	Min M3	-25418.73	-94.04	748.34	-0.81	16400.97	-2392.63
f-p2	SLU-54	Max P	-23529.14	-79.41	734.56	-2.55	18391.51	-2020.75
f-p2	SLU-54	Min P	-26612.58	-75.62	716.40	-2.66	22152.63	-1930.61
f-p2	SLU-54	Max M2	-25939.41	-74.02	710.07	-2.68	23436.13	-1892.08
f-p2	SLU-54	Min M2	-24207.90	-81.00	740.91	-2.52	17108.13	-2059.00
f-p2	SLU-54	Max M3	-25385.40	-60.61	719.80	-0.75	20373.82	-1541.49
f-p2	SLU-54	Min M3	-25405.10	-91.39	722.09	-4.41	20288.36	-2332.39
f-p2	SLU-55	Max P	-23504.32	-18.80	-738.63	-7.97	-18599.27	-607.57
f-p2	SLU-55	Min P	-26628.48	-22.69	-718.82	-7.48	-22288.22	-700.04
f-p2	SLU-55	Max M2	-24249.83	-18.11	-744.50	-7.83	-17313.43	-592.25
f-p2	SLU-55	Min M2	-25909.45	-23.73	-712.96	-7.70	-23618.10	-724.26
f-p2	SLU-55	Max M3	-25388.47	-5.41	-724.40	-9.69	-20423.85	-259.59
f-p2	SLU-55	Min M3	-25419.48	-38.49	-723.03	-5.94	-20590.54	-1109.31
f-p2	SLU-56	Max P	-23529.88	-23.86	-736.81	-7.68	-18600.01	-737.44
f-p2	SLU-56	Min P	-26613.32	-20.07	-754.98	-7.79	-14838.88	-647.29
f-p2	SLU-56	Max M2	-25940.16	-18.47	-761.31	-7.81	-13555.39	-608.76
f-p2	SLU-56	Min M2	-24208.64	-25.45	-730.47	-7.65	-19883.38	-775.68
f-p2	SLU-56	Max M3	-25386.14	-5.05	-751.57	-5.88	-16617.70	-258.17
f-p2	SLU-56	Min M3	-25405.84	-35.84	-749.28	-9.54	-16703.15	-1049.08
f-p2	SLU-57	Max P	-22972.30	-72.73	732.98	-2.83	18353.50	-1849.00
f-p2	SLU-57	Min P	-26096.46	-76.61	752.79	-2.34	14664.55	-1941.47
f-p2	SLU-57	Max M2	-23717.81	-72.04	727.11	-2.69	19639.34	-1833.68
f-p2	SLU-57	Min M2	-25377.43	-77.66	758.65	-2.56	13334.67	-1965.69
f-p2	SLU-57	Max M3	-24856.45	-59.34	747.21	-4.55	16528.92	-1501.02
f-p2	SLU-57	Min M3	-24887.46	-92.42	748.58	-0.80	16362.23	-2350.74
f-p2	SLU-58	Max P	-22997.86	-77.79	734.80	-2.54	18352.77	-1978.87
f-p2	SLU-58	Min P	-26081.30	-73.99	716.63	-2.65	22113.89	-1888.73
f-p2	SLU-58	Max M2	-25408.14	-72.40	710.30	-2.67	23397.39	-1850.19
f-p2	SLU-58	Min M2	-23676.62	-79.37	741.14	-2.51	17069.39	-2017.11
f-p2	SLU-58	Max M3	-24854.12	-58.98	720.03	-0.74	20335.08	-1499.60
f-p2	SLU-58	Min M3	-24873.82	-89.76	722.33	-4.40	20249.62	-2290.51
f-p2	SLU-59	Max P	-22973.04	-17.18	-738.40	-7.95	-18638.01	-565.69
f-p2	SLU-59	Min P	-26097.20	-21.06	-718.59	-7.47	-22326.96	-658.16
f-p2	SLU-59	Max M2	-23718.55	-16.48	-744.26	-7.81	-17352.17	-550.37
f-p2	SLU-59	Min M2	-25378.17	-22.10	-712.72	-7.68	-23656.84	-682.38
f-p2	SLU-59	Max M3	-24857.19	-3.79	-724.16	-9.68	-20462.59	-217.70
f-p2	SLU-59	Min M3	-24888.20	-36.86	-722.80	-5.92	-20629.28	-1067.43
f-p2	SLU-60	Max P	-22998.60	-22.23	-736.57	-7.67	-18638.75	-695.55
f-p2	SLU-60	Min P	-26082.04	-18.44	-754.74	-7.77	-14877.62	-605.41
f-p2	SLU-60	Max M2	-25408.88	-16.84	-761.07	-7.80	-13594.13	-566.87
f-p2	SLU-60	Min M2	-23677.36	-23.82	-730.23	-7.63	-19922.12	-733.80
f-p2	SLU-60	Max M3	-24854.86	-3.43	-751.34	-5.87	-16656.44	-216.28
f-p2	SLU-60	Min M3	-24874.56	-34.21	-749.05	-9.52	-16741.89	-1007.19

f-p2	SLU-61	Max P	-23416.86	-74.41	732.66	-2.88	18390.38	-1892.22
f-p2	SLU-61	Min P	-26541.03	-78.29	752.47	-2.40	14701.43	-1984.69
f-p2	SLU-61	Max M2	-24162.37	-73.72	726.80	-2.74	19676.22	-1876.90
f-p2	SLU-61	Min M2	-25821.99	-79.34	758.33	-2.61	13371.55	-2008.91
f-p2	SLU-61	Max M3	-25301.01	-61.02	746.90	-4.61	16565.80	-1544.23
f-p2	SLU-61	Min M3	-25332.02	-94.10	748.26	-0.85	16399.11	-2393.95
f-p2	SLU-62	Max P	-23442.42	-79.47	734.48	-2.60	18389.65	-2022.08
f-p2	SLU-62	Min P	-26525.87	-75.67	716.31	-2.70	22150.77	-1931.94
f-p2	SLU-62	Max M2	-25852.70	-74.07	709.98	-2.73	23434.27	-1893.40
f-p2	SLU-62	Min M2	-24121.18	-81.05	740.82	-2.56	17106.27	-2060.33
f-p2	SLU-62	Max M3	-25298.68	-60.66	719.72	-0.80	20371.95	-1542.81
f-p2	SLU-62	Min M3	-25318.38	-91.44	722.01	-4.45	20286.50	-2333.72
f-p2	SLU-63	Max P	-23417.60	-18.86	-738.71	-8.01	-18601.13	-608.90
f-p2	SLU-63	Min P	-26541.77	-22.74	-718.90	-7.52	-22290.08	-701.37
f-p2	SLU-63	Max M2	-24163.11	-18.16	-744.58	-7.87	-17315.29	-593.58
f-p2	SLU-63	Min M2	-25822.73	-23.78	-713.04	-7.74	-23619.96	-725.59
f-p2	SLU-63	Max M3	-25301.75	-5.47	-724.48	-9.73	-20425.71	-260.91
f-p2	SLU-63	Min M3	-25332.76	-38.54	-723.11	-5.98	-20592.41	-1110.64
f-p2	SLU-64	Max P	-23443.16	-23.91	-736.89	-7.72	-18601.87	-738.76
f-p2	SLU-64	Min P	-26526.61	-20.12	-755.06	-7.83	-14840.74	-648.62
f-p2	SLU-64	Max M2	-25853.44	-18.52	-761.39	-7.86	-13557.25	-610.08
f-p2	SLU-64	Min M2	-24121.92	-25.50	-730.55	-7.69	-19885.24	-777.01
f-p2	SLU-64	Max M3	-25299.43	-5.10	-751.66	-5.93	-16619.56	-259.50
f-p2	SLU-64	Min M3	-25319.13	-35.89	-749.36	-9.58	-16705.01	-1050.40
f-p2	SLU-65	Max P	-23053.92	189.38	782.47	-10.29	19776.47	4887.05
f-p2	SLU-65	Min P	-26178.08	185.50	802.28	-9.80	16087.52	4794.58
f-p2	SLU-65	Max M2	-23799.43	190.08	776.61	-10.15	21062.31	4902.37
f-p2	SLU-65	Min M2	-25459.05	184.46	808.15	-10.02	14757.64	4770.36
f-p2	SLU-65	Max M3	-24938.07	202.77	796.71	-12.01	17951.89	5235.04
f-p2	SLU-65	Min M3	-24969.07	169.70	798.07	-8.26	17785.20	4385.31
f-p2	SLU-66	Max P	-23079.47	184.33	784.30	-10.00	19775.74	4757.19
f-p2	SLU-66	Min P	-26162.92	188.12	766.13	-10.11	23536.86	4847.33
f-p2	SLU-66	Max M2	-25489.75	189.72	759.80	-10.13	24820.36	4885.86
f-p2	SLU-66	Min M2	-23758.24	182.74	790.64	-9.97	18492.36	4718.94
f-p2	SLU-66	Max M3	-24935.74	203.14	769.53	-8.20	21758.05	5236.45
f-p2	SLU-66	Min M3	-24955.44	172.35	771.82	-11.86	21672.59	4445.55
f-p2	SLU-67	Max P	-23054.66	244.94	-688.90	-15.41	-17215.04	6170.37
f-p2	SLU-67	Min P	-26178.82	241.05	-669.09	-14.93	-20903.99	6077.90
f-p2	SLU-67	Max M2	-23800.17	245.63	-694.76	-15.27	-15929.20	6185.69
f-p2	SLU-67	Min M2	-25459.79	240.01	-663.22	-15.14	-22233.87	6053.68
f-p2	SLU-67	Max M3	-24938.81	258.33	-674.66	-17.14	-19039.62	6518.35
f-p2	SLU-67	Min M3	-24969.81	225.25	-673.30	-13.38	-19206.31	5668.63
f-p2	SLU-68	Max P	-23080.22	239.88	-687.08	-15.13	-17215.78	6040.50
f-p2	SLU-68	Min P	-26163.66	243.67	-705.24	-15.23	-13454.65	6130.64
f-p2	SLU-68	Max M2	-25490.49	245.27	-711.57	-15.26	-12171.16	6169.18
f-p2	SLU-68	Min M2	-23758.98	238.29	-680.74	-15.09	-18499.15	6002.26
f-p2	SLU-68	Max M3	-24936.48	258.69	-701.84	-13.33	-15233.47	6519.77
f-p2	SLU-68	Min M3	-24956.18	227.90	-699.55	-16.98	-15318.92	5728.86
f-p2	SLU-69	Max P	-23498.48	187.70	782.16	-10.34	19813.35	4843.84
f-p2	SLU-69	Min P	-26622.64	183.82	801.97	-9.86	16124.40	4751.37
f-p2	SLU-69	Max M2	-24243.99	188.40	776.29	-10.20	21099.19	4859.16

f-p2	SLU-69	Min M2	-25903.61	182.78	807.83	-10.07	14794.52	4727.15
f-p2	SLU-69	Max M3	-25382.63	201.10	796.39	-12.07	17988.77	5191.82
f-p2	SLU-69	Min M3	-25413.64	168.02	797.75	-8.31	17822.08	4342.10
f-p2	SLU-70	Max P	-23524.04	182.65	783.98	-10.06	19812.62	4713.97
f-p2	SLU-70	Min P	-26607.48	186.44	765.81	-10.16	23573.74	4804.11
f-p2	SLU-70	Max M2	-25934.32	188.04	759.48	-10.19	24857.24	4842.65
f-p2	SLU-70	Min M2	-24202.80	181.06	790.32	-10.02	18529.24	4675.73
f-p2	SLU-70	Max M3	-25380.30	201.46	769.21	-8.26	21794.92	5193.24
f-p2	SLU-70	Min M3	-25400.00	170.67	771.51	-11.91	21709.47	4402.33
f-p2	SLU-71	Max P	-23499.22	243.26	-689.22	-15.47	-17178.16	6127.15
f-p2	SLU-71	Min P	-26623.38	239.37	-669.41	-14.98	-20867.11	6034.68
f-p2	SLU-71	Max M2	-24244.73	243.95	-695.08	-15.33	-15892.32	6142.47
f-p2	SLU-71	Min M2	-25904.35	238.33	-663.54	-15.20	-22196.99	6010.46
f-p2	SLU-71	Max M3	-25383.37	256.65	-674.98	-17.19	-19002.74	6475.14
f-p2	SLU-71	Min M3	-25414.38	223.57	-673.62	-13.44	-19169.43	5625.42
f-p2	SLU-72	Max P	-23524.78	238.20	-687.39	-15.18	-17178.90	5997.29
f-p2	SLU-72	Min P	-26608.22	242.00	-705.56	-15.29	-13417.77	6087.43
f-p2	SLU-72	Max M2	-25935.06	243.59	-711.89	-15.32	-12134.28	6125.97
f-p2	SLU-72	Min M2	-24203.54	236.62	-681.05	-15.15	-18462.27	5959.04
f-p2	SLU-72	Max M3	-25381.04	257.01	-702.16	-13.39	-15196.59	6476.56
f-p2	SLU-72	Min M3	-25400.74	226.23	-699.87	-17.04	-15282.04	5685.65
f-p2	SLU-73	Max P	-22967.20	189.33	782.39	-10.33	19774.61	4885.72
f-p2	SLU-73	Min P	-26091.37	185.45	802.20	-9.85	16085.66	4793.25
f-p2	SLU-73	Max M2	-23712.71	190.03	776.53	-10.19	21060.45	4901.04
f-p2	SLU-73	Min M2	-25372.33	184.41	808.07	-10.06	14755.78	4769.03
f-p2	SLU-73	Max M3	-24851.35	202.72	796.63	-12.06	17950.03	5233.71
f-p2	SLU-73	Min M3	-24882.36	169.65	797.99	-8.30	17783.34	4383.98
f-p2	SLU-74	Max P	-22992.76	184.28	784.21	-10.04	19773.88	4755.86
f-p2	SLU-74	Min P	-26076.21	188.07	766.05	-10.15	23535.00	4846.00
f-p2	SLU-74	Max M2	-25403.04	189.67	759.72	-10.18	24818.50	4884.54
f-p2	SLU-74	Min M2	-23671.52	182.69	790.56	-10.01	18490.50	4717.61
f-p2	SLU-74	Max M3	-24849.02	203.08	769.45	-8.25	21756.18	5235.12
f-p2	SLU-74	Min M3	-24868.72	172.30	771.74	-11.90	21670.73	4444.22
f-p2	SLU-75	Max P	-22967.94	244.88	-688.98	-15.46	-17216.90	6169.04
f-p2	SLU-75	Min P	-26092.11	241.00	-669.17	-14.97	-20905.85	6076.57
f-p2	SLU-75	Max M2	-23713.45	245.58	-694.85	-15.32	-15931.06	6184.36
f-p2	SLU-75	Min M2	-25373.07	239.96	-663.31	-15.19	-22235.73	6052.35
f-p2	SLU-75	Max M3	-24852.09	258.28	-674.75	-17.18	-19041.48	6517.03
f-p2	SLU-75	Min M3	-24883.10	225.20	-673.38	-13.43	-19208.17	5667.30
f-p2	SLU-76	Max P	-22993.50	239.83	-687.16	-15.17	-17217.64	6039.18
f-p2	SLU-76	Min P	-26076.95	243.62	-705.33	-15.28	-13456.51	6129.32
f-p2	SLU-76	Max M2	-25403.78	245.22	-711.66	-15.30	-12173.02	6167.85
f-p2	SLU-76	Min M2	-23672.26	238.24	-680.82	-15.14	-18501.01	6000.93
f-p2	SLU-76	Max M3	-24849.76	258.64	-701.92	-13.37	-15235.33	6518.44
f-p2	SLU-76	Min M3	-24869.46	227.85	-699.63	-17.03	-15320.78	5727.54
f-p2	SLU-77	Max P	-23411.76	187.65	782.07	-10.39	19811.49	4842.51
f-p2	SLU-77	Min P	-26535.93	183.77	801.88	-9.90	16122.54	4750.04
f-p2	SLU-77	Max M2	-24157.27	188.35	776.21	-10.25	21097.33	4857.83
f-p2	SLU-77	Min M2	-25816.90	182.73	807.75	-10.12	14792.66	4725.82
f-p2	SLU-77	Max M3	-25295.92	201.04	796.31	-12.11	17986.91	5190.50
f-p2	SLU-77	Min M3	-25326.92	167.97	797.67	-8.36	17820.22	4340.77

f-p2	SLU-78	Max P	-23437.32	182.60	783.90	-10.10	19810.76	4712.65
f-p2	SLU-78	Min P	-26520.77	186.39	765.73	-10.21	23571.88	4802.79
f-p2	SLU-78	Max M2	-25847.60	187.99	759.40	-10.23	24855.38	4841.32
f-p2	SLU-78	Min M2	-24116.08	181.01	790.24	-10.07	18527.38	4674.40
f-p2	SLU-78	Max M3	-25293.59	201.41	769.13	-8.30	21793.06	5191.91
f-p2	SLU-78	Min M3	-25313.29	170.62	771.42	-11.95	21707.61	4401.01
f-p2	SLU-79	Max P	-23412.50	243.21	-689.30	-15.51	-17180.02	6125.83
f-p2	SLU-79	Min P	-26536.67	239.32	-669.49	-15.03	-20868.97	6033.36
f-p2	SLU-79	Max M2	-24158.01	243.90	-695.16	-15.37	-15894.19	6141.15
f-p2	SLU-79	Min M2	-25817.64	238.28	-663.62	-15.24	-22198.86	6009.14
f-p2	SLU-79	Max M3	-25296.66	256.60	-675.06	-17.24	-19004.60	6473.81
f-p2	SLU-79	Min M3	-25327.66	223.52	-673.70	-13.48	-19171.30	5624.09
f-p2	SLU-80	Max P	-23438.06	238.15	-687.48	-15.23	-17180.76	5995.96
f-p2	SLU-80	Min P	-26521.51	241.94	-705.64	-15.33	-13419.63	6086.11
f-p2	SLU-80	Max M2	-25848.34	243.54	-711.97	-15.36	-12136.14	6124.64
f-p2	SLU-80	Min M2	-24116.82	236.56	-681.13	-15.19	-18464.13	5957.72
f-p2	SLU-80	Max M3	-25294.33	256.96	-702.24	-13.43	-15198.45	6475.23
f-p2	SLU-80	Min M3	-25314.03	226.17	-699.95	-17.08	-15283.91	5684.32
f-p2	SLU-81	Max P	-23053.67	194.15	685.71	-13.70	16993.63	5010.06
f-p2	SLU-81	Min P	-26177.84	190.27	705.52	-13.22	13304.68	4917.59
f-p2	SLU-81	Max M2	-23799.18	194.84	679.84	-13.56	18279.47	5025.38
f-p2	SLU-81	Min M2	-25458.81	189.22	711.38	-13.43	11974.80	4893.37
f-p2	SLU-81	Max M3	-24937.83	207.54	699.94	-15.43	15169.05	5358.04
f-p2	SLU-81	Min M3	-24968.83	174.46	701.31	-11.67	15002.36	4508.32
f-p2	SLU-82	Max P	-23079.23	189.09	687.53	-13.41	16992.89	4880.19
f-p2	SLU-82	Min P	-26162.68	192.89	669.36	-13.52	20754.02	4970.33
f-p2	SLU-82	Max M2	-25489.51	194.49	663.03	-13.55	22037.51	5008.87
f-p2	SLU-82	Min M2	-23757.99	187.51	693.87	-13.38	15709.52	4841.95
f-p2	SLU-82	Max M3	-24935.50	207.90	672.76	-11.62	18975.20	5359.46
f-p2	SLU-82	Min M3	-24955.20	177.12	675.06	-15.27	18889.75	4568.55
f-p2	SLU-83	Max P	-23054.42	249.70	-785.67	-18.83	-19997.89	6293.37
f-p2	SLU-83	Min P	-26178.58	245.82	-765.86	-18.34	-23686.83	6200.90
f-p2	SLU-83	Max M2	-23799.93	250.40	-791.53	-18.69	-18712.05	6308.69
f-p2	SLU-83	Min M2	-25459.55	244.78	-759.99	-18.56	-25016.72	6176.68
f-p2	SLU-83	Max M3	-24938.57	263.09	-771.43	-20.55	-21822.47	6641.36
f-p2	SLU-83	Min M3	-24969.57	230.02	-770.07	-16.80	-21989.16	5791.64
f-p2	SLU-84	Max P	-23079.97	244.65	-783.84	-18.54	-19998.62	6163.51
f-p2	SLU-84	Min P	-26163.42	248.44	-802.01	-18.65	-16237.49	6253.65
f-p2	SLU-84	Max M2	-25490.25	250.04	-808.34	-18.67	-14954.00	6292.19
f-p2	SLU-84	Min M2	-23758.74	243.06	-777.50	-18.51	-21282.00	6125.26
f-p2	SLU-84	Max M3	-24936.24	263.45	-798.61	-16.74	-18016.31	6642.78
f-p2	SLU-84	Min M3	-24955.94	232.67	-796.32	-20.40	-18101.77	5851.87
f-p2	SLU-85	Max P	-23498.24	192.47	685.39	-13.76	17030.51	4966.84
f-p2	SLU-85	Min P	-26622.40	188.59	705.20	-13.27	13341.56	4874.38
f-p2	SLU-85	Max M2	-24243.75	193.16	679.53	-13.62	18316.35	4982.17
f-p2	SLU-85	Min M2	-25903.37	187.54	711.06	-13.49	12011.68	4850.15
f-p2	SLU-85	Max M3	-25382.39	205.86	699.63	-15.48	15205.93	5314.83
f-p2	SLU-85	Min M3	-25413.40	172.79	700.99	-11.73	15039.24	4465.11
f-p2	SLU-86	Max P	-23523.80	187.41	687.21	-13.47	17029.77	4836.98
f-p2	SLU-86	Min P	-26607.24	191.21	669.04	-13.58	20790.90	4927.12
f-p2	SLU-86	Max M2	-25934.08	192.81	662.71	-13.60	22074.39	4965.66

f-p2	SLU-86	Min M2	-24202.56	185.83	693.55	-13.44	15746.40	4798.74
f-p2	SLU-86	Max M3	-25380.06	206.22	672.45	-11.67	19012.08	5316.25
f-p2	SLU-86	Min M3	-25399.76	175.44	674.74	-15.33	18926.63	4525.34
f-p2	SLU-87	Max P	-23498.98	248.02	-785.98	-18.88	-19961.01	6250.16
f-p2	SLU-87	Min P	-26623.14	244.14	-766.17	-18.40	-23649.96	6157.69
f-p2	SLU-87	Max M2	-24244.49	248.72	-791.85	-18.74	-18675.17	6265.48
f-p2	SLU-87	Min M2	-25904.11	243.10	-760.31	-18.61	-24979.84	6133.47
f-p2	SLU-87	Max M3	-25383.13	261.42	-771.75	-20.61	-21785.59	6598.15
f-p2	SLU-87	Min M3	-25414.14	228.34	-770.38	-16.85	-21952.28	5748.42
f-p2	SLU-88	Max P	-23524.54	242.97	-784.16	-18.60	-19961.74	6120.30
f-p2	SLU-88	Min P	-26607.98	246.76	-802.33	-18.70	-16200.62	6210.44
f-p2	SLU-88	Max M2	-25934.82	248.36	-808.66	-18.73	-14917.12	6248.98
f-p2	SLU-88	Min M2	-24203.30	241.38	-777.82	-18.56	-21245.12	6082.05
f-p2	SLU-88	Max M3	-25380.80	261.78	-798.93	-16.80	-17979.43	6599.56
f-p2	SLU-88	Min M3	-25400.50	230.99	-796.63	-20.45	-18064.89	5808.66
f-p2	SLU-89	Max P	-22966.96	194.10	685.62	-13.74	16991.77	5008.73
f-p2	SLU-89	Min P	-26091.12	190.21	705.43	-13.26	13302.82	4916.26
f-p2	SLU-89	Max M2	-23712.47	194.79	679.76	-13.60	18277.61	5024.05
f-p2	SLU-89	Min M2	-25372.09	189.17	711.30	-13.47	11972.94	4892.04
f-p2	SLU-89	Max M3	-24851.11	207.49	699.86	-15.47	15167.19	5356.72
f-p2	SLU-89	Min M3	-24882.12	174.41	701.22	-11.71	15000.50	4506.99
f-p2	SLU-90	Max P	-22992.52	189.04	687.45	-13.46	16991.03	4878.87
f-p2	SLU-90	Min P	-26075.96	192.84	669.28	-13.56	20752.16	4969.01
f-p2	SLU-90	Max M2	-25402.80	194.43	662.95	-13.59	22035.65	5007.54
f-p2	SLU-90	Min M2	-23671.28	187.45	693.79	-13.42	15707.66	4840.62
f-p2	SLU-90	Max M3	-24848.78	207.85	672.68	-11.66	18973.34	5358.13
f-p2	SLU-90	Min M3	-24868.48	177.07	674.97	-15.31	18887.89	4567.23
f-p2	SLU-91	Max P	-22967.70	249.65	-785.75	-18.87	-19999.75	6292.05
f-p2	SLU-91	Min P	-26091.87	245.77	-765.94	-18.39	-23688.70	6199.58
f-p2	SLU-91	Max M2	-23713.21	250.34	-791.61	-18.73	-18713.91	6307.37
f-p2	SLU-91	Min M2	-25372.83	244.72	-760.07	-18.60	-25018.58	6175.36
f-p2	SLU-91	Max M3	-24851.85	263.04	-771.51	-20.60	-21824.33	6640.03
f-p2	SLU-91	Min M3	-24882.86	229.97	-770.15	-16.84	-21991.02	5790.31
f-p2	SLU-92	Max P	-22993.26	244.59	-783.92	-18.59	-20000.48	6162.18
f-p2	SLU-92	Min P	-26076.71	248.39	-802.09	-18.69	-16239.35	6252.33
f-p2	SLU-92	Max M2	-25403.54	249.99	-808.42	-18.72	-14955.86	6290.86
f-p2	SLU-92	Min M2	-23672.02	243.01	-777.58	-18.55	-21283.86	6123.94
f-p2	SLU-92	Max M3	-24849.52	263.40	-798.69	-16.79	-18018.17	6641.45
f-p2	SLU-92	Min M3	-24869.22	232.62	-796.40	-20.44	-18103.63	5850.54
f-p2	SLU-93	Max P	-23411.52	192.42	685.31	-13.80	17028.65	4965.52
f-p2	SLU-93	Min P	-26535.69	188.54	705.12	-13.31	13339.70	4873.05
f-p2	SLU-93	Max M2	-24157.03	193.11	679.44	-13.66	18314.49	4980.84
f-p2	SLU-93	Min M2	-25816.65	187.49	710.98	-13.53	12009.82	4848.83
f-p2	SLU-93	Max M3	-25295.67	205.81	699.54	-15.52	15204.07	5313.50
f-p2	SLU-93	Min M3	-25326.68	172.73	700.91	-11.77	15037.37	4463.78
f-p2	SLU-94	Max P	-23437.08	187.36	687.13	-13.51	17027.91	4835.65
f-p2	SLU-94	Min P	-26520.53	191.16	668.96	-13.62	20789.04	4925.80
f-p2	SLU-94	Max M2	-25847.36	192.76	662.63	-13.65	22072.53	4964.33
f-p2	SLU-94	Min M2	-24115.84	185.78	693.47	-13.48	15744.54	4797.41
f-p2	SLU-94	Max M3	-25293.35	206.17	672.36	-11.72	19010.22	5314.92
f-p2	SLU-94	Min M3	-25313.05	175.39	674.66	-15.37	18924.76	4524.02

f-p2	SLU-95	Max P	-23412.26	247.97	-786.07	-18.93	-19962.87	6248.84
f-p2	SLU-95	Min P	-26536.43	244.09	-766.26	-18.44	-23651.82	6156.37
f-p2	SLU-95	Max M2	-24157.77	248.67	-791.93	-18.79	-18677.03	6264.16
f-p2	SLU-95	Min M2	-25817.40	243.05	-760.39	-18.66	-24981.70	6132.14
f-p2	SLU-95	Max M3	-25296.42	261.36	-771.83	-20.65	-21787.45	6596.82
f-p2	SLU-95	Min M3	-25327.42	228.29	-770.47	-16.90	-21954.14	5747.10
f-p2	SLU-96	Max P	-23437.82	242.92	-784.24	-18.64	-19963.60	6118.97
f-p2	SLU-96	Min P	-26521.27	246.71	-802.41	-18.75	-16202.48	6209.11
f-p2	SLU-96	Max M2	-25848.10	248.31	-808.74	-18.77	-14918.98	6247.65
f-p2	SLU-96	Min M2	-24116.58	241.33	-777.90	-18.61	-21246.98	6080.73
f-p2	SLU-96	Max M3	-25294.09	261.72	-799.01	-16.84	-17981.29	6598.24
f-p2	SLU-96	Min M3	-25313.79	230.94	-796.72	-20.50	-18066.75	5807.33
f-p2	SLU-97	Max P	-23053.91	173.04	1234.01	4.07	30947.82	4515.54
f-p2	SLU-97	Min P	-26178.08	169.16	1253.82	4.55	27258.87	4423.07
f-p2	SLU-97	Max M2	-23799.42	173.74	1228.15	4.21	32233.66	4530.86
f-p2	SLU-97	Min M2	-25459.05	168.12	1259.69	4.33	25928.99	4398.85
f-p2	SLU-97	Max M3	-24938.07	186.44	1248.25	2.34	29123.24	4863.53
f-p2	SLU-97	Min M3	-24969.07	153.36	1249.61	6.09	28956.55	4013.80
f-p2	SLU-98	Max P	-23079.47	167.99	1235.84	4.35	30947.08	4385.68
f-p2	SLU-98	Min P	-26162.92	171.78	1217.67	4.24	34708.21	4475.82
f-p2	SLU-98	Max M2	-25489.75	173.38	1211.34	4.22	35991.70	4514.36
f-p2	SLU-98	Min M2	-23758.23	166.40	1242.18	4.39	29663.71	4347.43
f-p2	SLU-98	Max M3	-24935.74	186.80	1221.07	6.15	32929.39	4864.94
f-p2	SLU-98	Min M3	-24955.44	156.01	1223.36	2.50	32843.94	4074.04
f-p2	SLU-99	Max P	-23055.15	265.63	-1218.27	-4.48	-30704.70	6654.40
f-p2	SLU-99	Min P	-26179.31	261.75	-1198.46	-4.00	-34393.65	6561.93
f-p2	SLU-99	Max M2	-23800.66	266.33	-1224.14	-4.34	-29418.87	6669.72
f-p2	SLU-99	Min M2	-25460.28	260.71	-1192.60	-4.21	-35723.54	6537.71
f-p2	SLU-99	Max M3	-24939.30	279.02	-1204.04	-6.21	-32529.28	7002.39
f-p2	SLU-99	Min M3	-24970.31	245.95	-1202.68	-2.45	-32695.98	6152.66
f-p2	SLU-100	Max P	-23080.71	260.58	-1216.45	-4.19	-30705.44	6524.54
f-p2	SLU-100	Min P	-26164.15	264.37	-1234.62	-4.30	-26944.31	6614.68
f-p2	SLU-100	Max M2	-25490.99	265.97	-1240.95	-4.33	-25660.82	6653.22
f-p2	SLU-100	Min M2	-23759.47	258.99	-1210.11	-4.16	-31988.82	6486.29
f-p2	SLU-100	Max M3	-24936.97	279.38	-1231.22	-2.40	-28723.13	7003.81
f-p2	SLU-100	Min M3	-24956.67	248.60	-1228.92	-6.05	-28808.59	6212.90
f-p2	SLU-101	Max P	-23498.48	171.37	1233.70	4.01	30984.70	4472.33
f-p2	SLU-101	Min P	-26622.64	167.48	1253.51	4.49	27295.75	4379.86
f-p2	SLU-101	Max M2	-24243.99	172.06	1227.83	4.15	32270.54	4487.65
f-p2	SLU-101	Min M2	-25903.61	166.44	1259.37	4.28	25965.87	4355.64
f-p2	SLU-101	Max M3	-25382.63	184.76	1247.93	2.28	29160.12	4820.32
f-p2	SLU-101	Min M3	-25413.64	151.68	1249.29	6.04	28993.43	3970.59
f-p2	SLU-102	Max P	-23524.04	166.31	1235.52	4.30	30983.96	4342.46
f-p2	SLU-102	Min P	-26607.48	170.10	1217.35	4.19	34745.09	4432.61
f-p2	SLU-102	Max M2	-25934.32	171.70	1211.02	4.16	36028.58	4471.14
f-p2	SLU-102	Min M2	-24202.80	164.72	1241.86	4.33	29700.59	4304.22
f-p2	SLU-102	Max M3	-25380.30	185.12	1220.75	6.09	32966.27	4821.73
f-p2	SLU-102	Min M3	-25400.00	154.33	1223.05	2.44	32880.82	4030.83
f-p2	SLU-103	Max P	-23499.71	263.95	-1218.59	-4.54	-30667.83	6611.19
f-p2	SLU-103	Min P	-26623.88	260.07	-1198.78	-4.05	-34356.77	6518.72
f-p2	SLU-103	Max M2	-24245.22	264.65	-1224.45	-4.40	-29381.99	6626.51

f-p2	SLU-103	Min M2	-25904.84	259.03	-1192.92	-4.27	-35686.66	6494.50
f-p2	SLU-103	Max M3	-25383.86	277.35	-1204.36	-6.26	-32492.41	6959.18
f-p2	SLU-103	Min M3	-25414.87	244.27	-1202.99	-2.51	-32659.10	6109.45
f-p2	SLU-104	Max P	-23525.27	258.90	-1216.77	-4.25	-30668.56	6481.33
f-p2	SLU-104	Min P	-26608.72	262.69	-1234.94	-4.36	-26907.43	6571.47
f-p2	SLU-104	Max M2	-25935.55	264.29	-1241.27	-4.38	-25623.94	6610.00
f-p2	SLU-104	Min M2	-24204.03	257.31	-1210.43	-4.22	-31951.94	6443.08
f-p2	SLU-104	Max M3	-25381.54	277.71	-1231.53	-2.45	-28686.25	6960.59
f-p2	SLU-104	Min M3	-25401.24	246.92	-1229.24	-6.11	-28771.71	6169.69
f-p2	SLU-105	Max P	-22967.20	172.99	1233.93	4.02	30945.96	4514.22
f-p2	SLU-105	Min P	-26091.36	169.11	1253.74	4.51	27257.01	4421.75
f-p2	SLU-105	Max M2	-23712.71	173.69	1228.07	4.16	32231.80	4529.54
f-p2	SLU-105	Min M2	-25372.33	168.07	1259.61	4.29	25927.13	4397.52
f-p2	SLU-105	Max M3	-24851.35	186.38	1248.17	2.30	29121.38	4862.20
f-p2	SLU-105	Min M3	-24882.36	153.31	1249.53	6.05	28954.69	4012.48
f-p2	SLU-106	Max P	-22992.76	167.94	1235.76	4.31	30945.22	4384.35
f-p2	SLU-106	Min P	-26076.20	171.73	1217.59	4.20	34706.35	4474.49
f-p2	SLU-106	Max M2	-25403.04	173.33	1211.26	4.18	35989.84	4513.03
f-p2	SLU-106	Min M2	-23671.52	166.35	1242.10	4.34	29661.85	4346.11
f-p2	SLU-106	Max M3	-24849.02	186.74	1220.99	6.11	32927.53	4863.62
f-p2	SLU-106	Min M3	-24868.72	155.96	1223.28	2.45	32842.08	4072.71
f-p2	SLU-107	Max P	-22968.43	265.58	-1218.36	-4.52	-30706.57	6653.08
f-p2	SLU-107	Min P	-26092.60	261.70	-1198.55	-4.04	-34395.51	6560.61
f-p2	SLU-107	Max M2	-23713.94	266.27	-1224.22	-4.38	-29420.73	6668.40
f-p2	SLU-107	Min M2	-25373.57	260.65	-1192.68	-4.25	-35725.40	6536.39
f-p2	SLU-107	Max M3	-24852.59	278.97	-1204.12	-6.25	-32531.15	7001.06
f-p2	SLU-107	Min M3	-24883.59	245.90	-1202.76	-2.49	-32697.84	6151.34
f-p2	SLU-108	Max P	-22993.99	260.52	-1216.53	-4.24	-30707.30	6523.21
f-p2	SLU-108	Min P	-26077.44	264.32	-1234.70	-4.34	-26946.17	6613.35
f-p2	SLU-108	Max M2	-25404.27	265.92	-1241.03	-4.37	-25662.68	6651.89
f-p2	SLU-108	Min M2	-23672.75	258.94	-1210.19	-4.20	-31990.68	6484.97
f-p2	SLU-108	Max M3	-24850.26	279.33	-1231.30	-2.44	-28724.99	7002.48
f-p2	SLU-108	Min M3	-24869.96	248.55	-1229.01	-6.09	-28810.45	6211.57
f-p2	SLU-109	Max P	-23411.76	171.31	1233.61	3.97	30982.84	4471.00
f-p2	SLU-109	Min P	-26535.93	167.43	1253.42	4.45	27293.89	4378.53
f-p2	SLU-109	Max M2	-24157.27	172.01	1227.75	4.11	32268.68	4486.32
f-p2	SLU-109	Min M2	-25816.89	166.39	1259.29	4.24	25964.01	4354.31
f-p2	SLU-109	Max M3	-25295.91	184.71	1247.85	2.24	29158.26	4818.99
f-p2	SLU-109	Min M3	-25326.92	151.63	1249.21	6.00	28991.56	3969.26
f-p2	SLU-110	Max P	-23437.32	166.26	1235.44	4.25	30982.10	4341.14
f-p2	SLU-110	Min P	-26520.77	170.05	1217.27	4.15	34743.23	4431.28
f-p2	SLU-110	Max M2	-25847.60	171.65	1210.94	4.12	36026.72	4469.82
f-p2	SLU-110	Min M2	-24116.08	164.67	1241.78	4.29	29698.73	4302.89
f-p2	SLU-110	Max M3	-25293.59	185.07	1220.67	6.05	32964.41	4820.40
f-p2	SLU-110	Min M3	-25313.29	154.28	1222.96	2.40	32878.96	4029.50
f-p2	SLU-111	Max P	-23413.00	263.90	-1218.67	-4.58	-30669.69	6609.86
f-p2	SLU-111	Min P	-26537.16	260.02	-1198.86	-4.09	-34358.64	6517.39
f-p2	SLU-111	Max M2	-24158.51	264.60	-1224.54	-4.44	-29383.85	6625.18
f-p2	SLU-111	Min M2	-25818.13	258.98	-1193.00	-4.31	-35688.52	6493.17
f-p2	SLU-111	Max M3	-25297.15	277.29	-1204.44	-6.30	-32494.27	6957.85
f-p2	SLU-111	Min M3	-25328.16	244.22	-1203.07	-2.55	-32660.96	6108.13

f-p2	SLU-112	Max P	-23438.56	258.85	-1216.85	-4.29	-30670.42	6480.00
f-p2	SLU-112	Min P	-26522.00	262.64	-1235.02	-4.40	-26909.30	6570.14
f-p2	SLU-112	Max M2	-25848.84	264.24	-1241.35	-4.43	-25625.80	6608.68
f-p2	SLU-112	Min M2	-24117.32	257.26	-1210.51	-4.26	-31953.80	6441.75
f-p2	SLU-112	Max M3	-25294.82	277.65	-1231.62	-2.49	-28688.11	6959.27
f-p2	SLU-112	Min M3	-25314.52	246.87	-1229.32	-6.15	-28773.57	6168.36
f-p2	SLU-113	Max P	-23083.03	339.15	749.21	2.24	18796.64	8701.51
f-p2	SLU-113	Min P	-26207.19	335.27	769.02	2.72	15107.70	8609.04
f-p2	SLU-113	Max M2	-23828.54	339.84	743.34	2.38	20082.48	8716.83
f-p2	SLU-113	Min M2	-25488.16	334.22	774.88	2.51	13777.81	8584.82
f-p2	SLU-113	Max M3	-24967.18	352.54	763.44	0.51	16972.06	9049.49
f-p2	SLU-113	Min M3	-24998.19	319.46	764.81	4.27	16805.37	8199.77
f-p2	SLU-114	Max P	-23108.59	334.09	751.03	2.52	18795.91	8571.64
f-p2	SLU-114	Min P	-26192.03	337.89	732.86	2.42	22557.04	8661.79
f-p2	SLU-114	Max M2	-25518.87	339.49	726.53	2.39	23840.53	8700.32
f-p2	SLU-114	Min M2	-23787.35	332.51	757.37	2.56	17512.53	8533.40
f-p2	SLU-114	Max M3	-24964.85	352.90	736.26	4.32	20778.22	9050.91
f-p2	SLU-114	Min M3	-24984.55	322.12	738.56	0.67	20692.76	8260.00
f-p2	SLU-115	Max P	-23083.77	394.70	-722.17	-2.89	-18194.87	9984.82
f-p2	SLU-115	Min P	-26207.94	390.82	-702.36	-2.40	-21883.82	9892.36
f-p2	SLU-115	Max M2	-23829.28	395.40	-728.03	-2.75	-16909.03	10000.15
f-p2	SLU-115	Min M2	-25488.90	389.78	-696.49	-2.62	-23213.70	9868.13
f-p2	SLU-115	Max M3	-24967.92	408.09	-707.93	-4.61	-20019.45	10332.81
f-p2	SLU-115	Min M3	-24998.93	375.02	-706.57	-0.86	-20186.14	9483.09
f-p2	SLU-116	Max P	-23109.33	389.65	-720.34	-2.60	-18195.61	9854.96
f-p2	SLU-116	Min P	-26192.78	393.44	-738.51	-2.71	-14434.48	9945.10
f-p2	SLU-116	Max M2	-25519.61	395.04	-744.84	-2.74	-13150.99	9983.64
f-p2	SLU-116	Min M2	-23788.09	388.06	-714.00	-2.57	-19478.98	9816.72
f-p2	SLU-116	Max M3	-24965.59	408.46	-735.11	-0.80	-16213.30	10334.23
f-p2	SLU-116	Min M3	-24985.29	377.67	-732.82	-4.46	-16298.75	9543.32
f-p2	SLU-117	Max P	-23527.59	337.47	748.89	2.18	18833.52	8658.30
f-p2	SLU-117	Min P	-26651.76	333.59	768.70	2.67	15144.57	8565.83
f-p2	SLU-117	Max M2	-24273.10	338.17	743.03	2.32	20119.36	8673.62
f-p2	SLU-117	Min M2	-25932.72	332.55	774.57	2.45	13814.69	8541.60
f-p2	SLU-117	Max M3	-25411.74	350.86	763.13	0.46	17008.94	9006.28
f-p2	SLU-117	Min M3	-25442.75	317.79	764.49	4.21	16842.25	8156.56
f-p2	SLU-118	Max P	-23553.15	332.42	750.71	2.47	18832.79	8528.43
f-p2	SLU-118	Min P	-26636.60	336.21	732.54	2.36	22593.91	8618.57
f-p2	SLU-118	Max M2	-25963.43	337.81	726.22	2.34	23877.41	8657.11
f-p2	SLU-118	Min M2	-24231.91	330.83	757.05	2.50	17549.41	8490.19
f-p2	SLU-118	Max M3	-25409.42	351.22	735.95	4.27	20815.10	9007.70
f-p2	SLU-118	Min M3	-25429.12	320.44	738.24	0.61	20729.64	8216.79
f-p2	SLU-119	Max P	-23528.33	393.03	-722.48	-2.94	-18157.99	9941.61
f-p2	SLU-119	Min P	-26652.50	389.14	-702.67	-2.46	-21846.94	9849.14
f-p2	SLU-119	Max M2	-24273.84	393.72	-728.35	-2.80	-16872.15	9956.93
f-p2	SLU-119	Min M2	-25933.47	388.10	-696.81	-2.67	-23176.82	9824.92
f-p2	SLU-119	Max M3	-25412.49	406.42	-708.25	-4.67	-19982.57	10289.60
f-p2	SLU-119	Min M3	-25443.49	373.34	-706.88	-0.91	-20149.26	9439.87
f-p2	SLU-120	Max P	-23553.89	387.97	-720.66	-2.66	-18158.73	9811.75
f-p2	SLU-120	Min P	-26637.34	391.76	-738.83	-2.77	-14397.60	9901.89
f-p2	SLU-120	Max M2	-25964.17	393.36	-745.16	-2.79	-13114.11	9940.43

f-p2	SLU-120	Min M2	-24232.65	386.38	-714.32	-2.62	-19442.10	9773.50
f-p2	SLU-120	Max M3	-25410.16	406.78	-735.43	-0.86	-16176.42	10291.01
f-p2	SLU-120	Min M3	-25429.86	375.99	-733.13	-4.51	-16261.87	9500.11
f-p2	SLU-121	Max P	-22938.50	339.06	749.07	2.17	18793.54	8699.30
f-p2	SLU-121	Min P	-26062.67	335.18	768.88	2.65	15104.59	8606.83
f-p2	SLU-121	Max M2	-23684.01	339.76	743.21	2.31	20079.38	8714.62
f-p2	SLU-121	Min M2	-25343.64	334.14	774.75	2.44	13774.71	8582.61
f-p2	SLU-121	Max M3	-24822.66	352.46	763.31	0.44	16968.96	9047.28
f-p2	SLU-121	Min M3	-24853.66	319.38	764.67	4.20	16802.27	8197.56
f-p2	SLU-122	Max P	-22964.06	334.01	750.89	2.45	18792.81	8569.43
f-p2	SLU-122	Min P	-26047.51	337.80	732.73	2.35	22553.93	8659.57
f-p2	SLU-122	Max M2	-25374.34	339.40	726.40	2.32	23837.43	8698.11
f-p2	SLU-122	Min M2	-23642.82	332.42	757.24	2.49	17509.43	8531.19
f-p2	SLU-122	Max M3	-24820.33	352.82	736.13	4.25	20775.12	9048.70
f-p2	SLU-122	Min M3	-24840.03	322.03	738.42	0.60	20689.66	8257.79
f-p2	SLU-123	Max P	-22939.25	394.62	-722.30	-2.96	-18197.97	9982.61
f-p2	SLU-123	Min P	-26063.41	390.73	-702.49	-2.48	-21886.92	9890.14
f-p2	SLU-123	Max M2	-23684.76	395.31	-728.17	-2.82	-16912.13	9997.93
f-p2	SLU-123	Min M2	-25344.38	389.69	-696.63	-2.69	-23216.80	9865.92
f-p2	SLU-123	Max M3	-24823.40	408.01	-708.07	-4.69	-20022.55	10330.60
f-p2	SLU-123	Min M3	-24854.40	374.93	-706.70	-0.93	-20189.24	9480.88
f-p2	SLU-124	Max P	-22964.81	389.56	-720.48	-2.68	-18198.71	9852.75
f-p2	SLU-124	Min P	-26048.25	393.36	-738.65	-2.78	-14437.58	9942.89
f-p2	SLU-124	Max M2	-25375.08	394.95	-744.98	-2.81	-13154.09	9981.43
f-p2	SLU-124	Min M2	-23643.57	387.97	-714.14	-2.64	-19482.08	9814.50
f-p2	SLU-124	Max M3	-24821.07	408.37	-735.25	-0.88	-16216.40	10332.02
f-p2	SLU-124	Min M3	-24840.77	377.59	-732.95	-4.53	-16301.85	9541.11
f-p2	SLU-125	Max P	-23383.07	337.39	748.75	2.11	18830.42	8656.08
f-p2	SLU-125	Min P	-26507.23	333.50	768.56	2.60	15141.47	8563.61
f-p2	SLU-125	Max M2	-24128.58	338.08	742.89	2.25	20116.26	8671.40
f-p2	SLU-125	Min M2	-25788.20	332.46	774.43	2.38	13811.59	8539.39
f-p2	SLU-125	Max M3	-25267.22	350.78	762.99	0.39	17005.84	9004.07
f-p2	SLU-125	Min M3	-25298.23	317.70	764.35	4.14	16839.15	8154.35
f-p2	SLU-126	Max P	-23408.63	332.33	750.58	2.40	18829.69	8526.22
f-p2	SLU-126	Min P	-26492.07	336.12	732.41	2.29	22590.81	8616.36
f-p2	SLU-126	Max M2	-25818.91	337.72	726.08	2.26	23874.31	8654.90
f-p2	SLU-126	Min M2	-24087.39	330.74	756.92	2.43	17546.31	8487.98
f-p2	SLU-126	Max M3	-25264.89	351.14	735.81	4.20	20811.99	9005.49
f-p2	SLU-126	Min M3	-25284.59	320.35	738.10	0.54	20726.54	8214.58
f-p2	SLU-127	Max P	-23383.81	392.94	-722.62	-3.02	-18161.09	9939.40
f-p2	SLU-127	Min P	-26507.97	389.06	-702.81	-2.53	-21850.04	9846.93
f-p2	SLU-127	Max M2	-24129.32	393.63	-728.48	-2.88	-16875.25	9954.72
f-p2	SLU-127	Min M2	-25788.94	388.01	-696.94	-2.75	-23179.92	9822.71
f-p2	SLU-127	Max M3	-25267.96	406.33	-708.38	-4.74	-19985.67	10287.39
f-p2	SLU-127	Min M3	-25298.97	373.25	-707.02	-0.99	-20152.37	9437.66
f-p2	SLU-128	Max P	-23409.37	387.88	-720.80	-2.73	-18161.83	9809.54
f-p2	SLU-128	Min P	-26492.81	391.68	-738.96	-2.84	-14400.70	9899.68
f-p2	SLU-128	Max M2	-25819.65	393.27	-745.29	-2.86	-13117.21	9938.22
f-p2	SLU-128	Min M2	-24088.13	386.30	-714.45	-2.70	-19445.20	9771.29
f-p2	SLU-128	Max M3	-25265.63	406.69	-735.56	-0.93	-16179.52	10288.80
f-p2	SLU-128	Min M3	-25285.33	375.91	-733.27	-4.59	-16264.97	9497.90

f-p2	SLU-129	Max P	-22720.11	-244.86	725.00	2.60	18201.07	-6168.58
f-p2	SLU-129	Min P	-28893.17	-251.18	765.69	3.44	11160.32	-6316.78
f-p2	SLU-129	Max M2	-24284.55	-242.86	711.59	2.95	20925.13	-6122.41
f-p2	SLU-129	Min M2	-27364.27	-253.65	779.09	2.99	8377.54	-6374.79
f-p2	SLU-129	Max M3	-26218.69	-218.47	750.59	-0.46	14754.35	-5483.01
f-p2	SLU-129	Min M3	-26294.77	-280.79	753.46	6.26	14437.84	-7084.06
f-p2	SLU-130	Max P	-22768.60	-252.58	728.60	3.17	18223.50	-6366.65
f-p2	SLU-130	Min P	-28856.57	-245.87	690.55	3.07	25360.75	-6208.55
f-p2	SLU-130	Max M2	-27442.51	-242.43	676.47	3.05	28087.70	-6125.43
f-p2	SLU-130	Min M2	-24190.64	-256.00	742.69	3.20	15496.71	-6449.27
f-p2	SLU-130	Max M3	-26243.84	-218.16	701.32	6.41	21977.98	-5489.91
f-p2	SLU-130	Min M3	-26246.37	-276.24	705.72	-0.10	21763.65	-6981.98
f-p2	SLU-131	Max P	-22720.85	-189.31	-746.37	-2.53	-18790.44	-4885.26
f-p2	SLU-131	Min P	-28893.91	-195.63	-705.68	-1.68	-25831.20	-5033.46
f-p2	SLU-131	Max M2	-24285.29	-187.31	-759.78	-2.17	-16066.39	-4839.09
f-p2	SLU-131	Min M2	-27365.01	-198.10	-692.28	-2.14	-28613.98	-5091.47
f-p2	SLU-131	Max M3	-26219.44	-162.91	-720.78	-5.59	-22237.17	-4199.69
f-p2	SLU-131	Min M3	-26295.52	-225.24	-717.91	1.13	-22553.68	-5800.74
f-p2	SLU-132	Max P	-22769.34	-197.02	-742.78	-1.96	-18768.01	-5083.34
f-p2	SLU-132	Min P	-28857.31	-190.32	-780.83	-2.05	-11630.77	-4925.23
f-p2	SLU-132	Max M2	-27443.25	-186.88	-794.91	-2.07	-8903.82	-4842.11
f-p2	SLU-132	Min M2	-24191.38	-200.45	-728.68	-1.93	-21494.81	-5165.95
f-p2	SLU-132	Max M3	-26244.58	-162.61	-770.05	1.28	-15013.54	-4206.59
f-p2	SLU-132	Min M3	-26247.11	-220.69	-765.65	-5.23	-15227.86	-5698.67
f-p2	SLU-133	Max P	-23164.67	-246.54	724.68	2.54	18237.95	-6211.79
f-p2	SLU-133	Min P	-29337.73	-252.86	765.37	3.39	11197.20	-6359.99
f-p2	SLU-133	Max M2	-24729.11	-244.54	711.28	2.90	20962.01	-6165.62
f-p2	SLU-133	Min M2	-27808.84	-255.33	778.78	2.93	8414.42	-6418.00
f-p2	SLU-133	Max M3	-26663.26	-220.15	750.27	-0.51	14791.23	-5526.22
f-p2	SLU-133	Min M3	-26739.34	-282.47	753.15	6.20	14474.72	-7127.27
f-p2	SLU-134	Max P	-23213.16	-254.25	728.28	3.11	18260.38	-6409.87
f-p2	SLU-134	Min P	-29301.13	-247.55	690.23	3.02	25397.63	-6251.76
f-p2	SLU-134	Max M2	-27887.07	-244.11	676.15	3.00	28124.58	-6168.64
f-p2	SLU-134	Min M2	-24635.20	-257.68	742.37	3.15	15533.59	-6492.48
f-p2	SLU-134	Max M3	-26688.40	-219.84	701.01	6.35	22014.85	-5533.12
f-p2	SLU-134	Min M3	-26690.94	-277.92	705.41	-0.16	21800.53	-7025.20
f-p2	SLU-135	Max P	-23165.41	-190.99	-746.69	-2.59	-18753.56	-4928.47
f-p2	SLU-135	Min P	-29338.47	-197.31	-706.00	-1.74	-25794.32	-5076.67
f-p2	SLU-135	Max M2	-24729.86	-188.98	-760.10	-2.23	-16029.51	-4882.30
f-p2	SLU-135	Min M2	-27809.58	-199.77	-692.60	-2.20	-28577.10	-5134.68
f-p2	SLU-135	Max M3	-26664.00	-164.59	-721.10	-5.64	-22200.29	-4242.90
f-p2	SLU-135	Min M3	-26740.08	-226.92	-718.23	1.08	-22516.80	-5843.95
f-p2	SLU-136	Max P	-23213.90	-198.70	-743.09	-2.01	-18731.13	-5126.55
f-p2	SLU-136	Min P	-29301.87	-192.00	-781.14	-2.11	-11593.89	-4968.45
f-p2	SLU-136	Max M2	-27887.81	-188.55	-795.22	-2.13	-8866.94	-4885.33
f-p2	SLU-136	Min M2	-24635.94	-202.13	-729.00	-1.98	-21457.93	-5209.16
f-p2	SLU-136	Max M3	-26689.14	-164.28	-770.37	1.23	-14976.66	-4249.80
f-p2	SLU-136	Min M3	-26691.68	-222.36	-765.97	-5.28	-15190.98	-5741.88
f-p2	SLU-137	Max P	-22633.39	-244.92	724.92	2.55	18199.21	-6169.90
f-p2	SLU-137	Min P	-28806.45	-251.23	765.61	3.40	11158.46	-6318.10
f-p2	SLU-137	Max M2	-24197.84	-242.91	711.51	2.91	20923.27	-6123.73

f-p2	SLU-137	Min M2	-27277.56	-253.70	779.01	2.94	8375.68	-6376.11
f-p2	SLU-137	Max M3	-26131.98	-218.52	750.51	-0.50	14752.49	-5484.34
f-p2	SLU-137	Min M3	-26208.06	-280.84	753.38	6.22	14435.98	-7085.38
f-p2	SLU-138	Max P	-22681.89	-252.63	728.51	3.13	18221.64	-6367.98
f-p2	SLU-138	Min P	-28769.85	-245.92	690.47	3.03	25358.89	-6209.88
f-p2	SLU-138	Max M2	-27355.79	-242.48	676.38	3.01	28085.84	-6126.76
f-p2	SLU-138	Min M2	-24103.92	-256.05	742.61	3.16	15494.85	-6450.60
f-p2	SLU-138	Max M3	-26157.12	-218.21	701.24	6.37	21976.11	-5491.23
f-p2	SLU-138	Min M3	-26159.66	-276.29	705.64	-0.15	21761.79	-6983.31
f-p2	SLU-139	Max P	-22634.13	-189.36	-746.46	-2.57	-18792.30	-4886.59
f-p2	SLU-139	Min P	-28807.19	-195.68	-705.77	-1.73	-25833.06	-5034.79
f-p2	SLU-139	Max M2	-24198.58	-187.36	-759.86	-2.22	-16068.25	-4840.42
f-p2	SLU-139	Min M2	-27278.30	-198.15	-692.36	-2.18	-28615.84	-5092.80
f-p2	SLU-139	Max M3	-26132.72	-162.97	-720.87	-5.63	-22239.03	-4201.02
f-p2	SLU-139	Min M3	-26208.80	-225.29	-717.99	1.09	-22555.54	-5802.07
f-p2	SLU-140	Max P	-22682.63	-197.07	-742.86	-2.00	-18769.87	-5084.66
f-p2	SLU-140	Min P	-28770.59	-190.37	-780.91	-2.10	-11632.63	-4926.56
f-p2	SLU-140	Max M2	-27356.53	-186.93	-794.99	-2.12	-8905.68	-4843.44
f-p2	SLU-140	Min M2	-24104.66	-200.50	-728.76	-1.97	-21496.67	-5167.28
f-p2	SLU-140	Max M3	-26157.86	-162.66	-770.13	1.24	-15015.40	-4207.92
f-p2	SLU-140	Min M3	-26160.40	-220.74	-765.73	-5.27	-15229.72	-5699.99
f-p2	SLU-141	Max P	-23077.96	-246.59	724.60	2.50	18236.09	-6213.12
f-p2	SLU-141	Min P	-29251.02	-252.91	765.29	3.35	11195.33	-6361.32
f-p2	SLU-141	Max M2	-24642.40	-244.59	711.20	2.86	20960.15	-6166.94
f-p2	SLU-141	Min M2	-27722.12	-255.38	778.70	2.89	8412.55	-6419.33
f-p2	SLU-141	Max M3	-26576.54	-220.20	750.19	-0.56	14789.36	-5527.55
f-p2	SLU-141	Min M3	-26652.62	-282.52	753.07	6.16	14472.86	-7128.59
f-p2	SLU-142	Max P	-23126.45	-254.31	728.20	3.07	18258.52	-6411.19
f-p2	SLU-142	Min P	-29214.42	-247.60	690.15	2.97	25395.77	-6253.09
f-p2	SLU-142	Max M2	-27800.36	-244.16	676.07	2.96	28122.72	-6169.97
f-p2	SLU-142	Min M2	-24548.49	-257.73	742.29	3.10	15531.73	-6493.81
f-p2	SLU-142	Max M3	-26601.69	-219.89	700.93	6.31	22012.99	-5534.45
f-p2	SLU-142	Min M3	-26604.22	-277.97	705.32	-0.20	21798.67	-7026.52
f-p2	SLU-143	Max P	-23078.70	-191.04	-746.77	-2.63	-18755.42	-4929.80
f-p2	SLU-143	Min P	-29251.76	-197.36	-706.08	-1.78	-25796.18	-5078.00
f-p2	SLU-143	Max M2	-24643.14	-189.04	-760.18	-2.27	-16031.37	-4883.63
f-p2	SLU-143	Min M2	-27722.86	-199.83	-692.68	-2.24	-28578.96	-5136.01
f-p2	SLU-143	Max M3	-26577.28	-164.64	-721.18	-5.69	-22202.15	-4244.23
f-p2	SLU-143	Min M3	-26653.36	-226.97	-718.31	1.03	-22518.66	-5845.28
f-p2	SLU-144	Max P	-23127.19	-198.75	-743.18	-2.06	-18732.99	-5127.87
f-p2	SLU-144	Min P	-29215.16	-192.05	-781.22	-2.15	-11595.75	-4969.77
f-p2	SLU-144	Max M2	-27801.10	-188.61	-795.31	-2.17	-8868.80	-4886.65
f-p2	SLU-144	Min M2	-24549.23	-202.18	-729.08	-2.03	-21459.79	-5210.49
f-p2	SLU-144	Max M3	-26602.43	-164.34	-770.45	1.18	-14978.52	-4251.13
f-p2	SLU-144	Min M3	-26604.96	-222.42	-766.05	-5.33	-15192.84	-5743.21
f-p2	SLU-145	Max P	-16553.82	-244.84	724.91	2.54	18194.80	-6167.93
f-p2	SLU-145	Min P	-22726.88	-251.15	765.60	3.39	11154.04	-6316.13
f-p2	SLU-145	Max M2	-18118.26	-242.83	711.51	2.90	20918.85	-6121.76
f-p2	SLU-145	Min M2	-21197.99	-253.62	779.01	2.93	8371.26	-6374.14
f-p2	SLU-145	Max M3	-20052.41	-218.44	750.50	-0.51	14748.07	-5482.36
f-p2	SLU-145	Min M3	-20128.49	-280.77	753.38	6.21	14431.56	-7083.41

f-p2	SLU-146	Max P	-16602.31	-252.55	728.51	3.12	18217.23	-6366.01
f-p2	SLU-146	Min P	-22690.28	-245.85	690.46	3.02	25354.47	-6207.90
f-p2	SLU-146	Max M2	-21276.22	-242.40	676.38	3.00	28081.42	-6124.78
f-p2	SLU-146	Min M2	-18024.35	-255.98	742.61	3.15	15490.43	-6448.62
f-p2	SLU-146	Max M3	-20077.55	-218.13	701.24	6.36	21971.70	-5489.26
f-p2	SLU-146	Min M3	-20080.09	-276.21	705.64	-0.15	21757.38	-6981.34
f-p2	SLU-147	Max P	-16554.56	-189.29	-746.46	-2.58	-18796.72	-4884.61
f-p2	SLU-147	Min P	-22727.62	-195.60	-705.77	-1.74	-25837.47	-5032.81
f-p2	SLU-147	Max M2	-18119.01	-187.28	-759.86	-2.23	-16072.66	-4838.44
f-p2	SLU-147	Min M2	-21198.73	-198.07	-692.36	-2.19	-28620.25	-5090.82
f-p2	SLU-147	Max M3	-20053.15	-162.89	-720.87	-5.64	-22243.44	-4199.05
f-p2	SLU-147	Min M3	-20129.23	-225.21	-717.99	1.08	-22559.95	-5800.09
f-p2	SLU-148	Max P	-16603.05	-197.00	-742.86	-2.01	-18774.29	-5082.69
f-p2	SLU-148	Min P	-22691.02	-190.30	-780.91	-2.11	-11637.04	-4924.59
f-p2	SLU-148	Max M2	-21276.96	-186.85	-794.99	-2.13	-8910.09	-4841.47
f-p2	SLU-148	Min M2	-18025.09	-200.42	-728.77	-1.98	-21501.08	-5165.30
f-p2	SLU-148	Max M3	-20078.29	-162.58	-770.13	1.23	-15019.81	-4205.94
f-p2	SLU-148	Min M3	-20080.83	-220.66	-765.73	-5.28	-15234.14	-5698.02
f-p2	SLU-149	Max P	-16998.38	-246.52	724.60	2.49	18231.68	-6211.14
f-p2	SLU-149	Min P	-23171.44	-252.83	765.29	3.34	11190.92	-6359.34
f-p2	SLU-149	Max M2	-18562.83	-244.51	711.19	2.85	20955.73	-6164.97
f-p2	SLU-149	Min M2	-21642.55	-255.30	778.69	2.88	8408.14	-6417.35
f-p2	SLU-149	Max M3	-20496.97	-220.12	750.19	-0.57	14784.95	-5525.57
f-p2	SLU-149	Min M3	-20573.05	-282.44	753.06	6.15	14468.44	-7126.62
f-p2	SLU-150	Max P	-17046.88	-254.23	728.19	3.06	18254.10	-6409.22
f-p2	SLU-150	Min P	-23134.84	-247.53	690.15	2.96	25391.35	-6251.12
f-p2	SLU-150	Max M2	-21720.78	-244.08	676.06	2.95	28118.30	-6168.00
f-p2	SLU-150	Min M2	-18468.92	-257.65	742.29	3.09	15527.31	-6491.83
f-p2	SLU-150	Max M3	-20522.11	-219.81	700.92	6.30	22008.58	-5532.47
f-p2	SLU-150	Min M3	-20524.65	-277.89	705.32	-0.21	21794.26	-7024.55
f-p2	SLU-151	Max P	-16999.13	-190.96	-746.78	-2.64	-18759.84	-4927.83
f-p2	SLU-151	Min P	-23172.18	-197.28	-706.09	-1.79	-25800.59	-5076.03
f-p2	SLU-151	Max M2	-18563.57	-188.96	-760.18	-2.28	-16035.78	-4881.65
f-p2	SLU-151	Min M2	-21643.29	-199.75	-692.68	-2.25	-28583.38	-5134.04
f-p2	SLU-151	Max M3	-20497.71	-164.57	-721.19	-5.69	-22206.56	-4242.26
f-p2	SLU-151	Min M3	-20573.79	-226.89	-718.31	1.02	-22523.07	-5843.30
f-p2	SLU-152	Max P	-17047.62	-198.68	-743.18	-2.07	-18737.41	-5125.90
f-p2	SLU-152	Min P	-23135.59	-191.97	-781.23	-2.16	-11600.16	-4967.80
f-p2	SLU-152	Max M2	-21721.53	-188.53	-795.31	-2.18	-8873.21	-4884.68
f-p2	SLU-152	Min M2	-18469.66	-202.10	-729.08	-2.04	-21464.20	-5208.52
f-p2	SLU-152	Max M3	-20522.85	-164.26	-770.45	1.17	-14982.94	-4249.15
f-p2	SLU-152	Min M3	-20525.39	-222.34	-766.05	-5.34	-15197.26	-5741.23
f-p2	SLU-153	Max P	-16467.11	-244.89	724.83	2.50	18192.94	-6169.26
f-p2	SLU-153	Min P	-22640.17	-251.21	765.52	3.35	11152.18	-6317.46
f-p2	SLU-153	Max M2	-18031.55	-242.89	711.43	2.86	20916.99	-6123.09
f-p2	SLU-153	Min M2	-21111.27	-253.68	778.93	2.89	8369.40	-6375.47
f-p2	SLU-153	Max M3	-19965.69	-218.49	750.42	-0.56	14746.21	-5483.69
f-p2	SLU-153	Min M3	-20041.77	-280.82	753.30	6.16	14429.70	-7084.74
f-p2	SLU-154	Max P	-16515.60	-252.60	728.43	3.07	18215.36	-6367.33
f-p2	SLU-154	Min P	-22603.57	-245.90	690.38	2.98	25352.61	-6209.23
f-p2	SLU-154	Max M2	-21189.51	-242.46	676.30	2.96	28079.56	-6126.11

f-p2	SLU-154	Min M2	-17937.64	-256.03	742.52	3.10	15488.57	-6449.95
f-p2	SLU-154	Max M3	-19990.84	-218.19	701.16	6.31	21969.84	-5490.59
f-p2	SLU-154	Min M3	-19993.37	-276.27	705.56	-0.20	21755.52	-6982.66
f-p2	SLU-155	Max P	-16467.85	-189.34	-746.54	-2.63	-18798.58	-4885.94
f-p2	SLU-155	Min P	-22640.91	-195.65	-705.85	-1.78	-25839.33	-5034.14
f-p2	SLU-155	Max M2	-18032.29	-187.33	-759.94	-2.27	-16074.52	-4839.77
f-p2	SLU-155	Min M2	-21112.01	-198.12	-692.45	-2.24	-28622.11	-5092.15
f-p2	SLU-155	Max M3	-19966.43	-162.94	-720.95	-5.68	-22245.30	-4200.37
f-p2	SLU-155	Min M3	-20042.51	-225.26	-718.08	1.04	-22561.81	-5801.42
f-p2	SLU-156	Max P	-16516.34	-197.05	-742.94	-2.05	-18776.15	-5084.02
f-p2	SLU-156	Min P	-22604.31	-190.35	-780.99	-2.15	-11638.90	-4925.91
f-p2	SLU-156	Max M2	-21190.25	-186.90	-795.07	-2.17	-8911.95	-4842.79
f-p2	SLU-156	Min M2	-17938.38	-200.47	-728.85	-2.02	-21502.94	-5166.63
f-p2	SLU-156	Max M3	-19991.58	-162.63	-770.22	1.19	-15021.68	-4207.27
f-p2	SLU-156	Min M3	-19994.11	-220.71	-765.82	-5.33	-15236.00	-5699.35
f-p2	SLU-157	Max P	-16911.67	-246.57	724.51	2.44	18229.82	-6212.47
f-p2	SLU-157	Min P	-23084.73	-252.88	765.21	3.29	11189.06	-6360.67
f-p2	SLU-157	Max M2	-18476.11	-244.56	711.11	2.80	20953.87	-6166.30
f-p2	SLU-157	Min M2	-21555.83	-255.35	778.61	2.84	8406.28	-6418.68
f-p2	SLU-157	Max M3	-20410.26	-220.17	750.10	-0.61	14783.09	-5526.90
f-p2	SLU-157	Min M3	-20486.34	-282.50	752.98	6.11	14466.58	-7127.95
f-p2	SLU-158	Max P	-16960.16	-254.28	728.11	3.02	18252.24	-6410.54
f-p2	SLU-158	Min P	-23048.13	-247.58	690.06	2.92	25389.49	-6252.44
f-p2	SLU-158	Max M2	-21634.07	-244.13	675.98	2.90	28116.44	-6169.32
f-p2	SLU-158	Min M2	-18382.20	-257.71	742.21	3.05	15525.45	-6493.16
f-p2	SLU-158	Max M3	-20435.40	-219.86	700.84	6.26	22006.72	-5533.80
f-p2	SLU-158	Min M3	-20437.94	-277.94	705.24	-0.25	21792.40	-7025.88
f-p2	SLU-159	Max P	-16912.41	-191.02	-746.86	-2.68	-18761.70	-4929.15
f-p2	SLU-159	Min P	-23085.47	-197.33	-706.17	-1.83	-25802.46	-5077.35
f-p2	SLU-159	Max M2	-18476.85	-189.01	-760.26	-2.33	-16037.64	-4882.98
f-p2	SLU-159	Min M2	-21556.58	-199.80	-692.76	-2.29	-28585.24	-5135.36
f-p2	SLU-159	Max M3	-20411.00	-164.62	-721.27	-5.74	-22208.43	-4243.58
f-p2	SLU-159	Min M3	-20487.08	-226.94	-718.39	0.98	-22524.93	-5844.63
f-p2	SLU-160	Max P	-16960.90	-198.73	-743.26	-2.11	-18739.27	-5127.23
f-p2	SLU-160	Min P	-23048.87	-192.03	-781.31	-2.21	-11602.02	-4969.13
f-p2	SLU-160	Max M2	-21634.81	-188.58	-795.39	-2.23	-8875.07	-4886.01
f-p2	SLU-160	Min M2	-18382.94	-202.15	-729.17	-2.08	-21466.06	-5209.84
f-p2	SLU-160	Max M3	-20436.14	-164.31	-770.53	1.13	-14984.80	-4250.48
f-p2	SLU-160	Min M3	-20438.68	-222.39	-766.13	-5.38	-15199.12	-5742.56
f-p2	SLU-161	Max P	-23049.36	19.49	736.51	7.93	18514.33	625.30
f-p2	SLU-161	Min P	-26173.52	15.61	756.32	8.42	14825.38	532.83
f-p2	SLU-161	Max M2	-23794.87	20.19	730.65	8.07	19800.17	640.62
f-p2	SLU-161	Min M2	-25454.49	14.57	762.19	8.20	13495.50	508.61
f-p2	SLU-161	Max M3	-24933.51	32.88	750.75	6.21	16689.75	973.29
f-p2	SLU-161	Min M3	-24964.52	-0.20	752.11	9.96	16523.06	123.56
f-p2	SLU-162	Max P	-23074.92	14.44	738.34	8.22	18513.60	495.44
f-p2	SLU-162	Min P	-26158.36	18.23	720.17	8.11	22274.72	585.58
f-p2	SLU-162	Max M2	-25485.20	19.83	713.84	8.09	23558.22	624.11
f-p2	SLU-162	Min M2	-23753.68	12.85	744.68	8.25	17230.22	457.19
f-p2	SLU-162	Max M3	-24931.18	33.24	723.57	10.02	20495.91	974.70
f-p2	SLU-162	Min M3	-24950.88	2.46	725.86	6.36	20410.45	183.80

f-p2	SLU-163	Max P	-23050.10	75.04	-734.86	2.80	-18477.18	1908.62
f-p2	SLU-163	Min P	-26174.26	71.16	-715.05	3.29	-22166.13	1816.15
f-p2	SLU-163	Max M2	-23795.61	75.74	-740.72	2.94	-17191.34	1923.94
f-p2	SLU-163	Min M2	-25455.23	70.12	-709.18	3.07	-23496.01	1791.93
f-p2	SLU-163	Max M3	-24934.25	88.44	-720.62	1.08	-20301.76	2256.60
f-p2	SLU-163	Min M3	-24965.26	55.36	-719.26	4.83	-20468.45	1406.88
f-p2	SLU-164	Max P	-23075.66	69.99	-733.04	3.09	-18477.92	1778.75
f-p2	SLU-164	Min P	-26159.10	73.78	-751.21	2.98	-14716.79	1868.89
f-p2	SLU-164	Max M2	-25485.94	75.38	-757.54	2.96	-13433.30	1907.43
f-p2	SLU-164	Min M2	-23754.42	68.40	-726.70	3.12	-19761.29	1740.51
f-p2	SLU-164	Max M3	-24931.92	88.80	-747.80	4.89	-16495.61	2258.02
f-p2	SLU-164	Min M3	-24951.62	58.01	-745.51	1.23	-16581.06	1467.11
f-p2	SLU-165	Max P	-23493.92	17.81	736.20	7.88	18551.21	582.09
f-p2	SLU-165	Min P	-26618.09	13.93	756.01	8.36	14862.26	489.62
f-p2	SLU-165	Max M2	-24239.43	18.51	730.33	8.02	19837.05	597.41
f-p2	SLU-165	Min M2	-25899.05	12.89	761.87	8.15	13532.38	465.40
f-p2	SLU-165	Max M3	-25378.07	31.20	750.43	6.15	16726.63	930.07
f-p2	SLU-165	Min M3	-25409.08	-1.87	751.79	9.91	16559.94	80.35
f-p2	SLU-166	Max P	-23519.48	12.76	738.02	8.16	18550.48	452.22
f-p2	SLU-166	Min P	-26602.93	16.55	719.85	8.06	22311.60	542.37
f-p2	SLU-166	Max M2	-25929.76	18.15	713.52	8.03	23595.10	580.90
f-p2	SLU-166	Min M2	-24198.24	11.17	744.36	8.20	17267.10	413.98
f-p2	SLU-166	Max M3	-25375.74	31.57	723.25	9.96	20532.78	931.49
f-p2	SLU-166	Min M3	-25395.44	0.78	725.55	6.31	20447.33	140.58
f-p2	SLU-167	Max P	-23494.66	73.37	-735.18	2.75	-18440.30	1865.40
f-p2	SLU-167	Min P	-26618.83	69.48	-715.37	3.23	-22129.25	1772.93
f-p2	SLU-167	Max M2	-24240.17	74.06	-741.04	2.89	-17154.46	1880.72
f-p2	SLU-167	Min M2	-25899.79	68.44	-709.50	3.02	-23459.13	1748.71
f-p2	SLU-167	Max M3	-25378.81	86.76	-720.94	1.02	-20264.88	2213.39
f-p2	SLU-167	Min M3	-25409.82	53.68	-719.58	4.78	-20431.58	1363.67
f-p2	SLU-168	Max P	-23520.22	68.31	-733.35	3.03	-18441.04	1735.54
f-p2	SLU-168	Min P	-26603.67	72.10	-751.52	2.93	-14679.91	1825.68
f-p2	SLU-168	Max M2	-25930.50	73.70	-757.85	2.90	-13396.42	1864.22
f-p2	SLU-168	Min M2	-24198.98	66.72	-727.01	3.07	-19724.41	1697.30
f-p2	SLU-168	Max M3	-25376.48	87.12	-748.12	4.83	-16458.73	2214.81
f-p2	SLU-168	Min M3	-25396.18	56.33	-745.83	1.18	-16544.18	1423.90
f-p2	SLU-169	Max P	-22962.64	19.44	736.43	7.89	18512.47	623.97
f-p2	SLU-169	Min P	-26086.81	15.56	756.24	8.37	14823.52	531.50
f-p2	SLU-169	Max M2	-23708.15	20.13	730.57	8.03	19798.31	639.29
f-p2	SLU-169	Min M2	-25367.77	14.51	762.11	8.16	13493.64	507.28
f-p2	SLU-169	Max M3	-24846.79	32.83	750.67	6.16	16687.89	971.96
f-p2	SLU-169	Min M3	-24877.80	-0.25	752.03	9.92	16521.20	122.23
f-p2	SLU-170	Max P	-22988.20	14.38	738.25	8.17	18511.74	494.11
f-p2	SLU-170	Min P	-26071.65	18.18	720.09	8.07	22272.86	584.25
f-p2	SLU-170	Max M2	-25398.48	19.78	713.76	8.04	23556.36	622.79
f-p2	SLU-170	Min M2	-23666.96	12.80	744.60	8.21	17228.36	455.86
f-p2	SLU-170	Max M3	-24844.47	33.19	723.49	9.97	20494.04	973.38
f-p2	SLU-170	Min M3	-24864.17	2.41	725.78	6.32	20408.59	182.47
f-p2	SLU-171	Max P	-22963.38	74.99	-734.94	2.76	-18479.04	1907.29
f-p2	SLU-171	Min P	-26087.55	71.11	-715.13	3.25	-22167.99	1814.82
f-p2	SLU-171	Max M2	-23708.89	75.69	-740.81	2.90	-17193.20	1922.61

f-p2	SLU-171	Min M2	-25368.51	70.07	-709.27	3.03	-23497.87	1790.60
f-p2	SLU-171	Max M3	-24847.53	88.38	-720.71	1.04	-20303.62	2255.28
f-p2	SLU-171	Min M3	-24878.54	55.31	-719.34	4.79	-20470.32	1405.55
f-p2	SLU-172	Max P	-22988.94	69.94	-733.12	3.05	-18479.78	1777.43
f-p2	SLU-172	Min P	-26072.39	73.73	-751.29	2.94	-14718.65	1867.57
f-p2	SLU-172	Max M2	-25399.22	75.33	-757.62	2.91	-13435.16	1906.10
f-p2	SLU-172	Min M2	-23667.70	68.35	-726.78	3.08	-19763.15	1739.18
f-p2	SLU-172	Max M3	-24845.21	88.75	-747.89	4.84	-16497.47	2256.69
f-p2	SLU-172	Min M3	-24864.91	57.96	-745.59	1.19	-16582.92	1465.79
f-p2	SLU-173	Max P	-23407.21	17.76	736.11	7.83	18549.35	580.76
f-p2	SLU-173	Min P	-26531.37	13.88	755.92	8.32	14860.40	488.29
f-p2	SLU-173	Max M2	-24152.72	18.46	730.25	7.97	19835.19	596.08
f-p2	SLU-173	Min M2	-25812.34	12.84	761.79	8.10	13530.52	464.07
f-p2	SLU-173	Max M3	-25291.36	31.15	750.35	6.11	16724.77	928.75
f-p2	SLU-173	Min M3	-25322.36	-1.93	751.71	9.86	16558.08	79.02
f-p2	SLU-174	Max P	-23432.77	12.71	737.94	8.12	18548.62	450.90
f-p2	SLU-174	Min P	-26516.21	16.50	719.77	8.01	22309.74	541.04
f-p2	SLU-174	Max M2	-25843.04	18.10	713.44	7.99	23593.23	579.58
f-p2	SLU-174	Min M2	-24111.53	11.12	744.28	8.15	17265.24	412.65
f-p2	SLU-174	Max M3	-25289.03	31.51	723.17	9.92	20530.92	930.16
f-p2	SLU-174	Min M3	-25308.73	0.73	725.46	6.26	20445.47	139.26
f-p2	SLU-175	Max P	-23407.95	73.31	-735.26	2.71	-18442.16	1864.08
f-p2	SLU-175	Min P	-26532.11	69.43	-715.45	3.19	-22131.11	1771.61
f-p2	SLU-175	Max M2	-24153.46	74.01	-741.12	2.85	-17156.33	1879.40
f-p2	SLU-175	Min M2	-25813.08	68.39	-709.58	2.98	-23461.00	1747.39
f-p2	SLU-175	Max M3	-25292.10	86.71	-721.02	0.98	-20266.74	2212.06
f-p2	SLU-175	Min M3	-25323.11	53.63	-719.66	4.74	-20433.44	1362.34
f-p2	SLU-176	Max P	-23433.51	68.26	-733.44	2.99	-18442.90	1734.21
f-p2	SLU-176	Min P	-26516.95	72.05	-751.60	2.88	-14681.77	1824.36
f-p2	SLU-176	Max M2	-25843.78	73.65	-757.93	2.86	-13398.28	1862.89
f-p2	SLU-176	Min M2	-24112.27	66.67	-727.09	3.03	-19726.27	1695.97
f-p2	SLU-176	Max M3	-25289.77	87.07	-748.20	4.79	-16460.59	2213.48
f-p2	SLU-176	Min M3	-25309.47	56.28	-745.91	1.14	-16546.05	1422.58
f-p2	SLU-177	Max P	-23059.09	-511.55	715.79	-2.36	17921.95	-13022.38
f-p2	SLU-177	Min P	-26183.25	-515.44	735.60	-1.88	14233.00	-13114.85
f-p2	SLU-177	Max M2	-23804.60	-510.86	709.92	-2.22	19207.79	-13007.06
f-p2	SLU-177	Min M2	-25464.22	-516.48	741.46	-2.09	12903.12	-13139.07
f-p2	SLU-177	Max M3	-24943.24	-498.16	730.02	-4.09	16097.37	-12674.40
f-p2	SLU-177	Min M3	-24974.24	-531.24	731.38	-0.33	15930.68	-13524.12
f-p2	SLU-178	Max P	-23084.65	-516.61	717.61	-2.08	17921.22	-13152.25
f-p2	SLU-178	Min P	-26168.09	-512.81	699.44	-2.18	21682.34	-13062.10
f-p2	SLU-178	Max M2	-25494.92	-511.22	693.11	-2.21	22965.84	-13023.57
f-p2	SLU-178	Min M2	-23763.41	-518.19	723.95	-2.04	16637.84	-13190.49
f-p2	SLU-178	Max M3	-24940.91	-497.80	702.84	-0.28	19903.53	-12672.98
f-p2	SLU-178	Min M3	-24960.61	-528.58	705.13	-3.93	19818.07	-13463.88
f-p2	SLU-179	Max P	-23059.83	-456.00	-755.59	-7.49	-19069.56	-11739.06
f-p2	SLU-179	Min P	-26183.99	-459.88	-735.78	-7.01	-22758.51	-11831.53
f-p2	SLU-179	Max M2	-23805.34	-455.31	-761.45	-7.35	-17783.72	-11723.74
f-p2	SLU-179	Min M2	-25464.96	-460.92	-729.91	-7.22	-24088.39	-11855.76
f-p2	SLU-179	Max M3	-24943.98	-442.61	-741.35	-9.22	-20894.14	-11391.08
f-p2	SLU-179	Min M3	-24974.99	-475.68	-739.99	-5.46	-21060.83	-12240.80

f-p2	SLU-180	Max P	-23085.39	-461.05	-753.76	-7.20	-19070.30	-11868.93
f-p2	SLU-180	Min P	-26168.83	-457.26	-771.93	-7.31	-15309.17	-11778.79
f-p2	SLU-180	Max M2	-25495.66	-455.66	-778.26	-7.34	-14025.68	-11740.25
f-p2	SLU-180	Min M2	-23764.15	-462.64	-747.42	-7.17	-20353.67	-11907.17
f-p2	SLU-180	Max M3	-24941.65	-442.25	-768.53	-5.41	-17087.99	-11389.66
f-p2	SLU-180	Min M3	-24961.35	-473.03	-766.24	-9.06	-17173.44	-12180.57
f-p2	SLU-181	Max P	-23503.65	-513.23	715.47	-2.42	17958.83	-13065.59
f-p2	SLU-181	Min P	-26627.81	-517.11	735.28	-1.93	14269.88	-13158.06
f-p2	SLU-181	Max M2	-24249.16	-512.54	709.60	-2.28	19244.67	-13050.27
f-p2	SLU-181	Min M2	-25908.78	-518.16	741.14	-2.15	12940.00	-13182.29
f-p2	SLU-181	Max M3	-25387.80	-499.84	729.70	-4.14	16134.25	-12717.61
f-p2	SLU-181	Min M3	-25418.81	-532.92	731.07	-0.39	15967.56	-13567.33
f-p2	SLU-182	Max P	-23529.21	-518.29	717.29	-2.13	17958.10	-13195.46
f-p2	SLU-182	Min P	-26612.65	-514.49	699.12	-2.24	21719.22	-13105.32
f-p2	SLU-182	Max M2	-25939.49	-512.89	692.79	-2.26	23002.72	-13066.78
f-p2	SLU-182	Min M2	-24207.97	-519.87	723.63	-2.10	16674.72	-13233.70
f-p2	SLU-182	Max M3	-25385.47	-499.48	702.52	-0.33	19940.40	-12716.19
f-p2	SLU-182	Min M3	-25405.17	-530.26	704.82	-3.99	19854.95	-13507.10
f-p2	SLU-183	Max P	-23504.39	-457.68	-755.90	-7.55	-19032.68	-11782.28
f-p2	SLU-183	Min P	-26628.56	-461.56	-736.09	-7.06	-22721.63	-11874.75
f-p2	SLU-183	Max M2	-24249.90	-456.98	-761.77	-7.41	-17746.84	-11766.96
f-p2	SLU-183	Min M2	-25909.52	-462.60	-730.23	-7.28	-24051.51	-11898.97
f-p2	SLU-183	Max M3	-25388.54	-444.29	-741.67	-9.27	-20857.26	-11434.29
f-p2	SLU-183	Min M3	-25419.55	-477.36	-740.31	-5.52	-21023.96	-12284.02
f-p2	SLU-184	Max P	-23529.95	-462.73	-754.08	-7.26	-19033.42	-11912.14
f-p2	SLU-184	Min P	-26613.39	-458.94	-772.25	-7.37	-15272.29	-11822.00
f-p2	SLU-184	Max M2	-25940.23	-457.34	-778.58	-7.39	-13988.80	-11783.46
f-p2	SLU-184	Min M2	-24208.71	-464.32	-747.74	-7.23	-20316.79	-11950.39
f-p2	SLU-184	Max M3	-25386.21	-443.92	-768.85	-5.46	-17051.11	-11432.88
f-p2	SLU-184	Min M3	-25405.91	-474.71	-766.56	-9.12	-17136.56	-12223.78
f-p2	SLU-185	Max P	-22972.37	-511.60	715.70	-2.41	17920.09	-13023.71
f-p2	SLU-185	Min P	-26096.54	-515.49	735.51	-1.92	14231.14	-13116.18
f-p2	SLU-185	Max M2	-23717.88	-510.91	709.84	-2.27	19205.93	-13008.39
f-p2	SLU-185	Min M2	-25377.50	-516.53	741.38	-2.14	12901.26	-13140.40
f-p2	SLU-185	Max M3	-24856.52	-498.21	729.94	-4.13	16095.51	-12675.72
f-p2	SLU-185	Min M3	-24887.53	-531.29	731.30	-0.38	15928.82	-13525.45
f-p2	SLU-186	Max P	-22997.93	-516.66	717.53	-2.12	17919.36	-13153.57
f-p2	SLU-186	Min P	-26081.38	-512.87	699.36	-2.23	21680.48	-13063.43
f-p2	SLU-186	Max M2	-25408.21	-511.27	693.03	-2.25	22963.98	-13024.89
f-p2	SLU-186	Min M2	-23676.69	-518.25	723.87	-2.09	16635.98	-13191.82
f-p2	SLU-186	Max M3	-24854.19	-497.85	702.76	-0.32	19901.66	-12674.31
f-p2	SLU-186	Min M3	-24873.89	-528.64	705.05	-3.98	19816.21	-13465.21
f-p2	SLU-187	Max P	-22973.11	-456.05	-755.67	-7.53	-19071.42	-11740.39
f-p2	SLU-187	Min P	-26097.28	-459.93	-735.86	-7.05	-22760.37	-11832.86
f-p2	SLU-187	Max M2	-23718.62	-455.36	-761.53	-7.39	-17785.58	-11725.07
f-p2	SLU-187	Min M2	-25378.24	-460.98	-729.99	-7.26	-24090.25	-11857.08
f-p2	SLU-187	Max M3	-24857.26	-442.66	-741.43	-9.26	-20896.00	-11392.40
f-p2	SLU-187	Min M3	-24888.27	-475.74	-740.07	-5.50	-21062.70	-12242.13
f-p2	SLU-188	Max P	-22998.67	-461.11	-753.85	-7.25	-19072.16	-11870.26
f-p2	SLU-188	Min P	-26082.12	-457.31	-772.01	-7.35	-15311.03	-11780.11
f-p2	SLU-188	Max M2	-25408.95	-455.71	-778.34	-7.38	-14027.54	-11741.58

f-p2	SLU-188	Min M2	-23677.43	-462.69	-747.50	-7.21	-20355.53	-11908.50
f-p2	SLU-188	Max M3	-24854.93	-442.30	-768.61	-5.45	-17089.85	-11390.99
f-p2	SLU-188	Min M3	-24874.63	-473.08	-766.32	-9.10	-17175.30	-12181.89
f-p2	SLU-189	Max P	-23416.93	-513.28	715.39	-2.46	17956.97	-13066.92
f-p2	SLU-189	Min P	-26541.10	-517.17	735.20	-1.98	14268.02	-13159.39
f-p2	SLU-189	Max M2	-24162.44	-512.59	709.52	-2.32	19242.81	-13051.60
f-p2	SLU-189	Min M2	-25822.07	-518.21	741.06	-2.19	12938.14	-13183.61
f-p2	SLU-189	Max M3	-25301.09	-499.89	729.62	-4.19	16132.39	-12718.93
f-p2	SLU-189	Min M3	-25332.09	-532.97	730.98	-0.43	15965.70	-13568.66
f-p2	SLU-190	Max P	-23442.49	-518.34	717.21	-2.18	17956.24	-13196.79
f-p2	SLU-190	Min P	-26525.94	-514.54	699.04	-2.28	21717.36	-13106.64
f-p2	SLU-190	Max M2	-25852.77	-512.95	692.71	-2.31	23000.85	-13068.11
f-p2	SLU-190	Min M2	-24121.25	-519.92	723.55	-2.14	16672.86	-13235.03
f-p2	SLU-190	Max M3	-25298.76	-499.53	702.44	-0.38	19938.54	-12717.52
f-p2	SLU-190	Min M3	-25318.46	-530.31	704.74	-4.03	19853.09	-13508.42
f-p2	SLU-191	Max P	-23417.68	-457.73	-755.99	-7.59	-19034.54	-11783.60
f-p2	SLU-191	Min P	-26541.84	-461.61	-736.18	-7.10	-22723.49	-11876.07
f-p2	SLU-191	Max M2	-24163.19	-457.04	-761.85	-7.45	-17748.71	-11768.28
f-p2	SLU-191	Min M2	-25822.81	-462.65	-730.31	-7.32	-24053.38	-11900.30
f-p2	SLU-191	Max M3	-25301.83	-444.34	-741.75	-9.31	-20859.12	-11435.62
f-p2	SLU-191	Min M3	-25332.83	-477.41	-740.39	-5.56	-21025.82	-12285.34
f-p2	SLU-192	Max P	-23443.23	-462.78	-754.16	-7.30	-19035.28	-11913.47
f-p2	SLU-192	Min P	-26526.68	-458.99	-772.33	-7.41	-15274.15	-11823.33
f-p2	SLU-192	Max M2	-25853.51	-457.39	-778.66	-7.44	-13990.66	-11784.79
f-p2	SLU-192	Min M2	-24122.00	-464.37	-747.82	-7.27	-20318.65	-11951.71
f-p2	SLU-192	Max M3	-25299.50	-443.98	-768.93	-5.50	-17052.97	-11434.20
f-p2	SLU-192	Min M3	-25319.20	-474.76	-766.64	-9.16	-17138.43	-12225.11
f-p2	SLU-193	Max P	-23053.99	-249.49	765.20	-9.87	19343.06	-6287.66
f-p2	SLU-193	Min P	-26178.15	-253.37	785.01	-9.38	15654.11	-6380.12
f-p2	SLU-193	Max M2	-23799.50	-248.80	759.34	-9.73	20628.90	-6272.33
f-p2	SLU-193	Min M2	-25459.12	-254.42	790.88	-9.60	14324.23	-6404.35
f-p2	SLU-193	Max M3	-24938.14	-236.10	779.44	-11.59	17518.48	-5939.67
f-p2	SLU-193	Min M3	-24969.15	-269.18	780.80	-7.84	17351.79	-6789.39
f-p2	SLU-194	Max P	-23079.55	-254.55	767.02	-9.58	19342.33	-6417.52
f-p2	SLU-194	Min P	-26162.99	-250.75	748.85	-9.69	23103.45	-6327.38
f-p2	SLU-194	Max M2	-25489.83	-249.15	742.52	-9.71	24386.95	-6288.84
f-p2	SLU-194	Min M2	-23758.31	-256.13	773.36	-9.55	18058.95	-6455.76
f-p2	SLU-194	Max M3	-24935.81	-235.74	752.26	-7.78	21324.63	-5938.25
f-p2	SLU-194	Min M3	-24955.51	-266.52	754.55	-11.44	21239.18	-6729.16
f-p2	SLU-195	Max P	-23054.73	-193.94	-706.17	-14.99	-17648.45	-5004.34
f-p2	SLU-195	Min P	-26178.89	-197.82	-686.36	-14.51	-21337.40	-5096.81
f-p2	SLU-195	Max M2	-23800.24	-193.24	-712.04	-14.85	-16362.61	-4989.02
f-p2	SLU-195	Min M2	-25459.86	-198.86	-680.50	-14.72	-22667.28	-5121.03
f-p2	SLU-195	Max M3	-24938.88	-180.55	-691.94	-16.72	-19473.03	-4656.35
f-p2	SLU-195	Min M3	-24969.89	-213.62	-690.57	-12.96	-19639.72	-5506.08
f-p2	SLU-196	Max P	-23080.29	-198.99	-704.35	-14.71	-17649.19	-5134.20
f-p2	SLU-196	Min P	-26163.73	-195.20	-722.52	-14.81	-13888.06	-5044.06
f-p2	SLU-196	Max M2	-25490.57	-193.60	-728.85	-14.84	-12604.57	-5005.52
f-p2	SLU-196	Min M2	-23759.05	-200.58	-698.01	-14.67	-18932.56	-5172.45
f-p2	SLU-196	Max M3	-24936.55	-180.18	-719.12	-12.91	-15666.88	-4654.94
f-p2	SLU-196	Min M3	-24956.25	-210.97	-716.82	-16.56	-15752.33	-5445.84

f-p2	SLU-197	Max P	-23498.55	-251.17	764.88	-9.92	19379.94	-6330.87
f-p2	SLU-197	Min P	-26622.72	-255.05	784.69	-9.44	15690.99	-6423.34
f-p2	SLU-197	Max M2	-24244.06	-250.47	759.02	-9.78	20665.78	-6315.55
f-p2	SLU-197	Min M2	-25903.68	-256.09	790.56	-9.65	14361.11	-6447.56
f-p2	SLU-197	Max M3	-25382.70	-237.78	779.12	-11.65	17555.36	-5982.88
f-p2	SLU-197	Min M3	-25413.71	-270.85	780.48	-7.89	17388.67	-6832.61
f-p2	SLU-198	Max P	-23524.11	-256.22	766.71	-9.64	19379.21	-6460.73
f-p2	SLU-198	Min P	-26607.56	-252.43	748.54	-9.74	23140.33	-6370.59
f-p2	SLU-198	Max M2	-25934.39	-250.83	742.21	-9.77	24423.83	-6332.05
f-p2	SLU-198	Min M2	-24202.87	-257.81	773.05	-9.60	18095.83	-6498.98
f-p2	SLU-198	Max M3	-25380.37	-237.42	751.94	-7.84	21361.51	-5981.47
f-p2	SLU-198	Min M3	-25400.07	-268.20	754.23	-11.49	21276.06	-6772.37
f-p2	SLU-199	Max P	-23499.29	-195.62	-706.49	-15.05	-17611.57	-5047.55
f-p2	SLU-199	Min P	-26623.46	-199.50	-686.68	-14.56	-21300.52	-5140.02
f-p2	SLU-199	Max M2	-24244.80	-194.92	-712.35	-14.91	-16325.73	-5032.23
f-p2	SLU-199	Min M2	-25904.42	-200.54	-680.81	-14.78	-22630.40	-5164.24
f-p2	SLU-199	Max M3	-25383.44	-182.22	-692.25	-16.77	-19436.15	-4699.56
f-p2	SLU-199	Min M3	-25414.45	-215.30	-690.89	-13.02	-19602.85	-5549.29
f-p2	SLU-200	Max P	-23524.85	-200.67	-704.67	-14.76	-17612.31	-5177.42
f-p2	SLU-200	Min P	-26608.30	-196.88	-722.84	-14.87	-13851.18	-5087.27
f-p2	SLU-200	Max M2	-25935.13	-195.28	-729.17	-14.90	-12567.69	-5048.74
f-p2	SLU-200	Min M2	-24203.61	-202.26	-698.33	-14.73	-18895.68	-5215.66
f-p2	SLU-200	Max M3	-25381.12	-181.86	-719.43	-12.97	-15630.00	-4698.15
f-p2	SLU-200	Min M3	-25400.82	-212.65	-717.14	-16.62	-15715.46	-5489.05
f-p2	SLU-201	Max P	-22967.27	-249.54	765.12	-9.91	19341.20	-6288.98
f-p2	SLU-201	Min P	-26091.44	-253.42	784.93	-9.43	15652.25	-6381.45
f-p2	SLU-201	Max M2	-23712.78	-248.85	759.25	-9.77	20627.04	-6273.66
f-p2	SLU-201	Min M2	-25372.40	-254.47	790.79	-9.64	14322.37	-6405.67
f-p2	SLU-201	Max M3	-24851.42	-236.15	779.35	-11.64	17516.62	-5941.00
f-p2	SLU-201	Min M3	-24882.43	-269.23	780.72	-7.88	17349.93	-6790.72
f-p2	SLU-202	Max P	-22992.83	-254.60	766.94	-9.62	19340.47	-6418.85
f-p2	SLU-202	Min P	-26076.28	-250.80	748.77	-9.73	23101.59	-6328.70
f-p2	SLU-202	Max M2	-25403.11	-249.21	742.44	-9.76	24385.09	-6290.17
f-p2	SLU-202	Min M2	-23671.59	-256.18	773.28	-9.59	18057.09	-6457.09
f-p2	SLU-202	Max M3	-24849.10	-235.79	752.17	-7.83	21322.77	-5939.58
f-p2	SLU-202	Min M3	-24868.80	-266.57	754.47	-11.48	21237.32	-6730.48
f-p2	SLU-203	Max P	-22968.01	-193.99	-706.25	-15.04	-17650.31	-5005.66
f-p2	SLU-203	Min P	-26092.18	-197.87	-686.44	-14.55	-21339.26	-5098.13
f-p2	SLU-203	Max M2	-23713.52	-193.29	-712.12	-14.90	-16364.47	-4990.34
f-p2	SLU-203	Min M2	-25373.15	-198.91	-680.58	-14.77	-22669.14	-5122.36
f-p2	SLU-203	Max M3	-24852.17	-180.60	-692.02	-16.76	-19474.89	-4657.68
f-p2	SLU-203	Min M3	-24883.17	-213.67	-690.66	-13.01	-19641.59	-5507.40
f-p2	SLU-204	Max P	-22993.57	-199.04	-704.43	-14.75	-17651.05	-5135.53
f-p2	SLU-204	Min P	-26077.02	-195.25	-722.60	-14.86	-13889.92	-5045.39
f-p2	SLU-204	Max M2	-25403.85	-193.65	-728.93	-14.88	-12606.43	-5006.85
f-p2	SLU-204	Min M2	-23672.33	-200.63	-698.09	-14.72	-18934.42	-5173.77
f-p2	SLU-204	Max M3	-24849.84	-180.24	-719.20	-12.95	-15668.74	-4656.26
f-p2	SLU-204	Min M3	-24869.54	-211.02	-716.91	-16.61	-15754.20	-5447.17
f-p2	SLU-205	Max P	-23411.84	-251.22	764.80	-9.96	19378.08	-6332.19
f-p2	SLU-205	Min P	-26536.00	-255.10	784.61	-9.48	15689.13	-6424.66
f-p2	SLU-205	Max M2	-24157.35	-250.53	758.94	-9.82	20663.92	-6316.87

f-p2	SLU-205	Min M2	-25816.97	-256.15	790.48	-9.70	14359.25	-6448.89
f-p2	SLU-205	Max M3	-25295.99	-237.83	779.04	-11.69	17553.50	-5984.21
f-p2	SLU-205	Min M3	-25327.00	-270.91	780.40	-7.94	17386.81	-6833.93
f-p2	SLU-206	Max P	-23437.40	-256.28	766.62	-9.68	19377.34	-6462.06
f-p2	SLU-206	Min P	-26520.84	-252.48	748.46	-9.79	23138.47	-6371.92
f-p2	SLU-206	Max M2	-25847.67	-250.88	742.13	-9.81	24421.96	-6333.38
f-p2	SLU-206	Min M2	-24116.16	-257.86	772.97	-9.65	18093.97	-6500.30
f-p2	SLU-206	Max M3	-25293.66	-237.47	751.86	-7.88	21359.65	-5982.79
f-p2	SLU-206	Min M3	-25313.36	-268.25	754.15	-11.53	21274.20	-6773.70
f-p2	SLU-207	Max P	-23412.58	-195.67	-706.57	-15.09	-17613.43	-5048.88
f-p2	SLU-207	Min P	-26536.74	-199.55	-686.76	-14.61	-21302.38	-5141.35
f-p2	SLU-207	Max M2	-24158.09	-194.97	-712.44	-14.95	-16327.60	-5033.56
f-p2	SLU-207	Min M2	-25817.71	-200.59	-680.90	-14.82	-22632.27	-5165.57
f-p2	SLU-207	Max M3	-25296.73	-182.28	-692.34	-16.82	-19438.01	-4700.89
f-p2	SLU-207	Min M3	-25327.74	-215.35	-690.97	-13.06	-19604.71	-5550.62
f-p2	SLU-208	Max P	-23438.14	-200.72	-704.75	-14.81	-17614.17	-5178.74
f-p2	SLU-208	Min P	-26521.58	-196.93	-722.92	-14.91	-13853.04	-5088.60
f-p2	SLU-208	Max M2	-25848.42	-195.33	-729.25	-14.94	-12569.55	-5050.06
f-p2	SLU-208	Min M2	-24116.90	-202.31	-698.41	-14.77	-18897.55	-5216.99
f-p2	SLU-208	Max M3	-25294.40	-181.91	-719.52	-13.01	-15631.86	-4699.48
f-p2	SLU-208	Min M3	-25314.10	-212.70	-717.22	-16.66	-15717.32	-5490.38
f-p2	SLU-209	Max P	-23053.75	-244.72	668.43	-13.28	16560.22	-6164.65
f-p2	SLU-209	Min P	-26177.91	-248.61	688.24	-12.80	12871.27	-6257.12
f-p2	SLU-209	Max M2	-23799.26	-244.03	662.57	-13.14	17846.06	-6149.33
f-p2	SLU-209	Min M2	-25458.88	-249.65	694.11	-13.01	11541.39	-6281.34
f-p2	SLU-209	Max M3	-24937.90	-231.33	682.67	-15.01	14735.64	-5816.66
f-p2	SLU-209	Min M3	-24968.91	-264.41	684.03	-11.25	14568.95	-6666.39
f-p2	SLU-210	Max P	-23079.31	-249.78	670.26	-12.99	16559.48	-6294.51
f-p2	SLU-210	Min P	-26162.75	-245.99	652.09	-13.10	20320.61	-6204.37
f-p2	SLU-210	Max M2	-25489.59	-244.39	645.76	-13.13	21604.10	-6165.83
f-p2	SLU-210	Min M2	-23758.07	-251.37	676.60	-12.96	15276.11	-6332.76
f-p2	SLU-210	Max M3	-24935.57	-230.97	655.49	-11.20	18541.79	-5815.25
f-p2	SLU-210	Min M3	-24955.27	-261.76	657.78	-14.85	18456.34	-6606.15
f-p2	SLU-211	Max P	-23054.49	-189.17	-802.94	-18.41	-20431.30	-4881.33
f-p2	SLU-211	Min P	-26178.65	-193.05	-783.13	-17.92	-24120.25	-4973.80
f-p2	SLU-211	Max M2	-23800.00	-188.48	-808.80	-18.27	-19145.46	-4866.01
f-p2	SLU-211	Min M2	-25459.62	-194.10	-777.26	-18.14	-25450.13	-4998.02
f-p2	SLU-211	Max M3	-24938.64	-175.78	-788.70	-20.13	-22255.88	-4533.34
f-p2	SLU-211	Min M3	-24969.65	-208.86	-787.34	-16.38	-22422.57	-5383.07
f-p2	SLU-212	Max P	-23080.05	-194.23	-801.12	-18.12	-20432.03	-5011.20
f-p2	SLU-212	Min P	-26163.49	-190.43	-819.29	-18.23	-16670.90	-4921.05
f-p2	SLU-212	Max M2	-25490.33	-188.83	-825.61	-18.25	-15387.41	-4882.52
f-p2	SLU-212	Min M2	-23758.81	-195.81	-794.78	-18.09	-21715.41	-5049.44
f-p2	SLU-212	Max M3	-24936.31	-175.42	-815.88	-16.32	-18449.72	-4531.93
f-p2	SLU-212	Min M3	-24956.01	-206.20	-813.59	-19.98	-18535.18	-5322.83
f-p2	SLU-213	Max P	-23498.31	-246.40	668.12	-13.34	16597.10	-6207.86
f-p2	SLU-213	Min P	-26622.48	-250.29	687.93	-12.85	12908.15	-6300.33
f-p2	SLU-213	Max M2	-24243.82	-245.71	662.25	-13.20	17882.94	-6192.54
f-p2	SLU-213	Min M2	-25903.44	-251.33	693.79	-13.07	11578.27	-6324.55
f-p2	SLU-213	Max M3	-25382.46	-233.01	682.35	-15.06	14772.52	-5859.87
f-p2	SLU-213	Min M3	-25413.47	-266.09	683.71	-11.31	14605.82	-6709.60

f-p2	SLU-214	Max P	-23523.87	-251.46	669.94	-13.05	16596.36	-6337.72
f-p2	SLU-214	Min P	-26607.32	-247.66	651.77	-13.16	20357.49	-6247.58
f-p2	SLU-214	Max M2	-25934.15	-246.07	645.44	-13.18	21640.98	-6209.05
f-p2	SLU-214	Min M2	-24202.63	-253.04	676.28	-13.02	15312.99	-6375.97
f-p2	SLU-214	Max M3	-25380.13	-232.65	655.17	-11.25	18578.67	-5858.46
f-p2	SLU-214	Min M3	-25399.83	-263.43	657.47	-14.91	18493.22	-6649.36
f-p2	SLU-215	Max P	-23499.05	-190.85	-803.26	-18.46	-20394.42	-4924.54
f-p2	SLU-215	Min P	-26623.22	-194.73	-783.45	-17.98	-24083.37	-5017.01
f-p2	SLU-215	Max M2	-24244.56	-190.16	-809.12	-18.32	-19108.58	-4909.22
f-p2	SLU-215	Min M2	-25904.18	-195.78	-777.58	-18.19	-25413.25	-5041.23
f-p2	SLU-215	Max M3	-25383.20	-177.46	-789.02	-20.19	-22219.00	-4576.56
f-p2	SLU-215	Min M3	-25414.21	-210.53	-787.66	-16.43	-22385.69	-5426.28
f-p2	SLU-216	Max P	-23524.61	-195.91	-801.43	-18.18	-20395.15	-5054.41
f-p2	SLU-216	Min P	-26608.06	-192.11	-819.60	-18.28	-16634.03	-4964.27
f-p2	SLU-216	Max M2	-25934.89	-190.51	-825.93	-18.31	-15350.53	-4925.73
f-p2	SLU-216	Min M2	-24203.37	-197.49	-795.09	-18.14	-21678.53	-5092.65
f-p2	SLU-216	Max M3	-25380.87	-177.10	-816.20	-16.38	-18412.84	-4575.14
f-p2	SLU-216	Min M3	-25400.57	-207.88	-813.91	-20.03	-18498.30	-5366.05
f-p2	SLU-217	Max P	-22967.03	-244.78	668.35	-13.32	16558.36	-6165.97
f-p2	SLU-217	Min P	-26091.20	-248.66	688.16	-12.84	12869.41	-6258.44
f-p2	SLU-217	Max M2	-23712.54	-244.08	662.49	-13.18	17844.20	-6150.65
f-p2	SLU-217	Min M2	-25372.16	-249.70	694.03	-13.05	11539.53	-6282.67
f-p2	SLU-217	Max M3	-24851.18	-231.38	682.59	-15.05	14733.78	-5817.99
f-p2	SLU-217	Min M3	-24882.19	-264.46	683.95	-11.29	14567.08	-6667.71
f-p2	SLU-218	Max P	-22992.59	-249.83	670.17	-13.04	16557.62	-6295.84
f-p2	SLU-218	Min P	-26076.04	-246.04	652.01	-13.14	20318.75	-6205.70
f-p2	SLU-218	Max M2	-25402.87	-244.44	645.68	-13.17	21602.24	-6167.16
f-p2	SLU-218	Min M2	-23671.35	-251.42	676.52	-13.00	15274.25	-6334.08
f-p2	SLU-218	Max M3	-24848.86	-231.02	655.41	-11.24	18539.93	-5816.57
f-p2	SLU-218	Min M3	-24868.56	-261.81	657.70	-14.89	18454.48	-6607.48
f-p2	SLU-219	Max P	-22967.77	-189.22	-803.02	-18.45	-20433.16	-4882.66
f-p2	SLU-219	Min P	-26091.94	-193.11	-783.21	-17.97	-24122.11	-4975.13
f-p2	SLU-219	Max M2	-23713.28	-188.53	-808.89	-18.31	-19147.32	-4867.34
f-p2	SLU-219	Min M2	-25372.90	-194.15	-777.35	-18.18	-25451.99	-4999.35
f-p2	SLU-219	Max M3	-24851.92	-175.83	-788.79	-20.18	-22257.74	-4534.67
f-p2	SLU-219	Min M3	-24882.93	-208.91	-787.42	-16.42	-22424.43	-5384.40
f-p2	SLU-220	Max P	-22993.33	-194.28	-801.20	-18.17	-20433.89	-5012.52
f-p2	SLU-220	Min P	-26076.78	-190.48	-819.37	-18.27	-16672.77	-4922.38
f-p2	SLU-220	Max M2	-25403.61	-188.89	-825.70	-18.30	-15389.27	-4883.84
f-p2	SLU-220	Min M2	-23672.09	-195.86	-794.86	-18.13	-21717.27	-5050.77
f-p2	SLU-220	Max M3	-24849.60	-175.47	-815.96	-16.37	-18451.58	-4533.26
f-p2	SLU-220	Min M3	-24869.30	-206.25	-813.67	-20.02	-18537.04	-5324.16
f-p2	SLU-221	Max P	-23411.60	-246.45	668.03	-13.38	16595.24	-6209.19
f-p2	SLU-221	Min P	-26535.76	-250.34	687.84	-12.89	12906.29	-6301.66
f-p2	SLU-221	Max M2	-24157.11	-245.76	662.17	-13.24	17881.07	-6193.87
f-p2	SLU-221	Min M2	-25816.73	-251.38	693.71	-13.11	11576.40	-6325.88
f-p2	SLU-221	Max M3	-25295.75	-233.06	682.27	-15.10	14770.66	-5861.20
f-p2	SLU-221	Min M3	-25326.75	-266.14	683.63	-11.35	14603.96	-6710.93
f-p2	SLU-222	Max P	-23437.16	-251.51	669.86	-13.09	16594.50	-6339.05
f-p2	SLU-222	Min P	-26520.60	-247.72	651.69	-13.20	20355.63	-6248.91
f-p2	SLU-222	Max M2	-25847.43	-246.12	645.36	-13.23	21639.12	-6210.37

f-p2	SLU-222	Min M2	-24115.92	-253.10	676.20	-13.06	15311.12	-6377.30
f-p2	SLU-222	Max M3	-25293.42	-232.70	655.09	-11.30	18576.81	-5859.78
f-p2	SLU-222	Min M3	-25313.12	-263.49	657.38	-14.95	18491.35	-6650.69
f-p2	SLU-223	Max P	-23412.34	-190.90	-803.34	-18.51	-20396.28	-4925.87
f-p2	SLU-223	Min P	-26536.50	-194.78	-783.53	-18.02	-24085.23	-5018.34
f-p2	SLU-223	Max M2	-24157.85	-190.21	-809.20	-18.37	-19110.44	-4910.55
f-p2	SLU-223	Min M2	-25817.47	-195.83	-777.66	-18.24	-25415.11	-5042.56
f-p2	SLU-223	Max M3	-25296.49	-177.51	-789.10	-20.23	-22220.86	-4577.88
f-p2	SLU-223	Min M3	-25327.50	-210.59	-787.74	-16.48	-22387.55	-5427.61
f-p2	SLU-224	Max P	-23437.90	-195.96	-801.52	-18.22	-20397.01	-5055.73
f-p2	SLU-224	Min P	-26521.34	-192.16	-819.68	-18.33	-16635.89	-4965.59
f-p2	SLU-224	Max M2	-25848.17	-190.56	-826.01	-18.35	-15352.39	-4927.06
f-p2	SLU-224	Min M2	-24116.66	-197.54	-795.17	-18.19	-21680.39	-5093.98
f-p2	SLU-224	Max M3	-25294.16	-177.15	-816.28	-16.42	-18414.71	-4576.47
f-p2	SLU-224	Min M3	-25313.86	-207.93	-813.99	-20.08	-18500.16	-5367.37
f-p2	SLU-225	Max P	-23053.99	-265.83	1216.74	4.49	30514.41	-6659.16
f-p2	SLU-225	Min P	-26178.15	-269.71	1236.55	4.97	26825.46	-6751.63
f-p2	SLU-225	Max M2	-23799.50	-265.14	1210.88	4.63	31800.25	-6643.84
f-p2	SLU-225	Min M2	-25459.12	-270.76	1242.42	4.76	25495.58	-6775.85
f-p2	SLU-225	Max M3	-24938.14	-252.44	1230.98	2.76	28689.83	-6311.18
f-p2	SLU-225	Min M3	-24969.15	-285.51	1232.34	6.52	28523.14	-7160.90
f-p2	SLU-226	Max P	-23079.55	-270.89	1218.56	4.77	30513.67	-6789.03
f-p2	SLU-226	Min P	-26162.99	-267.09	1200.39	4.66	34274.80	-6698.89
f-p2	SLU-226	Max M2	-25489.83	-265.49	1194.07	4.64	35558.29	-6660.35
f-p2	SLU-226	Min M2	-23758.31	-272.47	1224.90	4.81	29230.30	-6827.27
f-p2	SLU-226	Max M3	-24935.81	-252.08	1203.80	6.57	32495.98	-6309.76
f-p2	SLU-226	Min M3	-24955.51	-282.86	1206.09	2.92	32410.53	-7100.67
f-p2	SLU-227	Max P	-23055.22	-173.24	-1235.55	-4.06	-31138.12	-4520.30
f-p2	SLU-227	Min P	-26179.39	-177.12	-1215.74	-3.58	-34827.06	-4612.77
f-p2	SLU-227	Max M2	-23800.73	-172.55	-1241.41	-3.92	-29852.28	-4504.98
f-p2	SLU-227	Min M2	-25460.35	-178.17	-1209.87	-3.79	-36156.95	-4636.99
f-p2	SLU-227	Max M3	-24939.37	-159.85	-1221.31	-5.79	-32962.70	-4172.31
f-p2	SLU-227	Min M3	-24970.38	-192.93	-1219.95	-2.03	-33129.39	-5022.04
f-p2	SLU-228	Max P	-23080.78	-178.30	-1233.72	-3.77	-31138.85	-4650.17
f-p2	SLU-228	Min P	-26164.23	-174.50	-1251.89	-3.88	-27377.72	-4560.02
f-p2	SLU-228	Max M2	-25491.06	-172.90	-1258.22	-3.91	-26094.23	-4521.49
f-p2	SLU-228	Min M2	-23759.54	-179.88	-1227.38	-3.74	-32422.23	-4688.41
f-p2	SLU-228	Max M3	-24937.04	-159.49	-1248.49	-1.98	-29156.54	-4170.90
f-p2	SLU-228	Min M3	-24956.74	-190.27	-1246.20	-5.63	-29242.00	-4961.80
f-p2	SLU-229	Max P	-23498.55	-267.51	1216.42	4.43	30551.29	-6702.38
f-p2	SLU-229	Min P	-26622.72	-271.39	1236.23	4.91	26862.34	-6794.85
f-p2	SLU-229	Max M2	-24244.06	-266.81	1210.56	4.57	31837.13	-6687.06
f-p2	SLU-229	Min M2	-25903.68	-272.43	1242.10	4.70	25532.46	-6819.07
f-p2	SLU-229	Max M3	-25382.70	-254.12	1230.66	2.70	28726.71	-6354.39
f-p2	SLU-229	Min M3	-25413.71	-287.19	1232.02	6.46	28560.01	-7204.11
f-p2	SLU-230	Max P	-23524.11	-272.56	1218.25	4.72	30550.55	-6832.24
f-p2	SLU-230	Min P	-26607.56	-268.77	1200.08	4.61	34311.68	-6742.10
f-p2	SLU-230	Max M2	-25934.39	-267.17	1193.75	4.58	35595.17	-6703.56
f-p2	SLU-230	Min M2	-24202.87	-274.15	1224.59	4.75	29267.18	-6870.49
f-p2	SLU-230	Max M3	-25380.37	-253.76	1203.48	6.51	32532.86	-6352.97
f-p2	SLU-230	Min M3	-25400.07	-284.54	1205.77	2.86	32447.41	-7143.88

f-p2	SLU-231	Max P	-23499.79	-174.92	-1235.86	-4.12	-31101.24	-4563.51
f-p2	SLU-231	Min P	-26623.95	-178.80	-1216.05	-3.63	-34790.19	-4655.98
f-p2	SLU-231	Max M2	-24245.30	-174.23	-1241.73	-3.98	-29815.40	-4548.19
f-p2	SLU-231	Min M2	-25904.92	-179.85	-1210.19	-3.85	-36120.07	-4680.21
f-p2	SLU-231	Max M3	-25383.94	-161.53	-1221.63	-5.84	-32925.82	-4215.53
f-p2	SLU-231	Min M3	-25414.94	-194.60	-1220.27	-2.09	-33092.51	-5065.25
f-p2	SLU-232	Max P	-23525.35	-179.98	-1234.04	-3.83	-31101.97	-4693.38
f-p2	SLU-232	Min P	-26608.79	-176.18	-1252.21	-3.94	-27340.85	-4603.24
f-p2	SLU-232	Max M2	-25935.62	-174.58	-1258.54	-3.96	-26057.35	-4564.70
f-p2	SLU-232	Min M2	-24204.11	-181.56	-1227.70	-3.80	-32385.35	-4731.62
f-p2	SLU-232	Max M3	-25381.61	-161.17	-1248.81	-2.03	-29119.66	-4214.11
f-p2	SLU-232	Min M3	-25401.31	-191.95	-1246.51	-5.68	-29205.12	-5005.02
f-p2	SLU-233	Max P	-22967.27	-265.88	1216.66	4.44	30512.55	-6660.49
f-p2	SLU-233	Min P	-26091.44	-269.76	1236.47	4.93	26823.60	-6752.96
f-p2	SLU-233	Max M2	-23712.78	-265.19	1210.79	4.58	31798.39	-6645.17
f-p2	SLU-233	Min M2	-25372.40	-270.81	1242.33	4.71	25493.72	-6777.18
f-p2	SLU-233	Max M3	-24851.42	-252.49	1230.89	2.72	28687.97	-6312.50
f-p2	SLU-233	Min M3	-24882.43	-285.57	1232.26	6.47	28521.27	-7162.23
f-p2	SLU-234	Max P	-22992.83	-270.94	1218.48	4.73	30511.81	-6790.35
f-p2	SLU-234	Min P	-26076.28	-267.14	1200.31	4.62	34272.94	-6700.21
f-p2	SLU-234	Max M2	-25403.11	-265.55	1193.98	4.60	35556.43	-6661.68
f-p2	SLU-234	Min M2	-23671.59	-272.52	1224.82	4.76	29228.44	-6828.60
f-p2	SLU-234	Max M3	-24849.09	-252.13	1203.72	6.53	32494.12	-6311.09
f-p2	SLU-234	Min M3	-24868.79	-282.91	1206.01	2.87	32408.67	-7101.99
f-p2	SLU-235	Max P	-22968.51	-173.29	-1235.63	-4.10	-31139.98	-4521.63
f-p2	SLU-235	Min P	-26092.67	-177.18	-1215.82	-3.62	-34828.93	-4614.10
f-p2	SLU-235	Max M2	-23714.02	-172.60	-1241.49	-3.96	-29854.14	-4506.31
f-p2	SLU-235	Min M2	-25373.64	-178.22	-1209.95	-3.83	-36158.81	-4638.32
f-p2	SLU-235	Max M3	-24852.66	-159.90	-1221.39	-5.83	-32964.56	-4173.64
f-p2	SLU-235	Min M3	-24883.67	-192.98	-1220.03	-2.07	-33131.25	-5023.37
f-p2	SLU-236	Max P	-22994.07	-178.35	-1233.81	-3.82	-31140.71	-4651.49
f-p2	SLU-236	Min P	-26077.51	-174.55	-1251.97	-3.92	-27379.59	-4561.35
f-p2	SLU-236	Max M2	-25404.35	-172.96	-1258.30	-3.95	-26096.09	-4522.81
f-p2	SLU-236	Min M2	-23672.83	-179.93	-1227.46	-3.78	-32424.09	-4689.74
f-p2	SLU-236	Max M3	-24850.33	-159.54	-1248.57	-2.02	-29158.40	-4172.23
f-p2	SLU-236	Min M3	-24870.03	-190.32	-1246.28	-5.67	-29243.86	-4963.13
f-p2	SLU-237	Max P	-23411.84	-267.56	1216.34	4.39	30549.43	-6703.70
f-p2	SLU-237	Min P	-26536.00	-271.44	1236.15	4.87	26860.48	-6796.17
f-p2	SLU-237	Max M2	-24157.35	-266.87	1210.48	4.53	31835.26	-6688.38
f-p2	SLU-237	Min M2	-25816.97	-272.49	1242.02	4.66	25530.59	-6820.39
f-p2	SLU-237	Max M3	-25295.99	-254.17	1230.58	2.66	28724.85	-6355.72
f-p2	SLU-237	Min M3	-25326.99	-287.24	1231.94	6.42	28558.15	-7205.44
f-p2	SLU-238	Max P	-23437.40	-272.62	1218.16	4.67	30548.69	-6833.57
f-p2	SLU-238	Min P	-26520.84	-268.82	1200.00	4.57	34309.82	-6743.42
f-p2	SLU-238	Max M2	-25847.67	-267.22	1193.67	4.54	35593.31	-6704.89
f-p2	SLU-238	Min M2	-24116.16	-274.20	1224.51	4.71	29265.32	-6871.81
f-p2	SLU-238	Max M3	-25293.66	-253.81	1203.40	6.47	32531.00	-6354.30
f-p2	SLU-238	Min M3	-25313.36	-284.59	1205.69	2.82	32445.54	-7145.21
f-p2	SLU-239	Max P	-23413.07	-174.97	-1235.95	-4.16	-31103.10	-4564.84
f-p2	SLU-239	Min P	-26537.24	-178.85	-1216.14	-3.67	-34792.05	-4657.31
f-p2	SLU-239	Max M2	-24158.58	-174.28	-1241.81	-4.02	-29817.26	-4549.52

f-p2	SLU-239	Min M2	-25818.20	-179.90	-1210.27	-3.89	-36121.93	-4681.53
f-p2	SLU-239	Max M3	-25297.22	-161.58	-1221.71	-5.88	-32927.68	-4216.85
f-p2	SLU-239	Min M3	-25328.23	-194.66	-1220.35	-2.13	-33094.37	-5066.58
f-p2	SLU-240	Max P	-23438.63	-180.03	-1234.12	-3.87	-31103.83	-4694.71
f-p2	SLU-240	Min P	-26522.08	-176.23	-1252.29	-3.98	-27342.71	-4604.56
f-p2	SLU-240	Max M2	-25848.91	-174.63	-1258.62	-4.01	-26059.21	-4566.03
f-p2	SLU-240	Min M2	-24117.39	-181.61	-1227.78	-3.84	-32387.21	-4732.95
f-p2	SLU-240	Max M3	-25294.89	-161.22	-1248.89	-2.07	-29121.52	-4215.44
f-p2	SLU-240	Min M3	-25314.59	-192.00	-1246.60	-5.73	-29206.98	-5006.34
f-p2	SLU-241	Max P	-23083.15	-392.30	720.42	2.94	18074.29	-9923.00
f-p2	SLU-241	Min P	-26207.32	-396.19	740.23	3.42	14385.34	-10015.47
f-p2	SLU-241	Max M2	-23828.66	-391.61	714.55	3.08	19360.13	-9907.68
f-p2	SLU-241	Min M2	-25488.28	-397.23	746.09	3.21	13055.46	-10039.69
f-p2	SLU-241	Max M3	-24967.30	-378.91	734.65	1.21	16249.71	-9575.01
f-p2	SLU-241	Min M3	-24998.31	-411.99	736.02	4.97	16083.02	-10424.74
f-p2	SLU-242	Max P	-23108.71	-397.36	722.24	3.22	18073.56	-10052.86
f-p2	SLU-242	Min P	-26192.16	-393.57	704.07	3.12	21834.68	-9962.72
f-p2	SLU-242	Max M2	-25518.99	-391.97	697.74	3.09	23118.18	-9924.19
f-p2	SLU-242	Min M2	-23787.47	-398.95	728.58	3.26	16790.18	-10091.11
f-p2	SLU-242	Max M3	-24964.97	-378.55	707.48	5.02	20055.87	-9573.60
f-p2	SLU-242	Min M3	-24984.67	-409.34	709.77	1.37	19970.41	-10364.50
f-p2	SLU-243	Max P	-23083.89	-336.75	-750.95	-2.19	-18917.22	-8639.68
f-p2	SLU-243	Min P	-26208.06	-340.63	-731.14	-1.70	-22606.17	-8732.15
f-p2	SLU-243	Max M2	-23829.40	-336.06	-756.82	-2.05	-17631.38	-8624.36
f-p2	SLU-243	Min M2	-25489.02	-341.68	-725.28	-1.92	-23936.05	-8756.37
f-p2	SLU-243	Max M3	-24968.04	-323.36	-736.72	-3.91	-20741.80	-8291.70
f-p2	SLU-243	Min M3	-24999.05	-356.44	-735.36	-0.16	-20908.49	-9141.42
f-p2	SLU-244	Max P	-23109.45	-341.81	-749.13	-1.90	-18917.96	-8769.55
f-p2	SLU-244	Min P	-26192.90	-338.01	-767.30	-2.01	-15156.83	-8679.41
f-p2	SLU-244	Max M2	-25519.73	-336.42	-773.63	-2.04	-13873.34	-8640.87
f-p2	SLU-244	Min M2	-23788.21	-343.39	-742.79	-1.87	-20201.33	-8807.79
f-p2	SLU-244	Max M3	-24965.71	-323.00	-763.90	-0.10	-16935.65	-8290.28
f-p2	SLU-244	Min M3	-24985.41	-353.78	-761.60	-3.76	-17021.10	-9081.19
f-p2	SLU-245	Max P	-23527.71	-393.98	720.10	2.88	18111.17	-9966.21
f-p2	SLU-245	Min P	-26651.88	-397.87	739.91	3.37	14422.22	-10058.68
f-p2	SLU-245	Max M2	-24273.22	-393.29	714.24	3.02	19397.01	-9950.89
f-p2	SLU-245	Min M2	-25932.85	-398.91	745.78	3.15	13092.34	-10082.90
f-p2	SLU-245	Max M3	-25411.87	-380.59	734.34	1.16	16286.59	-9618.23
f-p2	SLU-245	Min M3	-25442.87	-413.67	735.70	4.91	16119.90	-10467.95
f-p2	SLU-246	Max P	-23553.27	-399.04	721.92	3.17	18110.44	-10096.08
f-p2	SLU-246	Min P	-26636.72	-395.24	703.76	3.06	21871.56	-10005.94
f-p2	SLU-246	Max M2	-25963.55	-393.65	697.43	3.04	23155.06	-9967.40
f-p2	SLU-246	Min M2	-24232.03	-400.63	728.27	3.20	16827.06	-10134.32
f-p2	SLU-246	Max M3	-25409.54	-380.23	707.16	4.97	20092.74	-9616.81
f-p2	SLU-246	Min M3	-25429.24	-411.01	709.45	1.31	20007.29	-10407.72
f-p2	SLU-247	Max P	-23528.46	-338.43	-751.27	-2.24	-18880.34	-8682.90
f-p2	SLU-247	Min P	-26652.62	-342.31	-731.46	-1.76	-22569.29	-8775.37
f-p2	SLU-247	Max M2	-24273.97	-337.74	-757.14	-2.10	-17594.50	-8667.58
f-p2	SLU-247	Min M2	-25933.59	-343.36	-725.60	-1.97	-23899.17	-8799.59
f-p2	SLU-247	Max M3	-25412.61	-325.04	-737.04	-3.97	-20704.92	-8334.91
f-p2	SLU-247	Min M3	-25443.61	-358.11	-735.67	-0.21	-20871.62	-9184.63

f-p2	SLU-248	Max P	-23554.01	-343.49	-749.45	-1.96	-18881.08	-8812.76
f-p2	SLU-248	Min P	-26637.46	-339.69	-767.62	-2.06	-15119.95	-8722.62
f-p2	SLU-248	Max M2	-25964.29	-338.09	-773.95	-2.09	-13836.46	-8684.08
f-p2	SLU-248	Min M2	-24232.78	-345.07	-743.11	-1.92	-20164.45	-8851.01
f-p2	SLU-248	Max M3	-25410.28	-324.68	-764.21	-0.16	-16898.77	-8333.49
f-p2	SLU-248	Min M3	-25429.98	-355.46	-761.92	-3.81	-16984.22	-9124.40
f-p2	SLU-249	Max P	-22938.63	-392.39	720.28	2.87	18071.19	-9925.21
f-p2	SLU-249	Min P	-26062.79	-396.27	740.09	3.35	14382.24	-10017.68
f-p2	SLU-249	Max M2	-23684.14	-391.70	714.42	3.01	19357.03	-9909.89
f-p2	SLU-249	Min M2	-25343.76	-397.32	745.96	3.14	13052.36	-10041.90
f-p2	SLU-249	Max M3	-24822.78	-379.00	734.52	1.14	16246.61	-9577.22
f-p2	SLU-249	Min M3	-24853.78	-412.08	735.88	4.90	16079.92	-10426.95
f-p2	SLU-250	Max P	-22964.19	-397.45	722.11	3.15	18070.46	-10055.08
f-p2	SLU-250	Min P	-26047.63	-393.65	703.94	3.05	21831.58	-9964.93
f-p2	SLU-250	Max M2	-25374.46	-392.05	697.61	3.02	23115.08	-9926.40
f-p2	SLU-250	Min M2	-23642.95	-399.03	728.45	3.19	16787.08	-10093.32
f-p2	SLU-250	Max M3	-24820.45	-378.64	707.34	4.95	20052.76	-9575.81
f-p2	SLU-250	Min M3	-24840.15	-409.42	709.63	1.30	19967.31	-10366.71
f-p2	SLU-251	Max P	-22939.37	-336.84	-751.09	-2.26	-18920.32	-8641.89
f-p2	SLU-251	Min P	-26063.53	-340.72	-731.28	-1.78	-22609.27	-8734.36
f-p2	SLU-251	Max M2	-23684.88	-336.14	-756.95	-2.12	-17634.48	-8626.57
f-p2	SLU-251	Min M2	-25344.50	-341.76	-725.42	-1.99	-23939.15	-8758.59
f-p2	SLU-251	Max M3	-24823.52	-323.45	-736.85	-3.99	-20744.90	-8293.91
f-p2	SLU-251	Min M3	-24854.53	-356.52	-735.49	-0.23	-20911.60	-9143.63
f-p2	SLU-252	Max P	-22964.93	-341.89	-749.27	-1.97	-18921.06	-8771.76
f-p2	SLU-252	Min P	-26048.37	-338.10	-767.44	-2.08	-15159.93	-8681.62
f-p2	SLU-252	Max M2	-25375.21	-336.50	-773.77	-2.11	-13876.44	-8643.08
f-p2	SLU-252	Min M2	-23643.69	-343.48	-742.93	-1.94	-20204.43	-8810.00
f-p2	SLU-252	Max M3	-24821.19	-323.08	-764.03	-0.18	-16938.75	-8292.49
f-p2	SLU-252	Min M3	-24840.89	-353.87	-761.74	-3.83	-17024.21	-9083.40
f-p2	SLU-253	Max P	-23383.19	-394.07	719.97	2.81	18108.07	-9968.42
f-p2	SLU-253	Min P	-26507.35	-397.95	739.78	3.30	14419.12	-10060.89
f-p2	SLU-253	Max M2	-24128.70	-393.37	714.10	2.95	19393.91	-9953.10
f-p2	SLU-253	Min M2	-25788.32	-398.99	745.64	3.08	13089.24	-10085.12
f-p2	SLU-253	Max M3	-25267.34	-380.68	734.20	1.09	16283.49	-9620.44
f-p2	SLU-253	Min M3	-25298.35	-413.75	735.56	4.84	16116.80	-10470.16
f-p2	SLU-254	Max P	-23408.75	-399.12	721.79	3.10	18107.33	-10098.29
f-p2	SLU-254	Min P	-26492.19	-395.33	703.62	2.99	21868.46	-10008.15
f-p2	SLU-254	Max M2	-25819.03	-393.73	697.29	2.96	23151.95	-9969.61
f-p2	SLU-254	Min M2	-24087.51	-400.71	728.13	3.13	16823.96	-10136.53
f-p2	SLU-254	Max M3	-25265.01	-380.32	707.02	4.90	20089.64	-9619.02
f-p2	SLU-254	Min M3	-25284.71	-411.10	709.31	1.24	20004.19	-10409.93
f-p2	SLU-255	Max P	-23383.93	-338.52	-751.41	-2.32	-18883.44	-8685.11
f-p2	SLU-255	Min P	-26508.10	-342.40	-731.60	-1.83	-22572.39	-8777.58
f-p2	SLU-255	Max M2	-24129.44	-337.82	-757.27	-2.18	-17597.61	-8669.79
f-p2	SLU-255	Min M2	-25789.06	-343.44	-725.73	-2.05	-23902.28	-8801.80
f-p2	SLU-255	Max M3	-25268.08	-325.12	-737.17	-4.04	-20708.02	-8337.12
f-p2	SLU-255	Min M3	-25299.09	-358.20	-735.81	-0.29	-20874.72	-9186.85
f-p2	SLU-256	Max P	-23409.49	-343.57	-749.58	-2.03	-18884.18	-8814.97
f-p2	SLU-256	Min P	-26492.94	-339.78	-767.75	-2.14	-15123.05	-8724.83
f-p2	SLU-256	Max M2	-25819.77	-338.18	-774.08	-2.16	-13839.56	-8686.29

f-p2	SLU-256	Min M2	-24088.25	-345.16	-743.24	-2.00	-20167.56	-8853.22
f-p2	SLU-256	Max M3	-25265.75	-324.76	-764.35	-0.23	-16901.87	-8335.70
f-p2	SLU-256	Min M3	-25285.45	-355.55	-762.06	-3.89	-16987.33	-9126.61

12.1.17. PILA 2-SOLLECITAZIONI FONDAZIONE-COMBINAZIONI SLV SISMICHE

TABLE: Element Forces - Frames								
Frame	OutputCase	StepType	P	V2	V3	T	M2	M3
Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
f-p2	Comb-Sx-slv	Max	-16611.689	2187.301	940.982	4.5506	18589.113	40683.269
f-p2	Comb-Sx-slv	Min	-18323.421	-2187.465	-940.586	-4.3292	-18554.081	-40687.5
f-p2	Comb-Sy-slv	Max	-16631.437	735.605	2800.112	9.5724	55288.434	13673.74
f-p2	Comb-Sy-slv	Min	-18303.673	-735.769	-2799.716	-9.3509	-55253.402	-13677.97
f-p2	Comb-Sz-slv	Max	-15228.312	677.246	866.008	3.5704	17081.205	12589.356
f-p2	Comb-Sz-slv	Min	-19706.797	-677.41	-865.612	-3.3489	-17046.173	-12593.59

12.1.18. PILA 2-SOLLECITAZIONI FONDAZIONE-COMBINAZIONI SLE RARE

TABLE: Element Forces - Frames								
Frame	OutputCase	StepType	P	V2	V3	T	M2	M3
Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
f-p2	SLE-R-1	Max P	-16789.16	129.72	494.68	1.43	12418.88	3347.24
f-p2	SLE-R-1	Min P	-21361.80	125.04	524.82	2.06	7203.51	3237.46
f-p2	SLE-R-1	Max M2	-17948.01	131.21	484.75	1.70	14436.70	3381.44
f-p2	SLE-R-1	Min M2	-20229.28	123.21	534.75	1.72	5142.19	3194.49
f-p2	SLE-R-1	Max M3	-19380.71	149.27	513.63	-0.83	9865.75	3855.07
f-p2	SLE-R-1	Min M3	-19437.06	103.11	515.76	4.14	9631.30	2669.11
f-p2	SLE-R-2	Max P	-16825.08	124.01	497.34	1.86	12435.50	3200.52
f-p2	SLE-R-2	Min P	-21334.69	128.97	469.16	1.78	17722.35	3317.63
f-p2	SLE-R-2	Max M2	-20287.24	131.53	458.73	1.77	19742.31	3379.20
f-p2	SLE-R-2	Min M2	-17878.44	121.47	507.78	1.88	10415.65	3139.32
f-p2	SLE-R-2	Max M3	-19399.33	149.50	477.14	4.26	15216.59	3849.96
f-p2	SLE-R-2	Min M3	-19401.21	106.48	480.40	-0.57	15057.83	2744.72
f-p2	SLE-R-3	Max P	-16789.66	166.76	-486.24	-1.99	-12242.13	4202.78
f-p2	SLE-R-3	Min P	-21362.29	162.08	-456.10	-1.36	-17457.50	4093.01
f-p2	SLE-R-3	Max M2	-17948.50	168.24	-496.17	-1.72	-10224.31	4236.99
f-p2	SLE-R-3	Min M2	-20229.78	160.25	-446.17	-1.70	-19518.82	4050.04
f-p2	SLE-R-3	Max M3	-19381.20	186.31	-467.28	-4.25	-14795.26	4710.61
f-p2	SLE-R-3	Min M3	-19437.56	140.14	-465.15	0.73	-15029.71	3524.65
f-p2	SLE-R-4	Max P	-16825.58	161.04	-483.57	-1.56	-12225.51	4056.06
f-p2	SLE-R-4	Min P	-21335.18	166.01	-511.76	-1.63	-6938.66	4173.17
f-p2	SLE-R-4	Max M2	-20287.73	168.56	-522.19	-1.65	-4918.70	4234.75
f-p2	SLE-R-4	Min M2	-17878.94	158.51	-473.13	-1.54	-14245.36	3994.87
f-p2	SLE-R-4	Max M3	-19399.83	186.54	-503.77	0.84	-9444.42	4705.50
f-p2	SLE-R-4	Min M3	-19401.71	143.52	-500.52	-3.99	-9603.18	3600.26
f-p2	SLE-R-5	Max P	-17159.63	128.32	494.41	1.38	12449.61	3311.23
f-p2	SLE-R-5	Min P	-21732.27	123.64	524.55	2.01	7234.24	3201.45
f-p2	SLE-R-5	Max M2	-18318.48	129.81	484.48	1.65	14467.43	3345.43
f-p2	SLE-R-5	Min M2	-20599.75	121.82	534.48	1.67	5172.92	3158.48

f-p2	SLE-R-5	Max M3	-19751.18	147.88	513.37	-0.88	9896.48	3819.06
f-p2	SLE-R-5	Min M3	-19807.53	101.71	515.50	4.10	9662.03	2633.10
f-p2	SLE-R-6	Max P	-17195.55	122.61	497.08	1.81	12466.23	3164.51
f-p2	SLE-R-6	Min P	-21705.16	127.58	468.89	1.74	17753.08	3281.62
f-p2	SLE-R-6	Max M2	-20657.71	130.13	458.46	1.72	19773.04	3343.19
f-p2	SLE-R-6	Min M2	-18248.91	120.07	507.52	1.83	10446.38	3103.31
f-p2	SLE-R-6	Max M3	-19769.80	148.10	476.88	4.21	15247.32	3813.95
f-p2	SLE-R-6	Min M3	-19771.68	105.08	480.13	-0.61	15088.56	2708.71
f-p2	SLE-R-7	Max P	-17160.13	165.36	-486.50	-2.03	-12211.39	4166.77
f-p2	SLE-R-7	Min P	-21732.76	160.68	-456.36	-1.40	-17426.77	4057.00
f-p2	SLE-R-7	Max M2	-18318.97	166.84	-496.43	-1.77	-10193.58	4200.98
f-p2	SLE-R-7	Min M2	-20600.25	158.85	-446.43	-1.74	-19488.09	4014.03
f-p2	SLE-R-7	Max M3	-19751.67	184.91	-467.55	-4.30	-14764.53	4674.60
f-p2	SLE-R-7	Min M3	-19808.03	138.75	-465.42	0.68	-14998.98	3488.64
f-p2	SLE-R-8	Max P	-17196.05	159.65	-483.84	-1.61	-12194.78	4020.05
f-p2	SLE-R-8	Min P	-21705.65	164.61	-512.02	-1.68	-6907.93	4137.16
f-p2	SLE-R-8	Max M2	-20658.20	167.16	-522.45	-1.69	-4887.97	4198.73
f-p2	SLE-R-8	Min M2	-18249.41	157.11	-473.40	-1.59	-14214.63	3958.86
f-p2	SLE-R-8	Max M3	-19770.30	185.14	-504.04	0.79	-9413.69	4669.49
f-p2	SLE-R-8	Min M3	-19772.17	142.12	-500.78	-4.03	-9572.45	3564.25
f-p2	SLE-R-9	Max P	-16731.35	129.69	494.62	1.40	12417.64	3346.36
f-p2	SLE-R-9	Min P	-21303.99	125.01	524.76	2.03	7202.27	3236.58
f-p2	SLE-R-9	Max M2	-17890.20	131.17	484.69	1.67	14435.46	3380.56
f-p2	SLE-R-9	Min M2	-20171.47	123.18	534.69	1.69	5140.95	3193.61
f-p2	SLE-R-9	Max M3	-19322.90	149.24	513.58	-0.86	9864.51	3854.18
f-p2	SLE-R-9	Min M3	-19379.25	103.07	515.71	4.12	9630.06	2668.22
f-p2	SLE-R-10	Max P	-16767.27	123.97	497.29	1.83	12434.26	3199.63
f-p2	SLE-R-10	Min P	-21276.88	128.94	469.10	1.76	17721.10	3316.75
f-p2	SLE-R-10	Max M2	-20229.43	131.49	458.67	1.74	19741.07	3378.32
f-p2	SLE-R-10	Min M2	-17820.63	121.44	507.73	1.85	10414.41	3138.44
f-p2	SLE-R-10	Max M3	-19341.52	149.47	477.09	4.23	15215.35	3849.08
f-p2	SLE-R-10	Min M3	-19343.40	106.45	480.34	-0.60	15056.59	2743.83
f-p2	SLE-R-11	Max P	-16731.85	166.72	-486.29	-2.02	-12243.37	4201.90
f-p2	SLE-R-11	Min P	-21304.48	162.04	-456.15	-1.39	-17458.74	4092.12
f-p2	SLE-R-11	Max M2	-17890.69	168.21	-496.22	-1.75	-10225.55	4236.10
f-p2	SLE-R-11	Min M2	-20171.97	160.21	-446.22	-1.73	-19520.06	4049.15
f-p2	SLE-R-11	Max M3	-19323.39	186.28	-467.34	-4.28	-14796.50	4709.73
f-p2	SLE-R-11	Min M3	-19379.75	140.11	-465.21	0.70	-15030.95	3523.77
f-p2	SLE-R-12	Max P	-16767.77	161.01	-483.63	-1.59	-12226.75	4055.18
f-p2	SLE-R-12	Min P	-21277.37	165.98	-511.81	-1.66	-6939.90	4172.29
f-p2	SLE-R-12	Max M2	-20229.92	168.53	-522.24	-1.68	-4919.94	4233.86
f-p2	SLE-R-12	Min M2	-17821.13	158.47	-473.19	-1.57	-14246.60	3993.98
f-p2	SLE-R-12	Max M3	-19342.02	186.50	-503.83	0.81	-9445.66	4704.62
f-p2	SLE-R-12	Min M3	-19343.90	143.48	-500.57	-4.01	-9604.42	3599.38
f-p2	SLE-R-13	Max P	-17101.82	128.29	494.36	1.36	12448.37	3310.35
f-p2	SLE-R-13	Min P	-21674.46	123.61	524.50	1.98	7233.00	3200.57
f-p2	SLE-R-13	Max M2	-18260.67	129.77	484.43	1.62	14466.19	3344.55
f-p2	SLE-R-13	Min M2	-20541.94	121.78	534.43	1.65	5171.68	3157.60
f-p2	SLE-R-13	Max M3	-19693.37	147.84	513.31	-0.91	9895.24	3818.17
f-p2	SLE-R-13	Min M3	-19749.72	101.68	515.44	4.07	9660.79	2632.21
f-p2	SLE-R-14	Max P	-17137.74	122.58	497.02	1.78	12464.99	3163.62

f-p2	SLE-R-14	Min P	-21647.35	127.54	468.84	1.71	17751.84	3280.74
f-p2	SLE-R-14	Max M2	-20599.90	130.09	458.41	1.70	19771.80	3342.31
f-p2	SLE-R-14	Min M2	-18191.10	120.04	507.46	1.80	10445.14	3102.43
f-p2	SLE-R-14	Max M3	-19711.99	148.07	476.82	4.18	15246.08	3813.07
f-p2	SLE-R-14	Min M3	-19713.87	105.05	480.08	-0.64	15087.32	2707.82
f-p2	SLE-R-15	Max P	-17102.32	165.32	-486.56	-2.06	-12212.64	4165.89
f-p2	SLE-R-15	Min P	-21674.95	160.65	-456.42	-1.43	-17428.01	4056.11
f-p2	SLE-R-15	Max M2	-18261.16	166.81	-496.49	-1.80	-10194.82	4200.09
f-p2	SLE-R-15	Min M2	-20542.44	158.82	-446.49	-1.77	-19489.33	4013.14
f-p2	SLE-R-15	Max M3	-19693.86	184.88	-467.60	-4.33	-14765.77	4673.72
f-p2	SLE-R-15	Min M3	-19750.22	138.71	-465.47	0.65	-15000.22	3487.76
f-p2	SLE-R-16	Max P	-17138.24	159.61	-483.89	-1.64	-12196.02	4019.17
f-p2	SLE-R-16	Min P	-21647.84	164.58	-512.08	-1.71	-6909.17	4136.28
f-p2	SLE-R-16	Max M2	-20600.39	167.13	-522.51	-1.72	-4889.21	4197.85
f-p2	SLE-R-16	Min M2	-18191.60	157.07	-473.45	-1.61	-14215.87	3957.97
f-p2	SLE-R-16	Max M3	-19712.49	185.11	-504.09	0.76	-9414.93	4668.61
f-p2	SLE-R-16	Min M3	-19714.36	142.08	-500.84	-4.06	-9573.69	3563.37
f-p2	SLE-R-17	Max P	-17033.05	325.54	503.21	5.38	12650.93	8379.74
f-p2	SLE-R-17	Min P	-19347.25	322.66	517.88	5.74	9918.37	8311.25
f-p2	SLE-R-17	Max M2	-17585.28	326.05	498.86	5.49	13603.40	8391.09
f-p2	SLE-R-17	Min M2	-18814.63	321.89	522.23	5.58	8933.27	8293.30
f-p2	SLE-R-17	Max M3	-18428.72	335.46	513.75	4.10	11299.39	8637.51
f-p2	SLE-R-17	Min M3	-18451.69	310.96	514.76	6.89	11175.91	8008.08
f-p2	SLE-R-18	Max P	-17051.98	321.79	504.56	5.59	12650.38	8283.55
f-p2	SLE-R-18	Min P	-19336.02	324.61	491.10	5.52	15436.40	8350.32
f-p2	SLE-R-18	Max M2	-18837.38	325.79	486.41	5.50	16387.14	8378.86
f-p2	SLE-R-18	Min M2	-17554.77	320.62	509.25	5.62	11699.73	8255.22
f-p2	SLE-R-18	Max M3	-18426.99	335.73	493.62	6.93	14118.76	8638.56
f-p2	SLE-R-18	Min M3	-18441.59	312.92	495.32	4.22	14055.46	8052.70
f-p2	SLE-R-19	Max P	-17033.54	362.58	-477.71	1.96	-12010.08	9235.29
f-p2	SLE-R-19	Min P	-19347.74	359.70	-463.04	2.32	-14742.64	9166.79
f-p2	SLE-R-19	Max M2	-17585.77	363.09	-482.05	2.07	-11057.61	9246.64
f-p2	SLE-R-19	Min M2	-18815.12	358.93	-458.69	2.16	-15727.74	9148.85
f-p2	SLE-R-19	Max M3	-18429.21	372.49	-467.16	0.69	-13361.62	9493.05
f-p2	SLE-R-19	Min M3	-18452.18	347.99	-466.15	3.47	-13485.10	8863.63
f-p2	SLE-R-20	Max P	-17052.48	358.83	-476.36	2.18	-12010.63	9139.09
f-p2	SLE-R-20	Min P	-19336.51	361.64	-489.82	2.10	-9224.61	9205.86
f-p2	SLE-R-20	Max M2	-18837.87	362.82	-494.51	2.08	-8273.87	9234.41
f-p2	SLE-R-20	Min M2	-17555.26	357.65	-471.66	2.20	-12961.28	9110.76
f-p2	SLE-R-20	Max M3	-18427.49	372.76	-487.30	3.51	-10542.25	9494.10
f-p2	SLE-R-20	Min M3	-18442.08	349.96	-485.60	0.80	-10605.55	8908.25
f-p2	SLE-R-21	Max P	-17403.52	324.14	502.94	5.34	12681.66	8343.73
f-p2	SLE-R-21	Min P	-19717.72	321.26	517.62	5.70	9949.10	8275.24
f-p2	SLE-R-21	Max M2	-17955.75	324.65	498.60	5.44	13634.13	8355.08
f-p2	SLE-R-21	Min M2	-19185.10	320.49	521.96	5.54	8964.01	8257.29
f-p2	SLE-R-21	Max M3	-18799.19	334.06	513.49	4.06	11330.12	8601.50
f-p2	SLE-R-21	Min M3	-18822.16	309.56	514.50	6.84	11206.64	7972.07
f-p2	SLE-R-22	Max P	-17422.45	320.40	504.29	5.55	12681.11	8247.54
f-p2	SLE-R-22	Min P	-19706.49	323.21	490.83	5.47	15467.13	8314.31
f-p2	SLE-R-22	Max M2	-19207.84	324.39	486.15	5.45	16417.87	8342.85
f-p2	SLE-R-22	Min M2	-17925.24	319.22	508.99	5.57	11730.47	8219.21

f-p2	SLE-R-22	Max M3	-18797.46	334.33	493.35	6.88	14149.49	8602.55
f-p2	SLE-R-22	Min M3	-18812.06	311.52	495.05	4.17	14086.19	8016.69
f-p2	SLE-R-23	Max P	-17404.01	361.18	-477.97	1.92	-11979.35	9199.28
f-p2	SLE-R-23	Min P	-19718.21	358.30	-463.30	2.28	-14711.91	9130.78
f-p2	SLE-R-23	Max M2	-17956.24	361.69	-482.32	2.02	-11026.88	9210.62
f-p2	SLE-R-23	Min M2	-19185.59	357.53	-458.95	2.12	-15697.00	9112.84
f-p2	SLE-R-23	Max M3	-18799.68	371.10	-467.43	0.64	-13330.89	9457.04
f-p2	SLE-R-23	Min M3	-18822.65	346.59	-466.42	3.42	-13454.37	8827.62
f-p2	SLE-R-24	Max P	-17422.95	357.43	-476.62	2.13	-11979.90	9103.08
f-p2	SLE-R-24	Min P	-19706.98	360.24	-490.08	2.05	-9193.88	9169.85
f-p2	SLE-R-24	Max M2	-19208.34	361.43	-494.77	2.03	-8243.14	9198.40
f-p2	SLE-R-24	Min M2	-17925.73	356.26	-471.93	2.16	-12930.54	9074.75
f-p2	SLE-R-24	Max M3	-18797.96	371.36	-487.56	3.46	-10511.52	9458.09
f-p2	SLE-R-24	Min M3	-18812.55	348.56	-485.86	0.76	-10574.82	8872.24
f-p2	SLE-R-25	Max P	-16975.24	325.51	503.15	5.35	12649.69	8378.86
f-p2	SLE-R-25	Min P	-19289.44	322.63	517.83	5.71	9917.13	8310.36
f-p2	SLE-R-25	Max M2	-17527.47	326.02	498.81	5.46	13602.16	8390.21
f-p2	SLE-R-25	Min M2	-18756.82	321.86	522.17	5.55	8932.03	8292.42
f-p2	SLE-R-25	Max M3	-18370.91	335.42	513.70	4.08	11298.14	8636.63
f-p2	SLE-R-25	Min M3	-18393.88	310.92	514.71	6.86	11174.67	8007.20
f-p2	SLE-R-26	Max P	-16994.17	321.76	504.50	5.57	12649.14	8282.66
f-p2	SLE-R-26	Min P	-19278.21	324.57	491.04	5.49	15435.16	8349.43
f-p2	SLE-R-26	Max M2	-18779.57	325.75	486.36	5.47	16385.90	8377.98
f-p2	SLE-R-26	Min M2	-17496.96	320.58	509.20	5.59	11698.49	8254.33
f-p2	SLE-R-26	Max M3	-18369.18	335.69	493.56	6.90	14117.52	8637.67
f-p2	SLE-R-26	Min M3	-18383.78	312.89	495.26	4.19	14054.22	8051.82
f-p2	SLE-R-27	Max P	-16975.73	362.54	-477.76	1.94	-12011.32	9234.40
f-p2	SLE-R-27	Min P	-19289.93	359.66	-463.09	2.30	-14743.88	9165.91
f-p2	SLE-R-27	Max M2	-17527.96	363.05	-482.11	2.04	-11058.85	9245.75
f-p2	SLE-R-27	Min M2	-18757.31	358.89	-458.75	2.14	-15728.98	9147.96
f-p2	SLE-R-27	Max M3	-18371.40	372.46	-467.22	0.66	-13362.86	9492.17
f-p2	SLE-R-27	Min M3	-18394.37	347.96	-466.21	3.44	-13486.34	8862.74
f-p2	SLE-R-28	Max P	-16994.67	358.80	-476.41	2.15	-12011.87	9138.21
f-p2	SLE-R-28	Min P	-19278.70	361.61	-489.87	2.07	-9225.85	9204.98
f-p2	SLE-R-28	Max M2	-18780.06	362.79	-494.56	2.05	-8275.11	9233.52
f-p2	SLE-R-28	Min M2	-17497.45	357.62	-471.72	2.17	-12962.52	9109.88
f-p2	SLE-R-28	Max M3	-18369.68	372.73	-487.35	3.48	-10543.49	9493.22
f-p2	SLE-R-28	Min M3	-18384.27	349.92	-485.65	0.77	-10606.79	8907.36
f-p2	SLE-R-29	Max P	-17345.71	324.11	502.89	5.31	12680.42	8342.85
f-p2	SLE-R-29	Min P	-19659.91	321.23	517.56	5.67	9947.86	8274.35
f-p2	SLE-R-29	Max M2	-17897.94	324.62	498.54	5.41	13632.89	8354.20
f-p2	SLE-R-29	Min M2	-19127.29	320.46	521.91	5.51	8962.77	8256.41
f-p2	SLE-R-29	Max M3	-18741.38	334.03	513.43	4.03	11328.88	8600.62
f-p2	SLE-R-29	Min M3	-18764.35	309.52	514.44	6.81	11205.40	7971.19
f-p2	SLE-R-30	Max P	-17364.64	320.36	504.24	5.52	12679.87	8246.65
f-p2	SLE-R-30	Min P	-19648.68	323.17	490.78	5.44	15465.89	8313.42
f-p2	SLE-R-30	Max M2	-19150.03	324.36	486.09	5.42	16416.63	8341.97
f-p2	SLE-R-30	Min M2	-17867.43	319.19	508.94	5.55	11729.22	8218.32
f-p2	SLE-R-30	Max M3	-18739.65	334.29	493.30	6.85	14148.25	8601.66
f-p2	SLE-R-30	Min M3	-18754.25	311.49	495.00	4.15	14084.95	8015.81
f-p2	SLE-R-31	Max P	-17346.20	361.14	-478.03	1.89	-11980.59	9198.39

f-p2	SLE-R-31	Min P	-19660.40	358.27	-463.35	2.25	-14713.15	9129.90
f-p2	SLE-R-31	Max M2	-17898.43	361.66	-482.37	1.99	-11028.12	9209.74
f-p2	SLE-R-31	Min M2	-19127.78	357.49	-459.01	2.09	-15698.24	9111.95
f-p2	SLE-R-31	Max M3	-18741.87	371.06	-467.48	0.61	-13332.13	9456.16
f-p2	SLE-R-31	Min M3	-18764.84	346.56	-466.47	3.39	-13455.61	8826.73
f-p2	SLE-R-32	Max P	-17365.14	357.40	-476.68	2.10	-11981.14	9102.20
f-p2	SLE-R-32	Min P	-19649.17	360.21	-490.14	2.02	-9195.12	9168.97
f-p2	SLE-R-32	Max M2	-19150.53	361.39	-494.82	2.00	-8244.38	9197.51
f-p2	SLE-R-32	Min M2	-17867.92	356.22	-471.98	2.13	-12931.78	9073.87
f-p2	SLE-R-32	Max M3	-18740.15	371.33	-487.62	3.43	-10512.76	9457.21
f-p2	SLE-R-32	Min M3	-18754.74	348.53	-485.92	0.73	-10576.06	8871.35
f-p2	SLE-R-33	Max P	-17040.26	-67.83	487.85	-2.24	12212.13	-1729.65
f-p2	SLE-R-33	Min P	-19354.45	-70.70	502.53	-1.88	9479.57	-1798.15
f-p2	SLE-R-33	Max M2	-17592.49	-67.31	483.51	-2.14	13164.60	-1718.30
f-p2	SLE-R-33	Min M2	-18821.84	-71.48	506.87	-2.04	8494.47	-1816.09
f-p2	SLE-R-33	Max M3	-18435.92	-57.91	498.40	-3.52	10860.59	-1471.88
f-p2	SLE-R-33	Min M3	-18458.89	-82.41	499.41	-0.74	10737.11	-2101.31
f-p2	SLE-R-34	Max P	-17059.19	-71.57	489.20	-2.03	12211.58	-1825.85
f-p2	SLE-R-34	Min P	-19343.22	-68.76	475.74	-2.11	14997.60	-1759.08
f-p2	SLE-R-34	Max M2	-18844.58	-67.58	471.06	-2.13	15948.34	-1730.53
f-p2	SLE-R-34	Min M2	-17561.98	-72.75	493.90	-2.01	11260.93	-1854.18
f-p2	SLE-R-34	Max M3	-18434.20	-57.64	478.26	-0.70	13679.96	-1470.84
f-p2	SLE-R-34	Min M3	-18448.79	-80.44	479.96	-3.40	13616.66	-2056.69
f-p2	SLE-R-35	Max P	-17040.75	-30.79	-493.06	-5.66	-12448.88	-874.11
f-p2	SLE-R-35	Min P	-19354.95	-33.67	-478.39	-5.30	-15181.44	-942.60
f-p2	SLE-R-35	Max M2	-17592.98	-30.28	-497.41	-5.56	-11496.41	-862.76
f-p2	SLE-R-35	Min M2	-18822.33	-34.44	-474.04	-5.46	-16166.54	-960.55
f-p2	SLE-R-35	Max M3	-18436.42	-20.87	-482.52	-6.94	-13800.42	-616.34
f-p2	SLE-R-35	Min M3	-18459.39	-45.37	-481.51	-4.16	-13923.90	-1245.77
f-p2	SLE-R-36	Max P	-17059.68	-34.54	-491.71	-5.45	-12449.43	-970.30
f-p2	SLE-R-36	Min P	-19343.72	-31.73	-505.17	-5.53	-9663.41	-903.53
f-p2	SLE-R-36	Max M2	-18845.08	-30.54	-509.86	-5.55	-8712.67	-874.99
f-p2	SLE-R-36	Min M2	-17562.47	-35.71	-487.02	-5.42	-13400.08	-998.63
f-p2	SLE-R-36	Max M3	-18434.69	-20.60	-502.65	-4.12	-10981.05	-615.29
f-p2	SLE-R-36	Min M3	-18449.29	-43.41	-500.95	-6.82	-11044.35	-1201.15
f-p2	SLE-R-37	Max P	-17410.73	-69.22	487.59	-2.29	12242.86	-1765.66
f-p2	SLE-R-37	Min P	-19724.92	-72.10	502.26	-1.93	9510.30	-1834.16
f-p2	SLE-R-37	Max M2	-17962.96	-68.71	483.24	-2.18	13195.33	-1754.31
f-p2	SLE-R-37	Min M2	-19192.31	-72.87	506.61	-2.09	8525.21	-1852.10
f-p2	SLE-R-37	Max M3	-18806.39	-59.30	498.13	-3.57	10891.32	-1507.89
f-p2	SLE-R-37	Min M3	-18829.36	-83.81	499.14	-0.79	10767.84	-2137.32
f-p2	SLE-R-38	Max P	-17429.66	-72.97	488.94	-2.08	12242.31	-1861.86
f-p2	SLE-R-38	Min P	-19713.69	-70.16	475.48	-2.16	15028.33	-1795.09
f-p2	SLE-R-38	Max M2	-19215.05	-68.98	470.79	-2.17	15979.07	-1766.54
f-p2	SLE-R-38	Min M2	-17932.44	-74.15	493.64	-2.05	11291.67	-1890.19
f-p2	SLE-R-38	Max M3	-18804.67	-59.04	478.00	-0.74	13710.69	-1506.85
f-p2	SLE-R-38	Min M3	-18819.26	-81.84	479.70	-3.45	13647.39	-2092.70
f-p2	SLE-R-39	Max P	-17411.22	-32.19	-493.33	-5.71	-12418.15	-910.12
f-p2	SLE-R-39	Min P	-19725.42	-35.07	-478.65	-5.35	-15150.71	-978.61
f-p2	SLE-R-39	Max M2	-17963.45	-31.68	-497.67	-5.60	-11465.68	-898.77
f-p2	SLE-R-39	Min M2	-19192.80	-35.84	-474.31	-5.51	-16135.80	-996.56

f-p2	SLE-R-39	Max M3	-18806.89	-22.27	-482.78	-6.98	-13769.69	-652.35
f-p2	SLE-R-39	Min M3	-18829.86	-46.77	-481.77	-4.20	-13893.17	-1281.78
f-p2	SLE-R-40	Max P	-17430.15	-35.93	-491.98	-5.49	-12418.70	-1006.31
f-p2	SLE-R-40	Min P	-19714.19	-33.12	-505.44	-5.57	-9632.68	-939.54
f-p2	SLE-R-40	Max M2	-19215.55	-31.94	-510.12	-5.59	-8681.94	-911.00
f-p2	SLE-R-40	Min M2	-17932.94	-37.11	-487.28	-5.47	-13369.34	-1034.64
f-p2	SLE-R-40	Max M3	-18805.16	-22.00	-502.91	-4.16	-10950.32	-651.30
f-p2	SLE-R-40	Min M3	-18819.76	-44.81	-501.22	-6.87	-11013.62	-1237.16
f-p2	SLE-R-41	Max P	-16982.45	-67.86	487.80	-2.27	12210.89	-1730.54
f-p2	SLE-R-41	Min P	-19296.64	-70.74	502.47	-1.91	9478.33	-1799.03
f-p2	SLE-R-41	Max M2	-17534.68	-67.35	483.45	-2.17	13163.36	-1719.19
f-p2	SLE-R-41	Min M2	-18764.03	-71.51	506.82	-2.07	8493.23	-1816.97
f-p2	SLE-R-41	Max M3	-18378.11	-57.94	498.34	-3.55	10859.34	-1472.77
f-p2	SLE-R-41	Min M3	-18401.08	-82.44	499.35	-0.77	10735.87	-2102.19
f-p2	SLE-R-42	Max P	-17001.38	-71.61	489.15	-2.06	12210.34	-1826.73
f-p2	SLE-R-42	Min P	-19285.41	-68.80	475.69	-2.14	14996.36	-1759.96
f-p2	SLE-R-42	Max M2	-18786.77	-67.61	471.00	-2.16	15947.10	-1731.41
f-p2	SLE-R-42	Min M2	-17504.17	-72.78	493.85	-2.03	11259.69	-1855.06
f-p2	SLE-R-42	Max M3	-18376.39	-57.67	478.21	-0.73	13678.72	-1471.72
f-p2	SLE-R-42	Min M3	-18390.98	-80.48	479.91	-3.43	13615.42	-2057.58
f-p2	SLE-R-43	Max P	-16982.94	-30.82	-493.12	-5.69	-12450.12	-874.99
f-p2	SLE-R-43	Min P	-19297.14	-33.70	-478.44	-5.33	-15182.68	-943.49
f-p2	SLE-R-43	Max M2	-17535.17	-30.31	-497.46	-5.59	-11497.65	-863.64
f-p2	SLE-R-43	Min M2	-18764.52	-34.47	-474.10	-5.49	-16167.78	-961.43
f-p2	SLE-R-43	Max M3	-18378.61	-20.91	-482.57	-6.97	-13801.66	-617.22
f-p2	SLE-R-43	Min M3	-18401.58	-45.41	-481.56	-4.19	-13925.14	-1246.65
f-p2	SLE-R-44	Max P	-17001.87	-34.57	-491.77	-5.48	-12450.67	-971.19
f-p2	SLE-R-44	Min P	-19285.91	-31.76	-505.23	-5.56	-9664.65	-904.42
f-p2	SLE-R-44	Max M2	-18787.27	-30.58	-509.91	-5.58	-8713.91	-875.87
f-p2	SLE-R-44	Min M2	-17504.66	-35.75	-487.07	-5.45	-13401.32	-999.52
f-p2	SLE-R-44	Max M3	-18376.88	-20.64	-502.71	-4.15	-10982.29	-616.18
f-p2	SLE-R-44	Min M3	-18391.48	-43.44	-501.01	-6.85	-11045.59	-1202.03
f-p2	SLE-R-45	Max P	-17352.92	-69.26	487.53	-2.32	12241.62	-1766.55
f-p2	SLE-R-45	Min P	-19667.11	-72.14	502.21	-1.96	9509.06	-1835.04
f-p2	SLE-R-45	Max M2	-17905.15	-68.75	483.19	-2.21	13194.09	-1755.20
f-p2	SLE-R-45	Min M2	-19134.50	-72.91	506.55	-2.12	8523.97	-1852.98
f-p2	SLE-R-45	Max M3	-18748.58	-59.34	498.08	-3.60	10890.08	-1508.78
f-p2	SLE-R-45	Min M3	-18771.55	-83.84	499.09	-0.81	10766.60	-2138.20
f-p2	SLE-R-46	Max P	-17371.85	-73.00	488.88	-2.11	12241.07	-1862.74
f-p2	SLE-R-46	Min P	-19655.88	-70.19	475.43	-2.18	15027.09	-1795.97
f-p2	SLE-R-46	Max M2	-19157.24	-69.01	470.74	-2.20	15977.83	-1767.42
f-p2	SLE-R-46	Min M2	-17874.64	-74.18	493.58	-2.08	11290.42	-1891.07
f-p2	SLE-R-46	Max M3	-18746.86	-59.07	477.95	-0.77	13709.45	-1507.73
f-p2	SLE-R-46	Min M3	-18761.45	-81.88	479.64	-3.48	13646.15	-2093.59
f-p2	SLE-R-47	Max P	-17353.41	-32.22	-493.38	-5.74	-12419.39	-911.00
f-p2	SLE-R-47	Min P	-19667.61	-35.10	-478.71	-5.38	-15151.95	-979.50
f-p2	SLE-R-47	Max M2	-17905.64	-31.71	-497.73	-5.63	-11466.92	-899.65
f-p2	SLE-R-47	Min M2	-19134.99	-35.87	-474.36	-5.54	-16137.04	-997.44
f-p2	SLE-R-47	Max M3	-18749.08	-22.30	-482.84	-7.01	-13770.93	-653.23
f-p2	SLE-R-47	Min M3	-18772.05	-46.81	-481.83	-4.23	-13894.41	-1282.66
f-p2	SLE-R-48	Max P	-17372.34	-35.97	-492.03	-5.52	-12419.94	-1007.20

f-p2	SLE-R-48	Min P	-19656.38	-33.16	-505.49	-5.60	-9633.92	-940.43
f-p2	SLE-R-48	Max M2	-19157.74	-31.97	-510.18	-5.62	-8683.18	-911.88
f-p2	SLE-R-48	Min M2	-17875.13	-37.14	-487.33	-5.50	-13370.58	-1035.53
f-p2	SLE-R-48	Max M3	-18747.35	-22.04	-502.97	-4.19	-10951.56	-652.19
f-p2	SLE-R-48	Min M3	-18761.95	-44.84	-501.27	-6.90	-11014.86	-1238.04
f-p2	SLE-R-49	Max P	-17036.48	126.30	524.46	-7.80	13264.80	3259.03
f-p2	SLE-R-49	Min P	-19350.68	123.42	539.13	-7.44	10532.25	3190.54
f-p2	SLE-R-49	Max M2	-17588.71	126.81	520.11	-7.70	14217.27	3270.38
f-p2	SLE-R-49	Min M2	-18818.06	122.65	543.47	-7.60	9547.15	3172.60
f-p2	SLE-R-49	Max M3	-18432.15	136.21	535.00	-9.08	11913.26	3516.80
f-p2	SLE-R-49	Min M3	-18455.12	111.71	536.01	-6.30	11789.78	2887.38
f-p2	SLE-R-50	Max P	-17055.41	122.55	525.81	-7.59	13264.26	3162.84
f-p2	SLE-R-50	Min P	-19339.45	125.36	512.35	-7.67	16050.28	3229.61
f-p2	SLE-R-50	Max M2	-18840.81	126.54	507.66	-7.69	17001.01	3258.16
f-p2	SLE-R-50	Min M2	-17558.20	121.37	530.50	-7.56	12313.61	3134.51
f-p2	SLE-R-50	Max M3	-18430.42	136.48	514.87	-6.26	14732.63	3517.85
f-p2	SLE-R-50	Min M3	-18445.02	113.68	516.57	-8.96	14669.33	2932.00
f-p2	SLE-R-51	Max P	-17036.98	163.33	-456.46	-11.22	-11396.21	4114.58
f-p2	SLE-R-51	Min P	-19351.17	160.45	-441.79	-10.86	-14128.76	4046.08
f-p2	SLE-R-51	Max M2	-17589.20	163.84	-460.80	-11.12	-10443.74	4125.93
f-p2	SLE-R-51	Min M2	-18818.55	159.68	-437.44	-11.02	-15113.86	4028.14
f-p2	SLE-R-51	Max M3	-18432.64	173.25	-445.91	-12.50	-12747.75	4372.35
f-p2	SLE-R-51	Min M3	-18455.61	148.75	-444.91	-9.72	-12871.23	3742.92
f-p2	SLE-R-52	Max P	-17055.91	159.59	-455.11	-11.01	-11396.75	4018.38
f-p2	SLE-R-52	Min P	-19339.94	162.40	-468.57	-11.09	-8610.73	4085.16
f-p2	SLE-R-52	Max M2	-18841.30	163.58	-473.26	-11.11	-7660.00	4113.70
f-p2	SLE-R-52	Min M2	-17558.69	158.41	-450.41	-10.98	-12347.40	3990.05
f-p2	SLE-R-52	Max M3	-18430.92	173.52	-466.05	-9.68	-9928.38	4373.40
f-p2	SLE-R-52	Min M3	-18445.51	150.71	-464.35	-12.38	-9991.68	3787.54
f-p2	SLE-R-53	Max P	-17406.95	124.90	524.19	-7.85	13295.53	3223.02
f-p2	SLE-R-53	Min P	-19721.15	122.02	538.87	-7.49	10562.98	3154.53
f-p2	SLE-R-53	Max M2	-17959.18	125.41	519.85	-7.74	14248.01	3234.37
f-p2	SLE-R-53	Min M2	-19188.53	121.25	543.21	-7.65	9577.88	3136.59
f-p2	SLE-R-53	Max M3	-18802.62	134.82	534.74	-9.12	11943.99	3480.79
f-p2	SLE-R-53	Min M3	-18825.59	110.31	535.75	-6.34	11820.52	2851.37
f-p2	SLE-R-54	Max P	-17425.88	121.15	525.54	-7.63	13294.99	3126.83
f-p2	SLE-R-54	Min P	-19709.92	123.96	512.08	-7.71	16081.01	3193.60
f-p2	SLE-R-54	Max M2	-19211.28	125.15	507.40	-7.73	17031.74	3222.15
f-p2	SLE-R-54	Min M2	-17928.67	119.98	530.24	-7.61	12344.34	3098.50
f-p2	SLE-R-54	Max M3	-18800.89	135.08	514.60	-6.30	14763.36	3481.84
f-p2	SLE-R-54	Min M3	-18815.49	112.28	516.30	-9.01	14700.06	2895.99
f-p2	SLE-R-55	Max P	-17407.44	161.93	-456.72	-11.26	-11365.48	4078.57
f-p2	SLE-R-55	Min P	-19721.64	159.06	-442.05	-10.91	-14098.03	4010.07
f-p2	SLE-R-55	Max M2	-17959.67	162.45	-461.07	-11.16	-10413.00	4089.92
f-p2	SLE-R-55	Min M2	-19189.02	158.28	-437.71	-11.07	-15083.13	3992.13
f-p2	SLE-R-55	Max M3	-18803.11	171.85	-446.18	-12.54	-12717.02	4336.34
f-p2	SLE-R-55	Min M3	-18826.08	147.35	-445.17	-9.76	-12840.49	3706.91
f-p2	SLE-R-56	Max P	-17426.38	158.19	-455.37	-11.05	-11366.02	3982.37
f-p2	SLE-R-56	Min P	-19710.41	161.00	-468.83	-11.13	-8580.00	4049.15
f-p2	SLE-R-56	Max M2	-19211.77	162.18	-473.52	-11.15	-7629.27	4077.69
f-p2	SLE-R-56	Min M2	-17929.16	157.01	-450.68	-11.03	-12316.67	3954.04

f-p2	SLE-R-56	Max M3	-18801.39	172.12	-466.31	-9.72	-9897.65	4337.39
f-p2	SLE-R-56	Min M3	-18815.98	149.32	-464.61	-12.43	-9960.95	3751.53
f-p2	SLE-R-57	Max P	-16978.67	126.26	524.40	-7.83	13263.56	3258.15
f-p2	SLE-R-57	Min P	-19292.87	123.38	539.08	-7.47	10531.00	3189.65
f-p2	SLE-R-57	Max M2	-17530.90	126.77	520.06	-7.73	14216.03	3269.50
f-p2	SLE-R-57	Min M2	-18760.25	122.61	543.42	-7.63	9545.91	3171.71
f-p2	SLE-R-57	Max M3	-18374.34	136.18	534.95	-9.11	11912.02	3515.92
f-p2	SLE-R-57	Min M3	-18397.31	111.68	535.96	-6.33	11788.54	2886.49
f-p2	SLE-R-58	Max P	-16997.60	122.52	525.75	-7.62	13263.01	3161.95
f-p2	SLE-R-58	Min P	-19281.64	125.33	512.29	-7.70	16049.03	3228.73
f-p2	SLE-R-58	Max M2	-18783.00	126.51	507.60	-7.72	16999.77	3257.27
f-p2	SLE-R-58	Min M2	-17500.39	121.34	530.45	-7.59	12312.37	3133.62
f-p2	SLE-R-58	Max M3	-18372.61	136.45	514.81	-6.29	14731.39	3516.97
f-p2	SLE-R-58	Min M3	-18387.21	113.64	516.51	-8.99	14668.09	2931.11
f-p2	SLE-R-59	Max P	-16979.17	163.30	-456.51	-11.25	-11397.45	4113.70
f-p2	SLE-R-59	Min P	-19293.36	160.42	-441.84	-10.89	-14130.01	4045.20
f-p2	SLE-R-59	Max M2	-17531.39	163.81	-460.86	-11.14	-10444.98	4125.04
f-p2	SLE-R-59	Min M2	-18760.74	159.65	-437.50	-11.05	-15115.10	4027.26
f-p2	SLE-R-59	Max M3	-18374.83	173.22	-445.97	-12.53	-12748.99	4371.46
f-p2	SLE-R-59	Min M3	-18397.80	148.71	-444.96	-9.74	-12872.47	3742.04
f-p2	SLE-R-60	Max P	-16998.10	159.55	-455.16	-11.04	-11397.99	4017.50
f-p2	SLE-R-60	Min P	-19282.13	162.36	-468.62	-11.11	-8611.98	4084.27
f-p2	SLE-R-60	Max M2	-18783.49	163.54	-473.31	-11.13	-7661.24	4112.82
f-p2	SLE-R-60	Min M2	-17500.88	158.38	-450.47	-11.01	-12348.64	3989.17
f-p2	SLE-R-60	Max M3	-18373.11	173.48	-466.10	-9.70	-9929.62	4372.51
f-p2	SLE-R-60	Min M3	-18387.70	150.68	-464.40	-12.41	-9992.92	3786.66
f-p2	SLE-R-61	Max P	-17349.14	124.86	524.14	-7.88	13294.29	3222.14
f-p2	SLE-R-61	Min P	-19663.34	121.99	538.81	-7.52	10561.74	3153.64
f-p2	SLE-R-61	Max M2	-17901.37	125.38	519.79	-7.77	14246.76	3233.49
f-p2	SLE-R-61	Min M2	-19130.72	121.21	543.16	-7.68	9576.64	3135.70
f-p2	SLE-R-61	Max M3	-18744.81	134.78	534.68	-9.15	11942.75	3479.91
f-p2	SLE-R-61	Min M3	-18767.78	110.28	535.69	-6.37	11819.28	2850.48
f-p2	SLE-R-62	Max P	-17368.07	121.12	525.49	-7.66	13293.75	3125.94
f-p2	SLE-R-62	Min P	-19652.11	123.93	512.03	-7.74	16079.77	3192.72
f-p2	SLE-R-62	Max M2	-19153.47	125.11	507.34	-7.76	17030.50	3221.26
f-p2	SLE-R-62	Min M2	-17870.86	119.94	530.18	-7.64	12343.10	3097.61
f-p2	SLE-R-62	Max M3	-18743.08	135.05	514.55	-6.33	14762.12	3480.96
f-p2	SLE-R-62	Min M3	-18757.68	112.25	516.25	-9.04	14698.82	2895.10
f-p2	SLE-R-63	Max P	-17349.63	161.90	-456.78	-11.29	-11366.72	4077.68
f-p2	SLE-R-63	Min P	-19663.83	159.02	-442.10	-10.93	-14099.27	4009.19
f-p2	SLE-R-63	Max M2	-17901.86	162.41	-461.12	-11.19	-10414.24	4089.03
f-p2	SLE-R-63	Min M2	-19131.21	158.25	-437.76	-11.09	-15084.37	3991.25
f-p2	SLE-R-63	Max M3	-18745.30	171.82	-446.23	-12.57	-12718.26	4335.45
f-p2	SLE-R-63	Min M3	-18768.27	147.32	-445.22	-9.79	-12841.73	3706.03
f-p2	SLE-R-64	Max P	-17368.57	158.15	-455.43	-11.08	-11367.26	3981.49
f-p2	SLE-R-64	Min P	-19652.60	160.96	-468.89	-11.16	-8581.24	4048.26
f-p2	SLE-R-64	Max M2	-19153.96	162.15	-473.57	-11.18	-7630.51	4076.81
f-p2	SLE-R-64	Min M2	-17871.35	156.98	-450.73	-11.06	-12317.91	3953.16
f-p2	SLE-R-64	Max M3	-18743.58	172.08	-466.37	-9.75	-9898.89	4336.50
f-p2	SLE-R-64	Min M3	-18758.17	149.28	-464.67	-12.46	-9962.19	3750.65
f-p2	SLE-R-65	Max P	-17036.30	129.83	452.78	-10.33	11203.43	3350.15

f-p2	SLE-R-65	Min P	-19350.50	126.95	467.45	-9.97	8470.88	3281.66
f-p2	SLE-R-65	Max M2	-17588.53	130.34	448.43	-10.23	12155.91	3361.50
f-p2	SLE-R-65	Min M2	-18817.88	126.18	471.80	-10.13	7485.78	3263.71
f-p2	SLE-R-65	Max M3	-18431.97	139.75	463.32	-11.61	9851.89	3607.92
f-p2	SLE-R-65	Min M3	-18454.94	115.24	464.33	-8.83	9728.42	2978.49
f-p2	SLE-R-66	Max P	-17055.24	126.08	454.13	-10.12	11202.89	3253.96
f-p2	SLE-R-66	Min P	-19339.27	128.89	440.67	-10.20	13988.91	3320.73
f-p2	SLE-R-66	Max M2	-18840.63	130.07	435.98	-10.22	14939.64	3349.27
f-p2	SLE-R-66	Min M2	-17558.02	124.91	458.82	-10.09	10252.24	3225.63
f-p2	SLE-R-66	Max M3	-18430.25	140.01	443.19	-8.79	12671.27	3608.97
f-p2	SLE-R-66	Min M3	-18444.84	117.21	444.89	-11.49	12607.97	3023.11
f-p2	SLE-R-67	Max P	-17036.80	166.86	-528.14	-13.75	-13457.58	4205.70
f-p2	SLE-R-67	Min P	-19350.99	163.98	-513.46	-13.39	-16190.13	4137.20
f-p2	SLE-R-67	Max M2	-17589.03	167.37	-532.48	-13.64	-12505.10	4217.04
f-p2	SLE-R-67	Min M2	-18818.38	163.21	-509.12	-13.55	-17175.23	4119.26
f-p2	SLE-R-67	Max M3	-18432.46	176.78	-517.59	-15.03	-14809.12	4463.46
f-p2	SLE-R-67	Min M3	-18455.43	152.28	-516.58	-12.24	-14932.59	3834.04
f-p2	SLE-R-68	Max P	-17055.73	163.12	-526.79	-13.54	-13458.12	4109.50
f-p2	SLE-R-68	Min P	-19339.76	165.93	-540.25	-13.61	-10672.10	4176.27
f-p2	SLE-R-68	Max M2	-18841.12	167.11	-544.94	-13.63	-9721.36	4204.82
f-p2	SLE-R-68	Min M2	-17558.51	161.94	-522.09	-13.51	-14408.77	4081.17
f-p2	SLE-R-68	Max M3	-18430.74	177.05	-537.73	-12.20	-11989.74	4464.51
f-p2	SLE-R-68	Min M3	-18445.33	154.24	-536.03	-14.91	-12053.04	3878.66
f-p2	SLE-R-69	Max P	-17406.77	128.43	452.51	-10.38	11234.17	3314.14
f-p2	SLE-R-69	Min P	-19720.97	125.55	467.19	-10.02	8501.61	3245.64
f-p2	SLE-R-69	Max M2	-17959.00	128.94	448.17	-10.27	12186.64	3325.49
f-p2	SLE-R-69	Min M2	-19188.35	124.78	471.53	-10.18	7516.51	3227.70
f-p2	SLE-R-69	Max M3	-18802.44	138.35	463.06	-11.65	9882.63	3571.91
f-p2	SLE-R-69	Min M3	-18825.41	113.85	464.07	-8.87	9759.15	2942.48
f-p2	SLE-R-70	Max P	-17425.71	124.68	453.86	-10.16	11233.62	3217.95
f-p2	SLE-R-70	Min P	-19709.74	127.49	440.40	-10.24	14019.64	3284.72
f-p2	SLE-R-70	Max M2	-19211.10	128.68	435.72	-10.26	14970.38	3313.26
f-p2	SLE-R-70	Min M2	-17928.49	123.51	458.56	-10.14	10282.97	3189.62
f-p2	SLE-R-70	Max M3	-18800.71	138.61	442.92	-8.83	12702.00	3572.96
f-p2	SLE-R-70	Min M3	-18815.31	115.81	444.62	-11.54	12638.70	2987.10
f-p2	SLE-R-71	Max P	-17407.27	165.46	-528.40	-13.79	-13426.84	4169.69
f-p2	SLE-R-71	Min P	-19721.46	162.59	-513.73	-13.43	-16159.40	4101.19
f-p2	SLE-R-71	Max M2	-17959.50	165.98	-532.75	-13.69	-12474.37	4181.03
f-p2	SLE-R-71	Min M2	-19188.84	161.81	-509.38	-13.59	-17144.50	4083.25
f-p2	SLE-R-71	Max M3	-18802.93	175.38	-517.86	-15.07	-14778.38	4427.45
f-p2	SLE-R-71	Min M3	-18825.90	150.88	-516.85	-12.29	-14901.86	3798.03
f-p2	SLE-R-72	Max P	-17426.20	161.72	-527.05	-13.58	-13427.39	4073.49
f-p2	SLE-R-72	Min P	-19710.23	164.53	-540.51	-13.66	-10641.37	4140.26
f-p2	SLE-R-72	Max M2	-19211.59	165.71	-545.20	-13.68	-9690.63	4168.81
f-p2	SLE-R-72	Min M2	-17928.98	160.54	-522.36	-13.56	-14378.04	4045.16
f-p2	SLE-R-72	Max M3	-18801.21	175.65	-537.99	-12.25	-11959.01	4428.50
f-p2	SLE-R-72	Min M3	-18815.80	152.85	-536.29	-14.96	-12022.31	3842.65
f-p2	SLE-R-73	Max P	-16978.49	129.79	452.72	-10.36	11202.19	3349.27
f-p2	SLE-R-73	Min P	-19292.69	126.91	467.40	-10.00	8469.64	3280.77
f-p2	SLE-R-73	Max M2	-17530.72	130.30	448.38	-10.25	12154.67	3360.62
f-p2	SLE-R-73	Min M2	-18760.07	126.14	471.74	-10.16	7484.54	3262.83

f-p2	SLE-R-73	Max M3	-18374.16	139.71	463.27	-11.64	9850.65	3607.03
f-p2	SLE-R-73	Min M3	-18397.13	115.21	464.28	-8.85	9727.18	2977.61
f-p2	SLE-R-74	Max P	-16997.43	126.05	454.07	-10.15	11201.65	3253.07
f-p2	SLE-R-74	Min P	-19281.46	128.86	440.61	-10.23	13987.67	3319.84
f-p2	SLE-R-74	Max M2	-18782.82	130.04	435.93	-10.24	14938.40	3348.39
f-p2	SLE-R-74	Min M2	-17500.21	124.87	458.77	-10.12	10251.00	3224.74
f-p2	SLE-R-74	Max M3	-18372.44	139.98	443.13	-8.81	12670.02	3608.08
f-p2	SLE-R-74	Min M3	-18387.03	117.17	444.83	-11.52	12606.73	3022.23
f-p2	SLE-R-75	Max P	-16978.99	166.83	-528.19	-13.78	-13458.82	4204.81
f-p2	SLE-R-75	Min P	-19293.18	163.95	-513.52	-13.42	-16191.37	4136.32
f-p2	SLE-R-75	Max M2	-17531.22	167.34	-532.54	-13.67	-12506.34	4216.16
f-p2	SLE-R-75	Min M2	-18760.57	163.18	-509.17	-13.58	-17176.47	4118.37
f-p2	SLE-R-75	Max M3	-18374.65	176.75	-517.65	-15.05	-14810.36	4462.58
f-p2	SLE-R-75	Min M3	-18397.62	152.24	-516.64	-12.27	-14933.83	3833.15
f-p2	SLE-R-76	Max P	-16997.92	163.08	-526.84	-13.56	-13459.36	4108.62
f-p2	SLE-R-76	Min P	-19281.95	165.89	-540.30	-13.64	-10673.34	4175.39
f-p2	SLE-R-76	Max M2	-18783.31	167.08	-544.99	-13.66	-9722.61	4203.93
f-p2	SLE-R-76	Min M2	-17500.70	161.91	-522.15	-13.54	-14410.01	4080.29
f-p2	SLE-R-76	Max M3	-18372.93	177.01	-537.78	-12.23	-11990.98	4463.63
f-p2	SLE-R-76	Min M3	-18387.52	154.21	-536.08	-14.94	-12054.28	3877.77
f-p2	SLE-R-77	Max P	-17348.96	128.39	452.46	-10.40	11232.93	3313.26
f-p2	SLE-R-77	Min P	-19663.16	125.52	467.13	-10.05	8500.37	3244.76
f-p2	SLE-R-77	Max M2	-17901.19	128.91	448.11	-10.30	12185.40	3324.61
f-p2	SLE-R-77	Min M2	-19130.54	124.74	471.48	-10.20	7515.27	3226.82
f-p2	SLE-R-77	Max M3	-18744.63	138.31	463.00	-11.68	9881.38	3571.02
f-p2	SLE-R-77	Min M3	-18767.60	113.81	464.01	-8.90	9757.91	2941.60
f-p2	SLE-R-78	Max P	-17367.90	124.65	453.81	-10.19	11232.38	3217.06
f-p2	SLE-R-78	Min P	-19651.93	127.46	440.35	-10.27	14018.40	3283.83
f-p2	SLE-R-78	Max M2	-19153.29	128.64	435.66	-10.29	14969.14	3312.38
f-p2	SLE-R-78	Min M2	-17870.68	123.47	458.51	-10.17	10281.73	3188.73
f-p2	SLE-R-78	Max M3	-18742.90	138.58	442.87	-8.86	12700.76	3572.07
f-p2	SLE-R-78	Min M3	-18757.50	115.78	444.57	-11.57	12637.46	2986.22
f-p2	SLE-R-79	Max P	-17349.46	165.43	-528.46	-13.82	-13428.08	4168.80
f-p2	SLE-R-79	Min P	-19663.65	162.55	-513.78	-13.46	-16160.64	4100.31
f-p2	SLE-R-79	Max M2	-17901.69	165.94	-532.80	-13.72	-12475.61	4180.15
f-p2	SLE-R-79	Min M2	-19131.03	161.78	-509.44	-13.62	-17145.74	4082.36
f-p2	SLE-R-79	Max M3	-18745.12	175.35	-517.91	-15.10	-14779.62	4426.57
f-p2	SLE-R-79	Min M3	-18768.09	150.85	-516.90	-12.32	-14903.10	3797.14
f-p2	SLE-R-80	Max P	-17368.39	161.68	-527.11	-13.61	-13428.63	4072.61
f-p2	SLE-R-80	Min P	-19652.42	164.49	-540.57	-13.69	-10642.61	4139.38
f-p2	SLE-R-80	Max M2	-19153.78	165.68	-545.25	-13.71	-9691.87	4167.92
f-p2	SLE-R-80	Min M2	-17871.17	160.51	-522.41	-13.59	-14379.28	4044.28
f-p2	SLE-R-80	Max M3	-18743.40	175.61	-538.05	-12.28	-11960.25	4427.62
f-p2	SLE-R-80	Min M3	-18757.99	152.81	-536.35	-14.99	-12023.55	3841.76
f-p2	SLE-R-81	Max P	-17036.50	115.66	822.59	2.70	20629.04	3017.96
f-p2	SLE-R-81	Min P	-19350.69	112.78	837.26	3.06	17896.48	2949.47
f-p2	SLE-R-81	Max M2	-17588.73	116.17	818.25	2.81	21581.51	3029.31
f-p2	SLE-R-81	Min M2	-18818.08	112.01	841.61	2.90	16911.38	2931.53
f-p2	SLE-R-81	Max M3	-18432.17	125.58	833.14	1.43	19277.50	3275.73
f-p2	SLE-R-81	Min M3	-18455.13	101.08	834.14	4.21	19154.02	2646.31
f-p2	SLE-R-82	Max P	-17055.43	111.91	823.94	2.92	20628.49	2921.77

f-p2	SLE-R-82	Min P	-19339.46	114.72	810.48	2.84	23414.51	2988.54
f-p2	SLE-R-82	Max M2	-18840.82	115.91	805.79	2.82	24365.25	3017.09
f-p2	SLE-R-82	Min M2	-17558.22	110.74	828.64	2.94	19677.84	2893.44
f-p2	SLE-R-82	Max M3	-18430.44	125.85	813.00	4.25	22096.87	3276.78
f-p2	SLE-R-82	Min M3	-18445.03	103.04	814.70	1.54	22033.57	2690.92
f-p2	SLE-R-83	Max P	-17037.32	177.38	-812.27	-2.99	-20472.65	4443.87
f-p2	SLE-R-83	Min P	-19351.52	174.51	-797.59	-2.63	-23205.20	4375.38
f-p2	SLE-R-83	Max M2	-17589.55	177.90	-816.61	-2.89	-19520.17	4455.22
f-p2	SLE-R-83	Min M2	-18818.90	173.74	-793.25	-2.79	-24190.30	4357.43
f-p2	SLE-R-83	Max M3	-18432.99	187.30	-801.72	-4.27	-21824.19	4701.64
f-p2	SLE-R-83	Min M3	-18455.96	162.80	-800.71	-1.49	-21947.66	4072.21
f-p2	SLE-R-84	Max P	-17056.25	173.64	-810.92	-2.78	-20473.19	4347.68
f-p2	SLE-R-84	Min P	-19340.29	176.45	-824.38	-2.86	-17687.17	4414.45
f-p2	SLE-R-84	Max M2	-18841.65	177.63	-829.06	-2.88	-16736.44	4442.99
f-p2	SLE-R-84	Min M2	-17559.04	172.46	-806.22	-2.76	-21423.84	4319.35
f-p2	SLE-R-84	Max M3	-18431.26	187.57	-821.86	-1.45	-19004.81	4702.69
f-p2	SLE-R-84	Min M3	-18445.86	164.77	-820.16	-4.16	-19068.11	4116.83
f-p2	SLE-R-85	Max P	-17406.97	114.26	822.33	2.66	20659.77	2981.95
f-p2	SLE-R-85	Min P	-19721.16	111.38	837.00	3.02	17927.21	2913.46
f-p2	SLE-R-85	Max M2	-17959.20	114.77	817.98	2.76	21612.24	2993.30
f-p2	SLE-R-85	Min M2	-19188.55	110.61	841.34	2.86	16942.12	2895.52
f-p2	SLE-R-85	Max M3	-18802.63	124.18	832.87	1.38	19308.23	3239.72
f-p2	SLE-R-85	Min M3	-18825.60	99.68	833.88	4.16	19184.75	2610.30
f-p2	SLE-R-86	Max P	-17425.90	110.51	823.68	2.87	20659.22	2885.76
f-p2	SLE-R-86	Min P	-19709.93	113.33	810.22	2.79	23445.24	2952.53
f-p2	SLE-R-86	Max M2	-19211.29	114.51	805.53	2.77	24395.98	2981.07
f-p2	SLE-R-86	Min M2	-17928.69	109.34	828.37	2.90	19708.58	2857.43
f-p2	SLE-R-86	Max M3	-18800.91	124.45	812.74	4.20	22127.60	3240.77
f-p2	SLE-R-86	Min M3	-18815.50	101.64	814.44	1.50	22064.30	2654.91
f-p2	SLE-R-87	Max P	-17407.79	175.99	-812.53	-3.04	-20441.91	4407.86
f-p2	SLE-R-87	Min P	-19721.99	173.11	-797.86	-2.68	-23174.47	4339.37
f-p2	SLE-R-87	Max M2	-17960.02	176.50	-816.88	-2.93	-19489.44	4419.21
f-p2	SLE-R-87	Min M2	-19189.37	172.34	-793.51	-2.84	-24159.57	4321.42
f-p2	SLE-R-87	Max M3	-18803.46	185.91	-801.99	-4.32	-21793.45	4665.63
f-p2	SLE-R-87	Min M3	-18826.43	161.40	-800.98	-1.54	-21916.93	4036.20
f-p2	SLE-R-88	Max P	-17426.72	172.24	-811.18	-2.83	-20442.46	4311.67
f-p2	SLE-R-88	Min P	-19710.76	175.05	-824.64	-2.91	-17656.44	4378.44
f-p2	SLE-R-88	Max M2	-19212.11	176.23	-829.33	-2.92	-16705.70	4406.98
f-p2	SLE-R-88	Min M2	-17929.51	171.07	-806.49	-2.80	-21393.11	4283.34
f-p2	SLE-R-88	Max M3	-18801.73	186.17	-822.12	-1.50	-18974.08	4666.68
f-p2	SLE-R-88	Min M3	-18816.33	163.37	-820.42	-4.20	-19037.38	4080.82
f-p2	SLE-R-89	Max P	-16978.69	115.62	822.54	2.68	20627.80	3017.08
f-p2	SLE-R-89	Min P	-19292.88	112.75	837.21	3.03	17895.24	2948.58
f-p2	SLE-R-89	Max M2	-17530.92	116.14	818.19	2.78	21580.27	3028.43
f-p2	SLE-R-89	Min M2	-18760.27	111.97	841.55	2.88	16910.14	2930.64
f-p2	SLE-R-89	Max M3	-18374.36	125.54	833.08	1.40	19276.26	3274.85
f-p2	SLE-R-89	Min M3	-18397.32	101.04	834.09	4.18	19152.78	2645.42
f-p2	SLE-R-90	Max P	-16997.62	111.88	823.89	2.89	20627.25	2920.88
f-p2	SLE-R-90	Min P	-19281.65	114.69	810.43	2.81	23413.27	2987.66
f-p2	SLE-R-90	Max M2	-18783.01	115.87	805.74	2.79	24364.01	3016.20
f-p2	SLE-R-90	Min M2	-17500.41	110.70	828.58	2.91	19676.60	2892.55

f-p2	SLE-R-90	Max M3	-18372.63	125.81	812.95	4.22	22095.63	3275.90
f-p2	SLE-R-90	Min M3	-18387.22	103.01	814.65	1.51	22032.33	2690.04
f-p2	SLE-R-91	Max P	-16979.51	177.35	-812.32	-3.02	-20473.89	4442.99
f-p2	SLE-R-91	Min P	-19293.71	174.47	-797.65	-2.66	-23206.44	4374.49
f-p2	SLE-R-91	Max M2	-17531.74	177.86	-816.67	-2.92	-19521.41	4454.34
f-p2	SLE-R-91	Min M2	-18761.09	173.70	-793.30	-2.82	-24191.54	4356.55
f-p2	SLE-R-91	Max M3	-18375.18	187.27	-801.78	-4.30	-21825.43	4700.76
f-p2	SLE-R-91	Min M3	-18398.15	162.77	-800.77	-1.52	-21948.90	4071.33
f-p2	SLE-R-92	Max P	-16998.44	173.60	-810.97	-2.81	-20474.43	4346.79
f-p2	SLE-R-92	Min P	-19282.48	176.42	-824.43	-2.89	-17688.41	4413.56
f-p2	SLE-R-92	Max M2	-18783.84	177.60	-829.12	-2.91	-16737.68	4442.11
f-p2	SLE-R-92	Min M2	-17501.23	172.43	-806.28	-2.78	-21425.08	4318.46
f-p2	SLE-R-92	Max M3	-18373.45	187.54	-821.91	-1.48	-19006.05	4701.80
f-p2	SLE-R-92	Min M3	-18388.05	164.73	-820.21	-4.18	-19069.35	4115.95
f-p2	SLE-R-93	Max P	-17349.16	114.23	822.27	2.63	20658.53	2981.07
f-p2	SLE-R-93	Min P	-19663.35	111.35	836.95	2.99	17925.97	2912.57
f-p2	SLE-R-93	Max M2	-17901.39	114.74	817.93	2.73	21611.00	2992.42
f-p2	SLE-R-93	Min M2	-19130.74	110.58	841.29	2.83	16940.88	2894.63
f-p2	SLE-R-93	Max M3	-18744.82	124.14	832.82	1.35	19306.99	3238.84
f-p2	SLE-R-93	Min M3	-18767.79	99.64	833.83	4.13	19183.51	2609.41
f-p2	SLE-R-94	Max P	-17368.09	110.48	823.62	2.84	20657.98	2884.87
f-p2	SLE-R-94	Min P	-19652.12	113.29	810.16	2.76	23444.00	2951.65
f-p2	SLE-R-94	Max M2	-19153.48	114.47	805.47	2.74	24394.74	2980.19
f-p2	SLE-R-94	Min M2	-17870.88	109.30	828.32	2.87	19707.34	2856.54
f-p2	SLE-R-94	Max M3	-18743.10	124.41	812.68	4.17	22126.36	3239.89
f-p2	SLE-R-94	Min M3	-18757.69	101.61	814.38	1.47	22063.06	2654.03
f-p2	SLE-R-95	Max P	-17349.98	175.95	-812.59	-3.07	-20443.15	4406.98
f-p2	SLE-R-95	Min P	-19664.18	173.07	-797.91	-2.71	-23175.71	4338.48
f-p2	SLE-R-95	Max M2	-17902.21	176.46	-816.93	-2.96	-19490.68	4418.33
f-p2	SLE-R-95	Min M2	-19131.56	172.30	-793.57	-2.87	-24160.81	4320.54
f-p2	SLE-R-95	Max M3	-18745.65	185.87	-802.04	-4.35	-21794.70	4664.74
f-p2	SLE-R-95	Min M3	-18768.62	161.37	-801.03	-1.56	-21918.17	4035.32
f-p2	SLE-R-96	Max P	-17368.91	172.21	-811.24	-2.86	-20443.70	4310.78
f-p2	SLE-R-96	Min P	-19652.95	175.02	-824.70	-2.93	-17657.68	4377.55
f-p2	SLE-R-96	Max M2	-19154.30	176.20	-829.38	-2.95	-16706.94	4406.10
f-p2	SLE-R-96	Min M2	-17871.70	171.03	-806.54	-2.83	-21394.35	4282.45
f-p2	SLE-R-96	Max M3	-18743.92	186.14	-822.17	-1.52	-18975.32	4665.79
f-p2	SLE-R-96	Min M3	-18758.52	163.33	-820.48	-4.23	-19038.62	4079.94
f-p2	SLE-R-97	Max P	-17055.91	226.40	499.39	1.49	12528.25	5808.61
f-p2	SLE-R-97	Min P	-19370.10	223.52	514.06	1.85	9795.70	5740.11
f-p2	SLE-R-97	Max M2	-17608.14	226.91	495.04	1.59	13480.73	5819.96
f-p2	SLE-R-97	Min M2	-18837.49	222.75	518.40	1.69	8810.60	5722.17
f-p2	SLE-R-97	Max M3	-18451.58	236.32	509.93	0.21	11176.71	6066.38
f-p2	SLE-R-97	Min M3	-18474.54	211.81	510.94	2.99	11053.24	5436.95
f-p2	SLE-R-98	Max P	-17074.84	222.65	500.74	1.70	12527.71	5712.41
f-p2	SLE-R-98	Min P	-19358.87	225.46	487.28	1.62	15313.73	5779.18
f-p2	SLE-R-98	Max M2	-18860.23	226.64	482.59	1.60	16264.46	5807.73
f-p2	SLE-R-98	Min M2	-17577.63	221.48	505.43	1.72	11577.06	5684.08
f-p2	SLE-R-98	Max M3	-18449.85	236.58	489.80	3.03	13996.09	6067.42
f-p2	SLE-R-98	Min M3	-18464.44	213.78	491.50	0.32	13932.79	5481.57
f-p2	SLE-R-99	Max P	-17056.40	263.43	-481.53	-1.93	-12132.76	6664.15

f-p2	SLE-R-99	Min P	-19370.60	260.55	-466.86	-1.57	-14865.31	6595.66
f-p2	SLE-R-99	Max M2	-17608.63	263.95	-485.87	-1.83	-11180.28	6675.50
f-p2	SLE-R-99	Min M2	-18837.98	259.78	-462.51	-1.73	-15850.41	6577.71
f-p2	SLE-R-99	Max M3	-18452.07	273.35	-470.98	-3.21	-13484.30	6921.92
f-p2	SLE-R-99	Min M3	-18475.04	248.85	-469.97	-0.43	-13607.77	6292.49
f-p2	SLE-R-100	Max P	-17075.33	259.69	-480.18	-1.72	-12133.30	6567.96
f-p2	SLE-R-100	Min P	-19359.37	262.50	-493.64	-1.80	-9347.28	6634.73
f-p2	SLE-R-100	Max M2	-18860.73	263.68	-498.33	-1.82	-8396.55	6663.27
f-p2	SLE-R-100	Min M2	-17578.12	258.51	-475.48	-1.69	-13083.95	6539.63
f-p2	SLE-R-100	Max M3	-18450.34	273.62	-491.12	-0.39	-10664.92	6922.97
f-p2	SLE-R-100	Min M3	-18464.94	250.82	-489.42	-3.09	-10728.22	6337.11
f-p2	SLE-R-101	Max P	-17426.38	225.00	499.12	1.44	12558.99	5772.60
f-p2	SLE-R-101	Min P	-19740.57	222.12	513.80	1.80	9826.43	5704.10
f-p2	SLE-R-101	Max M2	-17978.61	225.51	494.78	1.54	13511.46	5783.95
f-p2	SLE-R-101	Min M2	-19207.96	221.35	518.14	1.64	8841.33	5686.16
f-p2	SLE-R-101	Max M3	-18822.05	234.92	509.67	0.16	11207.44	6030.37
f-p2	SLE-R-101	Min M3	-18845.01	210.42	510.68	2.94	11083.97	5400.94
f-p2	SLE-R-102	Max P	-17445.31	221.25	500.47	1.65	12558.44	5676.40
f-p2	SLE-R-102	Min P	-19729.34	224.06	487.01	1.57	15344.46	5743.17
f-p2	SLE-R-102	Max M2	-19230.70	225.25	482.33	1.55	16295.20	5771.72
f-p2	SLE-R-102	Min M2	-17948.10	220.08	505.17	1.68	11607.79	5648.07
f-p2	SLE-R-102	Max M3	-18820.32	235.18	489.53	2.98	14026.82	6031.41
f-p2	SLE-R-102	Min M3	-18834.91	212.38	491.23	0.28	13963.52	5445.56
f-p2	SLE-R-103	Max P	-17426.87	262.03	-481.79	-1.98	-12102.02	6628.14
f-p2	SLE-R-103	Min P	-19741.07	259.16	-467.12	-1.62	-14834.58	6559.65
f-p2	SLE-R-103	Max M2	-17979.10	262.55	-486.14	-1.87	-11149.55	6639.49
f-p2	SLE-R-103	Min M2	-19208.45	258.38	-462.78	-1.78	-15819.68	6541.70
f-p2	SLE-R-103	Max M3	-18822.54	271.95	-471.25	-3.26	-13453.56	6885.91
f-p2	SLE-R-103	Min M3	-18845.51	247.45	-470.24	-0.47	-13577.04	6256.48
f-p2	SLE-R-104	Max P	-17445.80	258.29	-480.44	-1.77	-12102.57	6531.95
f-p2	SLE-R-104	Min P	-19729.84	261.10	-493.90	-1.85	-9316.55	6598.72
f-p2	SLE-R-104	Max M2	-19231.20	262.28	-498.59	-1.86	-8365.81	6627.26
f-p2	SLE-R-104	Min M2	-17948.59	257.11	-475.75	-1.74	-13053.22	6503.62
f-p2	SLE-R-104	Max M3	-18820.81	272.22	-491.38	-0.43	-10634.19	6886.96
f-p2	SLE-R-104	Min M3	-18835.41	249.42	-489.68	-3.14	-10697.49	6301.10
f-p2	SLE-R-105	Max P	-16959.56	226.34	499.30	1.44	12526.19	5807.13
f-p2	SLE-R-105	Min P	-19273.75	223.46	513.97	1.80	9793.63	5738.64
f-p2	SLE-R-105	Max M2	-17511.79	226.85	494.95	1.54	13478.66	5818.48
f-p2	SLE-R-105	Min M2	-18741.14	222.69	518.31	1.64	8808.53	5720.70
f-p2	SLE-R-105	Max M3	-18355.23	236.26	509.84	0.16	11174.64	6064.90
f-p2	SLE-R-105	Min M3	-18378.19	211.76	510.85	2.94	11051.17	5435.48
f-p2	SLE-R-106	Max P	-16978.49	222.59	500.65	1.65	12525.64	5710.94
f-p2	SLE-R-106	Min P	-19262.52	225.40	487.19	1.57	15311.66	5777.71
f-p2	SLE-R-106	Max M2	-18763.88	226.59	482.50	1.55	16262.40	5806.26
f-p2	SLE-R-106	Min M2	-17481.28	221.42	505.34	1.68	11574.99	5682.61
f-p2	SLE-R-106	Max M3	-18353.50	236.53	489.71	2.98	13994.02	6065.95
f-p2	SLE-R-106	Min M3	-18368.09	213.72	491.41	0.28	13930.72	5480.09
f-p2	SLE-R-107	Max P	-16960.05	263.37	-481.62	-1.98	-12134.82	6662.68
f-p2	SLE-R-107	Min P	-19274.25	260.50	-466.95	-1.62	-14867.38	6594.18
f-p2	SLE-R-107	Max M2	-17512.28	263.89	-485.96	-1.88	-11182.35	6674.03
f-p2	SLE-R-107	Min M2	-18741.63	259.73	-462.60	-1.78	-15852.48	6576.24

f-p2	SLE-R-107	Max M3	-18355.72	273.29	-471.08	-3.26	-13486.36	6920.45
f-p2	SLE-R-107	Min M3	-18378.69	248.79	-470.07	-0.48	-13609.84	6291.02
f-p2	SLE-R-108	Max P	-16978.98	259.63	-480.27	-1.77	-12135.37	6566.48
f-p2	SLE-R-108	Min P	-19263.02	262.44	-493.73	-1.85	-9349.35	6633.25
f-p2	SLE-R-108	Max M2	-18764.38	263.62	-498.42	-1.87	-8398.61	6661.80
f-p2	SLE-R-108	Min M2	-17481.77	258.45	-475.57	-1.74	-13086.02	6538.15
f-p2	SLE-R-108	Max M3	-18353.99	273.56	-491.21	-0.44	-10666.99	6921.49
f-p2	SLE-R-108	Min M3	-18368.59	250.76	-489.51	-3.14	-10730.29	6335.64
f-p2	SLE-R-109	Max P	-17330.03	224.94	499.03	1.39	12556.92	5771.12
f-p2	SLE-R-109	Min P	-19644.22	222.06	513.70	1.75	9824.36	5702.63
f-p2	SLE-R-109	Max M2	-17882.26	225.45	494.69	1.50	13509.39	5782.47
f-p2	SLE-R-109	Min M2	-19111.61	221.29	518.05	1.59	8839.26	5684.69
f-p2	SLE-R-109	Max M3	-18725.70	234.86	509.58	0.11	11205.38	6028.89
f-p2	SLE-R-109	Min M3	-18748.66	210.36	510.59	2.90	11081.90	5399.47
f-p2	SLE-R-110	Max P	-17348.96	221.19	500.38	1.60	12556.37	5674.93
f-p2	SLE-R-110	Min P	-19632.99	224.01	486.92	1.53	15342.39	5741.70
f-p2	SLE-R-110	Max M2	-19134.35	225.19	482.23	1.51	16293.13	5770.25
f-p2	SLE-R-110	Min M2	-17851.75	220.02	505.08	1.63	11605.72	5646.60
f-p2	SLE-R-110	Max M3	-18723.97	235.13	489.44	2.94	14024.75	6029.94
f-p2	SLE-R-110	Min M3	-18738.56	212.32	491.14	0.23	13961.45	5444.08
f-p2	SLE-R-111	Max P	-17330.52	261.98	-481.88	-2.03	-12104.09	6626.67
f-p2	SLE-R-111	Min P	-19644.72	259.10	-467.21	-1.67	-14836.65	6558.17
f-p2	SLE-R-111	Max M2	-17882.75	262.49	-486.23	-1.92	-11151.62	6638.02
f-p2	SLE-R-111	Min M2	-19112.10	258.33	-462.87	-1.83	-15821.74	6540.23
f-p2	SLE-R-111	Max M3	-18726.19	271.90	-471.34	-3.30	-13455.63	6884.44
f-p2	SLE-R-111	Min M3	-18749.16	247.39	-470.33	-0.52	-13579.11	6255.01
f-p2	SLE-R-112	Max P	-17349.45	258.23	-480.53	-1.81	-12104.64	6530.47
f-p2	SLE-R-112	Min P	-19633.49	261.04	-493.99	-1.89	-9318.62	6597.24
f-p2	SLE-R-112	Max M2	-19134.85	262.22	-498.68	-1.91	-8367.88	6625.79
f-p2	SLE-R-112	Min M2	-17852.24	257.05	-475.84	-1.79	-13055.28	6502.14
f-p2	SLE-R-112	Max M3	-18724.46	272.16	-491.47	-0.48	-10636.26	6885.48
f-p2	SLE-R-112	Min M3	-18739.06	249.36	-489.77	-3.19	-10699.56	6299.63
f-p2	SLE-R-113	Max P	-16789.21	-162.86	483.16	1.71	12129.94	-4102.56
f-p2	SLE-R-113	Min P	-21361.85	-167.54	513.30	2.34	6914.57	-4212.34
f-p2	SLE-R-113	Max M2	-17948.06	-161.38	473.23	1.98	14147.76	-4068.36
f-p2	SLE-R-113	Min M2	-20229.33	-169.37	523.23	2.00	4853.25	-4255.31
f-p2	SLE-R-113	Max M3	-19380.76	-143.31	502.12	-0.55	9576.81	-3594.73
f-p2	SLE-R-113	Min M3	-19437.11	-189.47	504.25	4.42	9342.36	-4780.69
f-p2	SLE-R-114	Max P	-16825.13	-168.57	485.83	2.14	12146.56	-4249.29
f-p2	SLE-R-114	Min P	-21334.74	-163.61	457.64	2.06	17433.40	-4132.17
f-p2	SLE-R-114	Max M2	-20287.28	-161.06	447.21	2.05	19453.37	-4070.60
f-p2	SLE-R-114	Min M2	-17878.49	-171.11	496.27	2.16	10126.71	-4310.48
f-p2	SLE-R-114	Max M3	-19399.38	-143.08	465.63	4.54	14927.65	-3599.84
f-p2	SLE-R-114	Min M3	-19401.26	-186.10	468.88	-0.29	14768.89	-4705.09
f-p2	SLE-R-115	Max P	-16789.70	-125.83	-497.75	-1.71	-12531.07	-3247.02
f-p2	SLE-R-115	Min P	-21362.34	-130.50	-467.61	-1.08	-17746.44	-3356.80
f-p2	SLE-R-115	Max M2	-17948.55	-124.34	-507.68	-1.44	-10513.25	-3212.82
f-p2	SLE-R-115	Min M2	-20229.83	-132.33	-457.68	-1.42	-19807.76	-3399.77
f-p2	SLE-R-115	Max M3	-19381.25	-106.27	-478.80	-3.97	-15084.20	-2739.19
f-p2	SLE-R-115	Min M3	-19437.61	-152.44	-476.67	1.01	-15318.65	-3925.15
f-p2	SLE-R-116	Max P	-16825.63	-131.54	-495.09	-1.28	-12514.45	-3393.74

f-p2	SLE-R-116	Min P	-21335.23	-126.57	-523.27	-1.35	-7227.60	-3276.63
f-p2	SLE-R-116	Max M2	-20287.78	-124.02	-533.70	-1.37	-5207.64	-3215.06
f-p2	SLE-R-116	Min M2	-17878.99	-134.07	-484.65	-1.26	-14534.30	-3454.94
f-p2	SLE-R-116	Max M3	-19399.87	-106.04	-515.29	1.12	-9733.36	-2744.30
f-p2	SLE-R-116	Min M3	-19401.75	-149.07	-512.03	-3.71	-9892.12	-3849.54
f-p2	SLE-R-117	Max P	-17159.68	-164.26	482.90	1.66	12160.67	-4138.57
f-p2	SLE-R-117	Min P	-21732.32	-168.94	513.04	2.29	6945.30	-4248.35
f-p2	SLE-R-117	Max M2	-18318.53	-162.77	472.97	1.93	14178.49	-4104.37
f-p2	SLE-R-117	Min M2	-20599.80	-170.77	522.97	1.95	4883.98	-4291.32
f-p2	SLE-R-117	Max M3	-19751.23	-144.71	501.85	-0.60	9607.54	-3630.74
f-p2	SLE-R-117	Min M3	-19807.58	-190.87	503.98	4.38	9373.09	-4816.71
f-p2	SLE-R-118	Max P	-17195.60	-169.97	485.56	2.09	12177.29	-4285.30
f-p2	SLE-R-118	Min P	-21705.21	-165.01	457.38	2.02	17464.14	-4168.18
f-p2	SLE-R-118	Max M2	-20657.75	-162.46	446.95	2.00	19484.10	-4106.61
f-p2	SLE-R-118	Min M2	-18248.96	-172.51	496.00	2.11	10157.44	-4346.49
f-p2	SLE-R-118	Max M3	-19769.85	-144.48	465.36	4.49	14958.38	-3635.85
f-p2	SLE-R-118	Min M3	-19771.73	-187.50	468.62	-0.33	14799.62	-4741.10
f-p2	SLE-R-119	Max P	-17160.17	-127.22	-498.02	-1.75	-12500.34	-3283.03
f-p2	SLE-R-119	Min P	-21732.81	-131.90	-467.88	-1.12	-17715.71	-3392.81
f-p2	SLE-R-119	Max M2	-18319.02	-125.74	-507.95	-1.49	-10482.52	-3248.83
f-p2	SLE-R-119	Min M2	-20600.30	-133.73	-457.95	-1.46	-19777.03	-3435.78
f-p2	SLE-R-119	Max M3	-19751.72	-107.67	-479.06	-4.02	-15053.47	-2775.20
f-p2	SLE-R-119	Min M3	-19808.08	-153.84	-476.93	0.96	-15287.92	-3961.16
f-p2	SLE-R-120	Max P	-17196.09	-132.94	-495.35	-1.33	-12483.72	-3429.75
f-p2	SLE-R-120	Min P	-21705.70	-127.97	-523.54	-1.40	-7196.87	-3312.64
f-p2	SLE-R-120	Max M2	-20658.25	-125.42	-533.97	-1.41	-5176.91	-3251.07
f-p2	SLE-R-120	Min M2	-18249.46	-135.47	-484.91	-1.31	-14503.57	-3490.95
f-p2	SLE-R-120	Max M3	-19770.34	-107.44	-515.55	1.07	-9702.63	-2780.31
f-p2	SLE-R-120	Min M3	-19772.22	-150.46	-512.30	-3.75	-9861.39	-3885.55
f-p2	SLE-R-121	Max P	-16731.40	-162.90	483.11	1.68	12128.70	-4103.45
f-p2	SLE-R-121	Min P	-21304.04	-167.57	513.25	2.31	6913.33	-4213.22
f-p2	SLE-R-121	Max M2	-17890.25	-161.41	473.18	1.95	14146.52	-4069.25
f-p2	SLE-R-121	Min M2	-20171.52	-169.40	523.18	1.97	4852.01	-4256.20
f-p2	SLE-R-121	Max M3	-19322.95	-143.34	502.06	-0.58	9575.57	-3595.62
f-p2	SLE-R-121	Min M3	-19379.30	-189.51	504.19	4.40	9341.12	-4781.58
f-p2	SLE-R-122	Max P	-16767.32	-168.61	485.77	2.11	12145.31	-4250.17
f-p2	SLE-R-122	Min P	-21276.93	-163.64	457.59	2.04	17432.16	-4133.06
f-p2	SLE-R-122	Max M2	-20229.47	-161.09	447.16	2.02	19452.13	-4071.49
f-p2	SLE-R-122	Min M2	-17820.68	-171.14	496.21	2.13	10125.47	-4311.37
f-p2	SLE-R-122	Max M3	-19341.57	-143.11	465.57	4.51	14926.41	-3600.73
f-p2	SLE-R-122	Min M3	-19343.45	-186.14	468.83	-0.32	14767.65	-4705.97
f-p2	SLE-R-123	Max P	-16731.89	-125.86	-497.81	-1.74	-12532.31	-3247.90
f-p2	SLE-R-123	Min P	-21304.53	-130.54	-467.67	-1.11	-17747.68	-3357.68
f-p2	SLE-R-123	Max M2	-17890.74	-124.37	-507.74	-1.47	-10514.49	-3213.70
f-p2	SLE-R-123	Min M2	-20172.02	-132.37	-457.74	-1.45	-19809.00	-3400.65
f-p2	SLE-R-123	Max M3	-19323.44	-106.31	-478.85	-4.00	-15085.44	-2740.07
f-p2	SLE-R-123	Min M3	-19379.80	-152.47	-476.72	0.98	-15319.89	-3926.03
f-p2	SLE-R-124	Max P	-16767.82	-131.57	-495.14	-1.31	-12515.69	-3394.63
f-p2	SLE-R-124	Min P	-21277.42	-126.61	-523.33	-1.38	-7228.85	-3277.51
f-p2	SLE-R-124	Max M2	-20229.97	-124.06	-533.76	-1.40	-5208.88	-3215.94
f-p2	SLE-R-124	Min M2	-17821.18	-134.11	-484.70	-1.29	-14535.54	-3455.82

f-p2	SLE-R-124	Max M3	-19342.06	-106.08	-515.34	1.09	-9734.60	-2745.18
f-p2	SLE-R-124	Min M3	-19343.94	-149.10	-512.09	-3.73	-9893.36	-3850.43
f-p2	SLE-R-125	Max P	-17101.87	-164.29	482.84	1.64	12159.43	-4139.46
f-p2	SLE-R-125	Min P	-21674.51	-168.97	512.98	2.26	6944.06	-4249.24
f-p2	SLE-R-125	Max M2	-18260.72	-162.81	472.91	1.90	14177.25	-4105.26
f-p2	SLE-R-125	Min M2	-20541.99	-170.80	522.91	1.93	4882.74	-4292.21
f-p2	SLE-R-125	Max M3	-19693.42	-144.74	501.80	-0.63	9606.30	-3631.63
f-p2	SLE-R-125	Min M3	-19749.77	-190.91	503.93	4.35	9371.85	-4817.59
f-p2	SLE-R-126	Max P	-17137.79	-170.01	485.51	2.06	12176.05	-4286.18
f-p2	SLE-R-126	Min P	-21647.40	-165.04	457.32	1.99	17462.90	-4169.07
f-p2	SLE-R-126	Max M2	-20599.94	-162.49	446.89	1.98	19482.86	-4107.50
f-p2	SLE-R-126	Min M2	-18191.15	-172.54	495.95	2.08	10156.20	-4347.38
f-p2	SLE-R-126	Max M3	-19712.04	-144.51	465.31	4.46	14957.14	-3636.74
f-p2	SLE-R-126	Min M3	-19713.92	-187.53	468.56	-0.36	14798.38	-4741.98
f-p2	SLE-R-127	Max P	-17102.36	-127.26	-498.07	-1.78	-12501.58	-3283.91
f-p2	SLE-R-127	Min P	-21675.00	-131.94	-467.93	-1.15	-17716.95	-3393.69
f-p2	SLE-R-127	Max M2	-18261.21	-125.77	-508.00	-1.52	-10483.76	-3249.71
f-p2	SLE-R-127	Min M2	-20542.49	-133.77	-458.00	-1.49	-19778.27	-3436.66
f-p2	SLE-R-127	Max M3	-19693.91	-107.71	-479.12	-4.05	-15054.71	-2776.08
f-p2	SLE-R-127	Min M3	-19750.27	-153.87	-476.99	0.93	-15289.16	-3962.04
f-p2	SLE-R-128	Max P	-17138.28	-132.97	-495.41	-1.36	-12484.96	-3430.64
f-p2	SLE-R-128	Min P	-21647.89	-128.01	-523.59	-1.43	-7198.11	-3313.52
f-p2	SLE-R-128	Max M2	-20600.44	-125.45	-534.02	-1.44	-5178.15	-3251.95
f-p2	SLE-R-128	Min M2	-18191.65	-135.51	-484.97	-1.33	-14504.81	-3491.83
f-p2	SLE-R-128	Max M3	-19712.53	-107.48	-515.61	1.04	-9703.87	-2781.19
f-p2	SLE-R-128	Min M3	-19714.41	-150.50	-512.35	-3.78	-9862.63	-3886.44
f-p2	SLE-R-129	Max P	-17033.10	32.96	491.69	5.66	12361.99	929.94
f-p2	SLE-R-129	Min P	-19347.30	30.08	506.36	6.02	9629.43	861.44
f-p2	SLE-R-129	Max M2	-17585.33	33.47	487.35	5.77	13314.46	941.29
f-p2	SLE-R-129	Min M2	-18814.68	29.31	510.71	5.86	8644.33	843.50
f-p2	SLE-R-129	Max M3	-18428.77	42.88	502.24	4.39	11010.44	1187.71
f-p2	SLE-R-129	Min M3	-18451.74	18.38	503.25	7.17	10886.97	558.28
f-p2	SLE-R-130	Max P	-17052.03	29.21	493.04	5.88	12361.44	833.74
f-p2	SLE-R-130	Min P	-19336.07	32.02	479.58	5.80	15147.46	900.52
f-p2	SLE-R-130	Max M2	-18837.42	33.21	474.89	5.78	16098.20	929.06
f-p2	SLE-R-130	Min M2	-17554.82	28.04	497.74	5.90	11410.79	805.41
f-p2	SLE-R-130	Max M3	-18427.04	43.15	482.10	7.21	13829.82	1188.76
f-p2	SLE-R-130	Min M3	-18441.63	20.34	483.80	4.50	13766.52	602.90
f-p2	SLE-R-131	Max P	-17033.59	69.99	-489.22	2.25	-12299.02	1785.48
f-p2	SLE-R-131	Min P	-19347.79	67.12	-474.55	2.60	-15031.58	1716.99
f-p2	SLE-R-131	Max M2	-17585.82	70.51	-493.57	2.35	-11346.55	1796.83
f-p2	SLE-R-131	Min M2	-18815.17	66.34	-470.21	2.44	-16016.68	1699.05
f-p2	SLE-R-131	Max M3	-18429.26	79.91	-478.68	0.97	-13650.56	2043.25
f-p2	SLE-R-131	Min M3	-18452.23	55.41	-477.67	3.75	-13774.04	1413.83
f-p2	SLE-R-132	Max P	-17052.53	66.25	-487.87	2.46	-12299.57	1689.29
f-p2	SLE-R-132	Min P	-19336.56	69.06	-501.33	2.38	-9513.55	1756.06
f-p2	SLE-R-132	Max M2	-18837.92	70.24	-506.02	2.36	-8562.81	1784.61
f-p2	SLE-R-132	Min M2	-17555.31	65.07	-483.18	2.48	-13250.22	1660.96
f-p2	SLE-R-132	Max M3	-18427.54	80.18	-498.81	3.79	-10831.19	2044.30
f-p2	SLE-R-132	Min M3	-18442.13	57.38	-497.11	1.08	-10894.49	1458.44
f-p2	SLE-R-133	Max P	-17403.57	31.56	491.43	5.62	12392.72	893.93

f-p2	SLE-R-133	Min P	-19717.76	28.68	506.10	5.98	9660.16	825.43
f-p2	SLE-R-133	Max M2	-17955.80	32.07	487.08	5.72	13345.19	905.28
f-p2	SLE-R-133	Min M2	-19185.15	27.91	510.45	5.82	8675.07	807.49
f-p2	SLE-R-133	Max M3	-18799.24	41.48	501.97	4.34	11041.18	1151.70
f-p2	SLE-R-133	Min M3	-18822.20	16.98	502.98	7.12	10917.70	522.27
f-p2	SLE-R-134	Max P	-17422.50	27.81	492.78	5.83	12392.17	797.73
f-p2	SLE-R-134	Min P	-19706.54	30.62	479.32	5.75	15178.19	864.50
f-p2	SLE-R-134	Max M2	-19207.89	31.81	474.63	5.73	16128.93	893.05
f-p2	SLE-R-134	Min M2	-17925.29	26.64	497.47	5.85	11441.52	769.40
f-p2	SLE-R-134	Max M3	-18797.51	41.75	481.84	7.16	13860.55	1152.74
f-p2	SLE-R-134	Min M3	-18812.10	18.94	483.54	4.45	13797.25	566.89
f-p2	SLE-R-135	Max P	-17404.06	68.60	-489.49	2.20	-12268.29	1749.47
f-p2	SLE-R-135	Min P	-19718.26	65.72	-474.81	2.56	-15000.85	1680.98
f-p2	SLE-R-135	Max M2	-17956.29	69.11	-493.83	2.30	-11315.82	1760.82
f-p2	SLE-R-135	Min M2	-19185.64	64.95	-470.47	2.40	-15985.94	1663.04
f-p2	SLE-R-135	Max M3	-18799.73	78.51	-478.94	0.92	-13619.83	2007.24
f-p2	SLE-R-135	Min M3	-18822.70	54.01	-477.93	3.70	-13743.31	1377.81
f-p2	SLE-R-136	Max P	-17423.00	64.85	-488.14	2.41	-12268.84	1653.28
f-p2	SLE-R-136	Min P	-19707.03	67.66	-501.60	2.33	-9482.82	1720.05
f-p2	SLE-R-136	Max M2	-19208.39	68.84	-506.29	2.31	-8532.08	1748.59
f-p2	SLE-R-136	Min M2	-17925.78	63.67	-483.44	2.44	-13219.48	1624.95
f-p2	SLE-R-136	Max M3	-18798.01	78.78	-499.08	3.74	-10800.46	2008.29
f-p2	SLE-R-136	Min M3	-18812.60	55.98	-497.38	1.04	-10863.76	1422.43
f-p2	SLE-R-137	Max P	-16975.29	32.92	491.64	5.63	12360.75	929.05
f-p2	SLE-R-137	Min P	-19289.49	30.05	506.31	5.99	9628.19	860.56
f-p2	SLE-R-137	Max M2	-17527.52	33.44	487.29	5.74	13313.22	940.40
f-p2	SLE-R-137	Min M2	-18756.87	29.27	510.65	5.83	8643.09	842.62
f-p2	SLE-R-137	Max M3	-18370.96	42.84	502.18	4.36	11009.20	1186.82
f-p2	SLE-R-137	Min M3	-18393.93	18.34	503.19	7.14	10885.73	557.40
f-p2	SLE-R-138	Max P	-16994.22	29.18	492.99	5.85	12360.20	832.86
f-p2	SLE-R-138	Min P	-19278.26	31.99	479.53	5.77	15146.22	899.63
f-p2	SLE-R-138	Max M2	-18779.61	33.17	474.84	5.75	16096.96	928.18
f-p2	SLE-R-138	Min M2	-17497.01	28.00	497.68	5.87	11409.55	804.53
f-p2	SLE-R-138	Max M3	-18369.23	43.11	482.05	7.18	13828.58	1187.87
f-p2	SLE-R-138	Min M3	-18383.82	20.31	483.75	4.47	13765.28	602.02
f-p2	SLE-R-139	Max P	-16975.78	69.96	-489.28	2.22	-12300.26	1784.60
f-p2	SLE-R-139	Min P	-19289.98	67.08	-474.61	2.58	-15032.82	1716.10
f-p2	SLE-R-139	Max M2	-17528.01	70.47	-493.62	2.32	-11347.79	1795.95
f-p2	SLE-R-139	Min M2	-18757.36	66.31	-470.26	2.42	-16017.92	1698.16
f-p2	SLE-R-139	Max M3	-18371.45	79.88	-478.73	0.94	-13651.81	2042.37
f-p2	SLE-R-139	Min M3	-18394.42	55.38	-477.72	3.72	-13775.28	1412.94
f-p2	SLE-R-140	Max P	-16994.72	66.21	-487.93	2.43	-12300.81	1688.40
f-p2	SLE-R-140	Min P	-19278.75	69.02	-501.39	2.35	-9514.79	1755.18
f-p2	SLE-R-140	Max M2	-18780.11	70.21	-506.08	2.33	-8564.05	1783.72
f-p2	SLE-R-140	Min M2	-17497.50	65.04	-483.23	2.45	-13251.46	1660.07
f-p2	SLE-R-140	Max M3	-18369.73	80.15	-498.87	3.76	-10832.43	2043.42
f-p2	SLE-R-140	Min M3	-18384.32	57.34	-497.17	1.05	-10895.73	1457.56
f-p2	SLE-R-141	Max P	-17345.76	31.53	491.37	5.59	12391.48	893.04
f-p2	SLE-R-141	Min P	-19659.96	28.65	506.05	5.95	9658.92	824.55
f-p2	SLE-R-141	Max M2	-17897.99	32.04	487.03	5.69	13343.95	904.39
f-p2	SLE-R-141	Min M2	-19127.34	27.88	510.39	5.79	8673.82	806.61

f-p2	SLE-R-141	Max M3	-18741.43	41.44	501.92	4.31	11039.94	1150.81
f-p2	SLE-R-141	Min M3	-18764.39	16.94	502.93	7.09	10916.46	521.39
f-p2	SLE-R-142	Max P	-17364.69	27.78	492.72	5.80	12390.93	796.85
f-p2	SLE-R-142	Min P	-19648.73	30.59	479.26	5.72	15176.95	863.62
f-p2	SLE-R-142	Max M2	-19150.08	31.77	474.58	5.70	16127.69	892.17
f-p2	SLE-R-142	Min M2	-17867.48	26.60	497.42	5.83	11440.28	768.52
f-p2	SLE-R-142	Max M3	-18739.70	41.71	481.78	7.13	13859.31	1151.86
f-p2	SLE-R-142	Min M3	-18754.29	18.91	483.48	4.43	13796.01	566.01
f-p2	SLE-R-143	Max P	-17346.25	68.56	-489.54	2.17	-12269.53	1748.59
f-p2	SLE-R-143	Min P	-19660.45	65.68	-474.87	2.53	-15002.09	1680.09
f-p2	SLE-R-143	Max M2	-17898.48	69.07	-493.89	2.27	-11317.06	1759.94
f-p2	SLE-R-143	Min M2	-19127.83	64.91	-470.52	2.37	-15987.19	1662.15
f-p2	SLE-R-143	Max M3	-18741.92	78.48	-479.00	0.89	-13621.07	2006.36
f-p2	SLE-R-143	Min M3	-18764.89	53.98	-477.99	3.67	-13744.55	1376.93
f-p2	SLE-R-144	Max P	-17365.19	64.82	-488.19	2.38	-12270.08	1652.39
f-p2	SLE-R-144	Min P	-19649.22	67.63	-501.65	2.30	-9484.06	1719.17
f-p2	SLE-R-144	Max M2	-19150.58	68.81	-506.34	2.28	-8533.32	1747.71
f-p2	SLE-R-144	Min M2	-17867.97	63.64	-483.50	2.41	-13220.73	1624.06
f-p2	SLE-R-144	Max M3	-18740.20	78.75	-499.13	3.71	-10801.70	2007.41
f-p2	SLE-R-144	Min M3	-18754.79	55.94	-497.43	1.01	-10865.00	1421.55
f-p2	SLE-R-145	Max P	-17040.31	-360.41	476.34	-1.96	11923.19	-9179.45
f-p2	SLE-R-145	Min P	-19354.50	-363.28	491.01	-1.60	9190.63	-9247.95
f-p2	SLE-R-145	Max M2	-17592.54	-359.89	471.99	-1.86	12875.66	-9168.11
f-p2	SLE-R-145	Min M2	-18821.88	-364.06	495.36	-1.76	8205.53	-9265.89
f-p2	SLE-R-145	Max M3	-18435.97	-350.49	486.88	-3.24	10571.64	-8921.69
f-p2	SLE-R-145	Min M3	-18458.94	-374.99	487.89	-0.46	10448.17	-9551.11
f-p2	SLE-R-146	Max P	-17059.24	-364.15	477.69	-1.75	11922.64	-9275.65
f-p2	SLE-R-146	Min P	-19343.27	-361.34	464.23	-1.83	14708.66	-9208.88
f-p2	SLE-R-146	Max M2	-18844.63	-360.16	459.54	-1.85	15659.40	-9180.33
f-p2	SLE-R-146	Min M2	-17562.02	-365.33	482.38	-1.73	10971.99	-9303.98
f-p2	SLE-R-146	Max M3	-18434.25	-350.22	466.75	-0.42	13391.02	-8920.64
f-p2	SLE-R-146	Min M3	-18448.84	-373.02	468.45	-3.12	13327.72	-9506.49
f-p2	SLE-R-147	Max P	-17040.80	-323.37	-504.58	-5.38	-12737.82	-8323.91
f-p2	SLE-R-147	Min P	-19355.00	-326.25	-489.90	-5.02	-15470.38	-8392.41
f-p2	SLE-R-147	Max M2	-17593.03	-322.86	-508.92	-5.28	-11785.35	-8312.56
f-p2	SLE-R-147	Min M2	-18822.38	-327.02	-485.56	-5.18	-16455.48	-8410.35
f-p2	SLE-R-147	Max M3	-18436.47	-313.45	-494.03	-6.66	-14089.36	-8066.14
f-p2	SLE-R-147	Min M3	-18459.44	-337.95	-493.02	-3.88	-14212.84	-8695.57
f-p2	SLE-R-148	Max P	-17059.73	-327.12	-503.23	-5.17	-12738.37	-8420.11
f-p2	SLE-R-148	Min P	-19343.77	-324.31	-516.69	-5.25	-9952.35	-8353.33
f-p2	SLE-R-148	Max M2	-18845.12	-323.12	-521.37	-5.27	-9001.61	-8324.79
f-p2	SLE-R-148	Min M2	-17562.52	-328.29	-498.53	-5.14	-13689.02	-8448.44
f-p2	SLE-R-148	Max M3	-18434.74	-313.18	-514.17	-3.84	-11269.99	-8065.09
f-p2	SLE-R-148	Min M3	-18449.34	-335.99	-512.47	-6.54	-11333.29	-8650.95
f-p2	SLE-R-149	Max P	-17410.78	-361.81	476.07	-2.01	11953.92	-9215.47
f-p2	SLE-R-149	Min P	-19724.97	-364.68	490.75	-1.65	9221.36	-9283.96
f-p2	SLE-R-149	Max M2	-17963.00	-361.29	471.73	-1.90	12906.39	-9204.12
f-p2	SLE-R-149	Min M2	-19192.35	-365.46	495.09	-1.81	8236.27	-9301.90
f-p2	SLE-R-149	Max M3	-18806.44	-351.89	486.62	-3.29	10602.38	-8957.70
f-p2	SLE-R-149	Min M3	-18829.41	-376.39	487.63	-0.51	10478.90	-9587.12
f-p2	SLE-R-150	Max P	-17429.71	-365.55	477.42	-1.80	11953.37	-9311.66

f-p2	SLE-R-150	Min P	-19713.74	-362.74	463.96	-1.88	14739.39	-9244.89
f-p2	SLE-R-150	Max M2	-19215.10	-361.56	459.28	-1.89	15690.13	-9216.34
f-p2	SLE-R-150	Min M2	-17932.49	-366.73	482.12	-1.77	11002.72	-9339.99
f-p2	SLE-R-150	Max M3	-18804.72	-351.62	466.49	-0.46	13421.75	-8956.65
f-p2	SLE-R-150	Min M3	-18819.31	-374.42	468.18	-3.17	13358.45	-9542.50
f-p2	SLE-R-151	Max P	-17411.27	-324.77	-504.84	-5.43	-12707.09	-8359.92
f-p2	SLE-R-151	Min P	-19725.47	-327.65	-490.17	-5.07	-15439.65	-8428.42
f-p2	SLE-R-151	Max M2	-17963.50	-324.26	-509.19	-5.32	-11754.62	-8348.57
f-p2	SLE-R-151	Min M2	-19192.85	-328.42	-485.82	-5.23	-16424.74	-8446.36
f-p2	SLE-R-151	Max M3	-18806.94	-314.85	-494.30	-6.70	-14058.63	-8102.15
f-p2	SLE-R-151	Min M3	-18829.91	-339.35	-493.29	-3.92	-14182.11	-8731.58
f-p2	SLE-R-152	Max P	-17430.20	-328.52	-503.49	-5.21	-12707.64	-8456.12
f-p2	SLE-R-152	Min P	-19714.24	-325.71	-516.95	-5.29	-9921.62	-8389.34
f-p2	SLE-R-152	Max M2	-19215.59	-324.52	-521.64	-5.31	-8970.88	-8360.80
f-p2	SLE-R-152	Min M2	-17932.99	-329.69	-498.80	-5.19	-13658.28	-8484.45
f-p2	SLE-R-152	Max M3	-18805.21	-314.58	-514.43	-3.88	-11239.26	-8101.10
f-p2	SLE-R-152	Min M3	-18819.80	-337.39	-512.73	-6.59	-11302.56	-8686.96
f-p2	SLE-R-153	Max P	-16982.50	-360.44	476.28	-1.99	11921.95	-9180.34
f-p2	SLE-R-153	Min P	-19296.69	-363.32	490.96	-1.63	9189.39	-9248.84
f-p2	SLE-R-153	Max M2	-17534.73	-359.93	471.94	-1.89	12874.42	-9168.99
f-p2	SLE-R-153	Min M2	-18764.07	-364.09	495.30	-1.79	8204.29	-9266.78
f-p2	SLE-R-153	Max M3	-18378.16	-350.52	486.83	-3.27	10570.40	-8922.57
f-p2	SLE-R-153	Min M3	-18401.13	-375.02	487.84	-0.49	10446.93	-9552.00
f-p2	SLE-R-154	Max P	-17001.43	-364.19	477.63	-1.78	11921.40	-9276.54
f-p2	SLE-R-154	Min P	-19285.46	-361.38	464.17	-1.86	14707.42	-9209.76
f-p2	SLE-R-154	Max M2	-18786.82	-360.19	459.49	-1.88	15658.16	-9181.22
f-p2	SLE-R-154	Min M2	-17504.21	-365.36	482.33	-1.75	10970.75	-9304.86
f-p2	SLE-R-154	Max M3	-18376.44	-350.25	466.69	-0.45	13389.78	-8921.52
f-p2	SLE-R-154	Min M3	-18391.03	-373.06	468.39	-3.15	13326.48	-9507.38
f-p2	SLE-R-155	Max P	-16982.99	-323.41	-504.63	-5.41	-12739.06	-8324.79
f-p2	SLE-R-155	Min P	-19297.19	-326.28	-489.96	-5.05	-15471.62	-8393.29
f-p2	SLE-R-155	Max M2	-17535.22	-322.89	-508.98	-5.31	-11786.59	-8313.45
f-p2	SLE-R-155	Min M2	-18764.57	-327.06	-485.61	-5.21	-16456.72	-8411.23
f-p2	SLE-R-155	Max M3	-18378.66	-313.49	-494.09	-6.69	-14090.61	-8067.03
f-p2	SLE-R-155	Min M3	-18401.63	-337.99	-493.08	-3.91	-14214.08	-8696.45
f-p2	SLE-R-156	Max P	-17001.92	-327.15	-503.28	-5.20	-12739.61	-8420.99
f-p2	SLE-R-156	Min P	-19285.96	-324.34	-516.74	-5.28	-9953.59	-8354.22
f-p2	SLE-R-156	Max M2	-18787.31	-323.16	-521.43	-5.30	-9002.85	-8325.67
f-p2	SLE-R-156	Min M2	-17504.71	-328.33	-498.59	-5.17	-13690.26	-8449.32
f-p2	SLE-R-156	Max M3	-18376.93	-313.22	-514.22	-3.87	-11271.23	-8065.98
f-p2	SLE-R-156	Min M3	-18391.53	-336.02	-512.52	-6.57	-11334.53	-8651.83
f-p2	SLE-R-157	Max P	-17352.97	-361.84	476.02	-2.04	11952.68	-9216.35
f-p2	SLE-R-157	Min P	-19667.16	-364.72	490.69	-1.68	9220.12	-9284.85
f-p2	SLE-R-157	Max M2	-17905.19	-361.33	471.67	-1.93	12905.15	-9205.00
f-p2	SLE-R-157	Min M2	-19134.54	-365.49	495.04	-1.84	8235.02	-9302.79
f-p2	SLE-R-157	Max M3	-18748.63	-351.92	486.56	-3.32	10601.14	-8958.58
f-p2	SLE-R-157	Min M3	-18771.60	-376.42	487.57	-0.53	10477.66	-9588.01
f-p2	SLE-R-158	Max P	-17371.90	-365.59	477.37	-1.83	11952.13	-9312.55
f-p2	SLE-R-158	Min P	-19655.93	-362.78	463.91	-1.90	14738.15	-9245.77
f-p2	SLE-R-158	Max M2	-19157.29	-361.59	459.22	-1.92	15688.89	-9217.23
f-p2	SLE-R-158	Min M2	-17874.68	-366.76	482.07	-1.80	11001.48	-9340.88

f-p2	SLE-R-158	Max M3	-18746.91	-351.65	466.43	-0.49	13420.51	-8957.53
f-p2	SLE-R-158	Min M3	-18761.50	-374.46	468.13	-3.20	13357.21	-9543.39
f-p2	SLE-R-159	Max P	-17353.46	-324.80	-504.90	-5.46	-12708.33	-8360.80
f-p2	SLE-R-159	Min P	-19667.66	-327.68	-490.22	-5.10	-15440.89	-8429.30
f-p2	SLE-R-159	Max M2	-17905.69	-324.29	-509.24	-5.35	-11755.86	-8349.46
f-p2	SLE-R-159	Min M2	-19135.04	-328.45	-485.88	-5.26	-16425.99	-8447.24
f-p2	SLE-R-159	Max M3	-18749.13	-314.89	-494.35	-6.73	-14059.87	-8103.04
f-p2	SLE-R-159	Min M3	-18772.10	-339.39	-493.34	-3.95	-14183.35	-8732.46
f-p2	SLE-R-160	Max P	-17372.39	-328.55	-503.55	-5.24	-12708.88	-8457.00
f-p2	SLE-R-160	Min P	-19656.43	-325.74	-517.01	-5.32	-9922.86	-8390.23
f-p2	SLE-R-160	Max M2	-19157.78	-324.56	-521.69	-5.34	-8972.12	-8361.68
f-p2	SLE-R-160	Min M2	-17875.18	-329.73	-498.85	-5.22	-13659.53	-8485.33
f-p2	SLE-R-160	Max M3	-18747.40	-314.62	-514.49	-3.91	-11240.50	-8101.99
f-p2	SLE-R-160	Min M3	-18761.99	-337.42	-512.79	-6.62	-11303.80	-8687.84
f-p2	SLE-R-161	Max P	-17036.53	-166.29	512.94	-7.52	12975.86	-4190.77
f-p2	SLE-R-161	Min P	-19350.73	-169.16	527.61	-7.16	10243.30	-4259.26
f-p2	SLE-R-161	Max M2	-17588.76	-165.77	508.60	-7.42	13928.33	-4179.42
f-p2	SLE-R-161	Min M2	-18818.11	-169.94	531.96	-7.32	9258.21	-4277.21
f-p2	SLE-R-161	Max M3	-18432.20	-156.37	523.49	-8.80	11624.32	-3933.00
f-p2	SLE-R-161	Min M3	-18455.17	-180.87	524.49	-6.02	11500.84	-4562.43
f-p2	SLE-R-162	Max P	-17055.46	-170.03	514.29	-7.31	12975.31	-4286.96
f-p2	SLE-R-162	Min P	-19339.50	-167.22	500.83	-7.39	15761.33	-4220.19
f-p2	SLE-R-162	Max M2	-18840.85	-166.04	496.14	-7.41	16712.07	-4191.65
f-p2	SLE-R-162	Min M2	-17558.25	-171.21	518.99	-7.28	12024.67	-4315.29
f-p2	SLE-R-162	Max M3	-18430.47	-156.10	503.35	-5.98	14443.69	-3931.95
f-p2	SLE-R-162	Min M3	-18445.07	-178.90	505.05	-8.68	14380.39	-4517.81
f-p2	SLE-R-163	Max P	-17037.02	-129.25	-467.97	-10.94	-11685.15	-3335.22
f-p2	SLE-R-163	Min P	-19351.22	-132.13	-453.30	-10.58	-14417.70	-3403.72
f-p2	SLE-R-163	Max M2	-17589.25	-128.74	-472.32	-10.83	-10732.68	-3323.88
f-p2	SLE-R-163	Min M2	-18818.60	-132.90	-448.96	-10.74	-15402.80	-3421.66
f-p2	SLE-R-163	Max M3	-18432.69	-119.33	-457.43	-12.22	-13036.69	-3077.46
f-p2	SLE-R-163	Min M3	-18455.66	-143.83	-456.42	-9.44	-13160.17	-3706.88
f-p2	SLE-R-164	Max P	-17055.96	-133.00	-466.62	-10.73	-11685.69	-3431.42
f-p2	SLE-R-164	Min P	-19339.99	-130.19	-480.08	-10.81	-8899.68	-3364.65
f-p2	SLE-R-164	Max M2	-18841.35	-129.00	-484.77	-10.83	-7948.94	-3336.10
f-p2	SLE-R-164	Min M2	-17558.74	-134.17	-461.93	-10.70	-12636.34	-3459.75
f-p2	SLE-R-164	Max M3	-18430.97	-119.06	-477.56	-9.40	-10217.32	-3076.41
f-p2	SLE-R-164	Min M3	-18445.56	-141.87	-475.86	-12.10	-10280.62	-3662.26
f-p2	SLE-R-165	Max P	-17407.00	-167.69	512.68	-7.57	13006.59	-4226.78
f-p2	SLE-R-165	Min P	-19721.20	-170.56	527.35	-7.21	10274.04	-4295.28
f-p2	SLE-R-165	Max M2	-17959.23	-167.17	508.33	-7.46	13959.06	-4215.43
f-p2	SLE-R-165	Min M2	-19188.58	-171.34	531.69	-7.37	9288.94	-4313.22
f-p2	SLE-R-165	Max M3	-18802.67	-157.77	523.22	-8.84	11655.05	-3969.01
f-p2	SLE-R-165	Min M3	-18825.64	-182.27	524.23	-6.06	11531.58	-4598.44
f-p2	SLE-R-166	Max P	-17425.93	-171.43	514.03	-7.35	13006.05	-4322.97
f-p2	SLE-R-166	Min P	-19709.97	-168.62	500.57	-7.43	15792.07	-4256.20
f-p2	SLE-R-166	Max M2	-19211.32	-167.44	495.88	-7.45	16742.80	-4227.66
f-p2	SLE-R-166	Min M2	-17928.72	-172.61	518.72	-7.33	12055.40	-4351.30
f-p2	SLE-R-166	Max M3	-18800.94	-157.50	503.09	-6.02	14474.42	-3967.96
f-p2	SLE-R-166	Min M3	-18815.53	-180.30	504.79	-8.73	14411.12	-4553.82
f-p2	SLE-R-167	Max P	-17407.49	-130.65	-468.24	-10.98	-11654.42	-3371.23

f-p2	SLE-R-167	Min P	-19721.69	-133.53	-453.57	-10.63	-14386.97	-3439.73
f-p2	SLE-R-167	Max M2	-17959.72	-130.14	-472.58	-10.88	-10701.94	-3359.89
f-p2	SLE-R-167	Min M2	-19189.07	-134.30	-449.22	-10.79	-15372.07	-3457.67
f-p2	SLE-R-167	Max M3	-18803.16	-120.73	-457.69	-12.26	-13005.96	-3113.47
f-p2	SLE-R-167	Min M3	-18826.13	-145.23	-456.68	-9.48	-13129.43	-3742.89
f-p2	SLE-R-168	Max P	-17426.43	-134.40	-466.89	-10.77	-11654.96	-3467.43
f-p2	SLE-R-168	Min P	-19710.46	-131.59	-480.35	-10.85	-8868.94	-3400.66
f-p2	SLE-R-168	Max M2	-19211.82	-130.40	-485.04	-10.87	-7918.21	-3372.11
f-p2	SLE-R-168	Min M2	-17929.21	-135.57	-462.19	-10.75	-12605.61	-3495.76
f-p2	SLE-R-168	Max M3	-18801.44	-120.46	-477.83	-9.44	-10186.59	-3112.42
f-p2	SLE-R-168	Min M3	-18816.03	-143.27	-476.13	-12.15	-10249.89	-3698.27
f-p2	SLE-R-169	Max P	-16978.72	-166.32	512.89	-7.55	12974.62	-4191.65
f-p2	SLE-R-169	Min P	-19292.92	-169.20	527.56	-7.19	10242.06	-4260.15
f-p2	SLE-R-169	Max M2	-17530.95	-165.81	508.54	-7.45	13927.09	-4180.30
f-p2	SLE-R-169	Min M2	-18760.30	-169.97	531.90	-7.35	9256.97	-4278.09
f-p2	SLE-R-169	Max M3	-18374.39	-156.40	523.43	-8.83	11623.08	-3933.89
f-p2	SLE-R-169	Min M3	-18397.36	-180.90	524.44	-6.05	11499.60	-4563.31
f-p2	SLE-R-170	Max P	-16997.65	-170.07	514.24	-7.34	12974.07	-4287.85
f-p2	SLE-R-170	Min P	-19281.69	-167.26	500.78	-7.42	15760.09	-4221.08
f-p2	SLE-R-170	Max M2	-18783.04	-166.07	496.09	-7.44	16710.83	-4192.53
f-p2	SLE-R-170	Min M2	-17500.44	-171.24	518.93	-7.31	12023.43	-4316.18
f-p2	SLE-R-170	Max M3	-18372.66	-156.13	503.30	-6.01	14442.45	-3932.84
f-p2	SLE-R-170	Min M3	-18387.26	-178.94	505.00	-8.71	14379.15	-4518.69
f-p2	SLE-R-171	Max P	-16979.21	-129.29	-468.03	-10.97	-11686.39	-3336.11
f-p2	SLE-R-171	Min P	-19293.41	-132.16	-453.36	-10.61	-14418.95	-3404.60
f-p2	SLE-R-171	Max M2	-17531.44	-128.77	-472.37	-10.86	-10733.92	-3324.76
f-p2	SLE-R-171	Min M2	-18760.79	-132.94	-449.01	-10.77	-15404.04	-3422.55
f-p2	SLE-R-171	Max M3	-18374.88	-119.37	-457.48	-12.25	-13037.93	-3078.34
f-p2	SLE-R-171	Min M3	-18397.85	-143.87	-456.48	-9.46	-13161.41	-3707.77
f-p2	SLE-R-172	Max P	-16998.15	-133.03	-466.68	-10.76	-11686.94	-3432.30
f-p2	SLE-R-172	Min P	-19282.18	-130.22	-480.14	-10.83	-8900.92	-3365.53
f-p2	SLE-R-172	Max M2	-18783.54	-129.04	-484.83	-10.85	-7950.18	-3336.99
f-p2	SLE-R-172	Min M2	-17500.93	-134.21	-461.98	-10.73	-12637.58	-3460.63
f-p2	SLE-R-172	Max M3	-18373.16	-119.10	-477.62	-9.42	-10218.56	-3077.29
f-p2	SLE-R-172	Min M3	-18387.75	-141.90	-475.92	-12.13	-10281.86	-3663.15
f-p2	SLE-R-173	Max P	-17349.19	-167.72	512.62	-7.60	13005.35	-4227.66
f-p2	SLE-R-173	Min P	-19663.39	-170.60	527.30	-7.24	10272.80	-4296.16
f-p2	SLE-R-173	Max M2	-17901.42	-167.21	508.28	-7.49	13957.82	-4216.31
f-p2	SLE-R-173	Min M2	-19130.77	-171.37	531.64	-7.40	9287.70	-4314.10
f-p2	SLE-R-173	Max M3	-18744.86	-157.80	523.17	-8.87	11653.81	-3969.90
f-p2	SLE-R-173	Min M3	-18767.83	-182.30	524.18	-6.09	11530.33	-4599.32
f-p2	SLE-R-174	Max P	-17368.12	-171.47	513.97	-7.38	13004.81	-4323.86
f-p2	SLE-R-174	Min P	-19652.16	-168.66	500.51	-7.46	15790.83	-4257.09
f-p2	SLE-R-174	Max M2	-19153.51	-167.47	495.83	-7.48	16741.56	-4228.54
f-p2	SLE-R-174	Min M2	-17870.91	-172.64	518.67	-7.36	12054.16	-4352.19
f-p2	SLE-R-174	Max M3	-18743.13	-157.53	503.03	-6.05	14473.18	-3968.85
f-p2	SLE-R-174	Min M3	-18757.72	-180.34	504.73	-8.76	14409.88	-4554.70
f-p2	SLE-R-175	Max P	-17349.68	-130.68	-468.29	-11.01	-11655.66	-3372.12
f-p2	SLE-R-175	Min P	-19663.88	-133.56	-453.62	-10.65	-14388.21	-3440.61
f-p2	SLE-R-175	Max M2	-17901.91	-130.17	-472.64	-10.91	-10703.19	-3360.77
f-p2	SLE-R-175	Min M2	-19131.26	-134.33	-449.28	-10.81	-15373.31	-3458.56

f-p2	SLE-R-175	Max M3	-18745.35	-120.77	-457.75	-12.29	-13007.20	-3114.35
f-p2	SLE-R-175	Min M3	-18768.32	-145.27	-456.74	-9.51	-13130.68	-3743.78
f-p2	SLE-R-176	Max P	-17368.62	-134.43	-466.94	-10.80	-11656.20	-3468.31
f-p2	SLE-R-176	Min P	-19652.65	-131.62	-480.40	-10.88	-8870.18	-3401.54
f-p2	SLE-R-176	Max M2	-19154.01	-130.44	-485.09	-10.90	-7919.45	-3373.00
f-p2	SLE-R-176	Min M2	-17871.40	-135.61	-462.25	-10.78	-12606.85	-3496.64
f-p2	SLE-R-176	Max M3	-18743.63	-120.50	-477.88	-9.47	-10187.83	-3113.30
f-p2	SLE-R-176	Min M3	-18758.22	-143.30	-476.18	-12.18	-10251.13	-3699.16
f-p2	SLE-R-177	Max P	-17036.35	-162.76	441.26	-10.05	10914.49	-4099.65
f-p2	SLE-R-177	Min P	-19350.55	-165.63	455.94	-9.69	8181.94	-4168.15
f-p2	SLE-R-177	Max M2	-17588.58	-162.24	436.92	-9.95	11866.97	-4088.30
f-p2	SLE-R-177	Min M2	-18817.93	-166.41	460.28	-9.85	7196.84	-4186.09
f-p2	SLE-R-177	Max M3	-18432.02	-152.84	451.81	-11.33	9562.95	-3841.88
f-p2	SLE-R-177	Min M3	-18454.99	-177.34	452.82	-8.55	9439.48	-4471.31
f-p2	SLE-R-178	Max P	-17055.28	-166.50	442.61	-9.84	10913.95	-4195.85
f-p2	SLE-R-178	Min P	-19339.32	-163.69	429.15	-9.92	13699.97	-4129.08
f-p2	SLE-R-178	Max M2	-18840.68	-162.51	424.46	-9.94	14650.70	-4100.53
f-p2	SLE-R-178	Min M2	-17558.07	-167.68	447.31	-9.81	9963.30	-4224.18
f-p2	SLE-R-178	Max M3	-18430.29	-152.57	431.67	-8.51	12382.33	-3840.84
f-p2	SLE-R-178	Min M3	-18444.89	-175.37	433.37	-11.21	12319.03	-4426.69
f-p2	SLE-R-179	Max P	-17036.85	-125.72	-539.65	-13.47	-13746.52	-3244.11
f-p2	SLE-R-179	Min P	-19351.04	-128.60	-524.98	-13.11	-16479.07	-3312.60
f-p2	SLE-R-179	Max M2	-17589.07	-125.21	-544.00	-13.36	-12794.04	-3232.76
f-p2	SLE-R-179	Min M2	-18818.42	-129.37	-520.64	-13.27	-17464.17	-3330.55
f-p2	SLE-R-179	Max M3	-18432.51	-115.80	-529.11	-14.75	-15098.06	-2986.34
f-p2	SLE-R-179	Min M3	-18455.48	-140.30	-528.10	-11.96	-15221.53	-3615.77
f-p2	SLE-R-180	Max P	-17055.78	-129.47	-538.30	-13.26	-13747.06	-3340.30
f-p2	SLE-R-180	Min P	-19339.81	-126.66	-551.76	-13.33	-10961.04	-3273.53
f-p2	SLE-R-180	Max M2	-18841.17	-125.47	-556.45	-13.35	-10010.31	-3244.99
f-p2	SLE-R-180	Min M2	-17558.56	-130.64	-533.61	-13.23	-14697.71	-3368.63
f-p2	SLE-R-180	Max M3	-18430.79	-115.53	-549.24	-11.92	-12278.68	-2985.29
f-p2	SLE-R-180	Min M3	-18445.38	-138.34	-547.54	-14.63	-12341.98	-3571.15
f-p2	SLE-R-181	Max P	-17406.82	-164.16	441.00	-10.10	10945.23	-4135.66
f-p2	SLE-R-181	Min P	-19721.02	-167.03	455.67	-9.74	8212.67	-4204.16
f-p2	SLE-R-181	Max M2	-17959.05	-163.64	436.65	-9.99	11897.70	-4124.31
f-p2	SLE-R-181	Min M2	-19188.40	-167.80	460.02	-9.90	7227.57	-4222.10
f-p2	SLE-R-181	Max M3	-18802.49	-154.24	451.54	-11.37	9593.68	-3877.89
f-p2	SLE-R-181	Min M3	-18825.46	-178.74	452.55	-8.59	9470.21	-4507.32
f-p2	SLE-R-182	Max P	-17425.75	-167.90	442.35	-9.88	10944.68	-4231.86
f-p2	SLE-R-182	Min P	-19709.79	-165.09	428.89	-9.96	13730.70	-4165.09
f-p2	SLE-R-182	Max M2	-19211.15	-163.91	424.20	-9.98	14681.44	-4136.54
f-p2	SLE-R-182	Min M2	-17928.54	-169.08	447.04	-9.86	9994.03	-4260.19
f-p2	SLE-R-182	Max M3	-18800.76	-153.97	431.41	-8.55	12413.06	-3876.85
f-p2	SLE-R-182	Min M3	-18815.36	-176.77	433.11	-11.26	12349.76	-4462.70
f-p2	SLE-R-183	Max P	-17407.31	-127.12	-539.92	-13.51	-13715.78	-3280.12
f-p2	SLE-R-183	Min P	-19721.51	-130.00	-525.24	-13.15	-16448.34	-3348.61
f-p2	SLE-R-183	Max M2	-17959.54	-126.61	-544.26	-13.41	-12763.31	-3268.77
f-p2	SLE-R-183	Min M2	-19188.89	-130.77	-520.90	-13.31	-17433.44	-3366.56
f-p2	SLE-R-183	Max M3	-18802.98	-117.20	-529.37	-14.79	-15067.32	-3022.35
f-p2	SLE-R-183	Min M3	-18825.95	-141.70	-528.36	-12.01	-15190.80	-3651.78
f-p2	SLE-R-184	Max P	-17426.25	-130.87	-538.57	-13.30	-13716.33	-3376.31

f-p2	SLE-R-184	Min P	-19710.28	-128.05	-552.03	-13.38	-10930.31	-3309.54
f-p2	SLE-R-184	Max M2	-19211.64	-126.87	-556.71	-13.40	-9979.57	-3281.00
f-p2	SLE-R-184	Min M2	-17929.03	-132.04	-533.87	-13.28	-14666.98	-3404.64
f-p2	SLE-R-184	Max M3	-18801.26	-116.93	-549.51	-11.97	-12247.95	-3021.30
f-p2	SLE-R-184	Min M3	-18815.85	-139.74	-547.81	-14.68	-12311.25	-3607.16
f-p2	SLE-R-185	Max P	-16978.54	-162.79	441.21	-10.08	10913.25	-4100.54
f-p2	SLE-R-185	Min P	-19292.74	-165.67	455.88	-9.72	8180.70	-4169.03
f-p2	SLE-R-185	Max M2	-17530.77	-162.28	436.86	-9.97	11865.73	-4089.19
f-p2	SLE-R-185	Min M2	-18760.12	-166.44	460.23	-9.88	7195.60	-4186.97
f-p2	SLE-R-185	Max M3	-18374.21	-152.87	451.75	-11.36	9561.71	-3842.77
f-p2	SLE-R-185	Min M3	-18397.18	-177.37	452.76	-8.57	9438.24	-4472.19
f-p2	SLE-R-186	Max P	-16997.47	-166.54	442.56	-9.87	10912.71	-4196.73
f-p2	SLE-R-186	Min P	-19281.51	-163.73	429.10	-9.95	13698.73	-4129.96
f-p2	SLE-R-186	Max M2	-18782.87	-162.54	424.41	-9.96	14649.46	-4101.41
f-p2	SLE-R-186	Min M2	-17500.26	-167.71	447.25	-9.84	9962.06	-4225.06
f-p2	SLE-R-186	Max M3	-18372.48	-152.60	431.62	-8.53	12381.08	-3841.72
f-p2	SLE-R-186	Min M3	-18387.08	-175.41	433.32	-11.24	12317.78	-4427.58
f-p2	SLE-R-187	Max P	-16979.04	-125.76	-539.71	-13.50	-13747.76	-3244.99
f-p2	SLE-R-187	Min P	-19293.23	-128.63	-525.03	-13.14	-16480.31	-3313.49
f-p2	SLE-R-187	Max M2	-17531.26	-125.24	-544.05	-13.39	-12795.28	-3233.64
f-p2	SLE-R-187	Min M2	-18760.61	-129.40	-520.69	-13.30	-17465.41	-3331.43
f-p2	SLE-R-187	Max M3	-18374.70	-115.84	-529.16	-14.77	-15099.30	-2987.22
f-p2	SLE-R-187	Min M3	-18397.67	-140.34	-528.15	-11.99	-15222.77	-3616.65
f-p2	SLE-R-188	Max P	-16997.97	-129.50	-538.36	-13.28	-13748.30	-3341.19
f-p2	SLE-R-188	Min P	-19282.00	-126.69	-551.82	-13.36	-10962.28	-3274.42
f-p2	SLE-R-188	Max M2	-18783.36	-125.51	-556.51	-13.38	-10011.55	-3245.87
f-p2	SLE-R-188	Min M2	-17500.75	-130.68	-533.66	-13.26	-14698.95	-3369.52
f-p2	SLE-R-188	Max M3	-18372.98	-115.57	-549.30	-11.95	-12279.93	-2986.18
f-p2	SLE-R-188	Min M3	-18387.57	-138.37	-547.60	-14.66	-12343.22	-3572.03
f-p2	SLE-R-189	Max P	-17349.01	-164.19	440.94	-10.12	10943.99	-4136.55
f-p2	SLE-R-189	Min P	-19663.21	-167.07	455.62	-9.77	8211.43	-4205.04
f-p2	SLE-R-189	Max M2	-17901.24	-163.68	436.60	-10.02	11896.46	-4125.20
f-p2	SLE-R-189	Min M2	-19130.59	-167.84	459.96	-9.92	7226.33	-4222.98
f-p2	SLE-R-189	Max M3	-18744.68	-154.27	451.49	-11.40	9592.44	-3878.78
f-p2	SLE-R-189	Min M3	-18767.65	-178.77	452.50	-8.62	9468.97	-4508.20
f-p2	SLE-R-190	Max P	-17367.94	-167.94	442.29	-9.91	10943.44	-4232.74
f-p2	SLE-R-190	Min P	-19651.98	-165.12	428.83	-9.99	13729.46	-4165.97
f-p2	SLE-R-190	Max M2	-19153.34	-163.94	424.15	-10.01	14680.20	-4137.43
f-p2	SLE-R-190	Min M2	-17870.73	-169.11	446.99	-9.89	9992.79	-4261.07
f-p2	SLE-R-190	Max M3	-18742.95	-154.00	431.35	-8.58	12411.82	-3877.73
f-p2	SLE-R-190	Min M3	-18757.55	-176.81	433.05	-11.29	12348.52	-4463.59
f-p2	SLE-R-191	Max P	-17349.50	-127.15	-539.97	-13.54	-13717.02	-3281.00
f-p2	SLE-R-191	Min P	-19663.70	-130.03	-525.30	-13.18	-16449.58	-3349.50
f-p2	SLE-R-191	Max M2	-17901.73	-126.64	-544.32	-13.44	-12764.55	-3269.65
f-p2	SLE-R-191	Min M2	-19131.08	-130.80	-520.95	-13.34	-17434.68	-3367.44
f-p2	SLE-R-191	Max M3	-18745.17	-117.23	-529.43	-14.82	-15068.57	-3023.23
f-p2	SLE-R-191	Min M3	-18768.14	-141.74	-528.42	-12.04	-15192.04	-3652.66
f-p2	SLE-R-192	Max P	-17368.44	-130.90	-538.62	-13.33	-13717.57	-3377.20
f-p2	SLE-R-192	Min P	-19652.47	-128.09	-552.08	-13.41	-10931.55	-3310.43
f-p2	SLE-R-192	Max M2	-19153.83	-126.91	-556.77	-13.43	-9980.81	-3281.88
f-p2	SLE-R-192	Min M2	-17871.22	-132.07	-533.93	-13.31	-14668.22	-3405.53

f-p2	SLE-R-192	Max M3	-18743.45	-116.97	-549.56	-12.00	-12249.19	-3022.19
f-p2	SLE-R-192	Min M3	-18758.04	-139.77	-547.86	-14.71	-12312.49	-3608.04
f-p2	SLE-R-193	Max P	-17036.55	-176.92	811.07	2.98	20340.10	-4431.84
f-p2	SLE-R-193	Min P	-19350.74	-179.80	825.75	3.34	17607.54	-4500.34
f-p2	SLE-R-193	Max M2	-17588.78	-176.41	806.73	3.09	21292.57	-4420.49
f-p2	SLE-R-193	Min M2	-18818.12	-180.57	830.09	3.18	16622.44	-4518.28
f-p2	SLE-R-193	Max M3	-18432.21	-167.00	821.62	1.71	18988.56	-4174.07
f-p2	SLE-R-193	Min M3	-18455.18	-191.51	822.63	4.49	18865.08	-4803.50
f-p2	SLE-R-194	Max P	-17055.48	-180.67	812.43	3.20	20339.55	-4528.04
f-p2	SLE-R-194	Min P	-19339.51	-177.86	798.97	3.12	23125.57	-4461.26
f-p2	SLE-R-194	Max M2	-18840.87	-176.68	794.28	3.10	24076.31	-4432.72
f-p2	SLE-R-194	Min M2	-17558.26	-181.84	817.12	3.22	19388.90	-4556.37
f-p2	SLE-R-194	Max M3	-18430.49	-166.74	801.49	4.53	21807.93	-4173.02
f-p2	SLE-R-194	Min M3	-18445.08	-189.54	803.19	1.82	21744.63	-4758.88
f-p2	SLE-R-195	Max P	-17037.37	-115.20	-823.78	-2.71	-20761.59	-3005.93
f-p2	SLE-R-195	Min P	-19351.57	-118.07	-809.11	-2.35	-23494.14	-3074.43
f-p2	SLE-R-195	Max M2	-17589.60	-114.68	-828.13	-2.61	-19809.11	-2994.58
f-p2	SLE-R-195	Min M2	-18818.95	-118.85	-804.77	-2.51	-24479.24	-3092.37
f-p2	SLE-R-195	Max M3	-18433.04	-105.28	-813.24	-3.99	-22113.13	-2748.16
f-p2	SLE-R-195	Min M3	-18456.01	-129.78	-812.23	-1.21	-22236.60	-3377.59
f-p2	SLE-R-196	Max P	-17056.30	-118.94	-822.43	-2.50	-20762.13	-3102.13
f-p2	SLE-R-196	Min P	-19340.34	-116.13	-835.89	-2.58	-17976.11	-3035.36
f-p2	SLE-R-196	Max M2	-18841.69	-114.95	-840.58	-2.60	-17025.38	-3006.81
f-p2	SLE-R-196	Min M2	-17559.09	-120.12	-817.74	-2.48	-21712.78	-3130.46
f-p2	SLE-R-196	Max M3	-18431.31	-105.01	-833.37	-1.17	-19293.75	-2747.12
f-p2	SLE-R-196	Min M3	-18445.90	-127.81	-831.67	-3.88	-19357.05	-3332.97
f-p2	SLE-R-197	Max P	-17407.02	-178.32	810.81	2.94	20370.83	-4467.85
f-p2	SLE-R-197	Min P	-19721.21	-181.20	825.48	3.30	17638.27	-4536.35
f-p2	SLE-R-197	Max M2	-17959.25	-177.81	806.47	3.04	21323.30	-4456.50
f-p2	SLE-R-197	Min M2	-19188.59	-181.97	829.83	3.14	16653.18	-4554.29
f-p2	SLE-R-197	Max M3	-18802.68	-168.40	821.36	1.66	19019.29	-4210.08
f-p2	SLE-R-197	Min M3	-18825.65	-192.90	822.36	4.44	18895.81	-4839.51
f-p2	SLE-R-198	Max P	-17425.95	-182.07	812.16	3.15	20370.28	-4564.05
f-p2	SLE-R-198	Min P	-19709.98	-179.26	798.70	3.07	23156.30	-4497.27
f-p2	SLE-R-198	Max M2	-19211.34	-178.07	794.01	3.05	24107.04	-4468.73
f-p2	SLE-R-198	Min M2	-17928.73	-183.24	816.86	3.18	19419.64	-4592.38
f-p2	SLE-R-198	Max M3	-18800.96	-168.14	801.22	4.48	21838.66	-4209.03
f-p2	SLE-R-198	Min M3	-18815.55	-190.94	802.92	1.78	21775.36	-4794.89
f-p2	SLE-R-199	Max P	-17407.84	-116.60	-824.05	-2.76	-20730.85	-3041.94
f-p2	SLE-R-199	Min P	-19722.04	-119.47	-809.37	-2.40	-23463.41	-3110.44
f-p2	SLE-R-199	Max M2	-17960.07	-116.08	-828.39	-2.65	-19778.38	-3030.59
f-p2	SLE-R-199	Min M2	-19189.42	-120.25	-805.03	-2.56	-24448.51	-3128.38
f-p2	SLE-R-199	Max M3	-18803.51	-106.68	-813.50	-4.04	-22082.39	-2784.17
f-p2	SLE-R-199	Min M3	-18826.47	-131.18	-812.49	-1.26	-22205.87	-3413.60
f-p2	SLE-R-200	Max P	-17426.77	-120.34	-822.70	-2.55	-20731.40	-3138.14
f-p2	SLE-R-200	Min P	-19710.81	-117.53	-836.16	-2.63	-17945.38	-3071.37
f-p2	SLE-R-200	Max M2	-19212.16	-116.35	-840.84	-2.64	-16994.64	-3042.82
f-p2	SLE-R-200	Min M2	-17929.56	-121.52	-818.00	-2.52	-21682.05	-3166.47
f-p2	SLE-R-200	Max M3	-18801.78	-106.41	-833.64	-1.21	-19263.02	-2783.13
f-p2	SLE-R-200	Min M3	-18816.37	-129.21	-831.94	-3.92	-19326.32	-3368.98
f-p2	SLE-R-201	Max P	-16978.74	-176.96	811.02	2.96	20338.86	-4432.72

f-p2	SLE-R-201	Min P	-19292.93	-179.83	825.69	3.31	17606.30	-4501.22
f-p2	SLE-R-201	Max M2	-17530.97	-176.44	806.68	3.06	21291.33	-4421.38
f-p2	SLE-R-201	Min M2	-18760.31	-180.61	830.04	3.16	16621.20	-4519.16
f-p2	SLE-R-201	Max M3	-18374.40	-167.04	821.57	1.68	18987.31	-4174.96
f-p2	SLE-R-201	Min M3	-18397.37	-191.54	822.57	4.46	18863.84	-4804.38
f-p2	SLE-R-202	Max P	-16997.67	-180.70	812.37	3.17	20338.31	-4528.92
f-p2	SLE-R-202	Min P	-19281.70	-177.89	798.91	3.09	23124.33	-4462.15
f-p2	SLE-R-202	Max M2	-18783.06	-176.71	794.22	3.07	24075.07	-4433.60
f-p2	SLE-R-202	Min M2	-17500.45	-181.88	817.07	3.19	19387.66	-4557.25
f-p2	SLE-R-202	Max M3	-18372.68	-166.77	801.43	4.50	21806.69	-4173.91
f-p2	SLE-R-202	Min M3	-18387.27	-189.57	803.13	1.79	21743.39	-4759.76
f-p2	SLE-R-203	Max P	-16979.56	-115.23	-823.84	-2.74	-20762.83	-3006.82
f-p2	SLE-R-203	Min P	-19293.76	-118.11	-809.16	-2.38	-23495.38	-3075.31
f-p2	SLE-R-203	Max M2	-17531.79	-114.72	-828.18	-2.64	-19810.35	-2995.47
f-p2	SLE-R-203	Min M2	-18761.14	-118.88	-804.82	-2.54	-24480.48	-3093.25
f-p2	SLE-R-203	Max M3	-18375.23	-105.31	-813.29	-4.02	-22114.37	-2749.05
f-p2	SLE-R-203	Min M3	-18398.20	-129.81	-812.28	-1.24	-22237.84	-3378.47
f-p2	SLE-R-204	Max P	-16998.49	-118.98	-822.49	-2.53	-20763.37	-3103.01
f-p2	SLE-R-204	Min P	-19282.53	-116.17	-835.95	-2.61	-17977.35	-3036.24
f-p2	SLE-R-204	Max M2	-18783.88	-114.98	-840.63	-2.63	-17026.62	-3007.69
f-p2	SLE-R-204	Min M2	-17501.28	-120.15	-817.79	-2.50	-21714.02	-3131.34
f-p2	SLE-R-204	Max M3	-18373.50	-105.05	-833.43	-1.20	-19295.00	-2748.00
f-p2	SLE-R-204	Min M3	-18388.09	-127.85	-831.73	-3.90	-19358.30	-3333.86
f-p2	SLE-R-205	Max P	-17349.21	-178.36	810.76	2.91	20369.59	-4468.73
f-p2	SLE-R-205	Min P	-19663.40	-181.23	825.43	3.27	17637.03	-4537.23
f-p2	SLE-R-205	Max M2	-17901.44	-177.84	806.41	3.01	21322.06	-4457.39
f-p2	SLE-R-205	Min M2	-19130.78	-182.01	829.77	3.11	16651.93	-4555.17
f-p2	SLE-R-205	Max M3	-18744.87	-168.44	821.30	1.63	19018.05	-4210.97
f-p2	SLE-R-205	Min M3	-18767.84	-192.94	822.31	4.41	18894.57	-4840.39
f-p2	SLE-R-206	Max P	-17368.14	-182.10	812.11	3.12	20369.04	-4564.93
f-p2	SLE-R-206	Min P	-19652.17	-179.29	798.65	3.04	23155.06	-4498.16
f-p2	SLE-R-206	Max M2	-19153.53	-178.11	793.96	3.02	24105.80	-4469.61
f-p2	SLE-R-206	Min M2	-17870.92	-183.28	816.80	3.15	19418.39	-4593.26
f-p2	SLE-R-206	Max M3	-18743.15	-168.17	801.17	4.45	21837.42	-4209.92
f-p2	SLE-R-206	Min M3	-18757.74	-190.97	802.87	1.75	21774.12	-4795.77
f-p2	SLE-R-207	Max P	-17350.03	-116.63	-824.10	-2.79	-20732.09	-3042.83
f-p2	SLE-R-207	Min P	-19664.23	-119.51	-809.43	-2.43	-23464.65	-3111.32
f-p2	SLE-R-207	Max M2	-17902.26	-116.12	-828.45	-2.68	-19779.62	-3031.48
f-p2	SLE-R-207	Min M2	-19131.61	-120.28	-805.08	-2.59	-24449.75	-3129.26
f-p2	SLE-R-207	Max M3	-18745.70	-106.71	-813.56	-4.07	-22083.64	-2785.06
f-p2	SLE-R-207	Min M3	-18768.66	-131.21	-812.55	-1.28	-22207.11	-3414.48
f-p2	SLE-R-208	Max P	-17368.96	-120.38	-822.75	-2.58	-20732.64	-3139.02
f-p2	SLE-R-208	Min P	-19653.00	-117.57	-836.21	-2.65	-17946.62	-3072.25
f-p2	SLE-R-208	Max M2	-19154.35	-116.38	-840.90	-2.67	-16995.88	-3043.70
f-p2	SLE-R-208	Min M2	-17871.75	-121.55	-818.06	-2.55	-21683.29	-3167.35
f-p2	SLE-R-208	Max M3	-18743.97	-106.44	-833.69	-1.24	-19264.26	-2784.01
f-p2	SLE-R-208	Min M3	-18758.56	-129.25	-831.99	-3.95	-19327.56	-3369.87
f-p2	SLE-R-209	Max P	-17055.99	-261.24	480.19	1.95	12046.69	-6607.73
f-p2	SLE-R-209	Min P	-19370.18	-264.12	494.87	2.31	9314.13	-6676.23
f-p2	SLE-R-209	Max M2	-17608.22	-260.73	475.85	2.06	12999.16	-6596.38
f-p2	SLE-R-209	Min M2	-18837.57	-264.89	499.21	2.15	8329.03	-6694.17

f-p2	SLE-R-209	Max M3	-18451.66	-251.32	490.74	0.68	10695.14	-6349.96
f-p2	SLE-R-209	Min M3	-18474.62	-275.82	491.75	3.46	10571.67	-6979.39
f-p2	SLE-R-210	Max P	-17074.92	-264.99	481.54	2.17	12046.14	-6703.93
f-p2	SLE-R-210	Min P	-19358.96	-262.18	468.09	2.09	14832.16	-6637.15
f-p2	SLE-R-210	Max M2	-18860.31	-260.99	463.40	2.07	15782.90	-6608.61
f-p2	SLE-R-210	Min M2	-17577.71	-266.16	486.24	2.19	11095.49	-6732.26
f-p2	SLE-R-210	Max M3	-18449.93	-251.05	470.61	3.50	13514.52	-6348.91
f-p2	SLE-R-210	Min M3	-18464.52	-273.86	472.30	0.79	13451.22	-6934.77
f-p2	SLE-R-211	Max P	-17056.48	-224.21	-500.72	-1.46	-12614.32	-5752.19
f-p2	SLE-R-211	Min P	-19370.68	-227.08	-486.05	-1.11	-15346.88	-5820.68
f-p2	SLE-R-211	Max M2	-17608.71	-223.69	-505.07	-1.36	-11661.85	-5740.84
f-p2	SLE-R-211	Min M2	-18838.06	-227.85	-481.70	-1.27	-16331.98	-5838.62
f-p2	SLE-R-211	Max M3	-18452.15	-214.29	-490.18	-2.74	-13965.86	-5494.42
f-p2	SLE-R-211	Min M3	-18475.12	-238.79	-489.17	0.04	-14089.34	-6123.84
f-p2	SLE-R-212	Max P	-17075.42	-227.95	-499.37	-1.25	-12614.87	-5848.38
f-p2	SLE-R-212	Min P	-19359.45	-225.14	-512.83	-1.33	-9828.85	-5781.61
f-p2	SLE-R-212	Max M2	-18860.81	-223.96	-517.52	-1.35	-8878.11	-5753.06
f-p2	SLE-R-212	Min M2	-17578.20	-229.13	-494.67	-1.23	-13565.52	-5876.71
f-p2	SLE-R-212	Max M3	-18450.43	-214.02	-510.31	0.08	-11146.49	-5493.37
f-p2	SLE-R-212	Min M3	-18465.02	-236.82	-508.61	-2.63	-11209.79	-6079.23
f-p2	SLE-R-213	Max P	-17426.46	-262.64	479.93	1.91	12077.42	-6643.74
f-p2	SLE-R-213	Min P	-19740.65	-265.52	494.60	2.27	9344.86	-6712.24
f-p2	SLE-R-213	Max M2	-17978.69	-262.13	475.59	2.01	13029.89	-6632.39
f-p2	SLE-R-213	Min M2	-19208.04	-266.29	498.95	2.11	8359.77	-6730.18
f-p2	SLE-R-213	Max M3	-18822.13	-252.72	490.47	0.63	10725.88	-6385.97
f-p2	SLE-R-213	Min M3	-18845.09	-277.22	491.48	3.41	10602.40	-7015.40
f-p2	SLE-R-214	Max P	-17445.39	-266.38	481.28	2.12	12076.87	-6739.94
f-p2	SLE-R-214	Min P	-19729.42	-263.57	467.82	2.04	14862.89	-6673.17
f-p2	SLE-R-214	Max M2	-19230.78	-262.39	463.13	2.02	15813.63	-6644.62
f-p2	SLE-R-214	Min M2	-17948.18	-267.56	485.98	2.14	11126.22	-6768.27
f-p2	SLE-R-214	Max M3	-18820.40	-252.45	470.34	3.45	13545.25	-6384.93
f-p2	SLE-R-214	Min M3	-18834.99	-275.26	472.04	0.74	13481.95	-6970.78
f-p2	SLE-R-215	Max P	-17426.95	-225.60	-500.99	-1.51	-12583.59	-5788.20
f-p2	SLE-R-215	Min P	-19741.15	-228.48	-486.31	-1.15	-15316.15	-5856.69
f-p2	SLE-R-215	Max M2	-17979.18	-225.09	-505.33	-1.41	-11631.12	-5776.85
f-p2	SLE-R-215	Min M2	-19208.53	-229.25	-481.97	-1.31	-16301.24	-5874.63
f-p2	SLE-R-215	Max M3	-18822.62	-215.68	-490.44	-2.79	-13935.13	-5530.43
f-p2	SLE-R-215	Min M3	-18845.59	-240.19	-489.43	-0.01	-14058.61	-6159.86
f-p2	SLE-R-216	Max P	-17445.89	-229.35	-499.64	-1.30	-12584.14	-5884.39
f-p2	SLE-R-216	Min P	-19729.92	-226.54	-513.09	-1.38	-9798.12	-5817.62
f-p2	SLE-R-216	Max M2	-19231.28	-225.36	-517.78	-1.40	-8847.38	-5789.08
f-p2	SLE-R-216	Min M2	-17948.67	-230.52	-494.94	-1.27	-13534.78	-5912.72
f-p2	SLE-R-216	Max M3	-18820.90	-215.42	-510.57	0.03	-11115.76	-5529.38
f-p2	SLE-R-216	Min M3	-18835.49	-238.22	-508.88	-2.67	-11179.06	-6115.24
f-p2	SLE-R-217	Max P	-16959.64	-261.30	480.10	1.91	12044.62	-6609.20
f-p2	SLE-R-217	Min P	-19273.83	-264.17	494.78	2.26	9312.06	-6677.70
f-p2	SLE-R-217	Max M2	-17511.87	-260.78	475.76	2.01	12997.09	-6597.86
f-p2	SLE-R-217	Min M2	-18741.22	-264.95	499.12	2.11	8326.96	-6695.64
f-p2	SLE-R-217	Max M3	-18355.31	-251.38	490.65	0.63	10693.08	-6351.44
f-p2	SLE-R-217	Min M3	-18378.27	-275.88	491.66	3.41	10569.60	-6980.86
f-p2	SLE-R-218	Max P	-16978.57	-265.04	481.45	2.12	12044.07	-6705.40

f-p2	SLE-R-218	Min P	-19262.61	-262.23	467.99	2.04	14830.09	-6638.63
f-p2	SLE-R-218	Max M2	-18763.96	-261.05	463.31	2.02	15780.83	-6610.08
f-p2	SLE-R-218	Min M2	-17481.36	-266.22	486.15	2.14	11093.42	-6733.73
f-p2	SLE-R-218	Max M3	-18353.58	-251.11	470.51	3.45	13512.45	-6350.39
f-p2	SLE-R-218	Min M3	-18368.17	-273.91	472.21	0.74	13449.15	-6936.24
f-p2	SLE-R-219	Max P	-16960.13	-224.26	-500.81	-1.51	-12616.39	-5753.66
f-p2	SLE-R-219	Min P	-19274.33	-227.14	-486.14	-1.15	-15348.95	-5822.16
f-p2	SLE-R-219	Max M2	-17512.36	-223.75	-505.16	-1.41	-11663.92	-5742.31
f-p2	SLE-R-219	Min M2	-18741.71	-227.91	-481.79	-1.31	-16334.04	-5840.10
f-p2	SLE-R-219	Max M3	-18355.80	-214.34	-490.27	-2.79	-13967.93	-5495.89
f-p2	SLE-R-219	Min M3	-18378.77	-238.84	-489.26	-0.01	-14091.41	-6125.32
f-p2	SLE-R-220	Max P	-16979.07	-228.01	-499.46	-1.30	-12616.94	-5849.86
f-p2	SLE-R-220	Min P	-19263.10	-225.20	-512.92	-1.38	-9830.92	-5783.08
f-p2	SLE-R-220	Max M2	-18764.46	-224.01	-517.61	-1.40	-8880.18	-5754.54
f-p2	SLE-R-220	Min M2	-17481.85	-229.18	-494.77	-1.28	-13567.58	-5878.19
f-p2	SLE-R-220	Max M3	-18354.08	-214.08	-510.40	0.03	-11148.56	-5494.84
f-p2	SLE-R-220	Min M3	-18368.67	-236.88	-508.70	-2.68	-11211.86	-6080.70
f-p2	SLE-R-221	Max P	-17330.11	-262.70	479.84	1.86	12075.35	-6645.22
f-p2	SLE-R-221	Min P	-19644.30	-265.57	494.51	2.22	9342.80	-6713.71
f-p2	SLE-R-221	Max M2	-17882.34	-262.18	475.49	1.96	13027.82	-6633.87
f-p2	SLE-R-221	Min M2	-19111.69	-266.35	498.86	2.06	8357.70	-6731.65
f-p2	SLE-R-221	Max M3	-18725.78	-252.78	490.38	0.58	10723.81	-6387.45
f-p2	SLE-R-221	Min M3	-18748.74	-277.28	491.39	3.36	10600.33	-7016.87
f-p2	SLE-R-222	Max P	-17349.04	-266.44	481.19	2.07	12074.81	-6741.41
f-p2	SLE-R-222	Min P	-19633.07	-263.63	467.73	1.99	14860.83	-6674.64
f-p2	SLE-R-222	Max M2	-19134.43	-262.45	463.04	1.97	15811.56	-6646.09
f-p2	SLE-R-222	Min M2	-17851.83	-267.62	485.89	2.10	11124.16	-6769.74
f-p2	SLE-R-222	Max M3	-18724.05	-252.51	470.25	3.40	13543.18	-6386.40
f-p2	SLE-R-222	Min M3	-18738.64	-275.31	471.95	0.70	13479.88	-6972.25
f-p2	SLE-R-223	Max P	-17330.60	-225.66	-501.08	-1.56	-12585.66	-5789.67
f-p2	SLE-R-223	Min P	-19644.80	-228.54	-486.40	-1.20	-15318.21	-5858.17
f-p2	SLE-R-223	Max M2	-17882.83	-225.15	-505.42	-1.46	-11633.19	-5778.32
f-p2	SLE-R-223	Min M2	-19112.18	-229.31	-482.06	-1.36	-16303.31	-5876.11
f-p2	SLE-R-223	Max M3	-18726.27	-215.74	-490.53	-2.84	-13937.20	-5531.90
f-p2	SLE-R-223	Min M3	-18749.24	-240.24	-489.52	-0.06	-14060.68	-6161.33
f-p2	SLE-R-224	Max P	-17349.54	-229.41	-499.73	-1.35	-12586.20	-5885.87
f-p2	SLE-R-224	Min P	-19633.57	-226.60	-513.19	-1.43	-9800.18	-5819.09
f-p2	SLE-R-224	Max M2	-19134.93	-225.41	-517.87	-1.45	-8849.45	-5790.55
f-p2	SLE-R-224	Min M2	-17852.32	-230.58	-495.03	-1.32	-13536.85	-5914.20
f-p2	SLE-R-224	Max M3	-18724.55	-215.47	-510.66	-0.02	-11117.83	-5530.85
f-p2	SLE-R-224	Min M3	-18739.14	-238.28	-508.97	-2.72	-11181.13	-6116.71

12.1.19. PILA 2-SOLLECITAZIONI FONDAZIONE-COMBINAZIONI SLE FREQUENTI

TABLE: Element Forces - Frames								
Frame	OutputCase	StepType	P	V2	V3	T	M2	M3
Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
f-p2	SLE-FR-1	Max P	-17032.07	124.27	3.97	-0.11	111.08	3164.78
f-p2	SLE-FR-1	Min P	-19346.27	121.39	18.65	0.25	-2621.48	3096.28
f-p2	SLE-FR-1	Max M2	-17584.30	124.79	-0.37	-0.01	1063.55	3176.13

f-p2	SLE-FR-1	Min M2	-18813.65	120.62	22.99	0.09	-3606.57	3078.34
f-p2	SLE-FR-1	Max M3	-18427.74	134.19	14.52	-1.39	-1240.46	3422.54
f-p2	SLE-FR-1	Min M3	-18450.71	109.69	15.53	1.39	-1363.94	2793.12
f-p2	SLE-FR-2	Max P	-17051.01	120.53	5.32	0.10	110.53	3068.58
f-p2	SLE-FR-2	Min P	-19335.04	123.34	-8.13	0.02	2896.55	3135.35
f-p2	SLE-FR-2	Max M2	-18836.40	124.52	-12.82	0.00	3847.29	3163.90
f-p2	SLE-FR-2	Min M2	-17553.79	119.35	10.02	0.13	-840.11	3040.25
f-p2	SLE-FR-2	Max M3	-18426.02	134.46	-5.61	1.43	1578.91	3423.59
f-p2	SLE-FR-2	Min M3	-18440.61	111.66	-3.92	-1.27	1515.61	2837.74
f-p2	SLE-FR-3	Max P	-17402.54	122.87	3.71	-0.16	141.81	3128.77
f-p2	SLE-FR-3	Min P	-19716.74	120.00	18.38	0.20	-2590.74	3060.27
f-p2	SLE-FR-3	Max M2	-17954.77	123.39	-0.63	-0.05	1094.28	3140.11
f-p2	SLE-FR-3	Min M2	-19184.12	119.22	22.73	0.04	-3575.84	3042.33
f-p2	SLE-FR-3	Max M3	-18798.21	132.79	14.25	-1.43	-1209.73	3386.53
f-p2	SLE-FR-3	Min M3	-18821.18	108.29	15.26	1.35	-1333.21	2757.11
f-p2	SLE-FR-4	Max P	-17421.48	119.13	5.06	0.06	141.27	3032.57
f-p2	SLE-FR-4	Min P	-19705.51	121.94	-8.40	-0.02	2927.29	3099.34
f-p2	SLE-FR-4	Max M2	-19206.87	123.12	-13.09	-0.04	3878.02	3127.89
f-p2	SLE-FR-4	Min M2	-17924.26	117.95	9.76	0.08	-809.38	3004.24
f-p2	SLE-FR-4	Max M3	-18796.49	133.06	-5.88	1.39	1609.64	3387.58
f-p2	SLE-FR-4	Min M3	-18811.08	110.26	-4.18	-1.32	1546.34	2801.73
f-p2	SLE-FR-5	Max P	-17032.07	124.27	3.97	-0.11	111.08	3164.78
f-p2	SLE-FR-5	Min P	-19346.27	121.39	18.65	0.25	-2621.48	3096.28
f-p2	SLE-FR-5	Max M2	-17584.30	124.79	-0.37	-0.01	1063.55	3176.13
f-p2	SLE-FR-5	Min M2	-18813.65	120.62	22.99	0.09	-3606.57	3078.34
f-p2	SLE-FR-5	Max M3	-18427.74	134.19	14.52	-1.39	-1240.46	3422.54
f-p2	SLE-FR-5	Min M3	-18450.71	109.69	15.53	1.39	-1363.94	2793.12
f-p2	SLE-FR-6	Max P	-17051.01	120.53	5.32	0.10	110.53	3068.58
f-p2	SLE-FR-6	Min P	-19335.04	123.34	-8.13	0.02	2896.55	3135.35
f-p2	SLE-FR-6	Max M2	-18836.40	124.52	-12.82	0.00	3847.29	3163.90
f-p2	SLE-FR-6	Min M2	-17553.79	119.35	10.02	0.13	-840.11	3040.25
f-p2	SLE-FR-6	Max M3	-18426.02	134.46	-5.61	1.43	1578.91	3423.59
f-p2	SLE-FR-6	Min M3	-18440.61	111.66	-3.92	-1.27	1515.61	2837.74
f-p2	SLE-FR-7	Max P	-17402.54	122.87	3.71	-0.16	141.81	3128.77
f-p2	SLE-FR-7	Min P	-19716.74	120.00	18.38	0.20	-2590.74	3060.27
f-p2	SLE-FR-7	Max M2	-17954.77	123.39	-0.63	-0.05	1094.28	3140.11
f-p2	SLE-FR-7	Min M2	-19184.12	119.22	22.73	0.04	-3575.84	3042.33
f-p2	SLE-FR-7	Max M3	-18798.21	132.79	14.25	-1.43	-1209.73	3386.53
f-p2	SLE-FR-7	Min M3	-18821.18	108.29	15.26	1.35	-1333.21	2757.11
f-p2	SLE-FR-8	Max P	-17421.48	119.13	5.06	0.06	141.27	3032.57
f-p2	SLE-FR-8	Min P	-19705.51	121.94	-8.40	-0.02	2927.29	3099.34
f-p2	SLE-FR-8	Max M2	-19206.87	123.12	-13.09	-0.04	3878.02	3127.89
f-p2	SLE-FR-8	Min M2	-17924.26	117.95	9.76	0.08	-809.38	3004.24
f-p2	SLE-FR-8	Max M3	-18796.49	133.06	-5.88	1.39	1609.64	3387.58
f-p2	SLE-FR-8	Min M3	-18811.08	110.26	-4.18	-1.32	1546.34	2801.73
f-p2	SLE-FR-9	Max P	-16983.90	124.24	3.93	-0.13	110.05	3164.04
f-p2	SLE-FR-9	Min P	-19298.10	121.37	18.60	0.23	-2622.51	3095.54
f-p2	SLE-FR-9	Max M2	-17536.13	124.76	-0.42	-0.03	1062.52	3175.39
f-p2	SLE-FR-9	Min M2	-18765.48	120.59	22.95	0.07	-3607.61	3077.60
f-p2	SLE-FR-9	Max M3	-18379.57	134.16	14.47	-1.41	-1241.50	3421.81
f-p2	SLE-FR-9	Min M3	-18402.54	109.66	15.48	1.37	-1364.97	2792.38

f-p2	SLE-FR-10	Max P	-17002.83	120.50	5.28	0.08	109.50	3067.84
f-p2	SLE-FR-10	Min P	-19286.87	123.31	-8.18	0.00	2895.52	3134.62
f-p2	SLE-FR-10	Max M2	-18788.22	124.49	-12.87	-0.02	3846.26	3163.16
f-p2	SLE-FR-10	Min M2	-17505.62	119.32	9.98	0.10	-841.15	3039.51
f-p2	SLE-FR-10	Max M3	-18377.84	134.43	-5.66	1.41	1577.88	3422.86
f-p2	SLE-FR-10	Min M3	-18392.44	111.63	-3.96	-1.30	1514.58	2837.00
f-p2	SLE-FR-11	Max P	-17354.37	122.84	3.66	-0.18	140.78	3128.03
f-p2	SLE-FR-11	Min P	-19668.57	119.97	18.34	0.18	-2591.78	3059.53
f-p2	SLE-FR-11	Max M2	-17906.60	123.36	-0.68	-0.08	1093.25	3139.38
f-p2	SLE-FR-11	Min M2	-19135.95	119.19	22.68	0.02	-3576.88	3041.59
f-p2	SLE-FR-11	Max M3	-18750.04	132.76	14.21	-1.46	-1210.76	3385.80
f-p2	SLE-FR-11	Min M3	-18773.01	108.26	15.22	1.32	-1334.24	2756.37
f-p2	SLE-FR-12	Max P	-17373.30	119.10	5.02	0.03	140.23	3031.83
f-p2	SLE-FR-12	Min P	-19657.34	121.91	-8.44	-0.05	2926.25	3098.61
f-p2	SLE-FR-12	Max M2	-19158.69	123.09	-13.13	-0.07	3876.99	3127.15
f-p2	SLE-FR-12	Min M2	-17876.09	117.92	9.71	0.06	-810.42	3003.50
f-p2	SLE-FR-12	Max M3	-18748.31	133.03	-5.92	1.36	1608.61	3386.85
f-p2	SLE-FR-12	Min M3	-18762.91	110.23	-4.23	-1.34	1545.31	2800.99
f-p2	SLE-FR-13	Max P	-16983.90	124.24	3.93	-0.13	110.05	3164.04
f-p2	SLE-FR-13	Min P	-19298.10	121.37	18.60	0.23	-2622.51	3095.54
f-p2	SLE-FR-13	Max M2	-17536.13	124.76	-0.42	-0.03	1062.52	3175.39
f-p2	SLE-FR-13	Min M2	-18765.48	120.59	22.95	0.07	-3607.61	3077.60
f-p2	SLE-FR-13	Max M3	-18379.57	134.16	14.47	-1.41	-1241.50	3421.81
f-p2	SLE-FR-13	Min M3	-18402.54	109.66	15.48	1.37	-1364.97	2792.38
f-p2	SLE-FR-14	Max P	-17002.83	120.50	5.28	0.08	109.50	3067.84
f-p2	SLE-FR-14	Min P	-19286.87	123.31	-8.18	0.00	2895.52	3134.62
f-p2	SLE-FR-14	Max M2	-18788.22	124.49	-12.87	-0.02	3846.26	3163.16
f-p2	SLE-FR-14	Min M2	-17505.62	119.32	9.98	0.10	-841.15	3039.51
f-p2	SLE-FR-14	Max M3	-18377.84	134.43	-5.66	1.41	1577.88	3422.86
f-p2	SLE-FR-14	Min M3	-18392.44	111.63	-3.96	-1.30	1514.58	2837.00
f-p2	SLE-FR-15	Max P	-17354.37	122.84	3.66	-0.18	140.78	3128.03
f-p2	SLE-FR-15	Min P	-19668.57	119.97	18.34	0.18	-2591.78	3059.53
f-p2	SLE-FR-15	Max M2	-17906.60	123.36	-0.68	-0.08	1093.25	3139.38
f-p2	SLE-FR-15	Min M2	-19135.95	119.19	22.68	0.02	-3576.88	3041.59
f-p2	SLE-FR-15	Max M3	-18750.04	132.76	14.21	-1.46	-1210.76	3385.80
f-p2	SLE-FR-15	Min M3	-18773.01	108.26	15.22	1.32	-1334.24	2756.37
f-p2	SLE-FR-16	Max P	-17373.30	119.10	5.02	0.03	140.23	3031.83
f-p2	SLE-FR-16	Min P	-19657.34	121.91	-8.44	-0.05	2926.25	3098.61
f-p2	SLE-FR-16	Max M2	-19158.69	123.09	-13.13	-0.07	3876.99	3127.15
f-p2	SLE-FR-16	Min M2	-17876.09	117.92	9.71	0.06	-810.42	3003.50
f-p2	SLE-FR-16	Max M3	-18748.31	133.03	-5.92	1.36	1608.61	3386.85
f-p2	SLE-FR-16	Min M3	-18762.91	110.23	-4.23	-1.34	1545.31	2800.99
f-p2	SLE-FR-17	Max P	-17306.16	115.86	168.59	0.56	4219.00	2964.77
f-p2	SLE-FR-17	Min P	-17306.16	115.86	168.59	0.56	4219.00	2964.77
f-p2	SLE-FR-17	Max M2	-17306.16	115.86	168.59	0.56	4219.00	2964.77
f-p2	SLE-FR-17	Min M2	-17306.16	115.86	168.59	0.56	4219.00	2964.77
f-p2	SLE-FR-17	Max M3	-17306.16	115.86	168.59	0.56	4219.00	2964.77
f-p2	SLE-FR-17	Min M3	-17306.16	115.86	168.59	0.56	4219.00	2964.77
f-p2	SLE-FR-18	Max P	-17306.32	128.21	-158.39	-0.58	-4001.34	3249.95
f-p2	SLE-FR-18	Min P	-17306.32	128.21	-158.39	-0.58	-4001.34	3249.95
f-p2	SLE-FR-18	Max M2	-17306.32	128.21	-158.39	-0.58	-4001.34	3249.95

f-p2	SLE-FR-18	Min M2	-17306.32	128.21	-158.39	-0.58	-4001.34	3249.95
f-p2	SLE-FR-18	Max M3	-17306.32	128.21	-158.39	-0.58	-4001.34	3249.95
f-p2	SLE-FR-18	Min M3	-17306.32	128.21	-158.39	-0.58	-4001.34	3249.95
f-p2	SLE-FR-19	Max P	-17676.63	114.46	168.32	0.51	4249.73	2928.76
f-p2	SLE-FR-19	Min P	-17676.63	114.46	168.32	0.51	4249.73	2928.76
f-p2	SLE-FR-19	Max M2	-17676.63	114.46	168.32	0.51	4249.73	2928.76
f-p2	SLE-FR-19	Min M2	-17676.63	114.46	168.32	0.51	4249.73	2928.76
f-p2	SLE-FR-19	Max M3	-17676.63	114.46	168.32	0.51	4249.73	2928.76
f-p2	SLE-FR-19	Min M3	-17676.63	114.46	168.32	0.51	4249.73	2928.76
f-p2	SLE-FR-20	Max P	-17676.79	126.81	-158.65	-0.62	-3970.61	3213.94
f-p2	SLE-FR-20	Min P	-17676.79	126.81	-158.65	-0.62	-3970.61	3213.94
f-p2	SLE-FR-20	Max M2	-17676.79	126.81	-158.65	-0.62	-3970.61	3213.94
f-p2	SLE-FR-20	Min M2	-17676.79	126.81	-158.65	-0.62	-3970.61	3213.94
f-p2	SLE-FR-20	Max M3	-17676.79	126.81	-158.65	-0.62	-3970.61	3213.94
f-p2	SLE-FR-20	Min M3	-17676.79	126.81	-158.65	-0.62	-3970.61	3213.94
f-p2	SLE-FR-21	Max P	-17257.98	115.83	168.54	0.54	4217.96	2964.03
f-p2	SLE-FR-21	Min P	-17257.98	115.83	168.54	0.54	4217.96	2964.03
f-p2	SLE-FR-21	Max M2	-17257.98	115.83	168.54	0.54	4217.96	2964.03
f-p2	SLE-FR-21	Min M2	-17257.98	115.83	168.54	0.54	4217.96	2964.03
f-p2	SLE-FR-21	Max M3	-17257.98	115.83	168.54	0.54	4217.96	2964.03
f-p2	SLE-FR-21	Min M3	-17257.98	115.83	168.54	0.54	4217.96	2964.03
f-p2	SLE-FR-22	Max P	-17258.15	128.18	-158.43	-0.60	-4002.37	3249.21
f-p2	SLE-FR-22	Min P	-17258.15	128.18	-158.43	-0.60	-4002.37	3249.21
f-p2	SLE-FR-22	Max M2	-17258.15	128.18	-158.43	-0.60	-4002.37	3249.21
f-p2	SLE-FR-22	Min M2	-17258.15	128.18	-158.43	-0.60	-4002.37	3249.21
f-p2	SLE-FR-22	Max M3	-17258.15	128.18	-158.43	-0.60	-4002.37	3249.21
f-p2	SLE-FR-22	Min M3	-17258.15	128.18	-158.43	-0.60	-4002.37	3249.21
f-p2	SLE-FR-23	Max P	-17628.45	114.44	168.28	0.49	4248.70	2928.02
f-p2	SLE-FR-23	Min P	-17628.45	114.44	168.28	0.49	4248.70	2928.02
f-p2	SLE-FR-23	Max M2	-17628.45	114.44	168.28	0.49	4248.70	2928.02
f-p2	SLE-FR-23	Min M2	-17628.45	114.44	168.28	0.49	4248.70	2928.02
f-p2	SLE-FR-23	Max M3	-17628.45	114.44	168.28	0.49	4248.70	2928.02
f-p2	SLE-FR-23	Min M3	-17628.45	114.44	168.28	0.49	4248.70	2928.02
f-p2	SLE-FR-24	Max P	-17628.62	126.78	-158.70	-0.65	-3971.64	3213.20
f-p2	SLE-FR-24	Min P	-17628.62	126.78	-158.70	-0.65	-3971.64	3213.20
f-p2	SLE-FR-24	Max M2	-17628.62	126.78	-158.70	-0.65	-3971.64	3213.20
f-p2	SLE-FR-24	Min M2	-17628.62	126.78	-158.70	-0.65	-3971.64	3213.20
f-p2	SLE-FR-24	Max M3	-17628.62	126.78	-158.70	-0.65	-3971.64	3213.20
f-p2	SLE-FR-24	Min M3	-17628.62	126.78	-158.70	-0.65	-3971.64	3213.20
f-p2	SLE-FR-25	Max P	-17311.05	146.85	6.02	-0.03	144.42	3739.20
f-p2	SLE-FR-25	Min P	-17311.05	146.85	6.02	-0.03	144.42	3739.20
f-p2	SLE-FR-25	Max M2	-17311.05	146.85	6.02	-0.03	144.42	3739.20
f-p2	SLE-FR-25	Min M2	-17311.05	146.85	6.02	-0.03	144.42	3739.20
f-p2	SLE-FR-25	Max M3	-17311.05	146.85	6.02	-0.03	144.42	3739.20
f-p2	SLE-FR-25	Min M3	-17311.05	146.85	6.02	-0.03	144.42	3739.20
f-p2	SLE-FR-26	Max P	-17253.24	146.81	5.96	-0.06	143.18	3738.31
f-p2	SLE-FR-26	Min P	-17253.24	146.81	5.96	-0.06	143.18	3738.31
f-p2	SLE-FR-26	Max M2	-17253.24	146.81	5.96	-0.06	143.18	3738.31
f-p2	SLE-FR-26	Min M2	-17253.24	146.81	5.96	-0.06	143.18	3738.31
f-p2	SLE-FR-26	Max M3	-17253.24	146.81	5.96	-0.06	143.18	3738.31
f-p2	SLE-FR-26	Min M3	-17253.24	146.81	5.96	-0.06	143.18	3738.31

f-p2	SLE-FR-27	Max P	-17681.52	145.45	5.75	-0.07	175.16	3703.19
f-p2	SLE-FR-27	Min P	-17681.52	145.45	5.75	-0.07	175.16	3703.19
f-p2	SLE-FR-27	Max M2	-17681.52	145.45	5.75	-0.07	175.16	3703.19
f-p2	SLE-FR-27	Min M2	-17681.52	145.45	5.75	-0.07	175.16	3703.19
f-p2	SLE-FR-27	Max M3	-17681.52	145.45	5.75	-0.07	175.16	3703.19
f-p2	SLE-FR-27	Min M3	-17681.52	145.45	5.75	-0.07	175.16	3703.19
f-p2	SLE-FR-28	Max P	-17623.71	145.41	5.70	-0.10	173.92	3702.30
f-p2	SLE-FR-28	Min P	-17623.71	145.41	5.70	-0.10	173.92	3702.30
f-p2	SLE-FR-28	Max M2	-17623.71	145.41	5.70	-0.10	173.92	3702.30
f-p2	SLE-FR-28	Min M2	-17623.71	145.41	5.70	-0.10	173.92	3702.30
f-p2	SLE-FR-28	Max M3	-17623.71	145.41	5.70	-0.10	173.92	3702.30
f-p2	SLE-FR-28	Min M3	-17623.71	145.41	5.70	-0.10	173.92	3702.30
f-p2	SLE-FR-29	Max P	-17032.12	-119.55	-5.62	0.12	-129.70	-3043.39
f-p2	SLE-FR-29	Min P	-19346.31	-122.42	9.05	0.48	-2862.26	-3111.89
f-p2	SLE-FR-29	Max M2	-17584.35	-119.03	-9.97	0.23	822.77	-3032.04
f-p2	SLE-FR-29	Min M2	-18813.69	-123.20	13.40	0.32	-3847.36	-3129.83
f-p2	SLE-FR-29	Max M3	-18427.78	-109.63	4.92	-1.15	-1481.25	-2785.62
f-p2	SLE-FR-29	Min M3	-18450.75	-134.13	5.93	1.63	-1604.72	-3415.05
f-p2	SLE-FR-30	Max P	-17051.05	-123.29	-4.27	0.34	-130.25	-3139.59
f-p2	SLE-FR-30	Min P	-19335.08	-120.48	-17.73	0.26	2655.77	-3072.82
f-p2	SLE-FR-30	Max M2	-18836.44	-119.30	-22.42	0.24	3606.51	-3044.27
f-p2	SLE-FR-30	Min M2	-17553.83	-124.47	0.43	0.36	-1080.90	-3167.92
f-p2	SLE-FR-30	Max M3	-18426.06	-109.36	-15.21	1.67	1338.13	-2784.58
f-p2	SLE-FR-30	Min M3	-18440.65	-132.16	-13.51	-1.04	1274.83	-3370.43
f-p2	SLE-FR-31	Max P	-17402.59	-120.95	-5.89	0.08	-98.97	-3079.40
f-p2	SLE-FR-31	Min P	-19716.78	-123.82	8.79	0.44	-2831.53	-3147.90
f-p2	SLE-FR-31	Max M2	-17954.81	-120.43	-10.23	0.18	853.50	-3068.05
f-p2	SLE-FR-31	Min M2	-19184.16	-124.60	13.13	0.28	-3816.63	-3165.84
f-p2	SLE-FR-31	Max M3	-18798.25	-111.03	4.66	-1.20	-1450.51	-2821.63
f-p2	SLE-FR-31	Min M3	-18821.22	-135.53	5.67	1.58	-1573.99	-3451.06
f-p2	SLE-FR-32	Max P	-17421.52	-124.69	-4.54	0.29	-99.52	-3175.60
f-p2	SLE-FR-32	Min P	-19705.55	-121.88	-18.00	0.21	2686.50	-3108.83
f-p2	SLE-FR-32	Max M2	-19206.91	-120.70	-22.68	0.19	3637.24	-3080.28
f-p2	SLE-FR-32	Min M2	-17924.30	-125.87	0.16	0.31	-1050.17	-3203.93
f-p2	SLE-FR-32	Max M3	-18796.53	-110.76	-15.48	1.62	1368.86	-2820.59
f-p2	SLE-FR-32	Min M3	-18811.12	-133.56	-13.78	-1.09	1305.56	-3406.44
f-p2	SLE-FR-33	Max P	-17032.12	-119.55	-5.62	0.12	-129.70	-3043.39
f-p2	SLE-FR-33	Min P	-19346.31	-122.42	9.05	0.48	-2862.26	-3111.89
f-p2	SLE-FR-33	Max M2	-17584.35	-119.03	-9.97	0.23	822.77	-3032.04
f-p2	SLE-FR-33	Min M2	-18813.69	-123.20	13.40	0.32	-3847.36	-3129.83
f-p2	SLE-FR-33	Max M3	-18427.78	-109.63	4.92	-1.15	-1481.25	-2785.62
f-p2	SLE-FR-33	Min M3	-18450.75	-134.13	5.93	1.63	-1604.72	-3415.05
f-p2	SLE-FR-34	Max P	-17051.05	-123.29	-4.27	0.34	-130.25	-3139.59
f-p2	SLE-FR-34	Min P	-19335.08	-120.48	-17.73	0.26	2655.77	-3072.82
f-p2	SLE-FR-34	Max M2	-18836.44	-119.30	-22.42	0.24	3606.51	-3044.27
f-p2	SLE-FR-34	Min M2	-17553.83	-124.47	0.43	0.36	-1080.90	-3167.92
f-p2	SLE-FR-34	Max M3	-18426.06	-109.36	-15.21	1.67	1338.13	-2784.58
f-p2	SLE-FR-34	Min M3	-18440.65	-132.16	-13.51	-1.04	1274.83	-3370.43
f-p2	SLE-FR-35	Max P	-17402.59	-120.95	-5.89	0.08	-98.97	-3079.40
f-p2	SLE-FR-35	Min P	-19716.78	-123.82	8.79	0.44	-2831.53	-3147.90
f-p2	SLE-FR-35	Max M2	-17954.81	-120.43	-10.23	0.18	853.50	-3068.05

f-p2	SLE-FR-35	Min M2	-19184.16	-124.60	13.13	0.28	-3816.63	-3165.84
f-p2	SLE-FR-35	Max M3	-18798.25	-111.03	4.66	-1.20	-1450.51	-2821.63
f-p2	SLE-FR-35	Min M3	-18821.22	-135.53	5.67	1.58	-1573.99	-3451.06
f-p2	SLE-FR-36	Max P	-17421.52	-124.69	-4.54	0.29	-99.52	-3175.60
f-p2	SLE-FR-36	Min P	-19705.55	-121.88	-18.00	0.21	2686.50	-3108.83
f-p2	SLE-FR-36	Max M2	-19206.91	-120.70	-22.68	0.19	3637.24	-3080.28
f-p2	SLE-FR-36	Min M2	-17924.30	-125.87	0.16	0.31	-1050.17	-3203.93
f-p2	SLE-FR-36	Max M3	-18796.53	-110.76	-15.48	1.62	1368.86	-2820.59
f-p2	SLE-FR-36	Min M3	-18811.12	-133.56	-13.78	-1.09	1305.56	-3406.44
f-p2	SLE-FR-37	Max P	-16983.94	-119.58	-5.67	0.10	-130.74	-3044.13
f-p2	SLE-FR-37	Min P	-19298.14	-122.45	9.01	0.46	-2863.29	-3112.63
f-p2	SLE-FR-37	Max M2	-17536.17	-119.06	-10.01	0.20	821.73	-3032.78
f-p2	SLE-FR-37	Min M2	-18765.52	-123.23	13.35	0.30	-3848.39	-3130.57
f-p2	SLE-FR-37	Max M3	-18379.61	-109.66	4.88	-1.18	-1482.28	-2786.36
f-p2	SLE-FR-37	Min M3	-18402.58	-134.16	5.89	1.60	-1605.76	-3415.79
f-p2	SLE-FR-38	Max P	-17002.87	-123.32	-4.32	0.31	-131.28	-3140.33
f-p2	SLE-FR-38	Min P	-19286.91	-120.51	-17.78	0.23	2654.74	-3073.55
f-p2	SLE-FR-38	Max M2	-18788.27	-119.33	-22.47	0.21	3605.47	-3045.01
f-p2	SLE-FR-38	Min M2	-17505.66	-124.50	0.38	0.34	-1081.93	-3168.65
f-p2	SLE-FR-38	Max M3	-18377.88	-109.39	-15.26	1.64	1337.09	-2785.31
f-p2	SLE-FR-38	Min M3	-18392.48	-132.19	-13.56	-1.06	1273.79	-3371.17
f-p2	SLE-FR-39	Max P	-17354.41	-120.97	-5.93	0.05	-100.01	-3080.14
f-p2	SLE-FR-39	Min P	-19668.61	-123.85	8.74	0.41	-2832.56	-3148.64
f-p2	SLE-FR-39	Max M2	-17906.64	-120.46	-10.28	0.16	852.47	-3068.79
f-p2	SLE-FR-39	Min M2	-19135.99	-124.62	13.09	0.25	-3817.66	-3166.58
f-p2	SLE-FR-39	Max M3	-18750.08	-111.06	4.61	-1.22	-1451.55	-2822.37
f-p2	SLE-FR-39	Min M3	-18773.05	-135.56	5.62	1.56	-1575.02	-3451.80
f-p2	SLE-FR-40	Max P	-17373.34	-124.72	-4.58	0.27	-100.55	-3176.34
f-p2	SLE-FR-40	Min P	-19657.38	-121.91	-18.04	0.19	2685.47	-3109.56
f-p2	SLE-FR-40	Max M2	-19158.73	-120.73	-22.73	0.17	3636.20	-3081.02
f-p2	SLE-FR-40	Min M2	-17876.13	-125.90	0.12	0.29	-1051.20	-3204.67
f-p2	SLE-FR-40	Max M3	-18748.35	-110.79	-15.52	1.60	1367.83	-2821.32
f-p2	SLE-FR-40	Min M3	-18762.95	-133.59	-13.82	-1.11	1304.53	-3407.18
f-p2	SLE-FR-41	Max P	-16983.94	-119.58	-5.67	0.10	-130.74	-3044.13
f-p2	SLE-FR-41	Min P	-19298.14	-122.45	9.01	0.46	-2863.29	-3112.63
f-p2	SLE-FR-41	Max M2	-17536.17	-119.06	-10.01	0.20	821.73	-3032.78
f-p2	SLE-FR-41	Min M2	-18765.52	-123.23	13.35	0.30	-3848.39	-3130.57
f-p2	SLE-FR-41	Max M3	-18379.61	-109.66	4.88	-1.18	-1482.28	-2786.36
f-p2	SLE-FR-41	Min M3	-18402.58	-134.16	5.89	1.60	-1605.76	-3415.79
f-p2	SLE-FR-42	Max P	-17002.87	-123.32	-4.32	0.31	-131.28	-3140.33
f-p2	SLE-FR-42	Min P	-19286.91	-120.51	-17.78	0.23	2654.74	-3073.55
f-p2	SLE-FR-42	Max M2	-18788.27	-119.33	-22.47	0.21	3605.47	-3045.01
f-p2	SLE-FR-42	Min M2	-17505.66	-124.50	0.38	0.34	-1081.93	-3168.65
f-p2	SLE-FR-42	Max M3	-18377.88	-109.39	-15.26	1.64	1337.09	-2785.31
f-p2	SLE-FR-42	Min M3	-18392.48	-132.19	-13.56	-1.06	1273.79	-3371.17
f-p2	SLE-FR-43	Max P	-17354.41	-120.97	-5.93	0.05	-100.01	-3080.14
f-p2	SLE-FR-43	Min P	-19668.61	-123.85	8.74	0.41	-2832.56	-3148.64
f-p2	SLE-FR-43	Max M2	-17906.64	-120.46	-10.28	0.16	852.47	-3068.79
f-p2	SLE-FR-43	Min M2	-19135.99	-124.62	13.09	0.25	-3817.66	-3166.58
f-p2	SLE-FR-43	Max M3	-18750.08	-111.06	4.61	-1.22	-1451.55	-2822.37
f-p2	SLE-FR-43	Min M3	-18773.05	-135.56	5.62	1.56	-1575.02	-3451.80

f-p2	SLE-FR-44	Max P	-17373.34	-124.72	-4.58	0.27	-100.55	-3176.34
f-p2	SLE-FR-44	Min P	-19657.38	-121.91	-18.04	0.19	2685.47	-3109.56
f-p2	SLE-FR-44	Max M2	-19158.73	-120.73	-22.73	0.17	3636.20	-3081.02
f-p2	SLE-FR-44	Min M2	-17876.13	-125.90	0.12	0.29	-1051.20	-3204.67
f-p2	SLE-FR-44	Max M3	-18748.35	-110.79	-15.52	1.60	1367.83	-2821.32
f-p2	SLE-FR-44	Min M3	-18762.95	-133.59	-13.82	-1.11	1304.53	-3407.18
f-p2	SLE-FR-45	Max P	-17306.20	-127.96	158.99	0.79	3978.21	-3243.40
f-p2	SLE-FR-45	Min P	-17306.20	-127.96	158.99	0.79	3978.21	-3243.40
f-p2	SLE-FR-45	Max M2	-17306.20	-127.96	158.99	0.79	3978.21	-3243.40
f-p2	SLE-FR-45	Min M2	-17306.20	-127.96	158.99	0.79	3978.21	-3243.40
f-p2	SLE-FR-45	Max M3	-17306.20	-127.96	158.99	0.79	3978.21	-3243.40
f-p2	SLE-FR-45	Min M3	-17306.20	-127.96	158.99	0.79	3978.21	-3243.40
f-p2	SLE-FR-46	Max P	-17306.36	-115.61	-167.98	-0.34	-4242.12	-2958.22
f-p2	SLE-FR-46	Min P	-17306.36	-115.61	-167.98	-0.34	-4242.12	-2958.22
f-p2	SLE-FR-46	Max M2	-17306.36	-115.61	-167.98	-0.34	-4242.12	-2958.22
f-p2	SLE-FR-46	Min M2	-17306.36	-115.61	-167.98	-0.34	-4242.12	-2958.22
f-p2	SLE-FR-46	Max M3	-17306.36	-115.61	-167.98	-0.34	-4242.12	-2958.22
f-p2	SLE-FR-46	Min M3	-17306.36	-115.61	-167.98	-0.34	-4242.12	-2958.22
f-p2	SLE-FR-47	Max P	-17676.67	-129.36	158.72	0.75	4008.95	-3279.41
f-p2	SLE-FR-47	Min P	-17676.67	-129.36	158.72	0.75	4008.95	-3279.41
f-p2	SLE-FR-47	Max M2	-17676.67	-129.36	158.72	0.75	4008.95	-3279.41
f-p2	SLE-FR-47	Min M2	-17676.67	-129.36	158.72	0.75	4008.95	-3279.41
f-p2	SLE-FR-47	Max M3	-17676.67	-129.36	158.72	0.75	4008.95	-3279.41
f-p2	SLE-FR-47	Min M3	-17676.67	-129.36	158.72	0.75	4008.95	-3279.41
f-p2	SLE-FR-48	Max P	-17676.83	-117.01	-168.25	-0.39	-4211.39	-2994.23
f-p2	SLE-FR-48	Min P	-17676.83	-117.01	-168.25	-0.39	-4211.39	-2994.23
f-p2	SLE-FR-48	Max M2	-17676.83	-117.01	-168.25	-0.39	-4211.39	-2994.23
f-p2	SLE-FR-48	Min M2	-17676.83	-117.01	-168.25	-0.39	-4211.39	-2994.23
f-p2	SLE-FR-48	Max M3	-17676.83	-117.01	-168.25	-0.39	-4211.39	-2994.23
f-p2	SLE-FR-48	Min M3	-17676.83	-117.01	-168.25	-0.39	-4211.39	-2994.23
f-p2	SLE-FR-49	Max P	-17258.02	-127.99	158.94	0.77	3977.18	-3244.14
f-p2	SLE-FR-49	Min P	-17258.02	-127.99	158.94	0.77	3977.18	-3244.14
f-p2	SLE-FR-49	Max M2	-17258.02	-127.99	158.94	0.77	3977.18	-3244.14
f-p2	SLE-FR-49	Min M2	-17258.02	-127.99	158.94	0.77	3977.18	-3244.14
f-p2	SLE-FR-49	Max M3	-17258.02	-127.99	158.94	0.77	3977.18	-3244.14
f-p2	SLE-FR-49	Min M3	-17258.02	-127.99	158.94	0.77	3977.18	-3244.14
f-p2	SLE-FR-50	Max P	-17258.19	-115.64	-168.03	-0.37	-4243.16	-2958.96
f-p2	SLE-FR-50	Min P	-17258.19	-115.64	-168.03	-0.37	-4243.16	-2958.96
f-p2	SLE-FR-50	Max M2	-17258.19	-115.64	-168.03	-0.37	-4243.16	-2958.96
f-p2	SLE-FR-50	Min M2	-17258.19	-115.64	-168.03	-0.37	-4243.16	-2958.96
f-p2	SLE-FR-50	Max M3	-17258.19	-115.64	-168.03	-0.37	-4243.16	-2958.96
f-p2	SLE-FR-50	Min M3	-17258.19	-115.64	-168.03	-0.37	-4243.16	-2958.96
f-p2	SLE-FR-51	Max P	-17628.49	-129.38	158.68	0.72	4007.91	-3280.15
f-p2	SLE-FR-51	Min P	-17628.49	-129.38	158.68	0.72	4007.91	-3280.15
f-p2	SLE-FR-51	Max M2	-17628.49	-129.38	158.68	0.72	4007.91	-3280.15
f-p2	SLE-FR-51	Min M2	-17628.49	-129.38	158.68	0.72	4007.91	-3280.15
f-p2	SLE-FR-51	Max M3	-17628.49	-129.38	158.68	0.72	4007.91	-3280.15
f-p2	SLE-FR-51	Min M3	-17628.49	-129.38	158.68	0.72	4007.91	-3280.15
f-p2	SLE-FR-52	Max P	-17628.66	-117.04	-168.29	-0.42	-4212.42	-2994.97
f-p2	SLE-FR-52	Min P	-17628.66	-117.04	-168.29	-0.42	-4212.42	-2994.97
f-p2	SLE-FR-52	Max M2	-17628.66	-117.04	-168.29	-0.42	-4212.42	-2994.97

f-p2	SLE-FR-52	Min M2	-17628.66	-117.04	-168.29	-0.42	-4212.42	-2994.97
f-p2	SLE-FR-52	Max M3	-17628.66	-117.04	-168.29	-0.42	-4212.42	-2994.97
f-p2	SLE-FR-52	Min M3	-17628.66	-117.04	-168.29	-0.42	-4212.42	-2994.97
f-p2	SLE-FR-53	Max P	-17311.10	-145.74	-5.50	0.25	-144.52	-3710.61
f-p2	SLE-FR-53	Min P	-17311.10	-145.74	-5.50	0.25	-144.52	-3710.61
f-p2	SLE-FR-53	Max M2	-17311.10	-145.74	-5.50	0.25	-144.52	-3710.61
f-p2	SLE-FR-53	Min M2	-17311.10	-145.74	-5.50	0.25	-144.52	-3710.61
f-p2	SLE-FR-53	Max M3	-17311.10	-145.74	-5.50	0.25	-144.52	-3710.61
f-p2	SLE-FR-53	Min M3	-17311.10	-145.74	-5.50	0.25	-144.52	-3710.61
f-p2	SLE-FR-54	Max P	-17253.29	-145.77	-5.55	0.22	-145.76	-3711.49
f-p2	SLE-FR-54	Min P	-17253.29	-145.77	-5.55	0.22	-145.76	-3711.49
f-p2	SLE-FR-54	Max M2	-17253.29	-145.77	-5.55	0.22	-145.76	-3711.49
f-p2	SLE-FR-54	Min M2	-17253.29	-145.77	-5.55	0.22	-145.76	-3711.49
f-p2	SLE-FR-54	Max M3	-17253.29	-145.77	-5.55	0.22	-145.76	-3711.49
f-p2	SLE-FR-54	Min M3	-17253.29	-145.77	-5.55	0.22	-145.76	-3711.49
f-p2	SLE-FR-55	Max P	-17681.57	-147.13	-5.76	0.21	-113.78	-3746.62
f-p2	SLE-FR-55	Min P	-17681.57	-147.13	-5.76	0.21	-113.78	-3746.62
f-p2	SLE-FR-55	Max M2	-17681.57	-147.13	-5.76	0.21	-113.78	-3746.62
f-p2	SLE-FR-55	Min M2	-17681.57	-147.13	-5.76	0.21	-113.78	-3746.62
f-p2	SLE-FR-55	Max M3	-17681.57	-147.13	-5.76	0.21	-113.78	-3746.62
f-p2	SLE-FR-55	Min M3	-17681.57	-147.13	-5.76	0.21	-113.78	-3746.62
f-p2	SLE-FR-56	Max P	-17623.76	-147.17	-5.82	0.18	-115.02	-3747.50
f-p2	SLE-FR-56	Min P	-17623.76	-147.17	-5.82	0.18	-115.02	-3747.50
f-p2	SLE-FR-56	Max M2	-17623.76	-147.17	-5.82	0.18	-115.02	-3747.50
f-p2	SLE-FR-56	Min M2	-17623.76	-147.17	-5.82	0.18	-115.02	-3747.50
f-p2	SLE-FR-56	Max M3	-17623.76	-147.17	-5.82	0.18	-115.02	-3747.50
f-p2	SLE-FR-56	Min M3	-17623.76	-147.17	-5.82	0.18	-115.02	-3747.50

12.1.20. PILA 2-SOLLECITAZIONI FONDAZIONE-COMBINAZIONI SLE QUASI PERMANENTI

TABLE: Element Forces - Frames								
Frame	OutputCase	StepType	P	V2	V3	T	M2	M3
Text	Text	Text	KN	KN	KN	KN-m	KN-m	KN-m
f-p2	SLE-QP-1	Max P	-17306.23	122.46	5.05	-0.01	120.24	3118.31
f-p2	SLE-QP-1	Min P	-17306.23	122.46	5.05	-0.01	120.24	3118.31
f-p2	SLE-QP-1	Max M2	-17306.23	122.46	5.05	-0.01	120.24	3118.31
f-p2	SLE-QP-1	Min M2	-17306.23	122.46	5.05	-0.01	120.24	3118.31
f-p2	SLE-QP-1	Max M3	-17306.23	122.46	5.05	-0.01	120.24	3118.31
f-p2	SLE-QP-1	Min M3	-17306.23	122.46	5.05	-0.01	120.24	3118.31
f-p2	SLE-QP-2	Max P	-17676.70	121.06	4.79	-0.05	150.97	3082.30
f-p2	SLE-QP-2	Min P	-17676.70	121.06	4.79	-0.05	150.97	3082.30
f-p2	SLE-QP-2	Max M2	-17676.70	121.06	4.79	-0.05	150.97	3082.30
f-p2	SLE-QP-2	Min M2	-17676.70	121.06	4.79	-0.05	150.97	3082.30
f-p2	SLE-QP-2	Max M3	-17676.70	121.06	4.79	-0.05	150.97	3082.30
f-p2	SLE-QP-2	Min M3	-17676.70	121.06	4.79	-0.05	150.97	3082.30
f-p2	SLE-QP-3	Max P	-17258.06	122.43	5.01	-0.03	119.21	3117.57
f-p2	SLE-QP-3	Min P	-17258.06	122.43	5.01	-0.03	119.21	3117.57
f-p2	SLE-QP-3	Max M2	-17258.06	122.43	5.01	-0.03	119.21	3117.57
f-p2	SLE-QP-3	Min M2	-17258.06	122.43	5.01	-0.03	119.21	3117.57
f-p2	SLE-QP-3	Max M3	-17258.06	122.43	5.01	-0.03	119.21	3117.57

f-p2	SLE-QP-3	Min M3	-17258.06	122.43	5.01	-0.03	119.21	3117.57
f-p2	SLE-QP-4	Max P	-17628.53	121.03	4.74	-0.08	149.94	3081.56
f-p2	SLE-QP-4	Min P	-17628.53	121.03	4.74	-0.08	149.94	3081.56
f-p2	SLE-QP-4	Max M2	-17628.53	121.03	4.74	-0.08	149.94	3081.56
f-p2	SLE-QP-4	Min M2	-17628.53	121.03	4.74	-0.08	149.94	3081.56
f-p2	SLE-QP-4	Max M3	-17628.53	121.03	4.74	-0.08	149.94	3081.56
f-p2	SLE-QP-4	Min M3	-17628.53	121.03	4.74	-0.08	149.94	3081.56
f-p2	SLE-QP-5	Max P	-17306.27	-121.36	-4.54	0.23	-120.54	-3089.86
f-p2	SLE-QP-5	Min P	-17306.27	-121.36	-4.54	0.23	-120.54	-3089.86
f-p2	SLE-QP-5	Max M2	-17306.27	-121.36	-4.54	0.23	-120.54	-3089.86
f-p2	SLE-QP-5	Min M2	-17306.27	-121.36	-4.54	0.23	-120.54	-3089.86
f-p2	SLE-QP-5	Max M3	-17306.27	-121.36	-4.54	0.23	-120.54	-3089.86
f-p2	SLE-QP-5	Min M3	-17306.27	-121.36	-4.54	0.23	-120.54	-3089.86
f-p2	SLE-QP-6	Max P	-17676.74	-122.76	-4.81	0.18	-89.81	-3125.87
f-p2	SLE-QP-6	Min P	-17676.74	-122.76	-4.81	0.18	-89.81	-3125.87
f-p2	SLE-QP-6	Max M2	-17676.74	-122.76	-4.81	0.18	-89.81	-3125.87
f-p2	SLE-QP-6	Min M2	-17676.74	-122.76	-4.81	0.18	-89.81	-3125.87
f-p2	SLE-QP-6	Max M3	-17676.74	-122.76	-4.81	0.18	-89.81	-3125.87
f-p2	SLE-QP-6	Min M3	-17676.74	-122.76	-4.81	0.18	-89.81	-3125.87
f-p2	SLE-QP-7	Max P	-17258.10	-121.39	-4.59	0.20	-121.58	-3090.60
f-p2	SLE-QP-7	Min P	-17258.10	-121.39	-4.59	0.20	-121.58	-3090.60
f-p2	SLE-QP-7	Max M2	-17258.10	-121.39	-4.59	0.20	-121.58	-3090.60
f-p2	SLE-QP-7	Min M2	-17258.10	-121.39	-4.59	0.20	-121.58	-3090.60
f-p2	SLE-QP-7	Max M3	-17258.10	-121.39	-4.59	0.20	-121.58	-3090.60
f-p2	SLE-QP-7	Min M3	-17258.10	-121.39	-4.59	0.20	-121.58	-3090.60
f-p2	SLE-QP-8	Max P	-17628.57	-122.78	-4.85	0.16	-90.84	-3126.61
f-p2	SLE-QP-8	Min P	-17628.57	-122.78	-4.85	0.16	-90.84	-3126.61
f-p2	SLE-QP-8	Max M2	-17628.57	-122.78	-4.85	0.16	-90.84	-3126.61
f-p2	SLE-QP-8	Min M2	-17628.57	-122.78	-4.85	0.16	-90.84	-3126.61
f-p2	SLE-QP-8	Max M3	-17628.57	-122.78	-4.85	0.16	-90.84	-3126.61
f-p2	SLE-QP-8	Min M3	-17628.57	-122.78	-4.85	0.16	-90.84	-3126.61

13. VERIFICHE STRUTTURALI SPALLA B (STR)

La spalla B è la spalla più alta fra le due del viadotto e per la palificata di fondazione presenta la stratigrafia più sfavorevole, quindi i calcoli eseguiti, a favore di sicurezza, si ritengono validi anche per la spalla A; nella figura seguente viene rappresentata la geometria della spalla B; i calcoli vengono condotti considerando la spalla fondata su 11 pali lunghi 9 m.

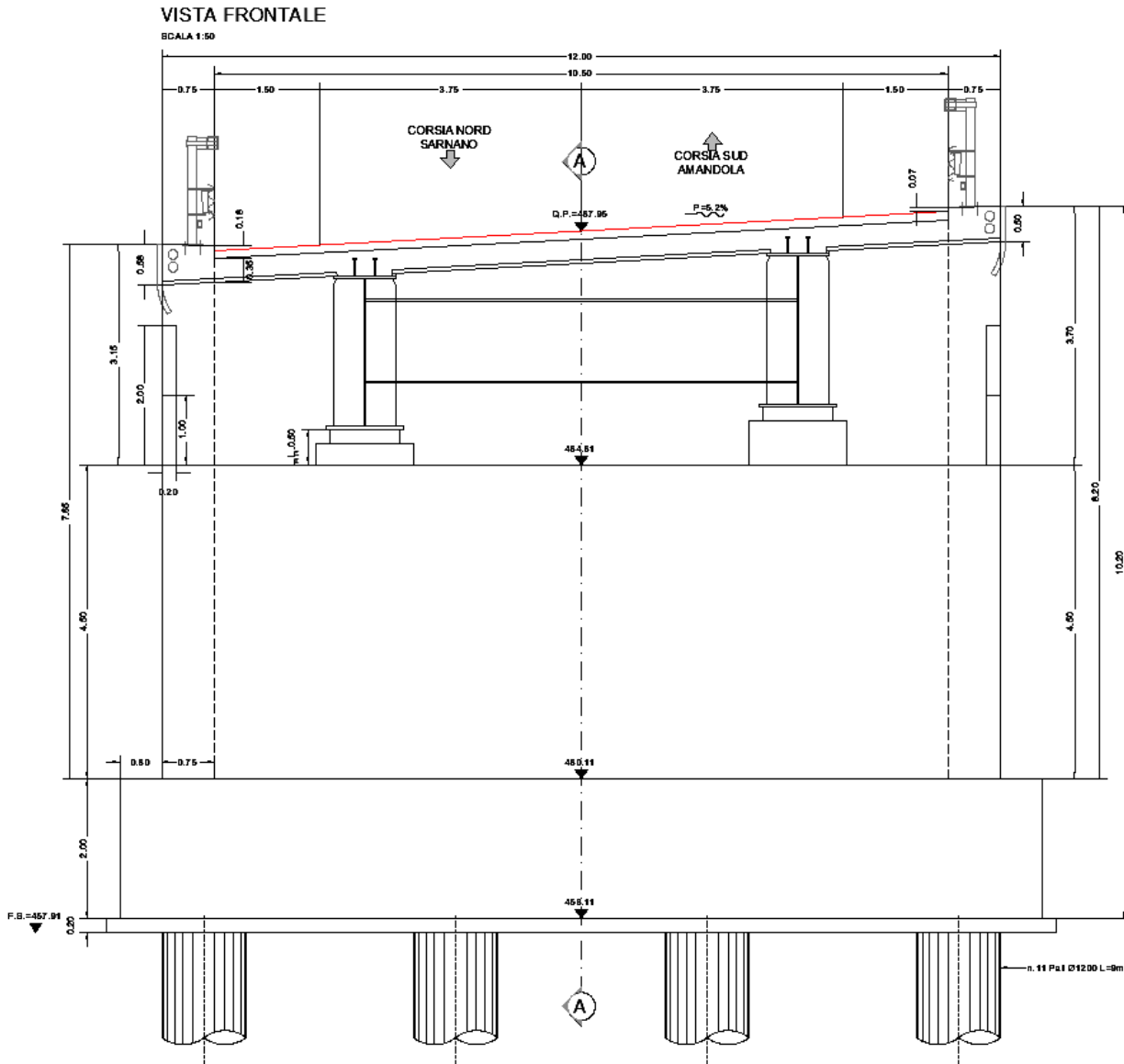


Figura 13-1 Geometria spalla B

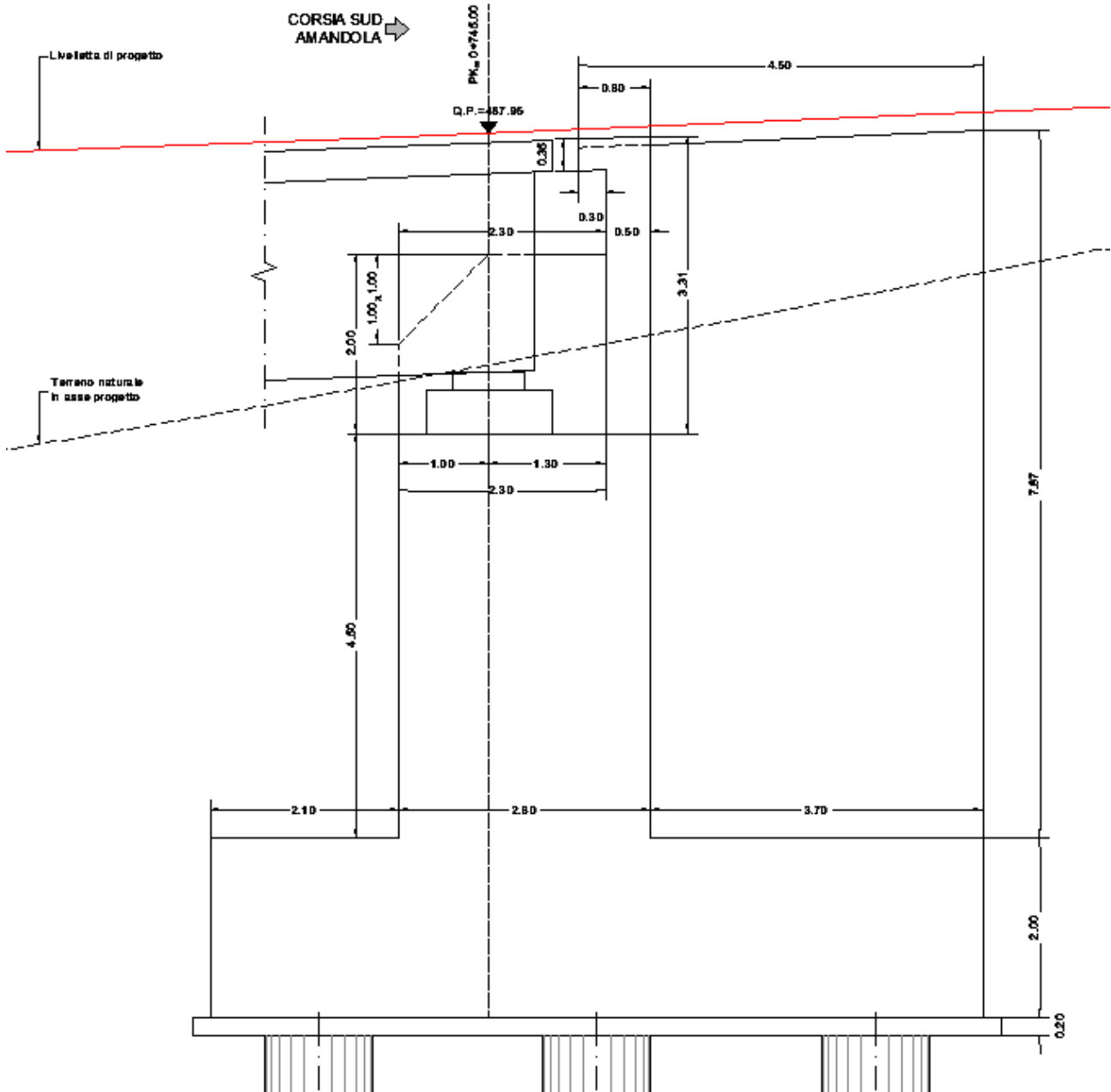


Figura 13-2 Geometria spalla B Nord

PIANTA SPICCATO FONDAZIONI

SCALA 1:50

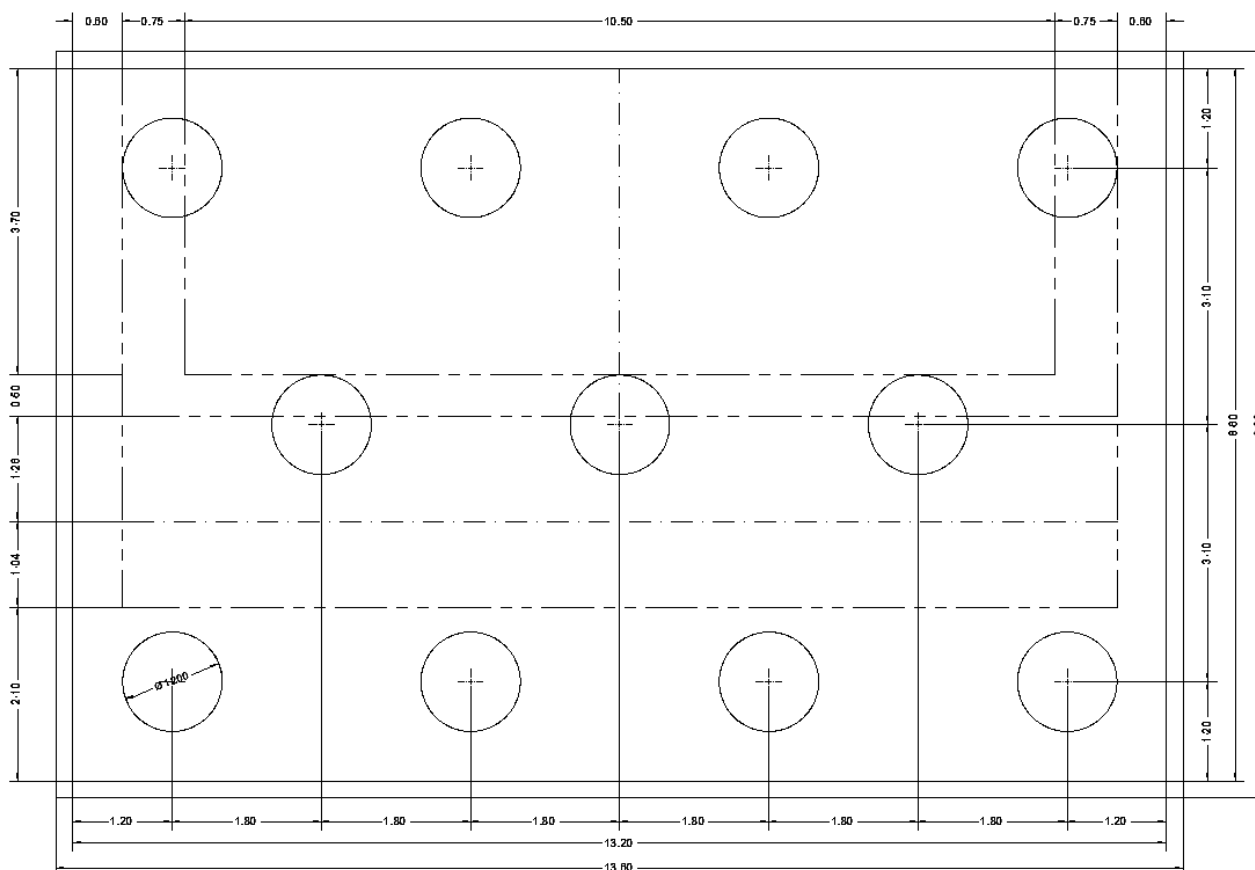


Figura 13-3 Geometria della fondazione

13.1. CRITERI DI CALCOLO

Si utilizza un programma di calcolo automatico, che ottenendo in input la geometria della spalla ed i carichi permanenti ed accidentali, restituisce tutte le verifiche di stabilità e fornisce le componenti di sollecitazione per le verifiche strutturali.

Il calcolo delle strutture in elevazione delle spalle, parete frontale, paraghiaia, è stato effettuato con riferimento a una striscia di larghezza unitaria.

Le verifiche geotecniche verranno condotte secondo l'approccio 2 per cui sono state costruite solo le combinazioni con i coefficienti A1.

Per i criteri di calcolo dei pali (aspetti strutturali e geotecnici) si faccia riferimento alle note teoriche sopra riportate relative ai pali delle pile.

Si utilizza un foglio di calcolo automatico, che inserendo in input la geometria della spalla ed i carichi permanenti ed accidentali agenti ottenuti dal modello numerico precedentemente illustrato, restituisce le componenti di sollecitazione per le verifiche strutturali.

13.2. CARATTERISTICHE

La figura seguente illustra le caratteristiche della spalla B.

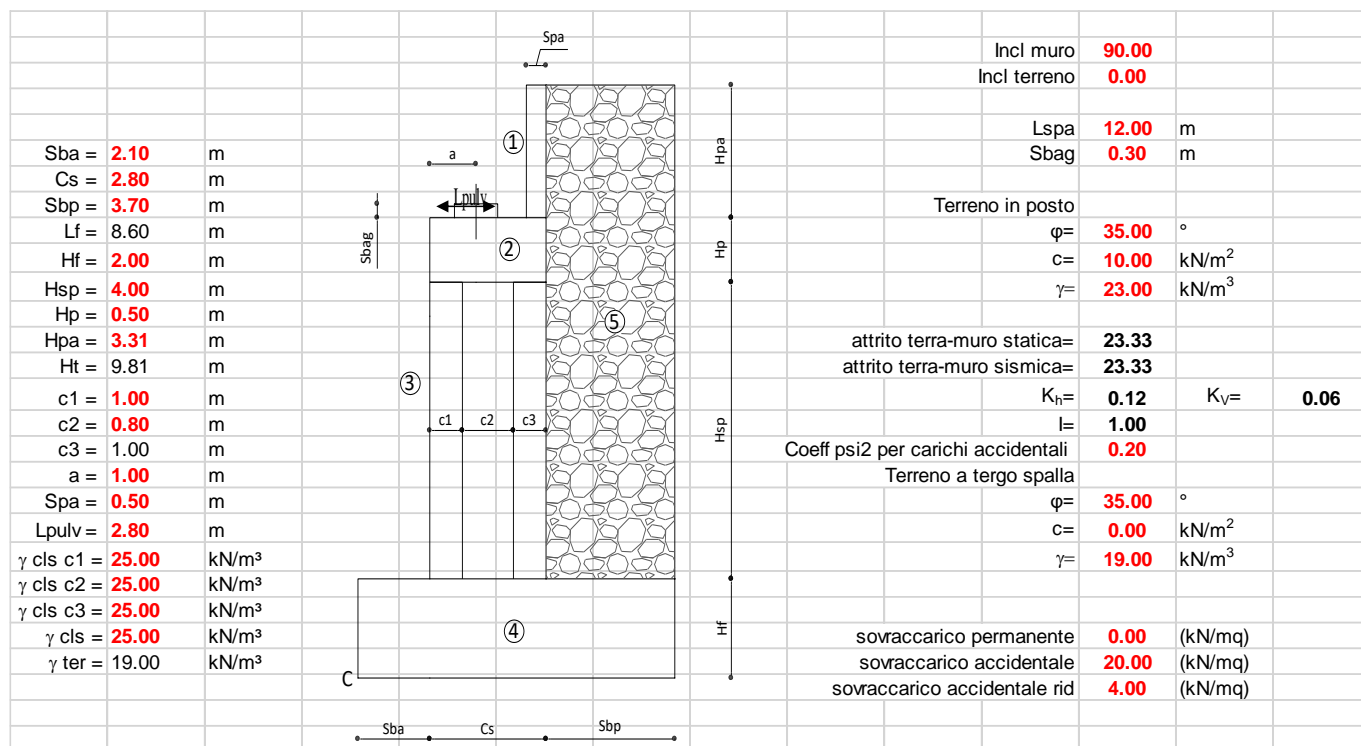


Figura 13-4 Caratteristiche geometriche spalla B

13.3. SOLLECITAZIONI ELEMENTARI

Le sollecitazioni elementari in corrispondenza degli appoggi sono definite nella seguente tabella.

	N (kN)	TI (kN)	Tt (kN)	ML (kNm)	Mt (kNm)
propri	2819				743
portati	0				0
Mobili (Max P)	2152				3360
Mobili (Max Mt)	1602				5233
Ritiro	-309				892
Cedimenti	54				38
sisma v	552				165
Frenatura		105			
Variazione termica		221			
Attrito appoggi L					
sisma long		296			
vento perm			240		788
vento acc			240		788
urto trasv					
centrifuga			71		220
sisma trasv			297		910

Si riportano qui di seguito i coefficienti di combinazione impiegati secondo le NTC2018:

Permanenti	Permanenti+r	MOBILI		MOBILI		MOBILI		MOBILI		fren		fren	
		Base-Mobili 1+Sov	Base Vento-Mobili 1+Sov	Base-Mobili 2+Sov	Base Vento-Mobili 2+Sov	Base-Mobili 1+Sov	Base Vento-Mobili 1+Sov	Base-Mobili 2+Sov	Base Vento-Mobili 2+Sov	Fren MB1+Sov	Fren MB2+Sov	Fren MB1+Sov	Fren MB2+Sov
1.35	1.00	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35
1.50	1.00	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
		1.35	1.00							1.00			
						1.35	1.00						1.00
	1.20												
1.20	-1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
										1.35	1.35	1.35	1.35
0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
0.90	1.50												
		0.90	1.50	0.90	1.50	0.90	1.50	0.90	1.50	0.90	0.90	0.90	0.90

MOBILI	MOBILI	MOBILI	MOBILI	centrifuga	centrifuga	MOBILI	MOBILI	MOBILI
Base-Mobili 1-r+Sov	Base Vento-Mobili 1-r+Sov	Base-Mobili 2-r+Sov	Base Vento-Mobili 2-r+Sov	Centr MB1+Sov	Centr MB2+Sov	Base-Mobili 1	Base Vento-Mobili 1	Base-Mobili 2
1.00	1.00	1.00	1.00	1.35	1.35	1.35	1.35	1.35
1.00	1.00	1.00	1.00	1.50	1.50	1.50	1.50	1.50
1.35	1.00			1.00		1.35	1.00	
		1.35	1.00		1.00			1.35
1.20	1.20	1.20	1.20					
-1.20	-1.20	-1.20	-1.20	1.20	1.20	1.20	1.20	1.20
0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
0.90	1.50	0.90	1.50	0.90	0.90	0.90	1.50	0.90
				1.35	1.35			

MOBILI	fren	fren	MOBILI	MOBILI	MOBILI	MOBILI	centrifuga	centrifuga
Base Vento-Mobili 2	Fren MB1	Fren MB2	Base-Mobili 1-r	Base Vento-Mobili 1-r	Base-Mobili 2-r	Base Vento-Mobili 2-r	Centr MB1	Centr MB2
1.35	1.35	1.35	1.00	1.00	1.00	1.00	1.35	1.35
1.50	1.50	1.50	1.00	1.00	1.00	1.00	1.50	1.50
	1.00		1.35	1.00			1.00	
1.00		1.00			1.35	1.00		1.00
			1.20	1.20	1.20	1.20		
1.20	1.20	1.20	-1.20	-1.20	-1.20	-1.20	1.20	1.20
	1.35	1.35						
0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
1.50	0.90	0.90	0.90	1.50	0.90	1.50	0.90	0.90
							1.35	1.35

CASI SISMICI			
SL+	SL-	ST+	ST-
1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00
	1.20		1.20
1.20	-1.20	1.20	-1.20
0.30	-0.30	0.30	-0.30
0.50	0.50	0.50	0.50
1.00	1.00	0.30	0.30
0.30	0.30	1.00	1.00

Non sono state considerate le combinazioni tipo EQU poiché, essendo previsti i pali di fondazione, la verifica a ribaltamento risulta priva di senso.

13.4. SOLLECITAZIONI COMBinate

Le sollecitazioni combinate agli appoggi sono definite dalle seguenti tabelle.

Combinazione	N (kN)	Tl (kN)	Tt (kN)	Ml (kNm)	Mt (kNm)
Permanenti	3870	159	216	0	1758
Permanenti-r	2383	159	360	0	2950
Base-Mobili 1+Sov	6776	159	216	0	6294
Base Vento-Mobili 1+Sov	6022	159	360	0	5591
Base-Mobili 2+Sov	6033	159	216	0	8822
Base Vento-Mobili 2+Sov	5472	159	360	0	7464
Fren MB1+Sov	6022	301	216	0	5118
Fren MB2+Sov	5472	301	216	0	6991
Base-Mobili 1-r+Sov	5289	159	216	0	7013
Base Vento-Mobili 1-r+Sov	4535	159	360	0	6310
Base-Mobili 2-r+Sov	4546	159	216	0	9542
Base Vento-Mobili 2-r+Sov	3985	159	360	0	8183
Fren MB1-r+Sov	4535	301	216	0	5837
Fren MB2-r+Sov	3985	301	216	0	7710
Base-Mobili 1	6776	159	216	0	6294
Base Vento-Mobili 1	6022	159	360	0	5591
Base-Mobili 2	6033	159	216	0	8822
Base Vento-Mobili 2	5472	159	360	0	7464
Fren MB1	6022	301	216	0	5118
Fren MB2	5472	301	216	0	6991
Base-Mobili 1-r	5289	159	216	0	7013

Base Vento-Mobili 1-r	4535	159	360	0	6310
Base-Mobili 2-r	4546	159	216	0	9542
Base Vento-Mobili 2-r	3985	159	360	0	8183
Fren MB1-r	4535	301	216	0	5837
Fren MB2-r	3985	301	216	0	7710
SL+	3049	407	89	0	1111
SL-	2218	407	89	0	1991
ST+	3049	199	297	0	1748
ST-	2218	199	297	0	2628

13.5. DETERMINAZIONE DELLA SPINTA DEL TERRAPIENO

Per la spinta del terreno, in condizioni statiche, si è applicata l'ipotesi di spinta attiva, adottando la teoria di Coulomb. In condizioni sismiche si è calcolata la sovraspinta secondo la teoria di Mononobe-Okabe (approccio pseudo- statico). La valutazione della spinta in presenza di sisma si è ottenuta secondo le formulazioni contenute nel Testo Unico:

$K_h = \beta m a_{max} / g$ coefficiente di spinta orizzontale

$K_v = k_h / 2$ coefficiente di spinta verticale

$a_{max} = S a_g = S_s S_t a_g$ accelerazione massima del sito

I passaggi analitici corrispondenti alla determinazione dei coefficienti di spinta sono riportati nel seguito.

accelerazione sismica orizzontale su sito di rif rigido:	$a_g =$	0.233	g
fattore sottosuolo	$S_s =$	1.163	
fattore topografico	$S_t =$	1.200	
accelerazione sismica orizzontale, max	$a_{max} =$	0.325	g
peso specifico del terreno:	$\gamma =$	19.000	kN/m ³
angolo d'attrito del terreno:	$\phi =$	35.000	°
fattore di riduzione di k_h :	$\beta m =$	0.380	
coefficiente sismico orizzontale:	$k_h = \beta m a / g =$	0.124	
coefficiente sismico verticale:	$k_v = 0.5 k_h =$	0.062	
inclinazione parete di monte sull'orizzontale:	$\lambda =$	0.000	°
inclinazione terrapieno sull'orizzontale:	$i =$	0.000	°
angolo di resistenza a taglio terreno-muro:	$\phi_p =$	23.333	°
Coefficiente di spinta in condizioni sismiche			
dalla formula di <i>Mononobe Okabe</i> :			
con:	$\theta =$	$\arct(k_h / (1 - k_v))$	0.131
		$K_{ae} =$	0.329

In condizioni statiche si ha:

K_a (stat) Coulomb =	0.245
------------------------	-------

La sovrappinta sismica coerentemente con la teoria di Mononobe-Okabe è stata calcolata in riferimento alla spinta attiva secondo Coulomb.

13.6. SEZIONE ALLA BASE DEL MURO PRINCIPALE DELLA SPALLA

Le sollecitazioni allo spiccato sono determinate considerando i carichi come da Normativa.

Si dispone un'armatura media formata da $A_f = 1\phi 26/20\text{cm}$ lato terreno e $1\phi 20/20\text{cm}$ lato impalcato:

Le sollecitazioni agli stati limite, per unità di larghezza, risultano:

SEZIONE MURO A QUOTA 0 DA ESTRADOSSO FONDAZIONE (per 1 m di larghezza)			
	N	M	T
Permanenti	679	627	205
Permanenti-r	555	464	155
Base-Mobili 1+Sov	921	925	256
Base Vento-Mobili 1+Sov	858	847	243
Base-Mobili 2+Sov	859	900	256
Base Vento-Mobili 2+Sov	812	829	243
Fren MB1+Sov	858	836	237
Fren MB2+Sov	812	817	237
Base-Mobili 1-r+Sov	797	763	207
Base Vento-Mobili 1-r+Sov	734	685	193
Base-Mobili 2-r+Sov	735	738	207
Base Vento-Mobili 2-r+Sov	688	667	193
Fren MB1-r+Sov	734	673	187
Fren MB2-r+Sov	688	655	187
Base-Mobili 1	921	723	205
Base Vento-Mobili 1	858	698	205
Base-Mobili 2	859	699	205
Base Vento-Mobili 2	812	680	205
Fren MB1	858	755	216
Fren MB2	812	737	216
Base-Mobili 1-r	797	561	155
Base Vento-Mobili 1-r	734	536	155
Base-Mobili 2-r	735	537	155
Base Vento-Mobili 2-r	688	518	155
Fren MB1-r	734	593	167
Fren MB2-r	688	575	167
SL+	633	1134	347
SL-	519	1123	347

13.6.1. VERIFICA A PRESSOFLESSIONE

Si esegue la verifica a pressoflessione eseguita con il programma VCA – SLU per la sezione più significativa.

La sezione viene armata disponendo un'armatura costituita da uno strato di $\phi 26/20\text{cm}$ lato terreno e uno strato di $\phi 20/20\text{cm}$ in zona compressa lato impalcato. Per maggiori dettagli si rimanda agli elaborati di progetto.

Verifica C.A. S.L.U. - File: _ □ ×

File Materiali Opzioni Visualizza Progetto Sez. Rett. Sismica Normativa: NTC 2018 ?

Titolo :

N° figure elementari N° strati barre Zoom

N°	b [cm]	h [cm]
1	100	280

N°	As [cm²]	d [cm]
1	15.71	8
2	26.55	272

Tipo Sezione
 Rettan.re Trapezi
 a T Circolare
 Rettangoli Coord.
 DXF

Sollecitazioni
 S.L.U. Metodo n

P.to applicazione N
 Centro Baricentro cls
 Coord.[cm] xN yN

Tipo rottura
 Lato acciaio - Acciaio snervato

Metodo di calcolo
 S.L.U.+ S.L.U.-
 Metodo n

Tipo flessione
 Retta Deviata

N° rett.

Calcola MRd

L₀ cm

Precompresso

Materiali

B450C		C32/40	
ϵ_{su}	67.5 ‰	ϵ_{c2}	2 ‰
f_{yd}	391.3 N/mm²	ϵ_{cu}	3.5 ‰
E_s	200'000 N/mm²	f_{cd}	18.81
E_s/E_c	15	f_{cc}/f_{cd}	0.8 ?
ϵ_{syd}	1.957 ‰	$\sigma_{c,adm}$	12.25
$\sigma_{s,adm}$	255 N/mm²	τ_{co}	0.7333
		τ_{c1}	2.114

M_{xRd} kN m

σ_c N/mm²

σ_s N/mm²

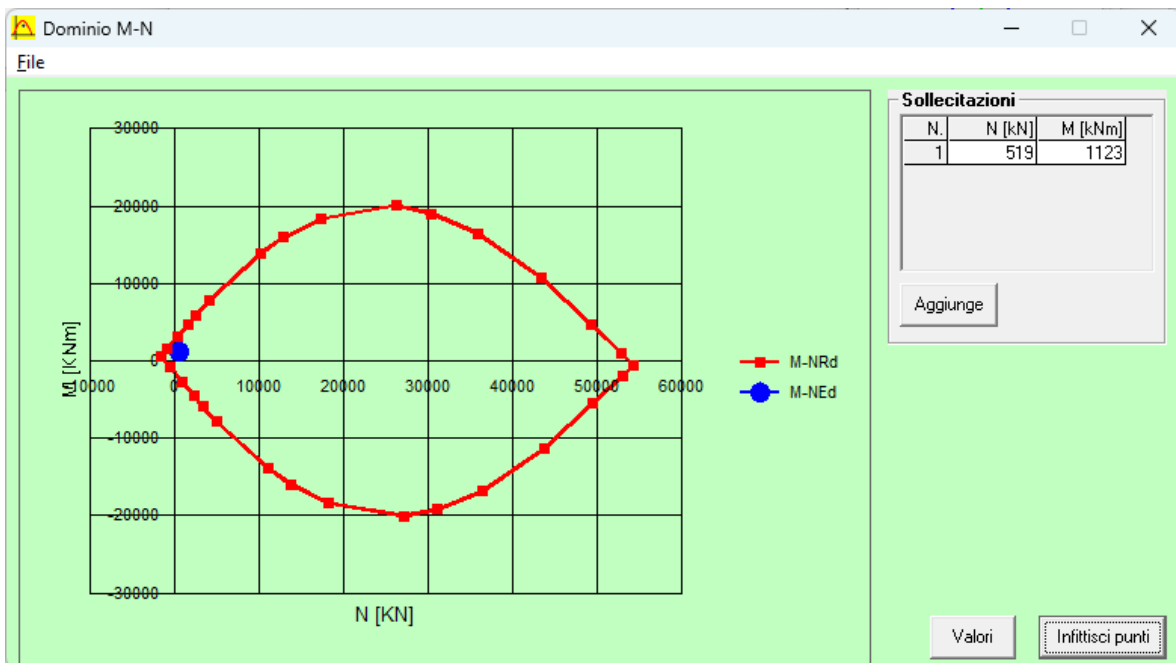
ϵ_c ‰

ϵ_s ‰

d cm

x x/d

δ



Si ottiene a flessione un fattore di sicurezza pari a F.S. =3.10.

13.6.2. VERIFICA A TAGLIO

La verifica a taglio viene condotta considerando le sollecitazioni per unità di lunghezza; si considera per la verifica la sezione dell'elevazione della spalla priva di armatura a taglio.

Le sollecitazione massima di taglio agli stati limite, per unità di larghezza, risulta essere pari a 347 kN in combinazione sismica, si riporta la verifica della sezione qui di seguito:

Non si prevede una specifica armatura di resistenza a taglio e coerentemente la verifica viene effettuata nel caso di elemento non armato. Si prevedono comunque spilli orizzontali, nell'ordine di $9 \phi 12/m^2$.

VERIFICA ALLO SLU A TAGLIO PER ELEMENTI SENZA ARMATURA A TAGLIO						
classe cls		Rck		40.0		N/mm ²
resist. caratteristica cilindrica		fck		33.20		N/mm ²
resist. media a compressione cilindrica		fcm		41.20		N/mm ²
coeff riduttivo per carichi lunga durata		α_{cc}		0.85		
coeff. parziale		γ_c		1.50		
resist. di calcolo a compressione		fcd		18.81		N/mm ²
resist. media trazione cls (trazione semplice)		fctm		3.10		N/mm ²
resist. media trazione cls (flessione)		fctm		3.72		N/mm ²
resist. caratteristica a trazione cls (flessione)		fctk		2.17		N/mm ²
resist. caratteristica a trazione cls (flessione)		fck		2.60		N/mm ²
resist. progetto a trazione cls (flessione)		fctd		1.45		N/mm ²
resist. progetto a trazione cls (trazione)		fcd		1.74		N/mm ²
altezza membratura resistente a V		D		2.80		m
altezza utile sezione		d		2.72		m
tensione media di compressione nella sezione < 0.2fcd				0.00		N/mm ²
larghezza membratura resist. a V		bw		1.00		m
k				1.27		
vmin				0.29		
Asl= armatura trazione ancorata (1)	n ferri	5	diametro (mm)		26	
Asl= armatura trazione ancorata (2)	n ferri		diametro (mm)			
Asl= armatura trazione ancorata (3)	n ferri		diametro (mm)			
Asl= armatura trazione ancorata (4)	n ferri		diametro (mm)			
			Area tot	2655		mm ²
percentuale geometrica di armatura	ρ_l			0.0010		
Resistenza taglio elemento fessurato						
TAGLIO RESISTENTE		Vrd		786		kN
TAGLIO AGENTE		Vsdu		347		kN
				ok		
				F.S. =		2.27

13.6.3. VERIFICHE SLE

Il momento di apertura prima fessurazione vale (considerando solo il cls):

$$\sigma_r = 0.7 f_{ctm} = 0.7 \times 0.3 \times f_{ck}^{2/3} = 0.7 \times 0.3 \times 33.20^{2/3} = 2.17 \text{ N/mm}^2$$

$$M_f = \sigma_r \times W = 2.17 \times 2.80^2 \times 1000 / 6 = 2834.16 \text{ kNm} > 925/1.35 = 685.19 \text{ kN}$$

Operando in funzione della sicurezza, il massimo momento viene diviso per 1.35; tale momento risulta minore al momento di prima fessurazione e pertanto la verifica non è necessaria in quanto non si aprono fessure.

13.7. PARAGHIAIA

Si fa riferimento ad una mensola d'altezza $h = 3.31 \text{ m}$ e spessore $s = 0.50 \text{ m}$; al suo interno, si dispone un'armatura formata da $A_f = 1 \phi 16/20$ lato terreno, $A'_f = 1 \phi 16/20$ lato impalcato.

Le sollecitazioni agli stati limite nella sezione di spicco del paraghiaia risultano le seguenti (da un carico da traffico sul rilevato pari a 20 kN/m^2):

BASE PARAGHIAIA (per 1 m)		
$N_{stat} =$	41.38	kN/m
$M_{stat} =$	78.11	kNm/m
$T_{stat} =$	58.65	kN/m
$N_{sism} =$	38.82	kN/m
$M_{sism} =$	101.05	kNm/m
$T_{sism} =$	71.35	kN/m

Si sottopone a verifica il paraghiaia della spalla B (fissa) del ponte considerando il punto C5.1.3.3.5.2 della Circolare esplicativa delle NTC2018.

Il calcolo della struttura di paraghiaia viene condotta nell'ipotesi, conforme alle indicazioni di circ. 7 del 21 gennaio 2019, di un carico da traffico stradale al di sopra dello sbalzo del paraghiaia.

Il paraghiaia si comporta come una piastra di lunghezza infinita incastrata lungo un lato e libera all'altro, soggetta prevalentemente a flessione e taglio provocati dalle forze orizzontali. Verrà verificato nello schema di mensola incastrata alla base, soggetto ad un momento in testa (dovuto all'aggetto anteriore).

Si riportano di seguito le caratteristiche geometriche del paraghiaia.

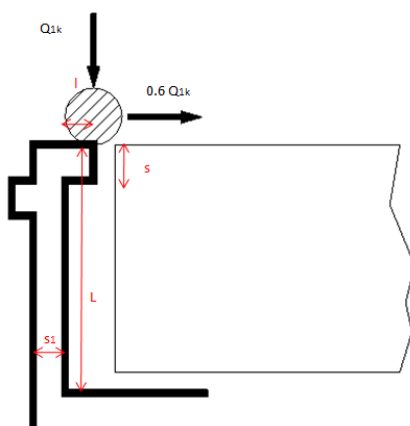


Figura 13-5 Schema di calcolo paraghiaia

Si riportano di seguito le caratteristiche geometriche del paraghiaia.

Caratteristiche paraghiaia					
$l =$	0.3	m	$L =$	3.31	m
$s =$	0.35	m	$s_1 =$	0.5	m
$\gamma =$	25	kN/m^3			

Si determinano i carichi orizzontali e verticali (per metro lineare trasversale).

Per il calcolo dei muri paraghiaia si deve considerare un'azione orizzontale longitudinale di frenamento, applicata alla testa del paraghiaia di valore caratteristico pari al 60% del carico asse Q_{1k} ; pertanto in ponti di 1a categoria si considera un carico orizzontale di 180 kN, concomitante con un carico verticale di 300 kN.

Si fa riferimento ad una mensola d'altezza $h = 3.31$ m e spessore $s = 0.50$ m.; al suo interno, si dispone un'armatura formata da $A_f = 1\phi 16/20$ cm lato terreno, $A'_f = 1\phi 16/20$ cm lato impalcato.

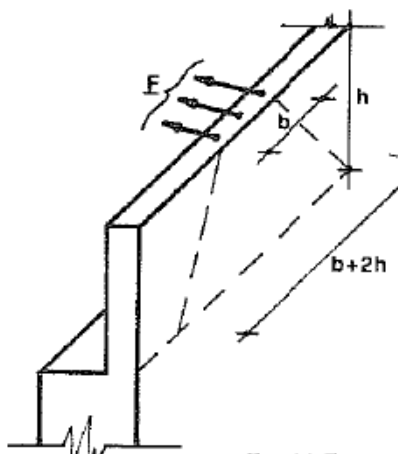
Le sollecitazioni indotte dalla forza di frenamento concomitante col carico valgono: Le sollecitazioni indotte dalla forza di frenamento concomitante con il carico valgono:

$$Q_{1k} = 300 \text{ kN}$$

$$0.6 \times Q_{1k} = 180 \text{ kN}$$

$$M = 180 \times 3.31 = 595.8 \text{ kNm}$$

Tali sollecitazioni, accettando l'ipotesi di ripartizione degli sforzi a 45° fino alla base del paraghiaia, vanno distribuite su una larghezza pari a:



$$b + 2h = 2 \text{ m} + 3.31 \text{ m} \times 2 = 8.62 \text{ m}$$

Le sollecitazioni di verifica per la sezione dello sbalzo sono:

$N_{\text{sbalzoSLU}}$	-81.0	kN/m	}	Verifica
$M_{\text{sbalzoSLU}}$	41.0	kNm/m		SLU
$T_{\text{sbalzoSLU}}$	138.5	kN/m		
$N_{\text{sbalzoSLE}}$	-60.0	kN/m	}	Verifica
$M_{\text{sbalzoSLE}}$	30.4	kNm/m		SLE
$T_{\text{sbalzoSLE}}$	102.6	kN/m		
N.B.: Gli sforzi assiali negativi sono di trazione				

Gli effetti dovuti al carico tandem opportunamente distribuiti a tergo del paraghiaia valgono:

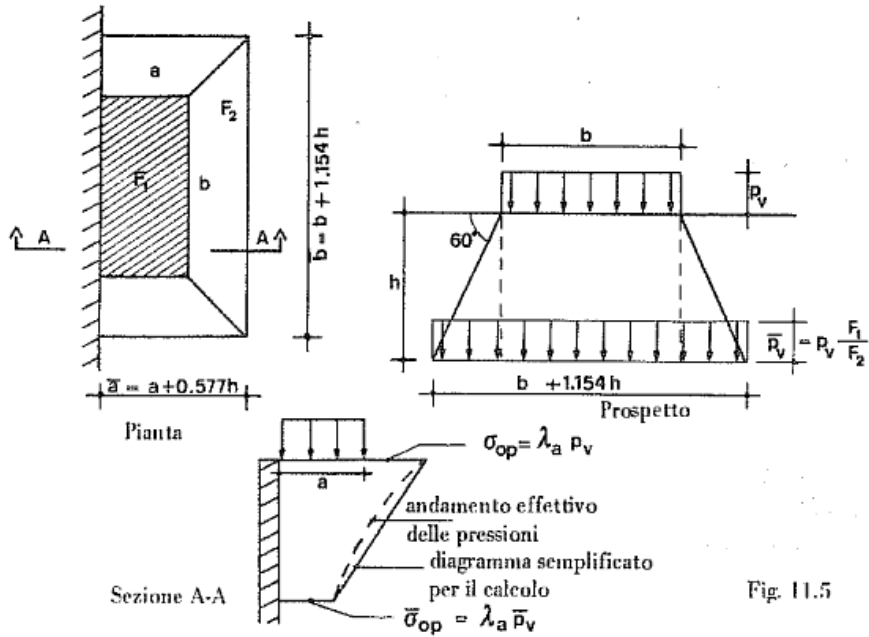


Fig. 11.5

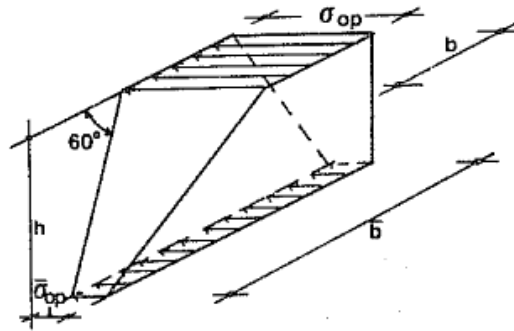


Fig. 11.6

$$S_{tot} = S_1 + S_2 = \bar{\sigma}_{op} \cdot h \cdot \left(\frac{b + \bar{b}}{2} \right) + \frac{1}{6} h \cdot (2b + \bar{b}) (\sigma_{op} - \bar{\sigma}_{op}) \quad (11.4)$$

$$M_{tot} = S_1 \cdot \frac{h}{3} \cdot \frac{2b + \bar{b}}{b + \bar{b}} + S_2 \left(h - \frac{h}{2} \cdot \frac{b + \bar{b}}{2b + \bar{b}} \right) \quad (11.5)$$

con semplici passaggi divengono:

$$S_{tot} = \frac{h}{6} [\sigma_{op} (2b + \bar{b}) + \bar{\sigma}_{op} (b + 2\bar{b})] \quad (11.6)$$

$$M_{tot} = \frac{h^2}{12} [\sigma_{op} (3b + \bar{b}) + \bar{\sigma}_{op} (b + \bar{b})] \quad (11.7)$$

Gli effetti dovuti al sovraccarico tandem valgono pertanto:

$M_{base,sovraccarico tandem}$	24.5	kNm/m
$T_{base,sovraccarico tandem}$	15.8	kN/m

Gli effetti dovuti al sovraccarico a tergo del paraghiaia valgono:

Tandem a tergo paragona		
q_{1k}	9	kN/m ²
Q_{1k}	600	kN
a	2.20	m
b	3.00	m
α	30	[°]
$q_{equivalente}$	99.9	kN/m ²
a'	4.1	m
b'	6.8	m
$\sigma_{v,sommità}$	99.9	kN/m ²
$\sigma_{v,base}$	23.5	kN/m ²
$\sigma_{h,sommità}$	24.4	kN/m ²
$\sigma_{h,base}$	5.8	kN/m ²
S	225.6	kNm
M	404.6	kNm
b _{eff}	8.2	m
t	27.4	kN/m
m	49.2	kNm/m

$M_{base,sovraccarico}$		
tandem	49.2	kNm/m
$T_{base,sovraccarico}$ tandem	27.4	kN/m

Combinando le suddette componenti di sollecitazione si ha (al metro lineare):

Nel caso di posizione **carico tandem a tergo muro paraghiaia** le sollecitazioni di verifica sono:

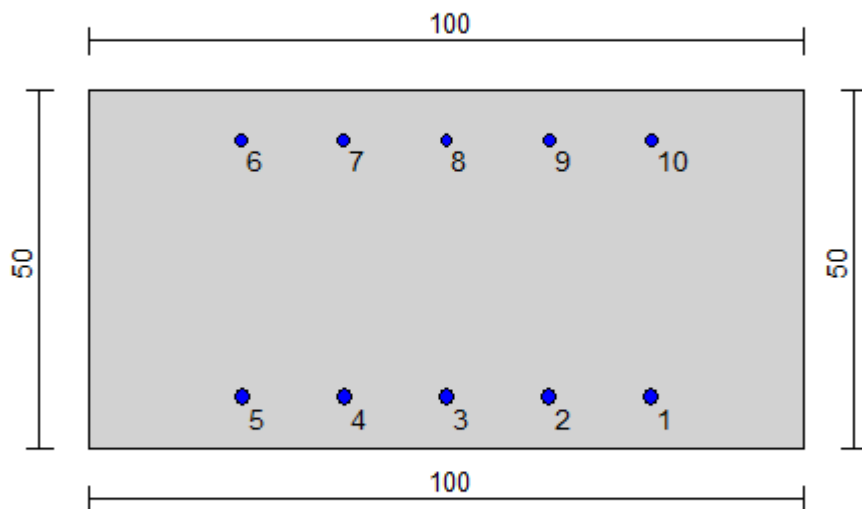
$M_{baseSLU}$	106.9	kNm/m	}	Verifica SLU				
$N_{baseSLU-max}$	59.4	kN/m						
$N_{baseSLU-min}$	44.0	kN/m						
$T_{baseSLU}$	73.2	kN/m						
$M_{baseSLE}$	79.2	kNm/m	}	Verifica SLE				
$N_{baseSLE-max}$	44.0	kN/m						
$N_{baseSLE-min}$	44.0	kN/m						
$T_{baseSLE}$	54.2	kN/m						

Nel caso di **asse sul bordo del paraghiaie** le sollecitazioni di verifica sono:

$M_{baseSLU}$	172.9	kNm/m	}	Verifica SLU				
$N_{baseSLU-max}$	194.4	kN/m						
$N_{baseSLU-min}$	144.0	kN/m						
$T_{baseSLU}$	58.9	kN/m						
$M_{baseSLE}$	128.0	kNm/m	}	Verifica SLE				
$N_{baseSLE-max}$	144.0	kN/m						
$N_{baseSLE-min}$	144.0	kN/m						
$T_{baseSLE}$	43.6	kN/m						

13.7.1. VERIFICA A PRESSOFLESSIONE

[2SI s.r.l - ProVLIM - Verifica sezioni](#)



Geometria della sezione:

Vertice	X	Y
n.	cm	cm
1	0.0	0.0
2	0.0	50.0
3	100.0	50.0
4	100.0	0.0

Armature:

Pos	X	Y	Area	Pretens.
n.	cm	cm	cmq	si / no
1	78.5	7.2	3.14	no
2	64.3	7.2	3.14	no
3	50.0	7.2	3.14	no
4	35.7	7.2	3.14	no
5	21.5	7.2	3.14	no
6	21.3	43.0	2.01	no
7	35.7	43.0	2.01	no
8	50.0	43.0	2.01	no
9	64.3	43.0	2.01	no
10	78.7	43.0	2.01	no

Normativa di riferimento:

D.M. 17/01/2018 - 'Norme tecniche per le costruzioni'

Note:

Verifiche SLE per ambiente aggressivo

Materiali:

Calcestruzzo classe: C32/40

Rck (resistenza caratteristica cubica a compressione) = 400.00 daN/cm²

fck (resistenza caratteristica cilindrica a compressione) = 332.00 daN/cm²

$f_{cd} = 188.13 \text{ daN/cm}^2$ ($\alpha_{cc} = 0.85$; $\gamma_c = 1.50$)
 f_{ctm} (resistenza a trazione media) = 30.99 daN/cm²
 G (modulo di elasticità tangenziale) = 150191 daN/cm²
 E (modulo elastico istantaneo iniziale) = 336428 daN/cm²
 ν (coefficiente di contrazione trasversale) = 0.20
 Coefficiente di dilatazione termica = 0.000050
 Peso specifico del calcestruzzo armato = 2500 daN/mc

Barre d'acciaio ad aderenza migliorata tipo: B450C

f_{yk} (tensione caratteristica di snervamento) = 4500 daN/cm²
 $f_{yd} = 3913 \text{ daN/cm}^2$ ($\gamma_a = 1.15$)
 f_{kt} (tensione caratteristica di rottura) = 5400 daN/cm²
 ϵ_{uk} (deformazione di rottura) = 0.075
 G (modulo di elasticità tangenziale) = 770000 daN/cm²
 E (modulo elastico) = 2000000 daN/cm²
 ν (coefficiente di contrazione trasversale) = 0.30
 Coefficiente di dilatazione termica = 0.000012
 Peso specifico = 7850 daN/mc

Intersezioni del dominio con gli assi N, Mx e My:

asse N - ($M_x = 0$, $M_y = 0$) $N_u = -1008.0 \text{ kN}$
 asse N + ($M_x = 0$, $M_y = 0$) $N_u = 10414.7 \text{ kN}$
 asse Mx + ($N = 0$, $M_y = 0$) $M_{xu} = 259.2 \text{ kN m}$
 asse Mx - ($N = 0$, $M_y = 0$) $M_{xu} = -181.0 \text{ kN m}$
 asse My + ($N = 0$, $M_x = 0$) $M_{yu} = 439.5 \text{ kN m}$
 asse My - ($N = 0$, $M_x = 0$) $M_{yu} = -439.5 \text{ kN m}$

Verifiche stato limite ultimo:

Per ogni combinazione di carico saranno svolte le verifiche:

Verifica per Mxu, Myu e Nu proporzionali (sigla t.v.= P)

Verifica con rapporto Mxu, Myu assegnato (sigla t.v.= M)

Verifica con Nu costante (sigla t.v.= N)

Verifiche SLU (verifica Ok per Sd/Su < 1)

Cmb	N	Mx	My	T	Vx	Vy
n.	kN m	kN m	kN	kN m	kN	kN
1	59.4	106.9	0.0	0.0	0.0	0.0
2	44.0	106.9	0.0	0.0	0.0	0.0
3	194.4	172.9	0.0	0.0	0.0	0.0
4	144.0	172.9	0.0	0.0	0.0	0.0

Risultati combinazioni maggiormente gravose:

Cmb	N	Mx	My	t.v.	Nu	Mxu	Myu	ϵ_{cls}	$\epsilon_{acciaio}$	Sd/Su	Ver
n.	kN	kN m	kN m		kN	kN m	kN m	%	%		
4	144.0	172.9	0.0	P	256.7	308.2	0.0	0.350	2.041	0.560	Ok
3	194.4	172.9	0.0	M	9229.9	172.8	0.0	0.305	0.096	0.020	Ok
4	144.0	172.9	0.0	N	144.0	286.7	0.0	0.350	2.202	0.600	Ok

13.7.1. VERIFICA A TAGLIO

Il valore massimo della sollecitazione di taglio vale: $V_u = 73.2$ kN/m

VERIFICA ALLO SLU A TAGLIO PER ELEMENTI SENZA ARMATURA A TAGLIO						
classe cls		Rck		40.0		N/mm ²
resist. caratteristica cilindrica		fck		33.20		N/mm ²
resist. media a compressione cilindrica		fcm		41.20		N/mm ²
coeff riduttivo per carichi lunga durata		α_{cc}		0.85		
coeff. parziale		γ_c		1.50		
resist. di calcolo a compressione		fcd		18.81		N/mm ²
resist. media trazione cls (trazione semplice)		fctm		3.10		N/mm ²
resist. media trazione cls (flessione)		fctm		3.72		N/mm ²
resist. caratteristica a trazione cls (flessione)		fctk		2.17		N/mm ²
resist. caratteristica a trazione cls (flessione)		fck		2.60		N/mm ²
resist. progetto a trazione cls (flessione)		fctd		1.45		N/mm ²
resist. progetto a trazione cls (trazione)		fcd		1.74		N/mm ²
altezza membratura resistente a V		D		0.50		m
altezza utile sezione		d		0.42		m
tensione media di compressione nella sezione < 0.2fcd				0.00		N/mm ²
larghezza membratura resist. a V		bw		1.00		m
k				1.69		
vmin				0.44		
Asl= armatura trazione ancorata (1)	n ferri		5	diametro (mm)		20
Asl= armatura trazione ancorata (2)	n ferri			diametro (mm)		
Asl= armatura trazione ancorata (3)	n ferri			diametro (mm)		
Asl= armatura trazione ancorata (4)	n ferri			diametro (mm)		
		Area tot		1571		mm ²
percentuale geometrica di armatura	ρ_l			0.0037		
Resistenza taglio elemento fessurato						
TAGLIO RESISTENTE		Vrd		197		kN
TAGLIO AGENTE		Vsdu		73.2		kN
				ok		
				F.S. =		2.69

All'interno del paragrafiaia si dispongono spilli $9\phi 8/mq$ (vedere elaborati di progetto).

13.7.2. VERIFICHE SLE

Verifiche stato limite di esercizio per c. c. rare:

Valori limite (tensioni: segno (+) = compressione, (-) = trazione):

CLS: $\sigma_{cL} = 19920.0$ kN/m² (verifica Ok per $\sigma_c/\sigma_{cL} < 1$)

Acciaio: $\sigma_{aL} = 360000.0$ kN/m² (verifica Ok per $\sigma_a/\sigma_{aL} < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	kN m	kN m	kN	kN m	kN	kN
5	79.2	0.0	44.0	0.0	0.0	0.0
6	128.0	0.0	144.0	0.0	0.0	0.0

Risultati combinazioni maggiormente gravosa:

Cmb	Mx	My	N	σ_c	σ_c/σ_{cL}	σ_a	σ_a/σ_{aL}	Ver
n.	kN m	kN m	kN	kN/mq		kN/mq		
6	128.0	0.0	144.0	5283.7	0.27	-165998.4	0.46	Ok

Verifiche stato limite di esercizio per c. c. frequenti:

Valori limite:

Fessure: $W_{kL} = 0.30$ mm (verifica Ok per $W_k/W_{kL} < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	kN m	kN m	kN	kN m	kN	kN
7	79.2	0.0	44.0	0.0	0.0	0.0
8	128.0	0.0	144.0	0.0	0.0	0.0

Risultati combinazioni maggiormente gravosa:

Cmb	Mx	My	N	Wk	Wk/WkL	Ver
n.	kN m	kN m	kN	mm		
8	128.0	0.0	144.0	0.23	0.78	Ok

Verifiche stato limite di esercizio per c. c. quasi permanenti:

Valori limite:

CLS: $\sigma_{cL} = 14940.0$ kN/mq (verifica Ok per $\sigma_c/\sigma_{cL} < 1$)

Fessure: $W_{kL} = 0.20$ mm (verifica Ok per $W_k/W_{kL} < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	kN m	kN m	kN	kN m	kN	kN
9	30.0	0.0	44.0	0.0	0.0	0.0

Risultati combinazioni maggiormente gravosa:

Cmb	Mx	My	N	σ_c	σ_c/σ_{cL}	Wk	Wk/WkL	Ver
n.	kN m	kN m	kN	kN/mq		mm		
9	30.0	0.0	44.0	1239.1	0.08	0.00	0.00	Ok

13.8. FONDAZIONE

Si riportano di seguito le sollecitazioni combinate ottenute per la sezione di verifica, espresse in kN e kNm.

SOLLECITAZIONI FONDAZIONE DEFINITIVE						
sbalzo anteriore			sbalzo posteriore			
	M (kN/m)	T (kN/m)		M (kN/m)	T (kN/m)	
Permanenti	399.27	382.81		Permanenti	-126.18	-76.10
Permanenti-r	281.68	270.50		Permanenti-r	-2.79	-8.43
Base-Mobili 1+Sov	541.78	514.06		Base-Mobili 1+Sov	-145.94	-72.92
Base Vento-Mobili 1+Sov	516.17	489.77		Base Vento-Mobili 1+Sov	-170.78	-86.68
Base-Mobili 2+Sov	512.71	487.59		Base-Mobili 2+Sov	-160.25	-84.45
Base Vento-Mobili 2+Sov	470.00	448.99		Base Vento-Mobili 2+Sov	-116.24	-67.09
Fren MB1+Sov	530.50	501.08		Fren MB1+Sov	-271.75	-133.99
Fren MB2+Sov	510.51	482.81		Fren MB2+Sov	-286.44	-144.30
Base-Mobili 1-r+Sov	412.87	392.02		Base-Mobili 1-r+Sov	7.40	7.69
Base Vento-Mobili 1-r+Sov	387.25	367.73		Base Vento-Mobili 1-r+Sov	-17.43	-6.07
Base-Mobili 2-r+Sov	385.88	367.35		Base-Mobili 2-r+Sov	-12.44	-6.23
Base Vento-Mobili 2-r+Sov	367.26	349.46		Base Vento-Mobili 2-r+Sov	-32.13	-16.39
Fren MB1-r+Sov	401.58	379.04		Fren MB1-r+Sov	-118.40	-53.38
Fren MB2-r+Sov	381.59	360.77		Fren MB2-r+Sov	-133.10	10.31
Base-Mobili 1	504.86	479.33		Base-Mobili 1	-48.54	-21.63
Base Vento-Mobili 1	477.48	454.31		Base Vento-Mobili 1	-68.67	-35.75
Base-Mobili 2	477.87	454.66		Base-Mobili 2	-68.39	-35.55
Base Vento-Mobili 2	457.49	436.03		Base Vento-Mobili 2	-83.37	-46.07
Fren MB1	489.51	464.65		Fren MB1	-100.48	-49.49
Fren MB2	469.52	446.37		Fren MB2	-115.18	-59.80
Base-Mobili 1-r	387.27	367.03		Base-Mobili 1-r	74.85	46.04
Base Vento-Mobili 1-r	359.89	342.00		Base Vento-Mobili 1-r	54.72	31.92
Base-Mobili 2-r	360.28	342.36		Base-Mobili 2-r	55.01	32.12
Base Vento-Mobili 2-r	339.91	323.73		Base Vento-Mobili 2-r	40.02	21.60
Fren MB1-r	371.92	352.35		Fren MB1-r	22.91	18.18
Fren MB2-r	351.93	334.07		Fren MB2-r	8.21	7.87
SL+	493.32	456.21		SL+	-421.77	-184.79
SL-	453.27	417.43		SL-	-458.39	-203.52

La fondazione è su pali, visto che risultano tutti compressi si assume che le sollecitazioni calcolate nell'ipotesi di fondazione diretta possano essere impiegate per la verifica.

13.8.1. VERIFICA A PRESSOFLESSIONE

Si riporta la verifica a pressoflessione per lo sbalzo posteriore della ciabatta di fondazione:

FONDAZIONE POSTERIORE

Verifica C.A. S.L.U. - File:

File Materiali Opzioni Visualizza Progetto Sez. Rett. Sismica Normativa: NTC 2018 ?

Titolo : _____

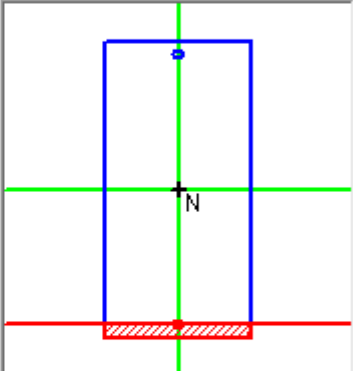
N° strati barre Zoom

N°	b [cm]	h [cm]
1	100	200

N°	As [cm²]	d [cm]
1	26.55	9
2	26.55	191

Tipo Sezione

Rettan.re Trapezi
 a T Circolare
 Rettangoli Coord.
 DXF



Sollecitazioni

S.L.U. Metodo n

N _{Ed}	<input type="text" value="0"/>	<input type="text" value="0"/> kN
M _{xEd}	<input type="text" value="-458.3"/>	<input type="text" value="0"/> kNm
M _{yEd}	<input type="text" value="0"/>	<input type="text" value="0"/>

P.to applicazione N

Centro Baricentro cls
 Coord.[cm] xN yN

Tipo rottura
Lato acciaio - Acciaio snervato

Materiali

B450C	C25/30
ε _{su} <input type="text" value="67.5"/> ‰	ε _{c2} <input type="text" value="2"/> ‰
f _{yd} <input type="text" value="391.3"/> N/mm²	ε _{cu} <input type="text" value="3.5"/>
E _s <input type="text" value="200'000"/> N/mm²	f _{cd} <input type="text" value="14.17"/>
E _s /E _c <input type="text" value="15"/>	f _{cc} /f _{cd} <input type="text" value="0.8"/> ?
ε _{syd} <input type="text" value="1.957"/> ‰	σ _{c,adm} <input type="text" value="9.75"/>
σ _{s,adm} <input type="text" value="255"/> N/mm²	τ _{co} <input type="text" value="0.6"/>
	τ _{c1} <input type="text" value="1.829"/>

M_{xRd} kN m

σ_c N/mm²

σ_s N/mm²

ε_c ‰

ε_s ‰

d cm

x x/d

δ

Metodo di calcolo

S.L.U.+ S.L.U.-
 Metodo n

Tipo flessione

Retta Deviata

N° rett.

L₀ cm

Precompresso

FONDAZIONE ANTERIORE

Verifica C.A. S.L.U. - File: _ □ ×

File Materiali Opzioni Visualizza Progetto Sez. Rett. Sismica Normativa: NTC 2018 ?

Titolo:

N° strati barre Zoom

N°	b [cm]	h [cm]
1	100	200

N°	As [cm²]	d [cm]
1	26.55	9
2	26.55	191

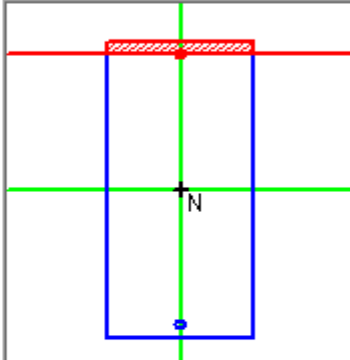
Tipo Sezione

Rettan.re Trapezi

a T Circolare

Rettangoli Coord.

DXF



Sollecitazioni

S.L.U. Metodo n

N _{Ed}	<input type="text" value="0"/>	<input type="text" value="0"/> kN
M _{xEd}	<input type="text" value="542"/>	<input type="text" value="0"/> kNm
M _{yEd}	<input type="text" value="0"/>	<input type="text" value="0"/>

P.to applicazione N

Centro Baricentro cls

Coord.[cm] xN yN

Tipo rottura

Lato acciaio - Acciaio snervato

Materiali

B450C	C25/30
ε _{su} <input type="text" value="67.5"/> ‰	ε _{c2} <input type="text" value="2"/> ‰
f _{yd} <input type="text" value="391.3"/> N/mm²	ε _{cu} <input type="text" value="3.5"/>
E _s <input type="text" value="200'000"/> N/mm²	f _{cd} <input type="text" value="14.17"/>
E _s /E _c <input type="text" value="15"/>	f _{cc} /f _{cd} <input type="text" value="0.8"/> ?
ε _{syd} <input type="text" value="1.957"/> ‰	σ _{c,adm} <input type="text" value="9.75"/>
σ _{s,adm} <input type="text" value="255"/> N/mm²	τ _{co} <input type="text" value="0.6"/>
	τ _{c1} <input type="text" value="1.829"/>

M_{xRd} kN m

σ_c N/mm²

σ_s N/mm²

ε_c ‰

ε_s ‰

d cm

x x/d

δ

Metodo di calcolo

S.L.U.+ S.L.U.-

Metodo n

Tipo flessione

Retta Deviata

N° rett.

Calcola MRd Dominio M-N

L_o cm Col. modello

M-curvatura

Precompresso

13.8.2. VERIFICA A TAGLIO

FONDAZIONE POSTERIORE

Si dispongono armature a taglio nell'ordine di 1 cavallotto ø26/2m2.
Per maggiori dettagli si rimanda agli elaborati di progetto.

VERIFICA ALLO SLU A TAGLIO PER ELEMENTI SENZA ARMATURA A TAGLIO				
classe cls	Rck		30.0	N/mmq
resist. caratteristica cilindrica	fck		24.90	N/mmq
resist. media a compressione cilindrica	fcm		32.90	N/mmq
coeff riduttivo per carichi lunga durata	α_{cc}		0.85	
coeff. parziale	γ_c		1.50	
resist. di calcolo a compressione	fcd		14.11	N/mmq
resist. media trazione cls (trazione semplice)	fctm		2.56	N/mmq
resist. media trazione cls (flessione)	fctm		3.07	N/mmq
resist. caratteristica a trazione cls (flessione)	fctk		1.79	N/mmq
resist. caratteristica a trazione cls (flessione)	fck		2.15	N/mmq
resist. progetto a trazione cls (flessione)	fctd		1.19	N/mmq
resist. progetto a trazione cls (trazione)	fcd		1.43	N/mmq
altezza membratura resistente a V	D		2.00	m
altezza utile sezione	d		1.91	m
tensione media di compressione nella sezione < 0.2fcd			0.00	N/mmq
larghezza membratura resist. a V	bw		1.00	m
k			1.32	
vmin			0.27	
Asl= armatura trazione ancorata (1)	n ferri	5	diametro (mm)	26
Asl= armatura trazione ancorata (2)	n ferri		diametro (mm)	
Asl= armatura trazione ancorata (3)	n ferri		diametro (mm)	
Asl= armatura trazione ancorata (4)	n ferri		diametro (mm)	
		Area tot	2655	mmq
percentuale geometrica di armatura	ρ_l		0.0014	
Resistenza taglio elemento fessurato				
TAGLIO RESISTENTE	Vrd		508	kN
TAGLIO AGENTE	Vsdu		203.5	kN
			ok	
			F.S. =	2.50

FONDAZIONE ANTERIORE

Si dispongono armature a taglio nell'ordine di 1 cavallotto $\varnothing 26/2m^2$.

Per maggiori dettagli si rimanda agli elaborati di progetto.

VERIFICA SLU A TAGLIO PER ELEMENTI CON ARMATURA A TAGLIO						
<u>Calcolo del taglio resistente</u>						
classe cls		Rck		30.00		N/mm ²
resist. caratteristica cilindrica		fck		24.90		N/mm ²
coeff riduttivo per carichi lunga durata		α,cc		0.85		
coeff. parziale		γc		1.50		
resist. di calcolo a compressione		fcd		14.11		N/mm ²
resist. media trazione cls (trazione semplice)		fctm		2.56		N/mm ²
resist. media trazione cls (flessione)		fcfm		3.07		N/mm ²
resist. caratteristica a trazione cls (flessione)		fcfk		2.15		N/mm ²
resist.caratt. snerv.acciaio		fyk		450		N/mm ²
coeff. parziale		γs		1.15		
resistenza di progetto		fyd		391.30		N/mm ²
altezza membratura resistente a V		D		2.00		m
altezza utile sezione		d		1.91		m
larghezza membratura resist. a V		bw		1.00		m
diametro staffe 1		Ds (1)		26		mm
n bracci staffe 1		nb (1)		1		
interasse staffe 1		s (1)		100		cm
diametro staffe 2		Ds (2)		0		mm
n bracci staffe 2		nb (2)		0		
interasse staffe 2		s (2)		4		cm
area staffe 1		Asw (1)		531		
area staffe 2		Asw (2)		0		mm ²
inclinazione staffe rispetto asse		α		90		°
inclinazione bielle compresse cls		θ		22		°
coefficiente maggiorativo per compressione		α,c		1		
Resistenza taglio acciaio		Vrsd		884		kN
Resistenza taglio cls		Vrcd		4212		kN

13.8.3. VERIFICHE SLE

FONDAZIONE POSTERIORE

Il momento di apertura prima fessurazione vale (considerando solo il cls):

$$\sigma_r = 0.7 f_{ctm} = 0.7 \times 0.3 \times f_{ck}^{2/3} = 1.79 \text{ N/mm}^2$$

$$M_f = \sigma_r \times W = 1.79 \times 2.2 \times 1000 / 6 = 1193 \text{ kNm} > 286.44/1.35 = 212.18 \text{ kN}$$

Operando in funzione della sicurezza, il massimo momento SLU viene diviso per 1.35; tale momento risulta inferiore al momento di prima fessurazione e pertanto la verifica non è necessaria.

FONDAZIONE ANTERIORE

Il momento di apertura prima fessurazione vale (considerando solo il cls):

$$\sigma_r = 0.7 f_{ctm} = 0.7 \times 0.3 \times f_{ck}^{2/3} = 1.79 \text{ N/mm}^2$$

$$M_f = \sigma_r \times W = 1.79 \times 2.2 \times 1000 / 6 = 1193 \text{ kNm} > 541.78/1.35 = 401.32 \text{ kN}$$

Operando in funzione della sicurezza, il massimo momento SLU viene diviso per 1.35; tale momento risulta inferiore al momento di prima fessurazione e pertanto la verifica non è necessaria.

La fondazione viene armata disponendo un'armatura costituita da $\varnothing 26/20$ cm sia all'intradosso che all'estradosso in direzione longitudinale; in direzione trasversale si prevedono $\varnothing 20/20$ cm sia all'intradosso che all'estradosso.

Inoltre vengono disposti due strati intermedi di $\varnothing 16/60$ cm.

Per maggiori dettagli si rimanda agli elaborati di progetto.

13.9. PALI DI FONDAZIONE

La spalla B si considera fondata su un gruppo di 11 pali \varnothing 1200 mm di lunghezza media pari a 9 m; i pali sono collegati da una platea di spessore pari a 2.00 m.

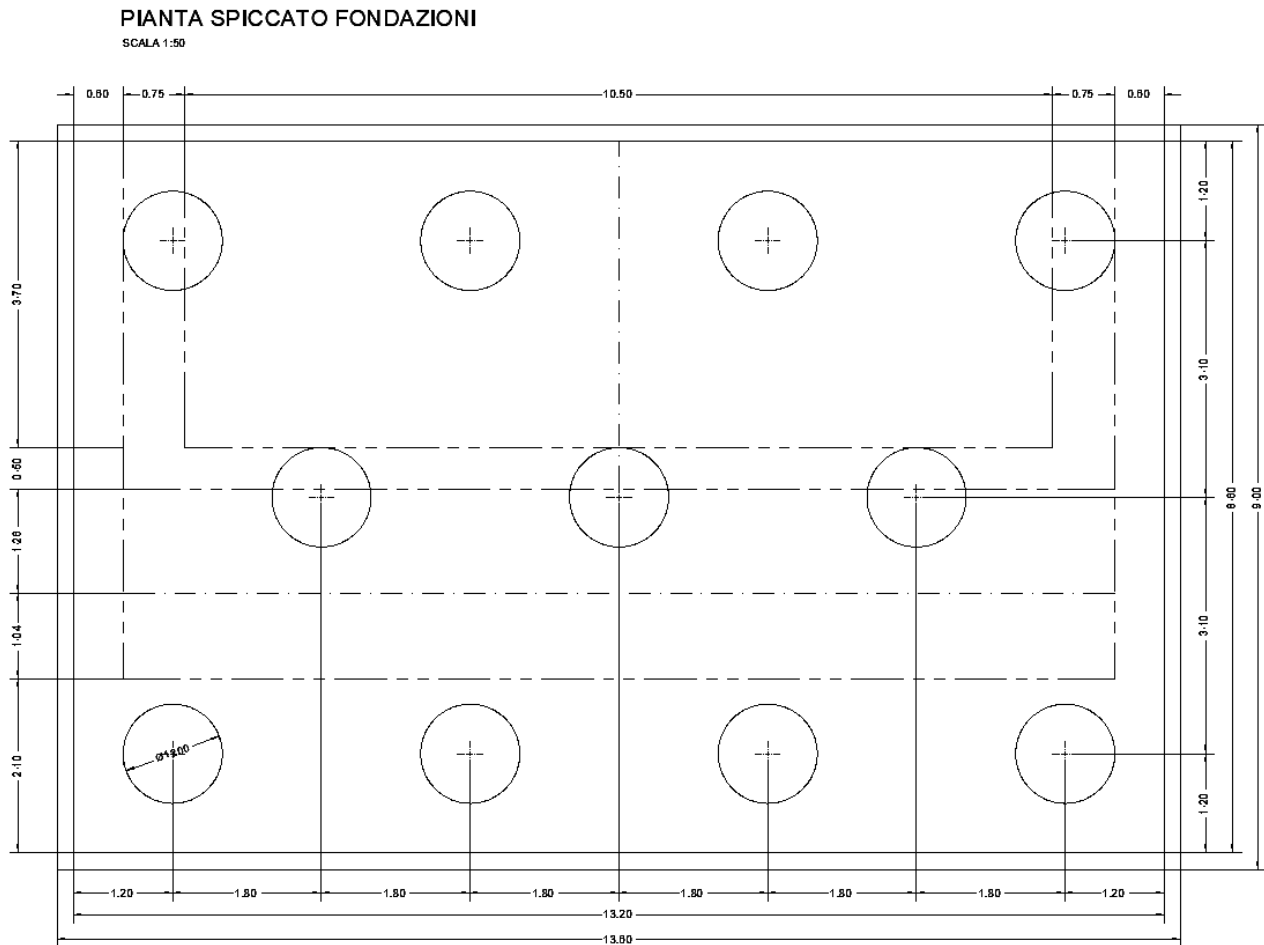


Figura 13-6 Geometria palificata spalla B

13.9.1. CRITERI DI CALCOLO

Gli sforzi normali sui pali più e meno caricati della palificata vengono calcolati sotto l'ipotesi che ciascun palo si comporti come un elemento elastico indipendente; tale assunzione porta ad un'applicazione della versione discreta del metodo del trapezio delle tensioni per cui:

dove

- n numero dei pali uguali componenti la palificata
- x_i distanza in direzione trasversale tra il baricentro del palo i -esimo e l'asse di simmetria
- y_i distanza in direzione longitudinale tra il baricentro del palo i -esimo e l'asse di simmetria

Lo sforzo di taglio massimo su ciascun palo si ricava semplicemente dividendo lo sforzo totale alla base della fondazione per il numero di pali nell'ipotesi che l'interasse tra i pali non dia adito a fenomeni di interazione tra le varie file.

Il calcolo delle sollecitazioni flettenti sui pali di fondazione è condotto con i criteri che seguono.

Si parte con la definizione del modello geotecnico del sottosuolo calcolando il valore della costante di Winkler in direzione orizzontale alla profondità di circa - 3,00 m dalla testa palo, ovvero in

corrispondenza della sezione in cui, con buona approssimazione, si attende il massimo della sollecitazione flettente.

Il valore utilizzato nella modellazione è ottenuto mediante procedura iterativa, verificando il soddisfacimento della condizione di congruenza, in termini di deformazioni, tra il palo e il terreno, modificando la rigidità traslazionale iniziale mediante le curve proposte da Stroud nel 1988.

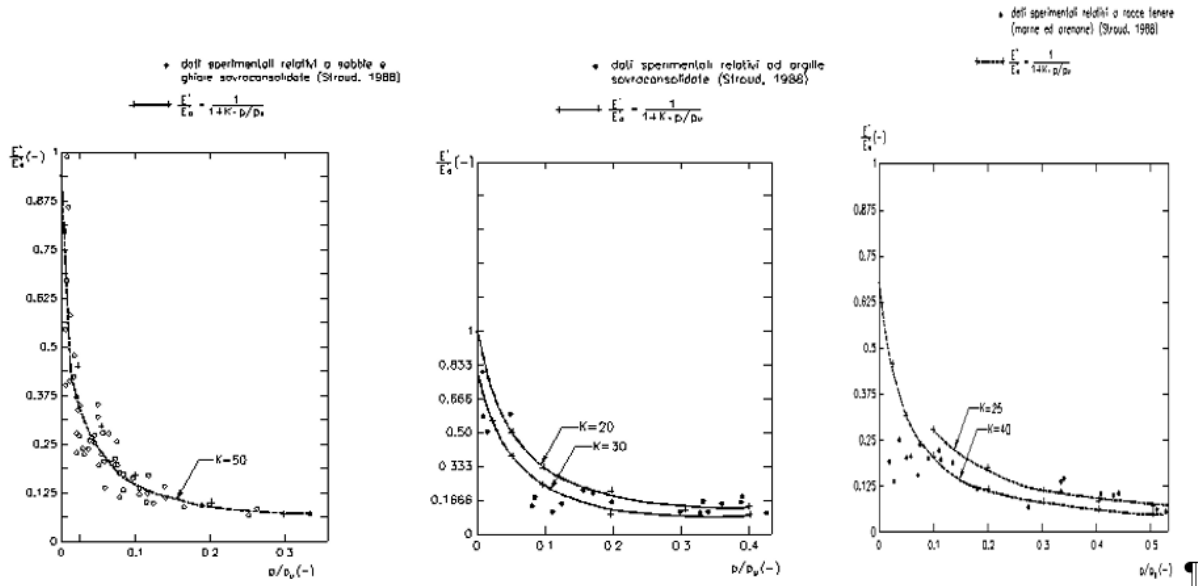
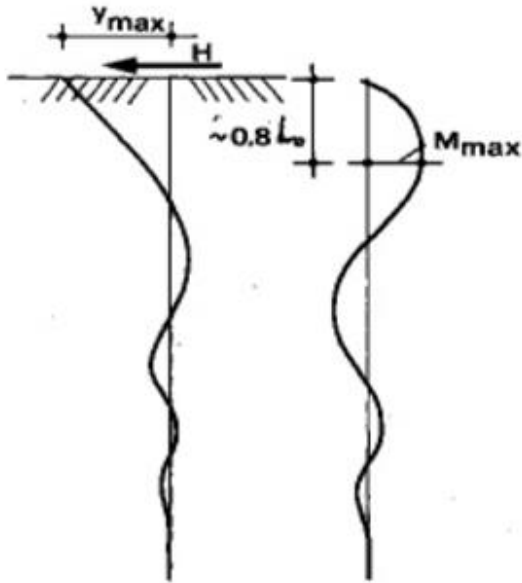
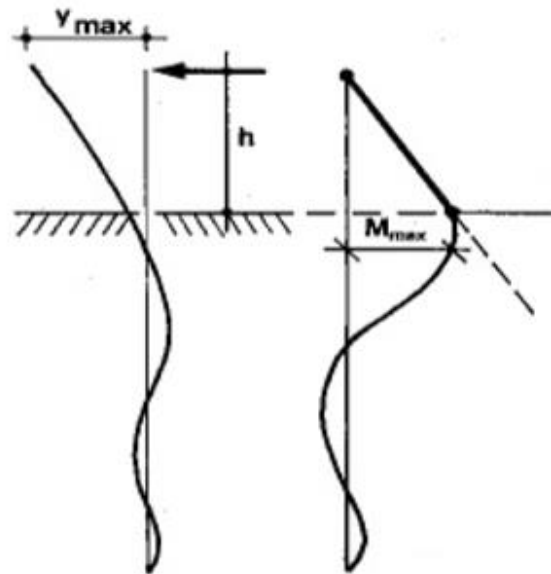


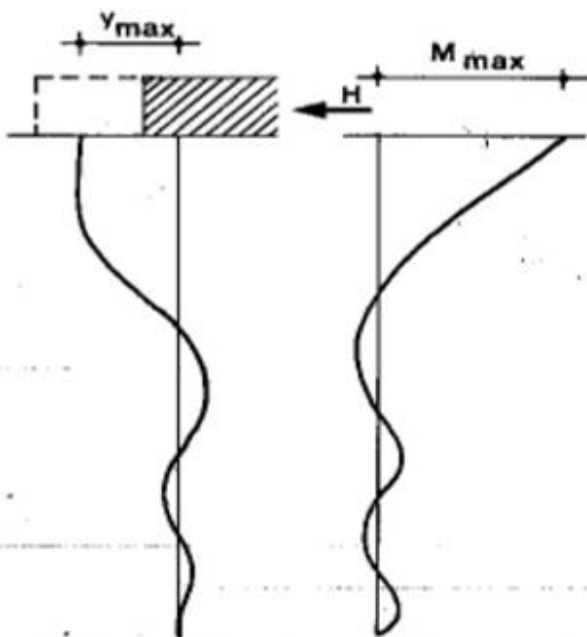
Figura 13-7 Grafici di Stroud per la definizione dei momenti agenti in pali di fondazione



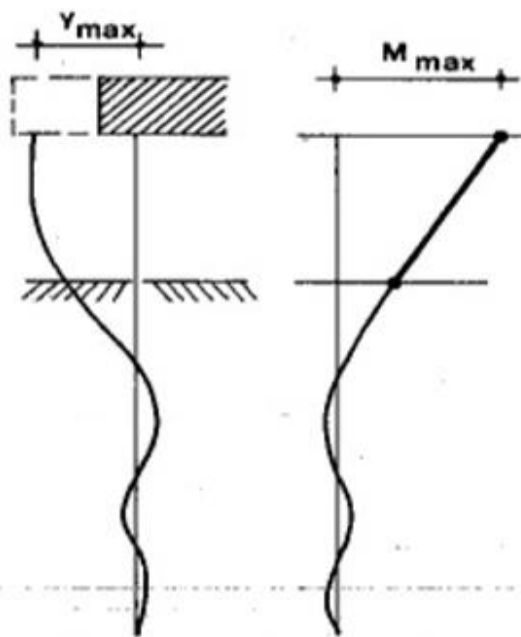
a) Palo libero in sommità
 $h = 0$



b) Palo libero in sommità
 $h > 0$



c) Palo impedito di ruotare in sommità
 $h = 0$



d) Palo impedito di ruotare in sommità
 $h > 0$

Il momento massimo vale:

$$M_{\max} = \frac{H \cdot L_0}{2}$$

Dove $L_0 = (4EJ / E_s)^{1/4}$ è detta "lunghezza elastica del palo" e E_s rappresenta il modulo di elasticità del suolo, funzione del coefficiente di sottofondo k .

Si riporta qui di seguito il risultato della suddetta procedura per i pali delle pile.

Si riportano di seguito i risultati ottenuti per la spalla A.

13.9.2. SOLLECITAZIONI AGENTI

Vengono riportate le sollecitazioni a livello del baricentro della ciabatta di fondazione della spalla B.

SOLLECITAZIONI ALLA BASE FONDAZIONE RISPETTO AL BARICENTRO CIABATTA					
FONDAZIONE(calcolo per intera spalla)					
	N[KN] + compre.	ML [KNm] + stabiliz	TL [KN] + verso ponte	MT	TT
Permanenti	36115	-8476	7628	11940	2857
Permanenti-r	26269	-5979	5691	11852	2316
Base-Mobili 1+Sov	40381	-17345	8697	16476	2857
Base Vento-Mobili 1+Sov	39275	-17084	8420	16752	3001
Base-Mobili 2+Sov	39639	-16202	8697	19004	2857
Base Vento-Mobili 2+Sov	38725	-14850	8420	18625	3001
Fren MB1+Sov	38812	-18892	8197	15300	2857
Fren MB2+Sov	38262	-18232	8197	17173	2857
Base-Mobili 1-r+Sov	30534	-12809	6761	14936	2172
Base Vento-Mobili 1-r+Sov	29428	-12548	6484	15212	2316
Base-Mobili 2-r+Sov	29792	-11918	6761	17464	2172
Base Vento-Mobili 2-r+Sov	28878	-11888	6484	17085	2316
Fren MB1-r+Sov	28965	-14357	6261	13760	2172
Fren MB2-r+Sov	28415	-13697	6261	15633	2172
Base-Mobili 1	39021	-11962	7628	16476	2857
Base Vento-Mobili 1	38267	-11059	7628	16752	3001
Base-Mobili 2	38278	-11071	7628	19004	2857
Base Vento-Mobili 2	37717	-10399	7628	18625	3001
Fren MB1	38267	-12023	7770	15300	2857
Fren MB2	37717	-11363	7770	17173	2857
Base-Mobili 1-r	29174	-9465	5691	14936	2172
Base Vento-Mobili 1-r	28421	-8561	5691	15212	2316
Base-Mobili 2-r	28431	-8574	5691	17464	2172
Base Vento-Mobili 2-r	27871	-7901	5691	17085	2316
Fren MB1-r	28421	-9525	5833	13760	2172
Fren MB2-r	27871	-8865	5833	15633	2172
SL+	29228	-36613	10018	26866	5228
SL-	25724	-38465	9985	27747	5228

Dalla combinazione delle sollecitazioni nell'ipotesi di struttura fondale rigida rispetto al terreno si ottengono le seguenti sollecitazioni caratteristiche sui pali.

Di seguito vengono riportate le sollecitazioni sui singoli pali per tutte le combinazioni di verifica agli SLU calcolate col modello di calcolo

NR	TIPO	Nmax (KN)	Nmin (KN)	T (KN)	M (KNm)
1	Permanenti	2952.33	1945.66	409.67	774.08
2	Permanenti-r	2259.47	1280.75	318.10	601.06
3	Base-Mobili 1+Sov	3489.26	2210.91	461.69	872.39
4	Base Vento-Mobili 1+Sov	3391.05	2101.15	455.60	860.87
5	Base-Mobili 2+Sov	3466.87	2098.30	461.69	872.39
6	Base Vento-Mobili 2+Sov	3390.69	2001.50	455.60	860.87
7	Fren MB1+Sov	3375.72	2023.13	440.40	832.15
8	Fren MB2+Sov	3364.14	1934.71	440.40	832.15
9	Base-Mobili 1-r+Sov	2731.23	1611.16	361.95	683.91
10	Base Vento-Mobili 1-r+Sov	2633.02	1501.40	355.56	671.84
11	Base-Mobili 2-r+Sov	2715.60	1491.79	361.95	683.91
12	Base Vento-Mobili 2-r+Sov	2621.44	1412.98	355.56	671.84
13	Fren MB1-r+Sov	2617.69	1423.39	340.41	643.22
14	Fren MB2-r+Sov	2606.11	1334.96	340.41	643.22
15	Base-Mobili 1	3336.98	2089.23	409.67	774.08
16	Base Vento-Mobili 1	3241.65	2047.62	418.09	790.00
17	Base-Mobili 2	3321.35	1969.86	409.67	774.08
18	Base Vento-Mobili 2	3252.57	1936.70	418.09	790.00
19	Fren MB1	3230.10	2059.17	419.72	793.07
20	Fren MB2	3218.52	1970.75	419.72	793.07
21	Base-Mobili 1-r	2615.56	1452.88	309.59	584.98
22	Base Vento-Mobili 1-r	2520.22	1411.27	318.10	601.06
23	Base-Mobili 2-r	2599.92	1333.51	309.59	584.98
24	Base Vento-Mobili 2-r	2509.29	1322.20	318.10	601.06
25	Fren MB1-r	2508.67	1422.82	319.62	603.94
26	Fren MB2-r	2497.09	1334.40	319.62	603.94
27	SL+	3095.87	846.47	632.57	1195.25
28	SL-	2891.01	536.12	629.55	1189.56

13.9.3. VERIFICA A PRESSOFLESSIONE

Si considerano per la verifica dei pali Ø1200 armati con 20 ferri longitudinali Ø 20.

Il momento massimo agente sui pali vale 992.5 kNm e si ha nella condizione sismica. Lo sforzo normale minimo sulla palificata in condizioni sismiche vale 746 kN, per cui i risultati della verifica sono sintetizzati nella figura che segue.

Verifica C.A. S.L.U. - File:

File Materiali Opzioni Visualizza Progetto Sez. Rett. Sismica Normativa: NTC 2018 ?

TITOLO :

Sezione circolare cava

Raggio esterno 60 [cm]
 Raggio interno 0 [cm]
 N° barre uguali 20
 Diametro barre 2 [cm]
 Copriferro (baric.) 7.3 [cm]

N° barre 0 Zoom

Tipo Sezione

Rettan.re Trapezi
 a T Circolare
 Rettangoli Coord.
 DXF

Sollecitazioni

S.L.U. Metodo n

N_{Ed} 536.12 0 kN
 M_{xEd} 0 0 kNm
 M_{yEd} 0 0

P.to applicazione N

Centro Baricentro cls
 Coord.[cm] xN 0 yN 0

Tipo rottura

Lato calcestruzzo - Acciaio snervato

Materiali

B450C C25/30

ϵ_{su} 67.5 ‰ ϵ_{c2} 2 ‰
 f_{yd} 391.3 N/mm² ϵ_{cu} 3.5 ‰
 E_s 200'000 N/mm² f_{cd} 14.17
 E_s/E_c 15 f_{cc}/f_{cd} 0.8 ?
 ϵ_{syd} 1.957 ‰ $\sigma_{c,adm}$ 9.75
 $\sigma_{s,adm}$ 255 N/mm² τ_{co} 0.6
 τ_{c1} 1.829

M_{xRd} 1'410 kN m

σ_c -14.17 N/mm²
 σ_s 391.3 N/mm²
 ϵ_c 3.5 ‰
 ϵ_s 12.72 ‰
 d 112.7 cm
 x 24.31 x/d 0.2157
 δ 0.7097

Metodo di calcolo

S.L.U.+ S.L.U.-
 Metodo n

Tipo flessione

Retta Deviata

Vertici: 52 N° rett. 100

Calcola MRd Dominio M-N

L_o 0 cm Col. modello

M-curvatura

Precompresso

I momenti flettenti sui pali agli stati limite ultimi sono sensibilmente minori; lo stesso vale per gli sforzi SLE, per cui si ritengono superflue le verifiche agli stati limite di esercizio (condizione sismica dimensionante).

13.9.4. VERIFICA A TAGLIO

Per la verifica a taglio di una sezione circolare si utilizza il metodo proposto da Clarke – Birjandi (1993).

Metodo di Clarke - Birjandi 1993

ϕ	1.2	m
r_s	0.517	m
c	0.07	m
d_{barre}	0.02	m
$sen\alpha$	0.549	
$cos\alpha$	0.836	

α	33.268	°
A_v	0.940	m ²
d	0.929	m
b_w	1.011	m

Quindi ponendo:

d = distanza dal bordo compresso al baricentro dell'armatura longitudinale tesa;

$\text{sen}(\alpha) = 2r_s/\pi r$ con $(0 < \alpha < \pi/2)$

$A_v = r^2[\pi/2 + \alpha + \cos(\alpha)\text{sen}(\alpha)]$

$d = r[1 + \text{sen}(\alpha)]$

$b_w = A_v/d$

Si esegue la verifica considerando il valore massimo dello sforzo di taglio che risulta pari a: $T_{\max} = 633$ kN/palo (combinazione sismica SL+).

Si utilizza un'armatura composta da spirale $\Phi 10/16$.

Per maggiori dettagli si rimanda alle tavole di progetto.

VERIFICA SLU A TAGLIO PER ELEMENTI CON ARMATURA A TAGLIO					
<u>Calcolo del taglio resistente</u>					
classe cls		Rck	30.00	N/mm ²	
resist. caratteristica cilindrica		fck	24.90	N/mm ²	
coeff riduttivo per carichi lunga durata		α, cc	0.85		
coeff. parziale		γ_c	1.50		
resist. di calcolo a compressione		fcd	14.11	N/mm ²	
resist. media trazione cls (trazione semplice)		fctm	2.56	N/mm ²	
resist. media trazione cls (flessione)		fctm	3.07	N/mm ²	
resist. caratteristica a trazione cls (flessione)		fck	2.15	N/mm ²	
resist. caratt. snerv. acciaio		fyk	450	N/mm ²	
coeff. parziale		γ_s	1.15		
resistenza di progetto		f _{yd}	391.30	N/mm ²	
altezza membratura resistente a V		D	1.20	m	
altezza utile sezione		d	0.93	m	
larghezza membratura resist. a V		b _w	1.01	m	
diametro staffe 1		D _s (1)	10	mm	
n bracci staffe 1		n _b (1)	2		
interasse staffe 1		s (1)	16	cm	
diametro staffe 2		D _s (2)	0	mm	
n bracci staffe 2		n _b (2)	0		
interasse staffe 2		s (2)	4	cm	
area staffe 1		A _{sw} (1)	157		
area staffe 2		A _{sw} (2)	0	mm ²	
inclinazione staffe rispetto asse		α	90	°	
inclinazione bielle compresse cls		θ	22	°	
coefficiente maggiorativo per compressione		α, c	1		
Resistenza taglio acciaio		V_{rsd}	796	kN	
Resistenza taglio cls		V_{rzd}	2072	kN	
Resistenza a taglio TAGLIO AGENTE		V_{rd}	796	kN	
		V_{sdu}	633	kN	
			ok		
			F.S. =	1.26	

13.10. MURI DI RISVOLTO

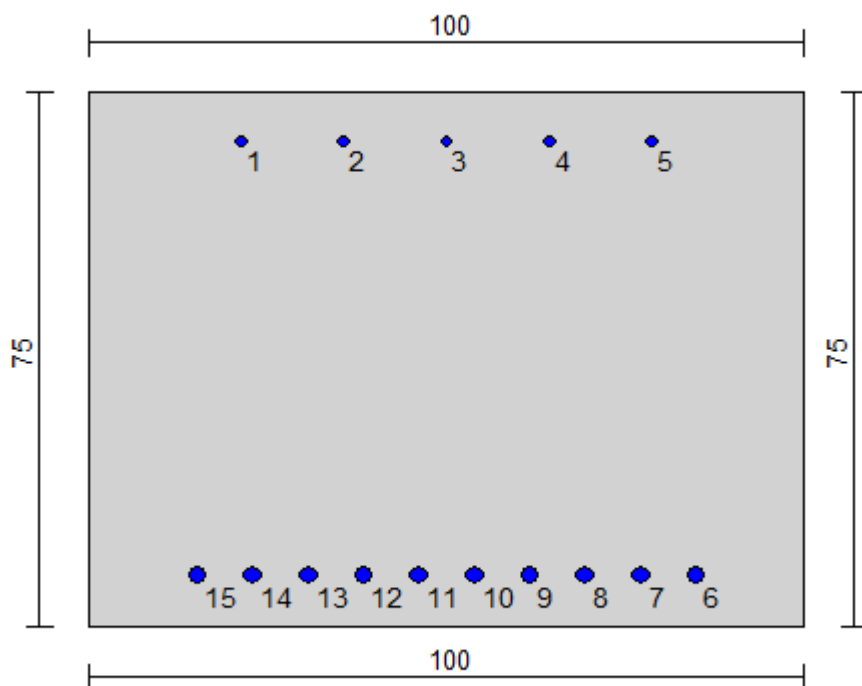
I muri di risvolto a favore di sicurezza vengono schematizzati come mensole alte 8.2 m e con spessore pari a 0.75 m.

Le sollecitazioni per la sezione di base sono le seguenti:

BASE ANDATORE (per 1 m)		
$N_{stat} =$	153.75	kN/m
$M_{stat} =$	823.19	kNm/m
$T_{stat} =$	271.08	kN/m
$N_{sism} =$	144.25	kN/m
$M_{sism} =$	988.71	kNm/m
$T_{sism} =$	308.44	kN/m

13.10.1. VERIFICHE A PRESSOFLESSIONE

2SI s.r.l - ProVLIM - Verifica sezioni



Geometria della sezione:

Vertice	X	Y
n.	cm	cm
1	0.0	0.0
2	0.0	75.0
3	100.0	75.0
4	100.0	0.0

Armature:

Pos	X	Y	Area	Pretens.
n.	cm	cm	cmq	sì / no

1	21.3	68.0	2.01	no
2	35.7	68.0	2.01	no
3	50.0	68.0	2.01	no
4	64.3	68.0	2.01	no
5	78.7	68.0	2.01	no
6	84.9	7.4	4.52	no
7	77.1	7.4	4.52	no
8	69.4	7.4	4.52	no
9	61.6	7.4	4.52	no
10	53.9	7.4	4.52	no
11	46.1	7.4	4.52	no
12	38.4	7.4	4.52	no
13	30.6	7.4	4.52	no
14	22.9	7.4	4.52	no
15	15.1	7.4	4.52	no

Normativa di riferimento:

D.M. 17/01/2018 - 'Norme tecniche per le costruzioni'

Note:

Verifiche SLE per ambiente ordinario

Materiali:

Calcestruzzo classe: C32/40

Rck (resistenza caratteristica cubica a compressione) = 400.00 daN/cm²

fck (resistenza caratteristica cilindrica a compressione) = 332.00 daN/cm²

fcd = 188.13 daN/cm² ($\alpha_{cc} = 0.85$; $\gamma_c = 1.50$)

fctm (resistenza a trazione media) = 30.99 daN/cm²

G (modulo di elasticità tangenziale) = 150191 daN/cm²

E (modulo elastico istantaneo iniziale) = 336428 daN/cm²

C. Poisson (coefficiente di contrazione trasversale) = 0.20

Coefficiente di dilatazione termica = 0.000050

Peso specifico del calcestruzzo armato = 2500 daN/mc

Barre d'acciaio ad aderenza migliorata tipo: B450C

fyk (tensione caratteristica di snervamento) = 4500 daN/cm²

fyd = 3913 daN/cm² ($\gamma_a = 1.15$)

fkt (tensione caratteristica di rottura) = 5400 daN/cm²

ϵ_{uk} (deformazione di rottura) = 0.075

G (modulo di elasticità tangenziale) = 770000 daN/cm²

E (modulo elastico) = 2000000 daN/cm²

C. Poisson (coefficiente di contrazione trasversale) = 0.30

Coefficiente di dilatazione termica = 0.000012

Peso specifico = 7850 daN/mc

Intersezioni del dominio con gli assi N, Mx e My:

asse N - (Mx = 0, My = 0) Nu = -2163.6 kN

asse N + (Mx = 0, My = 0) Nu = 16273.6 kN

asse Mx + (N = 0, My = 0) Mxu = 1115.6 kN m

asse Mx - (N = 0, My = 0) Mxu = -284.2 kN m

asse My + (N = 0, Mx = 0) Myu = 814.4 kN m

asse My - (N = 0, Mx = 0) Myu = -814.4 kN m

Verifiche stato limite ultimo:

Per ogni combinazione di carico saranno svolte le verifiche:

Verifica per M_{xu} , M_{yu} e N_u proporzionali (sigla t.v.= P)

Verifica con rapporto M_{xu} , M_{yu} assegnato (sigla t.v.= M)

Verifica con N_u costante (sigla t.v.= N)

Verifiche SLU (verifica Ok per $S_d/S_u < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	kN m	kN m	kN	kN m	kN	kN
1	153.8	823.2	0.0	0.0	0.0	0.0
2	144.3	988.7	0.0	0.0	0.0	0.0

Risultati combinazioni maggiormente gravose:

Cmb	N	Mx	My	t.v.	N_u	M_{xu}	M_{yu}	ϵ_{cls}	$\epsilon_{acciaio}$	S_d/S_u	Ver
n.	kN	kN m	kN m		kN	kN m	kN m	%	%		
2	144.3	988.7	0.0	P	170.0	1165.1	0.0	0.350	1.792	0.850	Ok
1	153.8	823.2	0.0	M	11828.7	822.0	0.0	0.350	0.028	0.010	Ok
2	144.3	988.7	0.0	N	144.3	1157.6	0.0	0.350	1.818	0.850	Ok

13.10.2. VERIFICHE A TAGLIO

Si prevedono armature a taglio orizzontali $9\phi 10/m^2$.

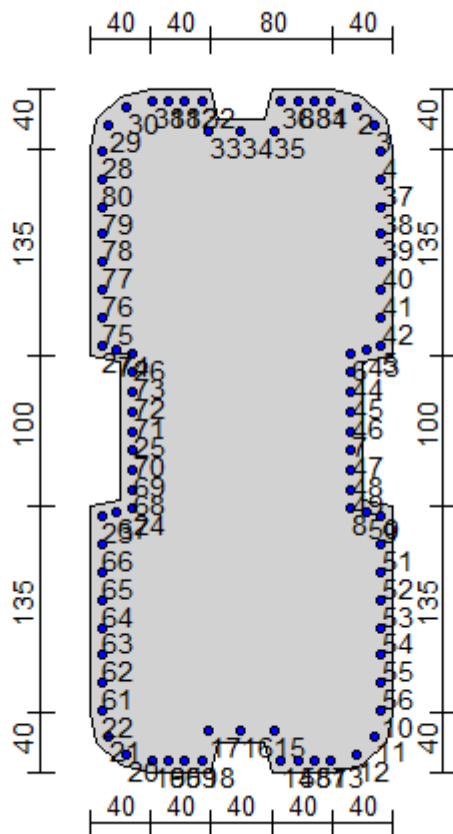
Per maggiori dettagli si rimanda agli elaborati di progetto.

VERIFICA ALLO SLU A TAGLIO PER ELEMENTI SENZA ARMATURA A TAGLIO				
classe cls		Rck	40.0	N/mm ²
resist. caratteristica cilindrica		fck	33.20	N/mm ²
resist. media a compressione cilindrica		fcm	41.20	N/mm ²
coeff riduttivo per carichi lunga durata		α_{cc}	0.85	
coeff. parziale		γ_c	1.50	
resist. di calcolo a compressione		fcd	18.81	N/mm ²
resist. media trazione cls (trazione semplice)		fctm	3.10	N/mm ²
resist. media trazione cls (flessione)		fctm	3.72	N/mm ²
resist. caratteristica a trazione cls (flessione)		fctk	2.17	N/mm ²
resist. caratteristica a trazione cls (flessione)		fck	2.60	N/mm ²
resist. progetto a trazione cls (flessione)		fctd	1.45	N/mm ²
resist. progetto a trazione cls (trazione)		fcd	1.74	N/mm ²
altezza membratura resistente a V		D	0.75	m
altezza utile sezione		d	0.67	m
tensione media di compressione nella sezione < 0.2fcd			0.00	N/mm ²
larghezza membratura resist. a V		bw	1.00	m
k			1.55	
vmin			0.39	
Asl= armatura trazione ancorata (1)	n ferri	10	diametro (mm)	24
Asl= armatura trazione ancorata (2)	n ferri		diametro (mm)	
Asl= armatura trazione ancorata (3)	n ferri		diametro (mm)	
Asl= armatura trazione ancorata (4)	n ferri		diametro (mm)	
		Area tot	4524	mm ²
percentuale geometrica di armatura	ρ_l		0.0068	
Resistenza taglio elemento fessurato				
TAGLIO RESISTENTE		Vrd	351	kN
TAGLIO AGENTE		Vsdu	300.4	kN
			ok	
			F.S. =	1.17

14. VERIFICHE STRUTTURALI PILA 1 (STR)

14.1. BASE PILA

14.1.1. VERIFICA A PRESSOFLESSIONE



Geometria della sezione:

Vertice	X	Y
n.	cm	cm
1	160.0	450.0
2	179.4	445.0
3	195.0	429.4
4	200.0	410.0
5	200.0	275.0
6	180.0	270.0
7	180.0	225.0
8	180.0	180.0
9	200.0	175.0
10	200.0	40.0
11	195.0	20.6
12	179.4	5.0
13	160.0	0.0
14	120.0	0.0
15	115.0	20.0
16	100.0	20.0
17	85.0	20.0
18	80.0	0.0
19	40.0	0.0
20	20.6	5.0
21	5.0	20.6
22	0.0	40.0
23	0.0	175.0
24	20.0	180.0
25	20.0	225.0

26	20.0	270.0
27	0.0	275.0
28	0.0	410.0
29	5.0	429.4
30	20.6	445.0
31	40.0	450.0
32	80.0	450.0
33	85.0	430.0
34	100.0	430.0
35	115.0	430.0
36	120.0	450.0

Armature:

Pos	X	Y	Area	Pretens.
n.	cm	cm	cmq	si / no
1	159.0	442.2	4.52	no
2	175.3	438.0	4.52	no
3	188.0	425.3	4.52	no
4	192.2	409.0	4.52	no
5	192.2	281.1	4.52	no
6	172.2	276.1	4.52	no
7	172.2	225.0	4.52	no
8	172.2	173.9	4.52	no
9	192.2	168.9	4.52	no
10	192.2	41.0	4.52	no
11	188.0	24.7	4.52	no
12	175.3	12.0	4.52	no
13	159.0	7.8	4.52	no
14	126.1	7.8	4.52	no
15	121.1	27.8	4.52	no
16	100.0	27.8	4.52	no
17	78.9	27.8	4.52	no
18	73.9	7.8	4.52	no
19	41.0	7.8	4.52	no
20	24.7	12.0	4.52	no
21	12.0	24.7	4.52	no
22	7.8	41.0	4.52	no
23	7.8	168.9	4.52	no
24	27.8	173.9	4.52	no
25	27.8	225.0	4.52	no
26	27.8	276.1	4.52	no
27	7.8	281.1	4.52	no
28	7.8	409.0	4.52	no
29	12.0	425.3	4.52	no
30	24.7	438.0	4.52	no
31	41.0	442.2	4.52	no
32	73.9	442.2	4.52	no
33	78.9	422.2	4.52	no
34	100.0	422.2	4.52	no
35	121.1	422.2	4.52	no
36	126.1	442.2	4.52	no
37	192.2	390.7	4.52	no
38	192.2	372.5	4.52	no
39	192.2	354.2	4.52	no
40	192.2	335.9	4.52	no
41	192.2	317.6	4.52	no
42	192.2	299.4	4.52	no
43	182.2	278.6	4.52	no
44	172.2	263.3	4.52	no
45	172.2	250.5	4.52	no
46	172.2	237.8	4.52	no
47	172.2	212.2	4.52	no
48	172.2	199.5	4.52	no
49	172.2	186.7	4.52	no
50	182.2	171.4	4.52	no
51	192.2	150.6	4.52	no
52	192.2	132.4	4.52	no

53	192.2	114.1	4.52	no
54	192.2	95.8	4.52	no
55	192.2	77.5	4.52	no
56	192.2	59.3	4.52	no
57	148.0	7.8	4.52	no
58	137.1	7.8	4.52	no
59	62.9	7.8	4.52	no
60	52.0	7.8	4.52	no
61	7.8	59.3	4.52	no
62	7.8	77.5	4.52	no
63	7.8	95.8	4.52	no
64	7.8	114.1	4.52	no
65	7.8	132.4	4.52	no
66	7.8	150.6	4.52	no
67	17.8	171.4	4.52	no
68	27.8	186.7	4.52	no
69	27.8	199.5	4.52	no
70	27.8	212.2	4.52	no
71	27.8	237.8	4.52	no
72	27.8	250.5	4.52	no
73	27.8	263.3	4.52	no
74	17.8	278.6	4.52	no
75	7.8	299.4	4.52	no
76	7.8	317.6	4.52	no
77	7.8	335.9	4.52	no
78	7.8	354.2	4.52	no
79	7.8	372.5	4.52	no
80	7.8	390.7	4.52	no
81	52.0	442.2	4.52	no
82	62.9	442.2	4.52	no
83	137.1	442.2	4.52	no
84	148.0	442.2	4.52	no

Normativa di riferimento:

D.M. 17/01/2018 - 'Norme tecniche per le costruzioni'

Note:

Verifiche SLE per ambiente aggressivo

Materiali:

Calcestruzzo classe: C32/40

Rck (resistenza caratteristica cubica a compressione) = 400.00 daN/cm²

fck (resistenza caratteristica cilindrica a compressione) = 332.00 daN/cm²

fcd = 188.13 daN/cm² ($\alpha_{cc} = 0.85$; $\gamma_c = 1.50$)

fctm (resistenza a trazione media) = 30.99 daN/cm²

G (modulo di elasticità tangenziale) = 150191 daN/cm²

E (modulo elastico istantaneo iniziale) = 336428 daN/cm²

C. Poisson (coefficiente di contrazione trasversale) = 0.20

Coefficiente di dilatazione termica = 0.000050

Peso specifico del calcestruzzo armato = 2500 daN/mc

Barre d'acciaio ad aderenza migliorata tipo: B450C

f_{yk} (tensione caratteristica di snervamento) = 4500 daN/cm²

f_{yd} = 3913 daN/cm² ($\gamma_a = 1.15$)

f_{kt} (tensione caratteristica di rottura) = 5400 daN/cm²

ε_{uk} (deformazione di rottura) = 0.075

G (modulo di elasticità tangenziale) = 770000 daN/cm²

E (modulo elastico) = 2000000 daN/cm²

C. Poisson (coefficiente di contrazione trasversale) = 0.30

Coefficiente di dilatazione termica = 0.000012

Peso specifico = 7850 daN/mc

Intersezioni del dominio con gli assi N, Mx e My:

asse N - (Mx = 0, My = 0) Nu = -1486984 daN
 asse N + (Mx = 0, My = 0) Nu = 17139298 daN
 asse Mx + (N = 0, My = 0) Mxu = 307974453 daN cm
 asse Mx - (N = 0, My = 0) Mxu = -307974453 daN cm
 asse My + (N = 0, Mx = 0) Myu = 136638035 daN cm
 asse My - (N = 0, Mx = 0) Myu = -136638035 daN cm

Verifiche stato limite ultimo:

Per ogni combinazione di carico saranno svolte le verifiche:

Verifica per Mxu, Myu e Nu proporzionali (sigla t.v.= P)

Verifica con rapporto Mxu, Myu assegnato (sigla t.v.= M)

Verifica con Nu costante (sigla t.v.= N)

Verifiche SLU (verifica Ok per Sd/Su < 1)

Cmb	N	Mx	My	T	Vx	Vy
n.	daN cm	daN cm	daN	daN cm	daN	daN
1	1597805	8.20E+07	-3.59E+07	91782	-34805	66737
2	2179132	5683723	-3.73E+07	107923	-36173	68197
3	1754545	1.11E+08	-3.65E+07	49643	-35363	67540
4	2038267	-2.31E+07	-3.71E+07	140817	-35930	67693
5	1910446	4.71E+07	-3.39E+07	74178	-32887	67738
6	1955544	3.73E+07	-4.00E+07	140858	-38670	67909
7	1605729	8.41E+07	-3.59E+07	51580	-34796	68382
8	2190775	1.56E+08	-3.67E+07	31541	-35600	67033
9	2055656	1.88E+08	-3.65E+07	-2987	-35380	67567
10	1761629	5.37E+07	-3.68E+07	91692	-35703	67621
11	1927035	1.21E+08	-3.31E+07	65428	-32154	67522
12	1964023	1.23E+08	-4.01E+07	-3795	-38833	67329
13	1597220	-8.57E+07	-3.16E+07	-43253	-30569	-69753
14	2178546	-1.62E+08	-3.31E+07	-27113	-31938	-68293
15	1753959	-5.67E+07	-3.22E+07	-85393	-31127	-68950
16	2037682	-1.91E+08	-3.28E+07	5781	-31695	-68797
17	1909861	-1.21E+08	-2.96E+07	-60858	-28652	-68752
18	1954958	-1.30E+08	-3.57E+07	5822	-34434	-68581
19	1605144	-8.36E+07	-3.16E+07	-83456	-30561	-68108
20	2190190	-1.15E+07	-3.25E+07	-103495	-31365	-69457
21	2055071	2.03E+07	-3.22E+07	-138023	-31144	-68923
22	1761044	-1.14E+08	-3.26E+07	-43344	-31468	-68869
23	1926450	-4.66E+07	-2.88E+07	-69608	-27919	-68968
24	1963438	-4.44E+07	-3.59E+07	-138831	-34597	-69161
25	1562349	8.35E+07	-3.56E+07	90852	-34553	66739
26	2143675	7195027	-3.71E+07	106992	-35921	68199
27	1719088	1.13E+08	-3.62E+07	48713	-35111	67542
28	2002811	-2.16E+07	-3.68E+07	139886	-35678	67695
29	1874990	4.87E+07	-3.36E+07	73248	-32636	67740
30	1920087	3.88E+07	-3.97E+07	139928	-38418	67911
31	1570273	8.56E+07	-3.56E+07	50649	-34544	68384
32	2155318	1.58E+08	-3.65E+07	30610	-35349	67035
33	2020199	1.89E+08	-3.62E+07	-3918	-35128	67569
34	1726172	5.52E+07	-3.66E+07	90761	-35452	67623
35	1891579	1.23E+08	-3.29E+07	64497	-31902	67524
36	1928567	1.25E+08	-3.99E+07	-4726	-38581	67331
37	1561764	-8.42E+07	-3.14E+07	-44184	-30318	-69751

38	2143090	-1.61E+08	-3.28E+07	-28044	-31686	-68291
39	1718503	-5.52E+07	-3.19E+07	-86323	-30875	-68948
40	2002226	-1.89E+08	-3.25E+07	4850	-31443	-68795
41	1874405	-1.19E+08	-2.93E+07	-61788	-28400	-68751
42	1919502	-1.29E+08	-3.54E+07	4892	-34183	-68579
43	1569688	-8.21E+07	-3.14E+07	-84387	-30309	-68106
44	2154733	-9951418	-3.22E+07	-104425	-31113	-69455
45	2019614	2.18E+07	-3.20E+07	-138954	-30893	-68921
46	1725587	-1.12E+08	-3.23E+07	-44274	-31216	-68867
47	1890994	-4.51E+07	-2.86E+07	-70539	-27667	-68966
48	1927981	-4.29E+07	-3.56E+07	-139762	-34345	-69159
49	1619921	8.23E+07	-3.56E+07	91443	-34532	66746
50	2201247	5944813	-3.70E+07	107583	-35900	68206
51	1776660	1.11E+08	-3.62E+07	49304	-35090	67550
52	2060383	-2.28E+07	-3.68E+07	140478	-35657	67702
53	1932562	4.74E+07	-3.36E+07	73839	-32615	67747
54	1977659	3.76E+07	-3.97E+07	140519	-38397	67918
55	1627845	8.43E+07	-3.56E+07	51241	-34523	68392
56	2212890	1.57E+08	-3.64E+07	31202	-35327	67043
57	2077772	1.88E+08	-3.62E+07	-3326	-35107	67577
58	1783744	5.40E+07	-3.66E+07	91353	-35431	67631
59	1949151	1.21E+08	-3.28E+07	65089	-31881	67531
60	1986139	1.24E+08	-3.98E+07	-4134	-38560	67338
61	1619336	-8.54E+07	-3.13E+07	-43593	-30297	-69744
62	2200662	-1.62E+08	-3.28E+07	-27452	-31665	-68284
63	1776075	-5.64E+07	-3.19E+07	-85732	-30854	-68941
64	2059798	-1.91E+08	-3.25E+07	5442	-31422	-68788
65	1931977	-1.20E+08	-2.93E+07	-61197	-28379	-68743
66	1977074	-1.30E+08	-3.54E+07	5483	-34161	-68572
67	1627260	-8.34E+07	-3.13E+07	-83795	-30288	-68098
68	2212305	-1.12E+07	-3.22E+07	-103834	-31092	-69447
69	2077186	2.05E+07	-3.19E+07	-138362	-30872	-68913
70	1783159	-1.14E+08	-3.23E+07	-43683	-31195	-68859
71	1948566	-4.64E+07	-2.86E+07	-69947	-27646	-68959
72	1985553	-4.42E+07	-3.56E+07	-139170	-34324	-69152
73	1584464	8.38E+07	-3.53E+07	90513	-34280	66748
74	2165791	7456117	-3.68E+07	106653	-35648	68208
75	1741204	1.13E+08	-3.59E+07	48374	-34838	67551
76	2024927	-2.13E+07	-3.65E+07	139547	-35406	67704
77	1897106	4.89E+07	-3.33E+07	72909	-32363	67749
78	1942203	3.91E+07	-3.94E+07	139588	-38145	67920
79	1592389	8.59E+07	-3.53E+07	50310	-34272	68394
80	2177434	1.58E+08	-3.62E+07	30271	-35076	67044
81	2042315	1.90E+08	-3.60E+07	-4257	-34855	67579
82	1748288	5.55E+07	-3.63E+07	90422	-35179	67633
83	1913694	1.23E+08	-3.26E+07	64158	-31629	67533
84	1950682	1.25E+08	-3.96E+07	-5065	-38308	67340
85	1583879	-8.39E+07	-3.11E+07	-44523	-30045	-69742
86	2165206	-1.60E+08	-3.25E+07	-28383	-31413	-68282
87	1740619	-5.49E+07	-3.17E+07	-86662	-30602	-68939
88	2024341	-1.89E+08	-3.23E+07	4511	-31170	-68786
89	1896520	-1.19E+08	-2.91E+07	-62127	-28127	-68741
90	1941618	-1.29E+08	-3.51E+07	4553	-33910	-68570
91	1591804	-8.18E+07	-3.11E+07	-84726	-30036	-68096
92	2176849	-9690329	-3.19E+07	-104765	-30840	-69446
93	2041730	2.20E+07	-3.17E+07	-139293	-30620	-68911
94	1747703	-1.12E+08	-3.20E+07	-44613	-30943	-68857
95	1913109	-4.49E+07	-2.83E+07	-70878	-27394	-68957
96	1950097	-4.27E+07	-3.53E+07	-140101	-34073	-69150
97	1183350	8.20E+07	-3.59E+07	91960	-34831	66736
98	1764676	5693969	-3.74E+07	108100	-36200	68196
99	1340089	1.11E+08	-3.65E+07	49821	-35389	67540
100	1623812	-2.31E+07	-3.71E+07	140994	-35957	67693
101	1495991	4.72E+07	-3.39E+07	74356	-32914	67737
102	1541088	3.73E+07	-4.00E+07	141035	-38696	67909
103	1191274	8.41E+07	-3.59E+07	51757	-34823	68382
104	1776319	1.56E+08	-3.68E+07	31718	-35627	67033
105	1641201	1.88E+08	-3.65E+07	-2810	-35406	67567

106	1347174	5.37E+07	-3.69E+07	91869	-35730	67621
107	1512580	1.21E+08	-3.31E+07	65605	-32181	67521
108	1549568	1.23E+08	-4.02E+07	-3618	-38859	67328
109	1182765	-8.57E+07	-3.17E+07	-43076	-30596	-69754
110	1764091	-1.62E+08	-3.31E+07	-26936	-31964	-68294
111	1339504	-5.67E+07	-3.22E+07	-85215	-31154	-68950
112	1623227	-1.91E+08	-3.28E+07	5958	-31721	-68797
113	1495406	-1.21E+08	-2.96E+07	-60680	-28679	-68753
114	1540503	-1.30E+08	-3.57E+07	6000	-34461	-68582
115	1190689	-8.36E+07	-3.16E+07	-83279	-30587	-68108
116	1775734	-1.15E+07	-3.25E+07	-103318	-31391	-69457
117	1640615	2.03E+07	-3.23E+07	-137846	-31171	-68923
118	1346588	-1.14E+08	-3.26E+07	-43167	-31495	-68869
119	1511995	-4.66E+07	-2.89E+07	-69431	-27945	-68969
120	1548983	-4.44E+07	-3.59E+07	-138654	-34624	-69162
121	1147893	8.35E+07	-3.57E+07	91029	-34580	66738
122	1729220	7205273	-3.71E+07	107169	-35948	68198
123	1304633	1.13E+08	-3.62E+07	48890	-35137	67542
124	1588356	-2.15E+07	-3.68E+07	140063	-35705	67695
125	1460535	4.87E+07	-3.36E+07	73425	-32662	67739
126	1505632	3.88E+07	-3.97E+07	140105	-38445	67910
127	1155818	8.56E+07	-3.57E+07	50826	-34571	68384
128	1740863	1.58E+08	-3.65E+07	30788	-35375	67035
129	1605744	1.89E+08	-3.63E+07	-3740	-35155	67569
130	1311717	5.52E+07	-3.66E+07	90939	-35478	67623
131	1477124	1.23E+08	-3.29E+07	64674	-31929	67523
132	1514111	1.25E+08	-3.99E+07	-4548	-38607	67330
133	1147308	-8.42E+07	-3.14E+07	-44007	-30344	-69752
134	1728635	-1.60E+08	-3.28E+07	-27867	-31712	-68292
135	1304048	-5.52E+07	-3.20E+07	-86146	-30902	-68948
136	1587771	-1.89E+08	-3.26E+07	5028	-31470	-68795
137	1459949	-1.19E+08	-2.94E+07	-61611	-28427	-68751
138	1505047	-1.29E+08	-3.54E+07	5069	-34209	-68580
139	1155233	-8.21E+07	-3.14E+07	-84209	-30336	-68106
140	1740278	-9941173	-3.22E+07	-104248	-31140	-69455
141	1605159	2.18E+07	-3.20E+07	-138776	-30919	-68921
142	1311132	-1.12E+08	-3.23E+07	-44097	-31243	-68867
143	1476538	-4.51E+07	-2.86E+07	-70361	-27693	-68967
144	1513526	-4.29E+07	-3.56E+07	-139584	-34372	-69160
145	1205466	8.23E+07	-3.56E+07	91621	-34559	66746
146	1786792	5955058	-3.71E+07	107761	-35927	68206
147	1362205	1.11E+08	-3.62E+07	49481	-35116	67549
148	1645928	-2.28E+07	-3.68E+07	140655	-35684	67702
149	1518107	4.74E+07	-3.36E+07	74016	-32641	67747
150	1563204	3.76E+07	-3.97E+07	140696	-38424	67918
151	1213390	8.44E+07	-3.56E+07	51418	-34550	68391
152	1798435	1.57E+08	-3.65E+07	31379	-35354	67042
153	1663316	1.88E+08	-3.62E+07	-3149	-35134	67576
154	1369289	5.40E+07	-3.66E+07	91530	-35457	67630
155	1534696	1.21E+08	-3.29E+07	65266	-31908	67531
156	1571683	1.24E+08	-3.99E+07	-3957	-38586	67338
157	1204880	-8.54E+07	-3.14E+07	-43415	-30323	-69744
158	1786207	-1.62E+08	-3.28E+07	-27275	-31691	-68284
159	1361620	-5.64E+07	-3.20E+07	-85554	-30881	-68941
160	1645343	-1.90E+08	-3.26E+07	5619	-31448	-68788
161	1517522	-1.20E+08	-2.94E+07	-61019	-28406	-68743
162	1562619	-1.30E+08	-3.54E+07	5661	-34188	-68572
163	1212805	-8.33E+07	-3.14E+07	-83618	-30314	-68099
164	1797850	-1.12E+07	-3.22E+07	-103657	-31119	-69448
165	1662731	2.05E+07	-3.20E+07	-138185	-30898	-68914
166	1368704	-1.14E+08	-3.23E+07	-43506	-31222	-68860
167	1534111	-4.64E+07	-2.86E+07	-69770	-27672	-68959
168	1571098	-4.42E+07	-3.56E+07	-138993	-34351	-69152
169	1170009	8.38E+07	-3.54E+07	90690	-34307	66748
170	1751336	7466363	-3.68E+07	106830	-35675	68208
171	1326749	1.13E+08	-3.60E+07	48551	-34864	67551
172	1610471	-2.13E+07	-3.66E+07	139724	-35432	67704
173	1482650	4.89E+07	-3.34E+07	73086	-32389	67749

174	1527748	3.91E+07	-3.94E+07	139766	-38172	67920
175	1177933	8.59E+07	-3.54E+07	50487	-34298	68393
176	1762979	1.58E+08	-3.62E+07	30449	-35102	67044
177	1627860	1.90E+08	-3.60E+07	-4080	-34882	67578
178	1333833	5.55E+07	-3.63E+07	90600	-35205	67632
179	1499239	1.23E+08	-3.26E+07	64335	-31656	67533
180	1536227	1.25E+08	-3.96E+07	-4887	-38335	67340
181	1169424	-8.39E+07	-3.11E+07	-44346	-30071	-69742
182	1750750	-1.60E+08	-3.25E+07	-28206	-31440	-68282
183	1326163	-5.49E+07	-3.17E+07	-86485	-30629	-68939
184	1609886	-1.89E+08	-3.23E+07	4689	-31197	-68786
185	1482065	-1.19E+08	-2.91E+07	-61950	-28154	-68741
186	1527163	-1.29E+08	-3.52E+07	4730	-33936	-68570
187	1177348	-8.18E+07	-3.11E+07	-84548	-30063	-68097
188	1762394	-9680083	-3.19E+07	-104587	-30867	-69446
189	1627275	2.21E+07	-3.17E+07	-139115	-30646	-68912
190	1333248	-1.12E+08	-3.20E+07	-44436	-30970	-68858
191	1498654	-4.48E+07	-2.83E+07	-70700	-27420	-68957
192	1535642	-4.26E+07	-3.53E+07	-139923	-34099	-69150
193	1621722	8.00E+07	920203	103151	262	65486
194	1919044	3.97E+07	195686	107020	-428	66243
195	1699441	9.37E+07	583236	83003	-59	65900
196	1853233	2.61E+07	284769	120234	-343	66055
197	1795571	6.10E+07	1967922	91585	1260	66109
198	1811986	5.63E+07	-1308113	130085	-1860	66155
199	1626148	8.11E+07	922312	80357	264	66373
200	1923949	1.19E+08	539032	75538	-101	65651
201	1860295	1.34E+08	528821	60485	-111	65877
202	1705387	6.66E+07	391686	99598	-242	65977
203	1803843	1.01E+08	2407379	89902	1678	65826
204	1817169	1.02E+08	-1410724	49876	-1958	65775
205	1621137	-8.77E+07	5192795	-31885	4497	-71004
206	1918459	-1.28E+08	4468277	-28016	3807	-70247
207	1698856	-7.40E+07	4855827	-52033	4176	-70590
208	1852647	-1.42E+08	4557361	-14802	3892	-70435
209	1794986	-1.07E+08	6240513	-43451	5495	-70381
210	1811400	-1.11E+08	2964479	-4951	2375	-70335
211	1625563	-8.66E+07	5194904	-54679	4499	-70117
212	1923363	-4.90E+07	4811624	-59498	4134	-70839
213	1859710	-3.35E+07	4801412	-74551	4125	-70613
214	1704802	-1.01E+08	4664278	-35438	3994	-70513
215	1803258	-6.68E+07	6679971	-45134	5914	-70664
216	1816584	-6.58E+07	2861867	-85159	2277	-70715
217	1586266	8.15E+07	1184633	102220	514	65488
218	1883588	4.12E+07	460115	106089	-176	66245
219	1663985	9.52E+07	847665	82072	193	65901
220	1817776	2.77E+07	549199	119304	-92	66057
221	1760114	6.25E+07	2232351	90654	1512	66111
222	1776529	5.78E+07	-1043683	129154	-1609	66157
223	1590691	8.26E+07	1186741	79426	516	66374
224	1888492	1.20E+08	803461	74607	151	65653
225	1824838	1.36E+08	793250	59554	141	65879
226	1669931	6.81E+07	656116	98667	10	65979
227	1768386	1.02E+08	2671809	88971	1930	65827
228	1781712	1.03E+08	-1146295	48946	-1706	65777
229	1585681	-8.62E+07	5457224	-32815	4749	-71002
230	1883003	-1.27E+08	4732707	-28946	4059	-70245
231	1663400	-7.25E+07	5120257	-52964	4428	-70589
232	1817191	-1.40E+08	4821791	-15732	4144	-70433
233	1759529	-1.05E+08	6504943	-44382	5747	-70379
234	1775944	-1.10E+08	3228908	-5881	2627	-70333
235	1590106	-8.51E+07	5459333	-55610	4751	-70116
236	1887907	-4.75E+07	5076053	-60429	4386	-70837
237	1824253	-3.20E+07	5065842	-75482	4376	-70611
238	1669346	-9.96E+07	4928708	-36369	4246	-70511
239	1767801	-6.53E+07	6944400	-46065	6166	-70663
240	1781127	-6.43E+07	3126297	-86090	2529	-70713
241	1643838	8.03E+07	1206732	102812	535	65496

242	1941160	3.99E+07	482215	106681	-155	66253
243	1721557	9.40E+07	869765	82664	214	65909
244	1875348	2.64E+07	571299	119895	-71	66064
245	1817687	6.12E+07	2254451	91246	1533	66119
246	1834101	5.65E+07	-1021584	129746	-1588	66164
247	1648263	8.14E+07	1208841	80017	537	66382
248	1946064	1.19E+08	825561	75199	172	65661
249	1882411	1.34E+08	815350	60146	162	65887
250	1727503	6.69E+07	678215	99258	31	65986
251	1825959	1.01E+08	2693908	89563	1951	65835
252	1839285	1.02E+08	-1124195	49537	-1685	65784
253	1643253	-8.74E+07	5479324	-32224	4770	-70994
254	1940575	-1.28E+08	4754807	-28355	4080	-70237
255	1720972	-7.37E+07	5142356	-52372	4449	-70581
256	1874763	-1.41E+08	4843890	-15141	4165	-70426
257	1817101	-1.06E+08	6527043	-43790	5768	-70371
258	1833516	-1.11E+08	3251008	-5290	2648	-70326
259	1647678	-8.63E+07	5481433	-55018	4772	-70108
260	1945479	-4.87E+07	5098153	-59837	4407	-70829
261	1881825	-3.32E+07	5087941	-74890	4397	-70603
262	1726918	-1.01E+08	4950807	-35777	4267	-70504
263	1825373	-6.65E+07	6966500	-45473	6187	-70655
264	1838699	-6.55E+07	3148397	-85498	2550	-70706
265	1608381	8.18E+07	1471162	101881	787	65498
266	1905704	4.15E+07	746645	105750	97	66255
267	1686101	9.55E+07	1134194	81733	466	65911
268	1839892	2.79E+07	835728	118965	181	66066
269	1782230	6.27E+07	2518880	90315	1784	66121
270	1798645	5.81E+07	-757154	128815	-1336	66166
271	1612807	8.29E+07	1473271	79087	789	66384
272	1910608	1.20E+08	1089991	74268	424	65663
273	1846954	1.36E+08	1079779	59215	414	65888
274	1692047	6.84E+07	942645	98328	283	65988
275	1790502	1.03E+08	2958338	88632	2203	65837
276	1803828	1.04E+08	-859765	48607	-1433	65786
277	1607796	-8.59E+07	5743753	-33154	5022	-70992
278	1905119	-1.26E+08	5019236	-29285	4332	-70235
279	1685515	-7.22E+07	5406786	-53303	4701	-70579
280	1839307	-1.40E+08	5108320	-16071	4417	-70424
281	1781645	-1.05E+08	6791472	-44721	6020	-70369
282	1798060	-1.10E+08	3515438	-6220	2900	-70324
283	1612222	-8.48E+07	5745862	-55949	5024	-70106
284	1910023	-4.72E+07	5362582	-60768	4659	-70827
285	1846369	-3.17E+07	5352371	-75821	4649	-70602
286	1691461	-9.93E+07	5215237	-36708	4519	-70502
287	1789917	-6.50E+07	7230930	-46404	6438	-70653
288	1803243	-6.40E+07	3412826	-86429	2802	-70704
289	1621928	8.43E+07	-7.35E+07	60970	-70573	68803
290	1919250	4.40E+07	-7.42E+07	64839	-71263	69560
291	1699647	9.80E+07	-7.38E+07	40821	-70894	69216
292	1853438	3.05E+07	-7.41E+07	78053	-71178	69372
293	1795777	6.53E+07	-7.24E+07	49403	-69575	69426
294	1812191	6.06E+07	-7.57E+07	87904	-72695	69472
295	1626353	8.54E+07	-7.35E+07	38175	-70571	69689
296	1924154	1.23E+08	-7.38E+07	33356	-70936	68968
297	1860501	1.39E+08	-7.38E+07	18303	-70946	69194
298	1705593	7.09E+07	-7.40E+07	57416	-71076	69294
299	1804049	1.05E+08	-7.20E+07	47720	-69157	69142
300	1817375	1.06E+08	-7.58E+07	7695	-72793	69092
301	1621343	-8.34E+07	-6.92E+07	-74066	-66337	-67687
302	1918665	-1.24E+08	-6.99E+07	-70197	-67027	-66930
303	1699062	-6.97E+07	-6.95E+07	-94214	-66658	-67274
304	1852853	-1.37E+08	-6.98E+07	-56983	-66943	-67118
305	1795191	-1.02E+08	-6.81E+07	-85633	-65340	-67064
306	1811606	-1.07E+08	-7.14E+07	-47132	-68460	-67018
307	1625768	-8.23E+07	-6.92E+07	-96861	-66335	-66801
308	1923569	-4.47E+07	-6.96E+07	-101680	-66700	-67522
309	1859916	-2.91E+07	-6.96E+07	-116733	-66710	-67296

310	1705008	-9.68E+07	-6.97E+07	-77620	-66841	-67196
311	1803463	-6.25E+07	-6.77E+07	-87316	-64921	-67348
312	1816789	-6.15E+07	-7.15E+07	-127341	-68557	-67398
313	1586471	8.58E+07	-7.32E+07	60039	-70321	68805
314	1883794	4.55E+07	-7.39E+07	63908	-71011	69562
315	1664191	9.96E+07	-7.35E+07	39891	-70642	69218
316	1817982	3.20E+07	-7.38E+07	77122	-70926	69373
317	1760320	6.68E+07	-7.21E+07	48473	-69323	69428
318	1776735	6.21E+07	-7.54E+07	86973	-72443	69474
319	1590897	8.69E+07	-7.32E+07	37245	-70319	69691
320	1888698	1.25E+08	-7.36E+07	32426	-70684	68970
321	1825044	1.40E+08	-7.36E+07	17373	-70694	69196
322	1670137	7.24E+07	-7.37E+07	56486	-70824	69295
323	1768592	1.07E+08	-7.17E+07	46790	-68905	69144
324	1781918	1.08E+08	-7.55E+07	6764	-72541	69094
325	1585886	-8.19E+07	-6.89E+07	-74997	-66086	-67685
326	1883209	-1.22E+08	-6.96E+07	-71128	-66776	-66928
327	1663605	-6.81E+07	-6.93E+07	-95145	-66407	-67272
328	1817397	-1.36E+08	-6.96E+07	-57914	-66691	-67117
329	1759735	-1.01E+08	-6.79E+07	-86563	-65088	-67062
330	1776150	-1.06E+08	-7.11E+07	-48063	-68208	-67016
331	1590312	-8.08E+07	-6.89E+07	-97791	-66084	-66799
332	1888113	-4.32E+07	-6.93E+07	-102610	-66449	-67520
333	1824459	-2.76E+07	-6.93E+07	-117663	-66458	-67294
334	1669551	-9.53E+07	-6.94E+07	-78550	-66589	-67195
335	1768007	-6.10E+07	-6.74E+07	-88246	-64669	-67346
336	1781333	-5.99E+07	-7.13E+07	-128271	-68306	-67397
337	1644044	8.46E+07	-7.32E+07	60630	-70300	68813
338	1941366	4.43E+07	-7.39E+07	64500	-70990	69570
339	1721763	9.83E+07	-7.35E+07	40482	-70621	69226
340	1875554	3.07E+07	-7.38E+07	77714	-70905	69381
341	1817892	6.56E+07	-7.21E+07	49064	-69302	69436
342	1834307	6.09E+07	-7.54E+07	87565	-72422	69481
343	1648469	8.57E+07	-7.32E+07	37836	-70298	69699
344	1946270	1.23E+08	-7.36E+07	33017	-70663	68978
345	1882616	1.39E+08	-7.36E+07	17964	-70673	69203
346	1727709	7.12E+07	-7.37E+07	57077	-70803	69303
347	1826164	1.05E+08	-7.17E+07	47381	-68884	69152
348	1839490	1.07E+08	-7.55E+07	7356	-72520	69101
349	1643458	-8.31E+07	-6.89E+07	-74405	-66065	-67677
350	1940781	-1.23E+08	-6.96E+07	-70536	-66755	-66920
351	1721178	-6.94E+07	-6.92E+07	-94553	-66385	-67264
352	1874969	-1.37E+08	-6.95E+07	-57322	-66670	-67109
353	1817307	-1.02E+08	-6.78E+07	-85972	-65067	-67054
354	1833722	-1.07E+08	-7.11E+07	-47471	-68187	-67009
355	1647884	-8.20E+07	-6.89E+07	-97200	-66063	-66791
356	1945685	-4.44E+07	-6.93E+07	-102019	-66428	-67512
357	1882031	-2.89E+07	-6.93E+07	-117072	-66437	-67287
358	1727124	-9.65E+07	-6.94E+07	-77959	-66568	-67187
359	1825579	-6.22E+07	-6.74E+07	-87655	-64648	-67338
360	1838905	-6.12E+07	-7.12E+07	-127680	-68285	-67389
361	1608587	8.61E+07	-7.29E+07	59700	-70048	68815
362	1905909	4.58E+07	-7.36E+07	63569	-70738	69571
363	1686306	9.98E+07	-7.32E+07	39552	-70369	69228
364	1840098	3.22E+07	-7.35E+07	76783	-70653	69383
365	1782436	6.71E+07	-7.19E+07	48134	-69050	69438
366	1798851	6.24E+07	-7.51E+07	86634	-72170	69483
367	1613013	8.72E+07	-7.29E+07	36905	-70046	69701
368	1910813	1.25E+08	-7.33E+07	32087	-70411	68980
369	1847160	1.40E+08	-7.33E+07	17033	-70421	69205
370	1692252	7.27E+07	-7.34E+07	56146	-70552	69305
371	1790708	1.07E+08	-7.14E+07	46451	-68632	69154
372	1804034	1.08E+08	-7.52E+07	6425	-72268	69103
373	1608002	-8.16E+07	-6.86E+07	-75336	-65813	-67675
374	1905324	-1.22E+08	-6.94E+07	-71467	-66503	-66919
375	1685721	-6.79E+07	-6.90E+07	-95484	-66134	-67262
376	1839512	-1.35E+08	-6.93E+07	-58253	-66418	-67107
377	1781851	-1.01E+08	-6.76E+07	-86902	-64815	-67052

378	1798265	-1.05E+08	-7.09E+07	-48402	-67935	-67007
379	1612428	-8.05E+07	-6.86E+07	-98130	-65811	-66789
380	1910228	-4.29E+07	-6.90E+07	-102949	-66176	-67511
381	1846575	-2.74E+07	-6.90E+07	-118002	-66185	-67285
382	1691667	-9.50E+07	-6.92E+07	-78889	-66316	-67185
383	1790123	-6.07E+07	-6.71E+07	-88585	-64396	-67336
384	1803449	-5.97E+07	-7.10E+07	-128610	-68033	-67387
385	1621902	9.97E+07	-3.66E+07	-101800	-35438	80435
386	1919225	5.94E+07	-3.73E+07	-97931	-36128	81192
387	1699622	1.13E+08	-3.69E+07	-121948	-35759	80848
388	1853413	4.58E+07	-3.72E+07	-84716	-36043	81003
389	1795751	8.06E+07	-3.55E+07	-113366	-34440	81058
390	1812166	7.60E+07	-3.88E+07	-74866	-37560	81103
391	1626328	1.01E+08	-3.66E+07	-124594	-35436	81321
392	1924129	1.38E+08	-3.69E+07	-129413	-35801	80600
393	1860475	1.54E+08	-3.70E+07	-144466	-35811	80825
394	1705567	8.63E+07	-3.71E+07	-105353	-35941	80925
395	1804023	1.21E+08	-3.51E+07	-115049	-34021	80774
396	1817349	1.22E+08	-3.89E+07	-155074	-37658	80723
397	1621317	-6.80E+07	-3.23E+07	-236835	-31202	-56055
398	1918639	-1.08E+08	-3.30E+07	-232966	-31892	-55299
399	1699036	-5.43E+07	-3.26E+07	-256984	-31523	-55642
400	1852828	-1.22E+08	-3.29E+07	-219752	-31808	-55487
401	1795166	-8.71E+07	-3.12E+07	-248402	-30205	-55432
402	1811581	-9.17E+07	-3.45E+07	-209901	-33325	-55387
403	1625743	-6.69E+07	-3.23E+07	-259630	-31200	-55169
404	1923544	-2.93E+07	-3.27E+07	-264449	-31565	-55890
405	1859890	-1.38E+07	-3.27E+07	-279502	-31575	-55665
406	1704982	-8.14E+07	-3.28E+07	-240389	-31706	-55565
407	1803438	-4.71E+07	-3.08E+07	-250085	-29786	-55716
408	1816764	-4.61E+07	-3.46E+07	-290110	-33422	-55767
409	1586446	1.01E+08	-3.63E+07	-102730	-35186	80437
410	1883768	6.09E+07	-3.70E+07	-98861	-35876	81193
411	1664165	1.15E+08	-3.66E+07	-122878	-35507	80850
412	1817956	4.73E+07	-3.69E+07	-85647	-35791	81005
413	1760295	8.22E+07	-3.53E+07	-114297	-34188	81059
414	1776709	7.75E+07	-3.85E+07	-75796	-37308	81105
415	1590871	1.02E+08	-3.63E+07	-125525	-35184	81323
416	1888672	1.40E+08	-3.67E+07	-130344	-35549	80601
417	1825019	1.55E+08	-3.67E+07	-145397	-35559	80827
418	1670111	8.78E+07	-3.68E+07	-106284	-35689	80927
419	1768567	1.22E+08	-3.48E+07	-115980	-33770	80776
420	1781893	1.23E+08	-3.86E+07	-156005	-37406	80725
421	1585861	-6.65E+07	-3.20E+07	-237766	-30950	-56053
422	1883183	-1.07E+08	-3.28E+07	-233897	-31641	-55297
423	1663580	-5.28E+07	-3.24E+07	-257914	-31271	-55640
424	1817371	-1.20E+08	-3.27E+07	-220683	-31556	-55485
425	1759710	-8.55E+07	-3.10E+07	-249332	-29953	-55431
426	1776124	-9.02E+07	-3.43E+07	-210832	-33073	-55385
427	1590286	-6.54E+07	-3.20E+07	-260560	-30948	-55167
428	1888087	-2.78E+07	-3.24E+07	-265379	-31314	-55889
429	1824434	-1.23E+07	-3.24E+07	-280432	-31323	-55663
430	1669526	-7.99E+07	-3.26E+07	-241319	-31454	-55563
431	1767982	-4.56E+07	-3.05E+07	-251015	-29534	-55714
432	1781307	-4.46E+07	-3.44E+07	-291041	-33170	-55765
433	1644018	9.99E+07	-3.63E+07	-102139	-35165	80444
434	1941340	5.96E+07	-3.70E+07	-98270	-35855	81201
435	1721737	1.14E+08	-3.66E+07	-122287	-35486	80857
436	1875528	4.61E+07	-3.69E+07	-85055	-35770	81012
437	1817867	8.09E+07	-3.52E+07	-113705	-34167	81067
438	1834281	7.62E+07	-3.85E+07	-75205	-37287	81113
439	1648444	1.01E+08	-3.63E+07	-124933	-35163	81330
440	1946244	1.39E+08	-3.67E+07	-129752	-35528	80609
441	1882591	1.54E+08	-3.67E+07	-144805	-35538	80835
442	1727683	8.65E+07	-3.68E+07	-105692	-35668	80934
443	1826139	1.21E+08	-3.48E+07	-115388	-33749	80783
444	1839465	1.22E+08	-3.86E+07	-155413	-37385	80733
445	1643433	-6.78E+07	-3.20E+07	-237175	-30929	-56046

446	1940755	-1.08E+08	-3.27E+07	-233305	-31619	-55289
447	1721152	-5.40E+07	-3.23E+07	-257323	-31250	-55633
448	1874943	-1.22E+08	-3.26E+07	-220091	-31535	-55478
449	1817282	-8.68E+07	-3.10E+07	-248741	-29932	-55423
450	1833696	-9.15E+07	-3.42E+07	-210240	-33052	-55377
451	1647858	-6.67E+07	-3.20E+07	-259969	-30927	-55160
452	1945659	-2.91E+07	-3.24E+07	-264788	-31292	-55881
453	1882006	-1.35E+07	-3.24E+07	-279841	-31302	-55655
454	1727098	-8.12E+07	-3.25E+07	-240728	-31433	-55556
455	1825554	-4.69E+07	-3.05E+07	-250424	-29513	-55707
456	1838880	-4.58E+07	-3.43E+07	-290449	-33149	-55757
457	1608562	1.01E+08	-3.60E+07	-103069	-34913	80446
458	1905884	6.11E+07	-3.67E+07	-99200	-35603	81203
459	1686281	1.15E+08	-3.64E+07	-123217	-35234	80859
460	1840072	4.76E+07	-3.66E+07	-85986	-35518	81014
461	1782410	8.24E+07	-3.50E+07	-114636	-33915	81069
462	1798825	7.77E+07	-3.82E+07	-76135	-37035	81115
463	1612987	1.03E+08	-3.60E+07	-125864	-34911	81332
464	1910788	1.40E+08	-3.64E+07	-130683	-35276	80611
465	1847134	1.56E+08	-3.64E+07	-145736	-35286	80837
466	1692227	8.80E+07	-3.65E+07	-106623	-35416	80936
467	1790682	1.22E+08	-3.45E+07	-116319	-33497	80785
468	1804008	1.23E+08	-3.83E+07	-156344	-37133	80734
469	1607976	-6.63E+07	-3.17E+07	-238105	-30678	-56044
470	1905299	-1.07E+08	-3.25E+07	-234236	-31368	-55287
471	1685696	-5.25E+07	-3.21E+07	-258253	-30999	-55631
472	1839487	-1.20E+08	-3.24E+07	-221022	-31283	-55476
473	1781825	-8.53E+07	-3.07E+07	-249671	-29680	-55421
474	1798240	-9.00E+07	-3.40E+07	-211171	-32800	-55375
475	1612402	-6.52E+07	-3.17E+07	-260899	-30676	-55158
476	1910203	-2.75E+07	-3.21E+07	-265718	-31041	-55879
477	1846549	-1.20E+07	-3.21E+07	-280771	-31050	-55653
478	1691642	-7.97E+07	-3.23E+07	-241659	-31181	-55554
479	1790097	-4.54E+07	-3.03E+07	-251354	-29261	-55705
480	1803423	-4.43E+07	-3.41E+07	-291380	-32898	-55756
481	1621815	8.42E+07	-3.61E+07	-42407	-34975	68822
482	1919137	4.39E+07	-3.68E+07	-38538	-35665	69578
483	1699534	9.79E+07	-3.64E+07	-62555	-35296	69235
484	1853325	3.03E+07	-3.67E+07	-25324	-35580	69390
485	1795663	6.52E+07	-3.50E+07	-53973	-33977	69445
486	1812078	6.05E+07	-3.83E+07	-15473	-37097	69490
487	1626240	8.53E+07	-3.61E+07	-65201	-34973	69708
488	1924041	1.23E+08	-3.65E+07	-70020	-35338	68987
489	1860388	1.38E+08	-3.65E+07	-85073	-35348	69212
490	1705480	7.08E+07	-3.66E+07	-45960	-35479	69312
491	1803935	1.05E+08	-3.46E+07	-55656	-33559	69161
492	1817261	1.06E+08	-3.84E+07	-95682	-37195	69110
493	1621230	-8.35E+07	-3.18E+07	-177443	-30740	-67668
494	1918552	-1.24E+08	-3.25E+07	-173574	-31430	-66912
495	1698949	-6.98E+07	-3.21E+07	-197591	-31061	-67255
496	1852740	-1.37E+08	-3.24E+07	-160359	-31345	-67100
497	1795078	-1.03E+08	-3.08E+07	-189009	-29742	-67045
498	1811493	-1.07E+08	-3.40E+07	-150509	-32862	-67000
499	1625655	-8.24E+07	-3.18E+07	-200237	-30738	-66782
500	1923456	-4.48E+07	-3.22E+07	-205056	-31103	-67503
501	1859802	-2.93E+07	-3.22E+07	-220109	-31112	-67278
502	1704895	-9.69E+07	-3.23E+07	-180996	-31243	-67178
503	1803350	-6.26E+07	-3.03E+07	-190692	-29323	-67329
504	1816676	-6.16E+07	-3.41E+07	-230717	-32960	-67380
505	1586358	8.57E+07	-3.58E+07	-43338	-34723	68824
506	1883681	4.54E+07	-3.65E+07	-39469	-35413	69580
507	1664077	9.94E+07	-3.62E+07	-63486	-35044	69237
508	1817869	3.19E+07	-3.64E+07	-26254	-35329	69392
509	1760207	6.67E+07	-3.48E+07	-54904	-33726	69446
510	1776622	6.20E+07	-3.80E+07	-16404	-36846	69492
511	1590784	8.68E+07	-3.58E+07	-66132	-34721	69710
512	1888585	1.24E+08	-3.62E+07	-70951	-35086	68988
513	1824931	1.40E+08	-3.62E+07	-86004	-35096	69214

514	1670023	7.23E+07	-3.63E+07	-46891	-35227	69314
515	1768479	1.07E+08	-3.43E+07	-56587	-33307	69163
516	1781805	1.08E+08	-3.81E+07	-96612	-36943	69112
517	1585773	-8.20E+07	-3.15E+07	-178373	-30488	-67667
518	1883095	-1.22E+08	-3.23E+07	-174504	-31178	-66910
519	1663492	-6.83E+07	-3.19E+07	-198522	-30809	-67253
520	1817284	-1.36E+08	-3.22E+07	-161290	-31093	-67098
521	1759622	-1.01E+08	-3.05E+07	-189940	-29490	-67044
522	1776037	-1.06E+08	-3.38E+07	-151439	-32610	-66998
523	1590199	-8.09E+07	-3.15E+07	-201168	-30486	-66780
524	1888000	-4.33E+07	-3.19E+07	-205987	-30851	-67502
525	1824346	-2.78E+07	-3.19E+07	-221040	-30861	-67276
526	1669438	-9.54E+07	-3.21E+07	-181927	-30991	-67176
527	1767894	-6.11E+07	-3.01E+07	-191623	-29072	-67327
528	1781220	-6.01E+07	-3.39E+07	-231648	-32708	-67378
529	1643930	8.45E+07	-3.58E+07	-42746	-34702	68831
530	1941253	4.41E+07	-3.65E+07	-38877	-35392	69588
531	1721650	9.82E+07	-3.61E+07	-62894	-35023	69244
532	1875441	3.06E+07	-3.64E+07	-25663	-35307	69399
533	1817779	6.54E+07	-3.47E+07	-54312	-33704	69454
534	1834194	6.07E+07	-3.80E+07	-15812	-36825	69500
535	1648356	8.56E+07	-3.58E+07	-65540	-34700	69717
536	1946157	1.23E+08	-3.62E+07	-70359	-35065	68996
537	1882503	1.39E+08	-3.62E+07	-85412	-35075	69222
538	1727596	7.11E+07	-3.63E+07	-46299	-35206	69321
539	1826051	1.05E+08	-3.43E+07	-55995	-33286	69170
540	1839377	1.06E+08	-3.81E+07	-96021	-36922	69120
541	1643345	-8.33E+07	-3.15E+07	-177782	-30467	-67659
542	1940668	-1.24E+08	-3.22E+07	-173913	-31157	-66902
543	1721064	-6.95E+07	-3.19E+07	-197930	-30788	-67246
544	1874856	-1.37E+08	-3.22E+07	-160699	-31072	-67091
545	1817194	-1.02E+08	-3.05E+07	-189348	-29469	-67036
546	1833609	-1.07E+08	-3.37E+07	-150848	-32589	-66990
547	1647771	-8.21E+07	-3.15E+07	-200576	-30465	-66773
548	1945572	-4.45E+07	-3.19E+07	-205395	-30830	-67494
549	1881918	-2.90E+07	-3.19E+07	-220448	-30840	-67268
550	1727010	-9.66E+07	-3.20E+07	-181335	-30970	-67169
551	1825466	-6.23E+07	-3.00E+07	-191031	-29051	-67320
552	1838792	-6.13E+07	-3.39E+07	-231056	-32687	-67371
553	1608474	8.60E+07	-3.55E+07	-43677	-34450	68833
554	1905796	4.56E+07	-3.63E+07	-39808	-35141	69590
555	1686193	9.97E+07	-3.59E+07	-63825	-34771	69246
556	1839984	3.21E+07	-3.62E+07	-26593	-35056	69401
557	1782323	6.69E+07	-3.45E+07	-55243	-33453	69456
558	1798737	6.22E+07	-3.78E+07	-16743	-36573	69502
559	1612900	8.71E+07	-3.55E+07	-66471	-34448	69719
560	1910700	1.25E+08	-3.59E+07	-71290	-34814	68998
561	1847047	1.40E+08	-3.59E+07	-86343	-34823	69224
562	1692139	7.26E+07	-3.61E+07	-47230	-34954	69323
563	1790595	1.07E+08	-3.40E+07	-56926	-33034	69172
564	1803921	1.08E+08	-3.79E+07	-96951	-36670	69121
565	1607889	-8.17E+07	-3.13E+07	-178712	-30215	-67657
566	1905211	-1.22E+08	-3.20E+07	-174843	-30905	-66900
567	1685608	-6.80E+07	-3.16E+07	-198861	-30536	-67244
568	1839399	-1.36E+08	-3.19E+07	-161629	-30820	-67089
569	1781738	-1.01E+08	-3.02E+07	-190279	-29217	-67034
570	1798152	-1.05E+08	-3.35E+07	-151778	-32337	-66988
571	1612314	-8.06E+07	-3.13E+07	-201507	-30213	-66771
572	1910115	-4.30E+07	-3.16E+07	-206326	-30578	-67492
573	1846462	-2.75E+07	-3.16E+07	-221379	-30588	-67266
574	1691554	-9.51E+07	-3.18E+07	-182266	-30718	-67167
575	1790010	-6.08E+07	-2.98E+07	-191962	-28799	-67318
576	1803336	-5.98E+07	-3.36E+07	-231987	-32435	-67369
577	1621965	1.38E+08	-3.79E+07	127474	-36738	112638
578	1919288	9.74E+07	-3.86E+07	131343	-37428	113395
579	1699684	1.51E+08	-3.82E+07	107326	-37059	113051
580	1853476	8.39E+07	-3.85E+07	144557	-37344	113206
581	1795814	1.19E+08	-3.68E+07	115908	-35741	113261

582	1812229	1.14E+08	-4.01E+07	154408	-38861	113306
583	1626391	1.39E+08	-3.79E+07	104680	-36736	113524
584	1924192	1.76E+08	-3.83E+07	99861	-37101	112803
585	1860538	1.92E+08	-3.83E+07	84808	-37111	113028
586	1705630	1.24E+08	-3.84E+07	123921	-37242	113128
587	1804086	1.59E+08	-3.64E+07	114225	-35322	112977
588	1817412	1.60E+08	-4.02E+07	74200	-38958	112926
589	1620990	-1.42E+08	-3.08E+07	-97586	-29679	-114846
590	1918312	-1.82E+08	-3.15E+07	-93716	-30369	-114089
591	1698709	-1.28E+08	-3.11E+07	-117734	-30000	-114432
592	1852501	-1.96E+08	-3.14E+07	-80502	-30285	-114277
593	1794839	-1.61E+08	-2.97E+07	-109152	-28682	-114223
594	1811254	-1.66E+08	-3.30E+07	-70652	-31802	-114177
595	1625416	-1.41E+08	-3.07E+07	-120380	-29677	-113959
596	1923216	-1.03E+08	-3.11E+07	-125199	-30042	-114681
597	1859563	-8.76E+07	-3.11E+07	-140252	-30052	-114455
598	1704655	-1.55E+08	-3.13E+07	-101139	-30183	-114355
599	1803111	-1.21E+08	-2.93E+07	-110835	-28263	-114506
600	1816437	-1.20E+08	-3.31E+07	-150860	-31899	-114557
601	1586509	1.39E+08	-3.76E+07	126544	-36487	112640
602	1883831	9.89E+07	-3.83E+07	130413	-37177	113396
603	1664228	1.53E+08	-3.79E+07	106395	-36808	113053
604	1818019	8.54E+07	-3.82E+07	143627	-37092	113208
605	1760358	1.20E+08	-3.66E+07	114977	-35489	113263
606	1776772	1.16E+08	-3.98E+07	153478	-38609	113308
607	1590934	1.40E+08	-3.76E+07	103749	-36485	113526
608	1888735	1.78E+08	-3.80E+07	98930	-36850	112805
609	1825082	1.93E+08	-3.80E+07	83877	-36859	113030
610	1670174	1.26E+08	-3.81E+07	122990	-36990	113130
611	1768630	1.60E+08	-3.61E+07	113294	-35070	112979
612	1781956	1.61E+08	-3.99E+07	73269	-38707	112928
613	1585534	-1.40E+08	-3.05E+07	-98516	-29428	-114844
614	1882856	-1.81E+08	-3.12E+07	-94647	-30118	-114087
615	1663253	-1.27E+08	-3.08E+07	-118664	-29748	-114431
616	1817044	-1.94E+08	-3.11E+07	-81433	-30033	-114275
617	1759382	-1.59E+08	-2.94E+07	-110083	-28430	-114221
618	1775797	-1.64E+08	-3.27E+07	-71582	-31550	-114175
619	1589959	-1.39E+08	-3.05E+07	-121311	-29425	-113957
620	1887760	-1.02E+08	-3.09E+07	-126129	-29791	-114679
621	1824106	-8.60E+07	-3.09E+07	-141183	-29800	-114453
622	1669199	-1.54E+08	-3.10E+07	-102070	-29931	-114353
623	1767654	-1.19E+08	-2.90E+07	-111765	-28011	-114505
624	1780980	-1.18E+08	-3.28E+07	-151791	-31647	-114555
625	1644081	1.38E+08	-3.76E+07	127135	-36466	112647
626	1941403	9.77E+07	-3.83E+07	131004	-37156	113404
627	1721800	1.52E+08	-3.79E+07	106987	-36786	113060
628	1875591	8.41E+07	-3.82E+07	144218	-37071	113215
629	1817930	1.19E+08	-3.65E+07	115569	-35468	113270
630	1834344	1.14E+08	-3.98E+07	154069	-38588	113316
631	1648507	1.39E+08	-3.76E+07	104341	-36464	113533
632	1946307	1.77E+08	-3.80E+07	99522	-36829	112812
633	1882654	1.92E+08	-3.80E+07	84469	-36838	113038
634	1727746	1.25E+08	-3.81E+07	123582	-36969	113138
635	1826202	1.59E+08	-3.61E+07	113886	-35049	112986
636	1839528	1.60E+08	-3.99E+07	73861	-38686	112936
637	1643106	-1.42E+08	-3.05E+07	-97925	-29406	-114836
638	1940428	-1.82E+08	-3.12E+07	-94056	-30097	-114079
639	1720825	-1.28E+08	-3.08E+07	-118073	-29727	-114423
640	1874616	-1.95E+08	-3.11E+07	-80841	-30012	-114268
641	1816955	-1.61E+08	-2.94E+07	-109491	-28409	-114213
642	1833369	-1.65E+08	-3.27E+07	-70991	-31529	-114168
643	1647531	-1.40E+08	-3.05E+07	-120719	-29404	-113950
644	1945332	-1.03E+08	-3.08E+07	-125538	-29770	-114671
645	1881679	-8.73E+07	-3.09E+07	-140591	-29779	-114445
646	1726771	-1.55E+08	-3.10E+07	-101478	-29910	-114346
647	1825227	-1.21E+08	-2.90E+07	-111174	-27990	-114497
648	1838552	-1.20E+08	-3.28E+07	-151199	-31626	-114548
649	1608625	1.39E+08	-3.73E+07	126205	-36214	112649

650	1905947	9.92E+07	-3.80E+07	130074	-36904	113406
651	1686344	1.53E+08	-3.77E+07	106056	-36535	113062
652	1840135	8.56E+07	-3.80E+07	143288	-36819	113217
653	1782473	1.20E+08	-3.63E+07	114638	-35216	113272
654	1798888	1.16E+08	-3.95E+07	153139	-38336	113318
655	1613050	1.41E+08	-3.73E+07	103410	-36212	113535
656	1910851	1.78E+08	-3.77E+07	98591	-36577	112814
657	1847197	1.94E+08	-3.77E+07	83538	-36586	113040
658	1692290	1.26E+08	-3.78E+07	122651	-36717	113139
659	1790745	1.60E+08	-3.58E+07	112955	-34797	112988
660	1804071	1.61E+08	-3.97E+07	72930	-38434	112937
661	1607649	-1.40E+08	-3.02E+07	-98855	-29155	-114834
662	1904972	-1.80E+08	-3.09E+07	-94986	-29845	-114077
663	1685369	-1.26E+08	-3.05E+07	-119003	-29476	-114421
664	1839160	-1.94E+08	-3.08E+07	-81772	-29760	-114266
665	1781498	-1.59E+08	-2.92E+07	-110422	-28157	-114211
666	1797913	-1.64E+08	-3.24E+07	-71921	-31277	-114166
667	1612075	-1.39E+08	-3.02E+07	-121650	-29153	-113948
668	1909876	-1.01E+08	-3.06E+07	-126468	-29518	-114669
669	1846222	-8.58E+07	-3.06E+07	-141522	-29527	-114444
670	1691314	-1.53E+08	-3.07E+07	-102409	-29658	-114344
671	1789770	-1.19E+08	-2.87E+07	-112104	-27738	-114495
672	1803096	-1.18E+08	-3.25E+07	-152130	-31375	-114546
673	1614371	8.16E+07	-5.95E+07	83560	-57683	66719
674	1911694	4.13E+07	-6.03E+07	87429	-58373	67476
675	1692091	9.54E+07	-5.99E+07	63412	-58004	67132
676	1845882	2.78E+07	-6.02E+07	100644	-58288	67287
677	1788220	6.26E+07	-5.85E+07	71994	-56685	67342
678	1804635	5.79E+07	-6.18E+07	110494	-59805	67387
679	1618797	8.27E+07	-5.95E+07	60766	-57681	67605
680	1916598	1.20E+08	-5.99E+07	55947	-58046	66884
681	1852944	1.36E+08	-5.99E+07	40894	-58056	67109
682	1698037	6.82E+07	-6.01E+07	80007	-58186	67209
683	1796492	1.03E+08	-5.81E+07	70311	-56267	67058
684	1809818	1.04E+08	-6.19E+07	30286	-59903	67007
685	1613786	-8.61E+07	-5.53E+07	-51476	-53448	-69771
686	1911108	-1.26E+08	-5.60E+07	-47606	-54138	-69015
687	1691505	-7.23E+07	-5.56E+07	-71624	-53769	-69358
688	1845297	-1.40E+08	-5.59E+07	-34392	-54053	-69203
689	1787635	-1.05E+08	-5.42E+07	-63042	-52450	-69148
690	1804050	-1.10E+08	-5.75E+07	-24542	-55570	-69103
691	1618212	-8.50E+07	-5.53E+07	-74270	-53446	-68885
692	1916013	-4.74E+07	-5.57E+07	-79089	-53811	-69606
693	1852359	-3.18E+07	-5.57E+07	-94142	-53820	-69381
694	1697451	-9.95E+07	-5.58E+07	-55029	-53951	-69281
695	1795907	-6.52E+07	-5.38E+07	-64725	-52031	-69432
696	1809233	-6.41E+07	-5.76E+07	-104750	-55668	-69483
697	1578915	8.31E+07	-5.93E+07	82630	-57431	66721
698	1876237	4.28E+07	-6.00E+07	86499	-58121	67477
699	1656634	9.69E+07	-5.96E+07	62482	-57752	67134
700	1810425	2.93E+07	-5.99E+07	99713	-58036	67289
701	1752764	6.41E+07	-5.82E+07	71063	-56433	67343
702	1769178	5.94E+07	-6.15E+07	109564	-59553	67389
703	1583340	8.43E+07	-5.93E+07	59835	-57429	67607
704	1881141	1.22E+08	-5.97E+07	55016	-57794	66885
705	1817488	1.37E+08	-5.97E+07	39963	-57804	67111
706	1662580	6.98E+07	-5.98E+07	79076	-57935	67211
707	1761036	1.04E+08	-5.78E+07	69380	-56015	67060
708	1774362	1.05E+08	-6.16E+07	29355	-59651	67009
709	1578330	-8.46E+07	-5.50E+07	-52406	-53196	-69769
710	1875652	-1.25E+08	-5.57E+07	-48537	-53886	-69013
711	1656049	-7.08E+07	-5.53E+07	-72554	-53517	-69356
712	1809840	-1.38E+08	-5.56E+07	-35323	-53801	-69201
713	1752179	-1.04E+08	-5.40E+07	-63973	-52198	-69147
714	1768593	-1.08E+08	-5.72E+07	-25472	-55318	-69101
715	1582755	-8.34E+07	-5.50E+07	-75201	-53194	-68883
716	1880556	-4.58E+07	-5.54E+07	-80019	-53559	-69605
717	1816903	-3.03E+07	-5.54E+07	-95073	-53569	-69379

718	1661995	-9.80E+07	-5.55E+07	-55960	-53699	-69279
719	1760451	-6.37E+07	-5.35E+07	-65655	-51779	-69430
720	1773776	-6.26E+07	-5.73E+07	-105681	-55416	-69481
721	1651231	8.21E+07	-5.91E+07	82995	-57228	66734
722	1948553	4.18E+07	-5.98E+07	86864	-57918	67491
723	1728950	9.58E+07	-5.94E+07	62847	-57549	67148
724	1882741	2.82E+07	-5.97E+07	100079	-57833	67303
725	1825080	6.30E+07	-5.80E+07	71429	-56230	67357
726	1841494	5.84E+07	-6.13E+07	109929	-59350	67403
727	1655656	8.32E+07	-5.91E+07	60201	-57226	67621
728	1953457	1.21E+08	-5.95E+07	55382	-57591	66899
729	1889804	1.36E+08	-5.95E+07	40329	-57601	67125
730	1734896	6.87E+07	-5.96E+07	79442	-57732	67225
731	1833352	1.03E+08	-5.76E+07	69746	-55812	67074
732	1846678	1.04E+08	-6.14E+07	29721	-59448	67023
733	1650646	-8.56E+07	-5.48E+07	-52041	-52993	-69756
734	1947968	-1.26E+08	-5.55E+07	-48172	-53683	-68999
735	1728365	-7.19E+07	-5.51E+07	-72189	-53314	-69342
736	1882156	-1.39E+08	-5.54E+07	-34957	-53598	-69187
737	1824494	-1.05E+08	-5.38E+07	-63607	-51995	-69133
738	1840909	-1.09E+08	-5.70E+07	-25107	-55115	-69087
739	1655071	-8.45E+07	-5.48E+07	-74835	-52991	-68869
740	1952872	-4.69E+07	-5.52E+07	-79654	-53356	-69591
741	1889218	-3.14E+07	-5.52E+07	-94707	-53366	-69365
742	1734311	-9.90E+07	-5.53E+07	-55594	-53496	-69265
743	1832766	-6.47E+07	-5.33E+07	-65290	-51576	-69416
744	1846092	-6.37E+07	-5.71E+07	-105315	-55213	-69467
745	1615774	8.36E+07	-5.88E+07	82065	-56976	66736
746	1913097	4.33E+07	-5.95E+07	85934	-57666	67493
747	1693494	9.73E+07	-5.91E+07	61916	-57297	67149
748	1847285	2.97E+07	-5.94E+07	99148	-57582	67305
749	1789623	6.46E+07	-5.78E+07	70498	-55979	67359
750	1806038	5.99E+07	-6.10E+07	108999	-59099	67405
751	1620200	8.47E+07	-5.88E+07	59270	-56974	67623
752	1918001	1.22E+08	-5.92E+07	54451	-57339	66901
753	1854347	1.38E+08	-5.92E+07	39398	-57349	67127
754	1699440	7.02E+07	-5.93E+07	78511	-57480	67227
755	1797895	1.04E+08	-5.73E+07	68815	-55560	67075
756	1811221	1.06E+08	-6.11E+07	28790	-59196	67025
757	1615189	-8.41E+07	-5.45E+07	-52971	-52741	-69754
758	1912512	-1.24E+08	-5.53E+07	-49102	-53431	-68997
759	1692908	-7.04E+07	-5.49E+07	-73119	-53062	-69341
760	1846700	-1.38E+08	-5.52E+07	-35888	-53346	-69185
761	1789038	-1.03E+08	-5.35E+07	-64538	-51743	-69131
762	1805453	-1.08E+08	-5.68E+07	-26037	-54863	-69085
763	1619615	-8.30E+07	-5.45E+07	-75766	-52739	-68867
764	1917416	-4.54E+07	-5.49E+07	-80585	-53104	-69589
765	1853762	-2.99E+07	-5.49E+07	-95638	-53114	-69363
766	1698854	-9.75E+07	-5.51E+07	-56525	-53244	-69263
767	1797310	-6.32E+07	-5.30E+07	-66220	-51325	-69415
768	1810636	-6.22E+07	-5.69E+07	-106246	-54961	-69465
769	1598050	8.33E+07	3.37E+07	87621	32505	68006
770	2179377	6993532	3.22E+07	103761	31137	69466
771	1754790	1.12E+08	3.31E+07	45482	31947	68809
772	2038513	-2.18E+07	3.25E+07	136656	31380	68962
773	1910692	4.85E+07	3.57E+07	70017	34422	69007
774	1955789	3.86E+07	2.96E+07	136697	28640	69178
775	1605975	8.54E+07	3.37E+07	47419	32513	69651
776	2191020	1.58E+08	3.28E+07	27380	31709	68302
777	2055901	1.89E+08	3.31E+07	-7148	31930	68836
778	1761874	5.50E+07	3.27E+07	87531	31606	68890
779	1927280	1.22E+08	3.64E+07	61267	35156	68791
780	1964268	1.25E+08	2.94E+07	-7956	28477	68598
781	1597465	-8.44E+07	3.79E+07	-47415	36740	-68484
782	2178792	-1.61E+08	3.65E+07	-31274	35372	-67024
783	1754205	-5.54E+07	3.73E+07	-89554	36183	-67681
784	2037927	-1.89E+08	3.68E+07	1620	35615	-67528
785	1910106	-1.19E+08	3.99E+07	-65019	38658	-67483

786	1955204	-1.29E+08	3.39E+07	1661	32875	-67312
787	1605390	-8.23E+07	3.79E+07	-87617	36749	-66839
788	2190435	-1.02E+07	3.71E+07	-107656	35945	-68188
789	2055316	2.16E+07	3.73E+07	-142184	36165	-67654
790	1761289	-1.13E+08	3.70E+07	-47505	35842	-67600
791	1926695	-4.53E+07	4.07E+07	-73769	39391	-67699
792	1963683	-4.31E+07	3.37E+07	-142992	32713	-67892
793	1562594	8.48E+07	3.39E+07	86691	32757	68008
794	2143920	8504836	3.25E+07	102831	31388	69468
795	1719333	1.14E+08	3.33E+07	44552	32199	68811
796	2003056	-2.02E+07	3.27E+07	135725	31631	68964
797	1875235	5.00E+07	3.59E+07	69087	34674	69008
798	1920332	4.01E+07	2.99E+07	135766	28892	69180
799	1570518	8.69E+07	3.39E+07	46488	32765	69653
800	2155563	1.59E+08	3.31E+07	26449	31961	68304
801	2020445	1.91E+08	3.33E+07	-8079	32182	68838
802	1726418	5.65E+07	3.30E+07	86600	31858	68892
803	1891824	1.24E+08	3.67E+07	60336	35408	68793
804	1928812	1.26E+08	2.97E+07	-8887	28729	68600
805	1562009	-8.29E+07	3.82E+07	-48345	36992	-68482
806	2143335	-1.59E+08	3.68E+07	-32205	35624	-67022
807	1718748	-5.39E+07	3.76E+07	-90484	36434	-67679
808	2002471	-1.88E+08	3.70E+07	689	35867	-67526
809	1874650	-1.18E+08	4.02E+07	-65949	38910	-67482
810	1919747	-1.28E+08	3.41E+07	731	33127	-67310
811	1569933	-8.08E+07	3.82E+07	-88548	37001	-66837
812	2154978	-8641609	3.74E+07	-108587	36197	-68186
813	2019860	2.31E+07	3.76E+07	-143115	36417	-67652
814	1725832	-1.11E+08	3.73E+07	-48435	36094	-67598
815	1891239	-4.38E+07	4.10E+07	-74700	39643	-67697
816	1928227	-4.16E+07	3.40E+07	-143923	32964	-67890
817	1620166	8.36E+07	3.39E+07	87282	32778	68015
818	2201492	7254622	3.25E+07	103422	31409	69475
819	1776906	1.13E+08	3.34E+07	45143	32220	68818
820	2060628	-2.15E+07	3.28E+07	136317	31652	68971
821	1932807	4.87E+07	3.60E+07	69678	34695	69016
822	1977905	3.89E+07	2.99E+07	136358	28913	69187
823	1628090	8.57E+07	3.40E+07	47080	32786	69661
824	2213136	1.58E+08	3.31E+07	27041	31982	68312
825	2078017	1.90E+08	3.33E+07	-7487	32203	68846
826	1783990	5.53E+07	3.30E+07	87192	31879	68900
827	1949396	1.23E+08	3.67E+07	60928	35429	68800
828	1986384	1.25E+08	2.97E+07	-8295	28750	68607
829	1619581	-8.41E+07	3.82E+07	-47754	37013	-68475
830	2200907	-1.60E+08	3.68E+07	-31613	35645	-67015
831	1776320	-5.51E+07	3.76E+07	-89893	36456	-67672
832	2060043	-1.89E+08	3.70E+07	1281	35888	-67519
833	1932222	-1.19E+08	4.02E+07	-65358	38931	-67474
834	1977319	-1.29E+08	3.42E+07	1322	33148	-67303
835	1627505	-8.20E+07	3.82E+07	-87956	37022	-66829
836	2212550	-9891824	3.74E+07	-107995	36218	-68178
837	2077432	2.18E+07	3.76E+07	-142523	36438	-67644
838	1783405	-1.12E+08	3.73E+07	-47844	36115	-67590
839	1948811	-4.51E+07	4.10E+07	-74108	39664	-67690
840	1985799	-4.29E+07	3.40E+07	-143331	32985	-67883
841	1584710	8.51E+07	3.42E+07	86352	33030	68017
842	2166036	8765926	3.28E+07	102492	31661	69477
843	1741449	1.14E+08	3.36E+07	44213	32472	68820
844	2025172	-2.00E+07	3.30E+07	135386	31904	68973
845	1897351	5.02E+07	3.62E+07	68748	34947	69018
846	1942448	4.04E+07	3.02E+07	135427	29165	69189
847	1592634	8.72E+07	3.42E+07	46149	33038	69663
848	2177679	1.59E+08	3.34E+07	26110	32234	68313
849	2042560	1.91E+08	3.36E+07	-8418	32455	68848
850	1748533	5.68E+07	3.33E+07	86261	32131	68902
851	1913940	1.24E+08	3.70E+07	59997	35680	68802
852	1950927	1.26E+08	3.00E+07	-9226	29002	68609
853	1584124	-8.26E+07	3.85E+07	-48684	37265	-68473

854	2165451	-1.59E+08	3.70E+07	-32544	35897	-67013
855	1740864	-5.36E+07	3.79E+07	-90823	36707	-67670
856	2024587	-1.88E+08	3.73E+07	350	36140	-67517
857	1896766	-1.17E+08	4.05E+07	-66288	39183	-67472
858	1941863	-1.27E+08	3.44E+07	392	33400	-67301
859	1592049	-8.05E+07	3.85E+07	-88887	37274	-66827
860	2177094	-8380520	3.76E+07	-108926	36470	-68177
861	2041975	2.34E+07	3.79E+07	-143454	36690	-67642
862	1747948	-1.11E+08	3.75E+07	-48775	36366	-67588
863	1913355	-4.35E+07	4.13E+07	-75039	39916	-67688
864	1950342	-4.13E+07	3.43E+07	-144262	33237	-67881
865	1183595	8.33E+07	3.36E+07	87799	32478	68005
866	1764922	7003778	3.22E+07	103939	31110	69465
867	1340335	1.12E+08	3.30E+07	45659	31921	68809
868	1624057	-2.17E+07	3.25E+07	136833	31353	68962
869	1496236	4.85E+07	3.56E+07	70194	34396	69006
870	1541334	3.86E+07	2.96E+07	136874	28613	69177
871	1191519	8.54E+07	3.36E+07	47596	32487	69651
872	1776565	1.58E+08	3.28E+07	27557	31683	68302
873	1641446	1.89E+08	3.30E+07	-6971	31903	68836
874	1347419	5.50E+07	3.27E+07	87708	31580	68890
875	1512825	1.22E+08	3.64E+07	61444	35129	68790
876	1549813	1.25E+08	2.94E+07	-7779	28450	68597
877	1183010	-8.44E+07	3.79E+07	-47237	36714	-68485
878	1764336	-1.61E+08	3.65E+07	-31097	35345	-67025
879	1339750	-5.54E+07	3.73E+07	-89376	36156	-67681
880	1623472	-1.89E+08	3.67E+07	1797	35588	-67528
881	1495651	-1.19E+08	3.99E+07	-64841	38631	-67484
882	1540749	-1.29E+08	3.38E+07	1839	32849	-67313
883	1190934	-8.23E+07	3.79E+07	-87440	36722	-66839
884	1775980	-1.01E+07	3.71E+07	-107479	35918	-68188
885	1640861	2.16E+07	3.73E+07	-142007	36139	-67654
886	1346834	-1.13E+08	3.70E+07	-47328	35815	-67600
887	1512240	-4.53E+07	4.07E+07	-73592	39365	-67700
888	1549228	-4.31E+07	3.37E+07	-142815	32686	-67893
889	1148139	8.48E+07	3.39E+07	86868	32730	68007
890	1729465	8515082	3.25E+07	103008	31362	69467
891	1304878	1.14E+08	3.33E+07	44729	32172	68811
892	1588601	-2.02E+07	3.27E+07	135902	31605	68964
893	1460780	5.00E+07	3.59E+07	69264	34648	69008
894	1505877	4.01E+07	2.98E+07	135944	28865	69179
895	1156063	8.69E+07	3.39E+07	46665	32739	69653
896	1741108	1.59E+08	3.31E+07	26627	31935	68304
897	1605989	1.91E+08	3.33E+07	-7902	32155	68838
898	1311962	5.65E+07	3.30E+07	86778	31832	68892
899	1477369	1.24E+08	3.67E+07	60513	35381	68792
900	1514357	1.26E+08	2.97E+07	-8709	28702	68599
901	1147554	-8.29E+07	3.82E+07	-48168	36966	-68483
902	1728880	-1.59E+08	3.67E+07	-32028	35597	-67023
903	1304293	-5.38E+07	3.76E+07	-90307	36408	-67679
904	1588016	-1.88E+08	3.70E+07	867	35840	-67527
905	1460195	-1.18E+08	4.02E+07	-65772	38883	-67482
906	1505292	-1.28E+08	3.41E+07	908	33101	-67311
907	1155478	-8.08E+07	3.82E+07	-88370	36974	-66837
908	1740523	-8631364	3.73E+07	-108409	36170	-68186
909	1605404	2.31E+07	3.76E+07	-142937	36391	-67652
910	1311377	-1.11E+08	3.72E+07	-48258	36067	-67598
911	1476784	-4.38E+07	4.10E+07	-74522	39616	-67698
912	1513771	-4.16E+07	3.39E+07	-143745	32938	-67891
913	1205711	8.36E+07	3.39E+07	87460	32751	68015
914	1787037	7264867	3.25E+07	103600	31383	69475
915	1362450	1.13E+08	3.33E+07	45320	32193	68818
916	1646173	-2.15E+07	3.27E+07	136494	31626	68971
917	1518352	4.87E+07	3.59E+07	69855	34669	69016
918	1563449	3.89E+07	2.99E+07	136535	28886	69187
919	1213635	8.57E+07	3.39E+07	47257	32760	69660
920	1798680	1.58E+08	3.31E+07	27218	31956	68311
921	1663562	1.90E+08	3.33E+07	-7310	32176	68845

922	1369534	5.53E+07	3.30E+07	87369	31853	68899
923	1534941	1.23E+08	3.67E+07	61105	35402	68800
924	1571929	1.25E+08	2.97E+07	-8118	28723	68607
925	1205126	-8.41E+07	3.82E+07	-47576	36987	-68475
926	1786452	-1.60E+08	3.68E+07	-31436	35618	-67015
927	1361865	-5.51E+07	3.76E+07	-89715	36429	-67672
928	1645588	-1.89E+08	3.70E+07	1458	35861	-67519
929	1517767	-1.19E+08	4.02E+07	-65180	38904	-67474
930	1562864	-1.29E+08	3.41E+07	1500	33122	-67303
931	1213050	-8.20E+07	3.82E+07	-87779	36995	-66830
932	1798095	-9881578	3.74E+07	-107818	36191	-68179
933	1662976	2.19E+07	3.76E+07	-142346	36412	-67645
934	1368949	-1.12E+08	3.72E+07	-47667	36088	-67591
935	1534356	-4.50E+07	4.10E+07	-73931	39637	-67690
936	1571344	-4.28E+07	3.40E+07	-143154	32959	-67883
937	1170254	8.51E+07	3.42E+07	86529	33003	68017
938	1751581	8776172	3.27E+07	102669	31635	69477
939	1326994	1.14E+08	3.36E+07	44390	32445	68820
940	1610717	-2.00E+07	3.30E+07	135563	31878	68973
941	1482896	5.02E+07	3.62E+07	68925	34920	69018
942	1527993	4.04E+07	3.01E+07	135605	29138	69189
943	1178179	8.72E+07	3.42E+07	46326	33012	69662
944	1763224	1.59E+08	3.33E+07	26288	32208	68313
945	1628105	1.91E+08	3.36E+07	-8241	32428	68847
946	1334078	5.68E+07	3.32E+07	86439	32104	68901
947	1499484	1.24E+08	3.70E+07	60174	35654	68802
948	1536472	1.26E+08	3.00E+07	-9049	28975	68609
949	1169669	-8.26E+07	3.85E+07	-48507	37238	-68473
950	1750996	-1.59E+08	3.70E+07	-32367	35870	-67013
951	1326409	-5.36E+07	3.79E+07	-90646	36681	-67670
952	1610131	-1.88E+08	3.73E+07	528	36113	-67517
953	1482310	-1.17E+08	4.05E+07	-66111	39156	-67472
954	1527408	-1.27E+08	3.44E+07	569	33374	-67301
955	1177594	-8.05E+07	3.85E+07	-88709	37247	-66828
956	1762639	-8370274	3.76E+07	-108748	36443	-68177
957	1627520	2.34E+07	3.79E+07	-143276	36663	-67643
958	1333493	-1.11E+08	3.75E+07	-48597	36340	-67589
959	1498899	-4.35E+07	4.12E+07	-74861	39889	-67688
960	1535887	-4.13E+07	3.42E+07	-144084	33211	-67881
961	1621967	8.13E+07	7.05E+07	98990	67572	66755
962	1919290	4.10E+07	6.98E+07	102859	66881	67512
963	1699687	9.50E+07	7.01E+07	78842	67251	67169
964	1853478	2.75E+07	6.98E+07	116073	66966	67324
965	1795816	6.23E+07	7.15E+07	87424	68569	67378
966	1812231	5.76E+07	6.83E+07	125924	65449	67424
967	1626393	8.24E+07	7.05E+07	76195	67574	67642
968	1924194	1.20E+08	7.01E+07	71377	67208	66920
969	1860540	1.36E+08	7.01E+07	56324	67199	67146
970	1705633	6.79E+07	7.00E+07	95436	67068	67246
971	1804088	1.02E+08	7.20E+07	85741	68988	67095
972	1817414	1.03E+08	6.81E+07	45715	65352	67044
973	1621382	-8.64E+07	7.48E+07	-36046	71807	-69735
974	1918705	-1.27E+08	7.40E+07	-32177	71117	-68978
975	1699101	-7.27E+07	7.44E+07	-56194	71486	-69322
976	1852893	-1.40E+08	7.41E+07	-18963	71202	-69166
977	1795231	-1.05E+08	7.58E+07	-47612	72805	-69112
978	1811646	-1.10E+08	7.25E+07	-9112	69685	-69066
979	1625808	-8.53E+07	7.48E+07	-58840	71809	-68848
980	1923609	-4.77E+07	7.44E+07	-63659	71444	-69570
981	1859955	-3.22E+07	7.44E+07	-78712	71434	-69344
982	1705047	-9.98E+07	7.42E+07	-39599	71304	-69244
983	1803503	-6.55E+07	7.62E+07	-49295	73223	-69395
984	1816829	-6.45E+07	7.24E+07	-89320	69587	-69446
985	1586511	8.28E+07	7.07E+07	98059	67823	66757
986	1883833	4.25E+07	7.00E+07	101928	67133	67514
987	1664230	9.65E+07	7.04E+07	77911	67502	67170
988	1818021	2.90E+07	7.01E+07	115143	67218	67326
989	1760360	6.38E+07	7.18E+07	86493	68821	67380

990	1776774	5.91E+07	6.85E+07	124993	65701	67426
991	1590937	8.39E+07	7.07E+07	75265	67825	67643
992	1888737	1.22E+08	7.04E+07	70446	67460	66922
993	1825084	1.37E+08	7.04E+07	55393	67451	67148
994	1670176	6.94E+07	7.02E+07	94506	67320	67248
995	1768632	1.04E+08	7.22E+07	84810	69240	67096
996	1781958	1.05E+08	6.84E+07	44785	65603	67046
997	1585926	-8.49E+07	7.50E+07	-36976	72059	-69733
998	1883248	-1.25E+08	7.43E+07	-33107	71369	-68976
999	1663645	-7.12E+07	7.47E+07	-57125	71738	-69320
1000	1817436	-1.39E+08	7.44E+07	-19893	71454	-69164
1001	1759775	-1.04E+08	7.61E+07	-48543	73057	-69110
1002	1776189	-1.09E+08	7.28E+07	-10042	69937	-69064
1003	1590351	-8.38E+07	7.50E+07	-59771	72061	-68847
1004	1888152	-4.62E+07	7.46E+07	-64590	71696	-69568
1005	1824499	-3.06E+07	7.46E+07	-79643	71686	-69342
1006	1669591	-9.83E+07	7.45E+07	-40530	71555	-69242
1007	1768047	-6.40E+07	7.65E+07	-50226	73475	-69394
1008	1781373	-6.30E+07	7.27E+07	-90251	69839	-69444
1009	1644083	8.16E+07	7.08E+07	98651	67844	66765
1010	1941405	4.13E+07	7.00E+07	102520	67154	67522
1011	1721802	9.53E+07	7.04E+07	78503	67523	67178
1012	1875594	2.77E+07	7.01E+07	115734	67239	67333
1013	1817932	6.25E+07	7.18E+07	87084	68842	67388
1014	1834346	5.79E+07	6.85E+07	125585	65722	67433
1015	1648509	8.27E+07	7.08E+07	75856	67846	67651
1016	1946309	1.20E+08	7.04E+07	71038	67481	66930
1017	1882656	1.36E+08	7.04E+07	55984	67472	67156
1018	1727748	6.82E+07	7.02E+07	95097	67341	67255
1019	1826204	1.02E+08	7.23E+07	85402	69261	67104
1020	1839530	1.04E+08	6.84E+07	45376	65624	67053
1021	1643498	-8.61E+07	7.50E+07	-36385	72080	-69725
1022	1940820	-1.26E+08	7.43E+07	-32516	71390	-68968
1023	1721217	-7.24E+07	7.47E+07	-56533	71759	-69312
1024	1875008	-1.40E+08	7.44E+07	-19302	71475	-69157
1025	1817347	-1.05E+08	7.61E+07	-47951	73078	-69102
1026	1833761	-1.10E+08	7.28E+07	-9451	69958	-69057
1027	1647923	-8.50E+07	7.50E+07	-59179	72082	-68839
1028	1945724	-4.74E+07	7.47E+07	-63998	71717	-69560
1029	1882071	-3.19E+07	7.46E+07	-79051	71707	-69334
1030	1727163	-9.95E+07	7.45E+07	-39938	71576	-69235
1031	1825619	-6.52E+07	7.65E+07	-49634	73496	-69386
1032	1838945	-6.42E+07	7.27E+07	-89659	69860	-69437
1033	1608627	8.31E+07	7.10E+07	97720	68096	66767
1034	1905949	4.28E+07	7.03E+07	101589	67406	67524
1035	1686346	9.68E+07	7.07E+07	77572	67775	67180
1036	1840137	2.92E+07	7.04E+07	114804	67491	67335
1037	1782475	6.41E+07	7.21E+07	86154	69094	67390
1038	1798890	5.94E+07	6.88E+07	124654	65974	67435
1039	1613052	8.42E+07	7.10E+07	74926	68098	67653
1040	1910853	1.22E+08	7.06E+07	70107	67733	66932
1041	1847199	1.37E+08	7.06E+07	55054	67723	67157
1042	1692292	6.97E+07	7.05E+07	94167	67593	67257
1043	1790747	1.04E+08	7.25E+07	84471	69513	67106
1044	1804073	1.05E+08	6.87E+07	44446	65876	67055
1045	1608041	-8.46E+07	7.53E+07	-37316	72332	-69723
1046	1905364	-1.25E+08	7.46E+07	-33446	71642	-68966
1047	1685761	-7.09E+07	7.50E+07	-57464	72011	-69310
1048	1839552	-1.38E+08	7.47E+07	-20232	71726	-69155
1049	1781890	-1.04E+08	7.64E+07	-48882	73329	-69100
1050	1798305	-1.08E+08	7.31E+07	-10382	70209	-69055
1051	1612467	-8.35E+07	7.53E+07	-60110	72334	-68837
1052	1910268	-4.59E+07	7.49E+07	-64929	71969	-69558
1053	1846614	-3.04E+07	7.49E+07	-79982	71959	-69333
1054	1691707	-9.80E+07	7.48E+07	-40869	71828	-69233
1055	1790162	-6.37E+07	7.68E+07	-50565	73748	-69384
1056	1803488	-6.27E+07	7.30E+07	-90590	70112	-69435
1057	1622173	8.56E+07	-3896798	56808	-3263	70072

1058	1919495	4.53E+07	-4621316	60678	-3953	70829
1059	1699892	9.94E+07	-4233766	36660	-3584	70485
1060	1853684	3.18E+07	-4532232	73892	-3868	70641
1061	1796022	6.66E+07	-2849080	45242	-2265	70695
1062	1812437	6.19E+07	-6125114	83743	-5385	70741
1063	1626599	8.67E+07	-3894690	34014	-3261	70958
1064	1924399	1.24E+08	-4277970	29195	-3626	70237
1065	1860746	1.40E+08	-4288181	14142	-3636	70463
1066	1705838	7.22E+07	-4425315	53255	-3767	70563
1067	1804294	1.07E+08	-2409622	43559	-1847	70411
1068	1817620	1.08E+08	-6227726	3534	-5483	70361
1069	1621588	-8.21E+07	375793	-78227	972	-66418
1070	1918910	-1.22E+08	-348724	-74358	282	-65661
1071	1699307	-6.83E+07	38826	-98375	651	-66005
1072	1853098	-1.36E+08	-259640	-61144	367	-65850
1073	1795437	-1.01E+08	1423512	-89794	1970	-65795
1074	1811851	-1.06E+08	-1852523	-51293	-1150	-65749
1075	1626014	-8.10E+07	377902	-101022	974	-65532
1076	1923814	-4.34E+07	-5378	-105841	609	-66253
1077	1860161	-2.78E+07	-15589	-120894	600	-66027
1078	1705253	-9.55E+07	-152723	-81781	469	-65927
1079	1803709	-6.12E+07	1862969	-91477	2389	-66079
1080	1817035	-6.01E+07	-1955134	-131502	-1248	-66129
1081	1586717	8.71E+07	-3632369	55878	-3011	70074
1082	1884039	4.68E+07	-4356886	59747	-3701	70831
1083	1664436	1.01E+08	-3969336	35730	-3332	70487
1084	1818227	3.33E+07	-4267802	72961	-3617	70642
1085	1760565	6.81E+07	-2584650	44312	-2014	70697
1086	1776980	6.34E+07	-5860685	82812	-5134	70743
1087	1591142	8.82E+07	-3630260	33083	-3009	70960
1088	1888943	1.26E+08	-4013540	28265	-3374	70239
1089	1825289	1.41E+08	-4023751	13211	-3384	70465
1090	1670382	7.37E+07	-4160886	52324	-3515	70564
1091	1768837	1.08E+08	-2145193	42629	-1595	70413
1092	1782163	1.09E+08	-5963296	2603	-5231	70362
1093	1586132	-8.06E+07	640223	-79158	1224	-66416
1094	1883454	-1.21E+08	-84294	-75289	534	-65659
1095	1663851	-6.68E+07	303255	-99306	903	-66003
1096	1817642	-1.34E+08	4789	-62075	619	-65848
1097	1759980	-9.96E+07	1687942	-90724	2222	-65793
1098	1776395	-1.04E+08	-1588093	-52224	-898	-65747
1099	1590557	-7.95E+07	642332	-101952	1226	-65530
1100	1888358	-4.19E+07	259052	-106771	861	-66251
1101	1824704	-2.63E+07	248840	-121824	851	-66025
1102	1669797	-9.40E+07	111706	-82711	721	-65926
1103	1768252	-5.97E+07	2127399	-92407	2640	-66077
1104	1781578	-5.86E+07	-1690704	-132432	-996	-66128
1105	1644289	8.59E+07	-3610269	56469	-2990	70082
1106	1941611	4.56E+07	-4334786	60339	-3680	70839
1107	1722008	9.96E+07	-3947237	36321	-3311	70495
1108	1875799	3.20E+07	-4245703	73553	-3596	70650
1109	1818138	6.69E+07	-2562551	44903	-1993	70705
1110	1834552	6.22E+07	-5838585	83403	-5113	70750
1111	1648714	8.70E+07	-3608160	33675	-2988	70968
1112	1946515	1.25E+08	-3991440	28856	-3353	70247
1113	1882862	1.40E+08	-4001652	13803	-3363	70472
1114	1727954	7.25E+07	-4138786	52916	-3494	70572
1115	1826410	1.07E+08	-2123093	43220	-1574	70421
1116	1839735	1.08E+08	-5941197	3195	-5210	70370
1117	1643704	-8.18E+07	662322	-78566	1245	-66408
1118	1941026	-1.22E+08	-62195	-74697	555	-65651
1119	1721423	-6.81E+07	325355	-98715	924	-65995
1120	1875214	-1.36E+08	26889	-61483	640	-65840
1121	1817552	-1.01E+08	1710041	-90133	2243	-65785
1122	1833967	-1.06E+08	-1565993	-51632	-877	-65740
1123	1648129	-8.07E+07	664431	-101361	1247	-65522
1124	1945930	-4.31E+07	281151	-106180	882	-66243
1125	1882276	-2.76E+07	270940	-121233	872	-66018

1126	1727369	-9.52E+07	133806	-82120	742	-65918
1127	1825824	-6.09E+07	2149499	-91816	2662	-66069
1128	1839150	-5.99E+07	-1668605	-131841	-975	-66120
1129	1608832	8.74E+07	-3345840	55539	-2739	70084
1130	1906155	4.71E+07	-4070357	59408	-3429	70840
1131	1686552	1.01E+08	-3682807	35391	-3059	70497
1132	1840343	3.35E+07	-3981273	72622	-3344	70652
1133	1782681	6.84E+07	-2298121	43972	-1741	70707
1134	1799096	6.37E+07	-5574156	82473	-4861	70752
1135	1613258	8.85E+07	-3343731	32744	-2737	70970
1136	1911059	1.26E+08	-3727011	27926	-3102	70248
1137	1847405	1.42E+08	-3737222	12872	-3111	70474
1138	1692497	7.40E+07	-3874356	51985	-3242	70574
1139	1790953	1.08E+08	-1858663	42290	-1322	70423
1140	1804279	1.09E+08	-5676767	2264	-4958	70372
1141	1608247	-8.03E+07	926752	-79497	1497	-66406
1142	1905569	-1.21E+08	202235	-75628	807	-65650
1143	1685966	-6.66E+07	589785	-99645	1176	-65993
1144	1839758	-1.34E+08	291318	-62414	892	-65838
1145	1782096	-9.93E+07	1974471	-91063	2495	-65783
1146	1798511	-1.04E+08	-1301564	-52563	-625	-65738
1147	1612673	-7.92E+07	928861	-102291	1499	-65520
1148	1910474	-4.16E+07	545581	-107110	1134	-66242
1149	1846820	-2.61E+07	535370	-122163	1124	-66016
1150	1691912	-9.37E+07	398235	-83050	994	-65916
1151	1790368	-5.94E+07	2413928	-92746	2913	-66067
1152	1803694	-5.84E+07	-1404175	-132771	-723	-66118
1153	1622148	1.01E+08	3.30E+07	-105961	31872	81704
1154	1919470	6.07E+07	3.23E+07	-102092	31182	82461
1155	1699867	1.15E+08	3.27E+07	-126109	31551	82117
1156	1853658	4.71E+07	3.24E+07	-88877	31267	82272
1157	1795996	8.20E+07	3.40E+07	-117527	32870	82327
1158	1812411	7.73E+07	3.08E+07	-79027	29750	82372
1159	1626573	1.02E+08	3.30E+07	-128755	31874	82590
1160	1924374	1.40E+08	3.26E+07	-133574	31509	81869
1161	1860720	1.55E+08	3.26E+07	-148627	31499	82094
1162	1705813	8.76E+07	3.25E+07	-109514	31369	82194
1163	1804268	1.22E+08	3.45E+07	-119210	33288	82043
1164	1817594	1.23E+08	3.07E+07	-159235	29652	81992
1165	1621562	-6.67E+07	3.73E+07	-240997	36107	-54786
1166	1918885	-1.07E+08	3.65E+07	-237127	35417	-54030
1167	1699282	-5.30E+07	3.69E+07	-261145	35786	-54373
1168	1853073	-1.21E+08	3.66E+07	-223913	35502	-54218
1169	1795411	-8.57E+07	3.83E+07	-252563	37105	-54163
1170	1811826	-9.04E+07	3.50E+07	-214062	33985	-54118
1171	1625988	-6.56E+07	3.73E+07	-263791	36109	-53900
1172	1923789	-2.80E+07	3.69E+07	-268610	35744	-54621
1173	1860135	-1.25E+07	3.69E+07	-283663	35735	-54396
1174	1705228	-8.01E+07	3.67E+07	-244550	35604	-54296
1175	1803683	-4.58E+07	3.88E+07	-254246	37524	-54447
1176	1817009	-4.48E+07	3.49E+07	-294271	33887	-54498
1177	1586691	1.02E+08	3.33E+07	-106891	32124	81706
1178	1884013	6.22E+07	3.25E+07	-103022	31434	82462
1179	1664410	1.16E+08	3.29E+07	-127039	31803	82119
1180	1818202	4.86E+07	3.26E+07	-89808	31519	82274
1181	1760540	8.35E+07	3.43E+07	-118458	33122	82328
1182	1776955	7.88E+07	3.10E+07	-79957	30002	82374
1183	1591117	1.04E+08	3.33E+07	-129686	32126	82592
1184	1888918	1.41E+08	3.29E+07	-134505	31761	81870
1185	1825264	1.57E+08	3.29E+07	-149558	31751	82096
1186	1670356	8.91E+07	3.27E+07	-110445	31620	82196
1187	1768812	1.23E+08	3.47E+07	-120141	33540	82045
1188	1782138	1.24E+08	3.09E+07	-160166	29904	81994
1189	1586106	-6.52E+07	3.75E+07	-241927	36359	-54785
1190	1883428	-1.06E+08	3.68E+07	-238058	35669	-54028
1191	1663825	-5.15E+07	3.72E+07	-262075	36038	-54371
1192	1817616	-1.19E+08	3.69E+07	-224844	35754	-54216
1193	1759955	-8.42E+07	3.86E+07	-253493	37357	-54162

1194	1776369	-8.89E+07	3.53E+07	-214993	34237	-54116
1195	1590532	-6.41E+07	3.75E+07	-264721	36361	-53898
1196	1888332	-2.65E+07	3.72E+07	-269540	35996	-54620
1197	1824679	-1.10E+07	3.71E+07	-284593	35986	-54394
1198	1669771	-7.86E+07	3.70E+07	-245481	35856	-54294
1199	1768227	-4.43E+07	3.90E+07	-255176	37776	-54445
1200	1781553	-4.33E+07	3.52E+07	-295202	34139	-54496
1201	1644263	1.01E+08	3.33E+07	-106300	32145	81713
1202	1941585	6.09E+07	3.26E+07	-102431	31455	82470
1203	1721982	1.15E+08	3.29E+07	-126448	31824	82126
1204	1875774	4.74E+07	3.26E+07	-89216	31540	82281
1205	1818112	8.22E+07	3.43E+07	-117866	33143	82336
1206	1834527	7.75E+07	3.11E+07	-79366	30023	82382
1207	1648689	1.02E+08	3.33E+07	-129094	32147	82599
1208	1946490	1.40E+08	3.29E+07	-133913	31782	81878
1209	1882836	1.55E+08	3.29E+07	-148966	31772	82104
1210	1727928	8.78E+07	3.28E+07	-109853	31641	82203
1211	1826384	1.22E+08	3.48E+07	-119549	33561	82052
1212	1839710	1.23E+08	3.10E+07	-159574	29925	82002
1213	1643678	-6.65E+07	3.76E+07	-241336	36380	-54777
1214	1941000	-1.07E+08	3.68E+07	-237466	35690	-54020
1215	1721397	-5.27E+07	3.72E+07	-261484	36059	-54364
1216	1875189	-1.20E+08	3.69E+07	-224252	35775	-54209
1217	1817527	-8.55E+07	3.86E+07	-252902	37378	-54154
1218	1833942	-9.02E+07	3.53E+07	-214402	34258	-54108
1219	1648104	-6.54E+07	3.76E+07	-264130	36382	-53891
1220	1945905	-2.78E+07	3.72E+07	-268949	36017	-54612
1221	1882251	-1.22E+07	3.72E+07	-284002	36008	-54386
1222	1727343	-7.99E+07	3.70E+07	-244889	35877	-54287
1223	1825799	-4.56E+07	3.90E+07	-254585	37797	-54438
1224	1839125	-4.45E+07	3.52E+07	-294610	34160	-54489
1225	1608807	1.03E+08	3.35E+07	-107230	32397	81715
1226	1906129	6.24E+07	3.28E+07	-103361	31707	82472
1227	1686526	1.16E+08	3.32E+07	-127379	32076	82128
1228	1840317	4.89E+07	3.29E+07	-90147	31791	82283
1229	1782656	8.37E+07	3.46E+07	-118797	33394	82338
1230	1799070	7.90E+07	3.13E+07	-80296	30274	82384
1231	1613232	1.04E+08	3.35E+07	-130025	32399	82601
1232	1911033	1.41E+08	3.32E+07	-134844	32034	81880
1233	1847380	1.57E+08	3.32E+07	-149897	32024	82106
1234	1692472	8.94E+07	3.30E+07	-110784	31893	82205
1235	1790928	1.24E+08	3.50E+07	-120480	33813	82054
1236	1804254	1.25E+08	3.12E+07	-160505	30177	82003
1237	1608222	-6.50E+07	3.78E+07	-242266	36632	-54775
1238	1905544	-1.05E+08	3.71E+07	-238397	35942	-54018
1239	1685941	-5.12E+07	3.75E+07	-262414	36311	-54362
1240	1839732	-1.19E+08	3.72E+07	-225183	36027	-54207
1241	1782070	-8.40E+07	3.89E+07	-253833	37630	-54152
1242	1798485	-8.87E+07	3.56E+07	-215332	34510	-54106
1243	1612647	-6.38E+07	3.78E+07	-265061	36634	-53889
1244	1910448	-2.62E+07	3.74E+07	-269879	36269	-54610
1245	1846794	-1.07E+07	3.74E+07	-284933	36259	-54384
1246	1691887	-7.83E+07	3.73E+07	-245820	36129	-54285
1247	1790342	-4.40E+07	3.93E+07	-255515	38048	-54436
1248	1803668	-4.30E+07	3.55E+07	-295541	34412	-54487
1249	1622060	8.55E+07	3.35E+07	-46568	32335	70091
1250	1919382	4.52E+07	3.28E+07	-42699	31645	70847
1251	1699779	9.92E+07	3.31E+07	-66716	32014	70504
1252	1853570	3.16E+07	3.28E+07	-29485	31729	70659
1253	1795909	6.65E+07	3.45E+07	-58134	33332	70714
1254	1812323	6.18E+07	3.13E+07	-19634	30212	70759
1255	1626486	8.66E+07	3.35E+07	-69362	32337	70977
1256	1924286	1.24E+08	3.31E+07	-74181	31971	70256
1257	1860633	1.40E+08	3.31E+07	-89234	31962	70481
1258	1705725	7.21E+07	3.30E+07	-50121	31831	70581
1259	1804181	1.06E+08	3.50E+07	-59817	33751	70430
1260	1817507	1.07E+08	3.11E+07	-99843	30115	70379
1261	1621475	-8.22E+07	3.78E+07	-181604	36570	-66399

1262	1918797	-1.23E+08	3.70E+07	-177735	35880	-65643
1263	1699194	-6.85E+07	3.74E+07	-201752	36249	-65986
1264	1852985	-1.36E+08	3.71E+07	-164521	35965	-65831
1265	1795324	-1.01E+08	3.88E+07	-193170	37568	-65776
1266	1811738	-1.06E+08	3.55E+07	-154670	34448	-65731
1267	1625900	-8.11E+07	3.78E+07	-204398	36572	-65513
1268	1923701	-4.35E+07	3.74E+07	-209217	36207	-66234
1269	1860048	-2.80E+07	3.74E+07	-224270	36197	-66009
1270	1705140	-9.56E+07	3.72E+07	-185157	36067	-65909
1271	1803596	-6.13E+07	3.92E+07	-194853	37986	-66060
1272	1816922	-6.03E+07	3.54E+07	-234878	34350	-66111
1273	1586604	8.70E+07	3.37E+07	-47499	32586	70092
1274	1883926	4.67E+07	3.30E+07	-43630	31896	70849
1275	1664323	1.01E+08	3.34E+07	-67647	32265	70506
1276	1818114	3.32E+07	3.31E+07	-30415	31981	70661
1277	1760452	6.80E+07	3.48E+07	-59065	33584	70715
1278	1776867	6.33E+07	3.15E+07	-20565	30464	70761
1279	1591029	8.81E+07	3.37E+07	-70293	32588	70979
1280	1888830	1.26E+08	3.34E+07	-75112	32223	70257
1281	1825176	1.41E+08	3.34E+07	-90165	32214	70483
1282	1670269	7.36E+07	3.32E+07	-51052	32083	70583
1283	1768724	1.08E+08	3.52E+07	-60748	34003	70432
1284	1782050	1.09E+08	3.14E+07	-100773	30366	70381
1285	1586018	-8.07E+07	3.80E+07	-182534	36822	-66398
1286	1883341	-1.21E+08	3.73E+07	-178665	36132	-65641
1287	1663738	-6.70E+07	3.77E+07	-202683	36501	-65984
1288	1817529	-1.35E+08	3.74E+07	-165451	36217	-65829
1289	1759867	-9.97E+07	3.91E+07	-194101	37820	-65775
1290	1776282	-1.04E+08	3.58E+07	-155600	34700	-65729
1291	1590444	-7.96E+07	3.80E+07	-205329	36824	-65511
1292	1888245	-4.20E+07	3.76E+07	-210148	36459	-66233
1293	1824591	-2.65E+07	3.76E+07	-225201	36449	-66007
1294	1669684	-9.41E+07	3.75E+07	-186088	36318	-65907
1295	1768139	-5.98E+07	3.95E+07	-195784	38238	-66058
1296	1781465	-5.88E+07	3.57E+07	-235809	34602	-66109
1297	1644176	8.58E+07	3.38E+07	-46907	32607	70100
1298	1941498	4.54E+07	3.30E+07	-43038	31917	70857
1299	1721895	9.95E+07	3.34E+07	-67055	32286	70513
1300	1875686	3.19E+07	3.31E+07	-29824	32002	70668
1301	1818024	6.67E+07	3.48E+07	-58473	33605	70723
1302	1834439	6.20E+07	3.15E+07	-19973	30485	70769
1303	1648601	8.69E+07	3.38E+07	-69702	32609	70986
1304	1946402	1.24E+08	3.34E+07	-74520	32244	70265
1305	1882748	1.40E+08	3.34E+07	-89574	32235	70491
1306	1727841	7.24E+07	3.32E+07	-50461	32104	70590
1307	1826296	1.07E+08	3.53E+07	-60156	34024	70439
1308	1839622	1.08E+08	3.14E+07	-100182	30387	70388
1309	1643590	-8.19E+07	3.80E+07	-181943	36843	-66390
1310	1940913	-1.22E+08	3.73E+07	-178074	36153	-65633
1311	1721310	-6.82E+07	3.77E+07	-202091	36522	-65977
1312	1875101	-1.36E+08	3.74E+07	-164860	36238	-65822
1313	1817439	-1.01E+08	3.91E+07	-193509	37841	-65767
1314	1833854	-1.06E+08	3.58E+07	-155009	34721	-65721
1315	1648016	-8.08E+07	3.80E+07	-204737	36845	-65504
1316	1945817	-4.32E+07	3.77E+07	-209556	36480	-66225
1317	1882163	-2.77E+07	3.76E+07	-224609	36470	-65999
1318	1727256	-9.53E+07	3.75E+07	-185496	36340	-65900
1319	1825711	-6.10E+07	3.95E+07	-195192	38259	-66051
1320	1839037	-6.00E+07	3.57E+07	-235217	34623	-66102
1321	1608719	8.73E+07	3.40E+07	-47838	32859	70102
1322	1906041	4.70E+07	3.33E+07	-43969	32169	70859
1323	1686438	1.01E+08	3.37E+07	-67986	32538	70515
1324	1840230	3.34E+07	3.34E+07	-30754	32254	70670
1325	1782568	6.83E+07	3.51E+07	-59404	33857	70725
1326	1798983	6.36E+07	3.18E+07	-20904	30737	70771
1327	1613145	8.84E+07	3.40E+07	-70632	32861	70988
1328	1910946	1.26E+08	3.37E+07	-75451	32496	70267
1329	1847292	1.42E+08	3.36E+07	-90504	32486	70493

1330	1692384	7.39E+07	3.35E+07	-51391	32356	70592
1331	1790840	1.08E+08	3.55E+07	-61087	34276	70441
1332	1804166	1.09E+08	3.17E+07	-101112	30639	70390
1333	1608134	-8.04E+07	3.83E+07	-182874	37095	-66388
1334	1905456	-1.21E+08	3.76E+07	-179004	36405	-65631
1335	1685853	-6.67E+07	3.80E+07	-203022	36774	-65975
1336	1839645	-1.34E+08	3.77E+07	-165790	36490	-65820
1337	1781983	-9.95E+07	3.94E+07	-194440	38093	-65765
1338	1798397	-1.04E+08	3.61E+07	-155939	34973	-65719
1339	1612560	-7.93E+07	3.83E+07	-205668	37097	-65502
1340	1910360	-4.17E+07	3.79E+07	-210487	36732	-66223
1341	1846707	-2.62E+07	3.79E+07	-225540	36722	-65997
1342	1691799	-9.38E+07	3.78E+07	-186427	36591	-65898
1343	1790255	-5.95E+07	3.98E+07	-196123	38511	-66049
1344	1803581	-5.85E+07	3.60E+07	-236148	34875	-66100
1345	1622211	1.39E+08	3.17E+07	123313	30571	113907
1346	1919533	9.87E+07	3.10E+07	127182	29881	114664
1347	1699930	1.53E+08	3.14E+07	103165	30250	114320
1348	1853721	8.52E+07	3.11E+07	140396	29966	114475
1349	1796059	1.20E+08	3.27E+07	111747	31569	114530
1350	1812474	1.15E+08	2.95E+07	150247	28449	114575
1351	1626636	1.40E+08	3.17E+07	100519	30573	114793
1352	1924437	1.78E+08	3.13E+07	95700	30208	114072
1353	1860783	1.93E+08	3.13E+07	80647	30199	114297
1354	1705876	1.26E+08	3.12E+07	119760	30068	114397
1355	1804331	1.60E+08	3.32E+07	110064	31988	114246
1356	1817657	1.61E+08	2.94E+07	70039	28351	114195
1357	1621235	-1.40E+08	3.88E+07	-101747	37630	-113577
1358	1918558	-1.81E+08	3.81E+07	-97878	36940	-112820
1359	1698955	-1.27E+08	3.85E+07	-121895	37309	-113163
1360	1852746	-1.94E+08	3.82E+07	-84663	37025	-113008
1361	1795084	-1.60E+08	3.99E+07	-113313	38628	-112954
1362	1811499	-1.64E+08	3.66E+07	-74813	35508	-112908
1363	1625661	-1.39E+08	3.88E+07	-124541	37632	-112690
1364	1923462	-1.02E+08	3.84E+07	-129360	37267	-113412
1365	1859808	-8.63E+07	3.84E+07	-144413	37258	-113186
1366	1704900	-1.54E+08	3.83E+07	-105300	37127	-113086
1367	1803356	-1.20E+08	4.03E+07	-114996	39047	-113237
1368	1816682	-1.19E+08	3.65E+07	-155021	35410	-113288
1369	1586754	1.41E+08	3.20E+07	122383	30823	113909
1370	1884076	1.00E+08	3.12E+07	126252	30133	114665
1371	1664473	1.54E+08	3.16E+07	102234	30502	114322
1372	1818265	8.67E+07	3.13E+07	139466	30218	114477
1373	1760603	1.22E+08	3.30E+07	110816	31821	114532
1374	1777018	1.17E+08	2.97E+07	149317	28701	114577
1375	1591180	1.42E+08	3.20E+07	99588	30825	114795
1376	1888980	1.79E+08	3.16E+07	94769	30460	114074
1377	1825327	1.95E+08	3.16E+07	79716	30450	114299
1378	1670419	1.27E+08	3.14E+07	118829	30320	114399
1379	1768875	1.61E+08	3.34E+07	109133	32239	114248
1380	1782201	1.62E+08	2.96E+07	69108	28603	114197
1381	1585779	-1.39E+08	3.91E+07	-102677	37882	-113575
1382	1883101	-1.79E+08	3.83E+07	-98808	37192	-112818
1383	1663498	-1.25E+08	3.87E+07	-122825	37561	-113162
1384	1817289	-1.93E+08	3.84E+07	-85594	37277	-113006
1385	1759628	-1.58E+08	4.01E+07	-114244	38880	-112952
1386	1776042	-1.63E+08	3.68E+07	-75743	35760	-112906
1387	1590204	-1.38E+08	3.91E+07	-125472	37884	-112689
1388	1888005	-1.00E+08	3.87E+07	-130290	37519	-113410
1389	1824352	-8.47E+07	3.87E+07	-145344	37509	-113184
1390	1669444	-1.52E+08	3.85E+07	-106231	37379	-113084
1391	1767900	-1.18E+08	4.06E+07	-115926	39299	-113236
1392	1781226	-1.17E+08	3.67E+07	-155952	35662	-113286
1393	1644326	1.39E+08	3.20E+07	122974	30844	113916
1394	1941648	9.90E+07	3.12E+07	126843	30154	114673
1395	1722045	1.53E+08	3.16E+07	102826	30523	114329
1396	1875837	8.54E+07	3.13E+07	140057	30239	114484
1397	1818175	1.20E+08	3.30E+07	111408	31842	114539

1398	1834590	1.16E+08	2.97E+07	149908	28722	114585
1399	1648752	1.40E+08	3.20E+07	100180	30846	114802
1400	1946553	1.78E+08	3.16E+07	95361	30481	114081
1401	1882899	1.94E+08	3.16E+07	80308	30471	114307
1402	1727991	1.26E+08	3.14E+07	119421	30341	114407
1403	1826447	1.60E+08	3.35E+07	109725	32261	114255
1404	1839773	1.61E+08	2.96E+07	69700	28624	114205
1405	1643351	-1.40E+08	3.91E+07	-102086	37903	-113567
1406	1940673	-1.81E+08	3.84E+07	-98217	37213	-112810
1407	1721070	-1.26E+08	3.88E+07	-122234	37582	-113154
1408	1874861	-1.94E+08	3.85E+07	-85002	37298	-112999
1409	1817200	-1.59E+08	4.01E+07	-113652	38901	-112944
1410	1833614	-1.64E+08	3.69E+07	-75152	35781	-112899
1411	1647777	-1.39E+08	3.91E+07	-124880	37905	-112681
1412	1945577	-1.02E+08	3.87E+07	-129699	37540	-113402
1413	1881924	-8.60E+07	3.87E+07	-144752	37530	-113176
1414	1727016	-1.54E+08	3.86E+07	-105639	37400	-113077
1415	1825472	-1.19E+08	4.06E+07	-115335	39320	-113228
1416	1838798	-1.18E+08	3.68E+07	-155360	35683	-113279
1417	1608870	1.41E+08	3.22E+07	122043	31096	113918
1418	1906192	1.00E+08	3.15E+07	125913	30406	114675
1419	1686589	1.55E+08	3.19E+07	101895	30775	114331
1420	1840380	8.69E+07	3.16E+07	139127	30491	114486
1421	1782719	1.22E+08	3.33E+07	110477	32094	114541
1422	1799133	1.17E+08	3.00E+07	148977	28974	114587
1423	1613295	1.42E+08	3.22E+07	99249	31098	114804
1424	1911096	1.80E+08	3.19E+07	94430	30733	114083
1425	1847443	1.95E+08	3.18E+07	79377	30723	114309
1426	1692535	1.27E+08	3.17E+07	118490	30593	114408
1427	1790991	1.62E+08	3.37E+07	108794	32512	114257
1428	1804316	1.63E+08	2.99E+07	68769	28876	114206
1429	1607895	-1.39E+08	3.94E+07	-103016	38155	-113565
1430	1905217	-1.79E+08	3.86E+07	-99147	37465	-112808
1431	1685614	-1.25E+08	3.90E+07	-123164	37834	-113152
1432	1839405	-1.93E+08	3.87E+07	-85933	37550	-112997
1433	1781743	-1.58E+08	4.04E+07	-114583	39153	-112942
1434	1798158	-1.62E+08	3.71E+07	-76082	36033	-112897
1435	1612320	-1.38E+08	3.94E+07	-125811	38157	-112679
1436	1910121	-1.00E+08	3.90E+07	-130630	37792	-113400
1437	1846467	-8.45E+07	3.90E+07	-145683	37782	-113175
1438	1691560	-1.52E+08	3.88E+07	-106570	37652	-113075
1439	1790015	-1.18E+08	4.08E+07	-116265	39571	-113226
1440	1803341	-1.17E+08	3.70E+07	-156291	35935	-113277
1441	1614780	8.38E+07	5.64E+07	76625	54500	68834
1442	1912102	4.35E+07	5.57E+07	80494	53810	69590
1443	1692499	9.75E+07	5.60E+07	56477	54179	69247
1444	1846291	3.00E+07	5.57E+07	93709	53895	69402
1445	1788629	6.48E+07	5.74E+07	65059	55498	69457
1446	1805044	6.01E+07	5.42E+07	103559	52378	69502
1447	1619206	8.49E+07	5.64E+07	53831	54502	69720
1448	1917006	1.23E+08	5.60E+07	49012	54137	68999
1449	1853353	1.38E+08	5.60E+07	33959	54127	69224
1450	1698445	7.04E+07	5.59E+07	73072	53996	69324
1451	1796901	1.05E+08	5.79E+07	63376	55916	69173
1452	1810227	1.06E+08	5.41E+07	23351	52280	69122
1453	1614195	-8.39E+07	6.07E+07	-58411	58735	-67656
1454	1911517	-1.24E+08	5.99E+07	-54542	58045	-66900
1455	1691914	-7.02E+07	6.03E+07	-78559	58414	-67243
1456	1845705	-1.38E+08	6.00E+07	-41327	58130	-67088
1457	1788044	-1.03E+08	6.17E+07	-69977	59733	-67033
1458	1804458	-1.08E+08	5.84E+07	-31477	56613	-66988
1459	1618621	-8.28E+07	6.07E+07	-81205	58737	-66770
1460	1916421	-4.52E+07	6.03E+07	-86024	58372	-67491
1461	1852768	-2.96E+07	6.03E+07	-101077	58362	-67266
1462	1697860	-9.73E+07	6.01E+07	-61964	58232	-67166
1463	1796316	-6.30E+07	6.21E+07	-71660	60152	-67317
1464	1809642	-6.20E+07	5.83E+07	-111685	56515	-67368
1465	1579324	8.53E+07	5.66E+07	75695	54752	68836

1466	1876646	4.50E+07	5.59E+07	79564	54062	69592
1467	1657043	9.91E+07	5.63E+07	55546	54431	69249
1468	1810834	3.15E+07	5.60E+07	92778	54146	69404
1469	1753172	6.63E+07	5.77E+07	64128	55749	69458
1470	1769587	6.16E+07	5.44E+07	102629	52629	69504
1471	1583749	8.64E+07	5.66E+07	52900	54754	69722
1472	1881550	1.24E+08	5.63E+07	48081	54389	69000
1473	1817896	1.40E+08	5.63E+07	33028	54379	69226
1474	1662989	7.19E+07	5.61E+07	72141	54248	69326
1475	1761444	1.06E+08	5.81E+07	62445	56168	69175
1476	1774770	1.07E+08	5.43E+07	22420	52532	69124
1477	1578739	-8.24E+07	6.09E+07	-59341	58987	-67655
1478	1876061	-1.23E+08	6.02E+07	-55472	58297	-66898
1479	1656458	-6.86E+07	6.06E+07	-79489	58666	-67241
1480	1810249	-1.36E+08	6.03E+07	-42258	58382	-67086
1481	1752587	-1.01E+08	6.20E+07	-70908	59985	-67032
1482	1769002	-1.06E+08	5.87E+07	-32407	56865	-66986
1483	1583164	-8.13E+07	6.09E+07	-82136	58989	-66768
1484	1880965	-4.37E+07	6.05E+07	-86955	58624	-67490
1485	1817311	-2.81E+07	6.05E+07	-102008	58614	-67264
1486	1662404	-9.58E+07	6.04E+07	-62895	58484	-67164
1487	1760859	-6.15E+07	6.24E+07	-72590	60403	-67315
1488	1774185	-6.04E+07	5.86E+07	-112616	56767	-67366
1489	1651640	8.42E+07	5.69E+07	76060	54955	68849
1490	1948962	4.39E+07	5.61E+07	79929	54265	69606
1491	1729359	9.80E+07	5.65E+07	55912	54634	69263
1492	1883150	3.04E+07	5.62E+07	93143	54349	69418
1493	1825488	6.52E+07	5.79E+07	64494	55952	69472
1494	1841903	6.05E+07	5.46E+07	102994	52832	69518
1495	1656065	8.54E+07	5.69E+07	53266	54957	69736
1496	1953866	1.23E+08	5.65E+07	48447	54592	69014
1497	1890212	1.38E+08	5.65E+07	33394	54582	69240
1498	1735305	7.09E+07	5.63E+07	72507	54451	69340
1499	1833760	1.05E+08	5.83E+07	62811	56371	69189
1500	1847086	1.06E+08	5.45E+07	22786	52735	69138
1501	1651054	-8.35E+07	6.11E+07	-58976	59190	-67641
1502	1948377	-1.24E+08	6.04E+07	-55107	58500	-66884
1503	1728774	-6.97E+07	6.08E+07	-79124	58869	-67227
1504	1882565	-1.37E+08	6.05E+07	-41892	58585	-67072
1505	1824903	-1.02E+08	6.22E+07	-70542	60188	-67018
1506	1841318	-1.07E+08	5.89E+07	-32042	57068	-66972
1507	1655480	-8.23E+07	6.11E+07	-81770	59192	-66754
1508	1953281	-4.47E+07	6.08E+07	-86589	58827	-67476
1509	1889627	-2.92E+07	6.07E+07	-101642	58817	-67250
1510	1734720	-9.68E+07	6.06E+07	-62529	58687	-67150
1511	1833175	-6.25E+07	6.26E+07	-72225	60606	-67301
1512	1846501	-6.15E+07	5.88E+07	-112250	56970	-67352
1513	1616183	8.58E+07	5.71E+07	75130	55206	68851
1514	1913505	4.54E+07	5.64E+07	78999	54516	69608
1515	1693902	9.95E+07	5.68E+07	54981	54885	69264
1516	1847694	3.19E+07	5.65E+07	92213	54601	69420
1517	1790032	6.67E+07	5.82E+07	63563	56204	69474
1518	1806447	6.20E+07	5.49E+07	102064	53084	69520
1519	1620609	8.69E+07	5.71E+07	52335	55208	69738
1520	1918410	1.24E+08	5.67E+07	47516	54843	69016
1521	1854756	1.40E+08	5.67E+07	32463	54834	69242
1522	1699848	7.24E+07	5.66E+07	71576	54703	69342
1523	1798304	1.07E+08	5.86E+07	61880	56623	69190
1524	1811630	1.08E+08	5.48E+07	21855	52986	69140
1525	1615598	-8.19E+07	6.14E+07	-59906	59442	-67639
1526	1912920	-1.22E+08	6.07E+07	-56037	58752	-66882
1527	1693317	-6.82E+07	6.11E+07	-80054	59121	-67226
1528	1847108	-1.36E+08	6.08E+07	-42823	58837	-67070
1529	1789447	-1.01E+08	6.24E+07	-71473	60440	-67016
1530	1805861	-1.06E+08	5.92E+07	-32972	57320	-66970
1531	1620024	-8.08E+07	6.14E+07	-82701	59444	-66752
1532	1917824	-4.32E+07	6.10E+07	-87520	59079	-67474
1533	1854171	-2.77E+07	6.10E+07	-102573	59069	-67248

1534	1699263	-9.53E+07	6.09E+07	-63460	58938	-67148
1535	1797719	-6.10E+07	6.29E+07	-73156	60858	-67300
1536	1811045	-6.00E+07	5.91E+07	-113181	57222	-67350
1537	1148782	4.27E+07	1.34E+08	45866	153039	40733
1538	1296312	-4.19E+07	-1.33E+08	-47469	-152015	-40712
1539	1150468	1.31E+08	4.71E+07	108124	53007	126514
1540	1294626	-1.30E+08	-4.60E+07	-109727	-51983	-126493
1541	1035577	4.07E+07	4.51E+07	37151	50781	38988
1542	1409517	-3.98E+07	-4.40E+07	-38754	-49757	-38968

Risultati combinazioni maggiormente gravose:

Cmb	N	Mx	My	t.v.	Nu	Mxu	Myu	ε cls	ε acciaio	Sd/Su	Ver
n.	daN	daN cm	daN cm		daN	daN cm	daN cm	%	%		
1537	1148782	4.27E+07	1.34E+08	P	2797955	1.04E+08	3.27E+08	0.350	0.779	0.410	Ok
8	2190775	1.56E+08	-3.67E+07	M	1.61E+07	1.56E+08	-3.67E+07	0.294	0.079	0.140	Ok
1537	1148782	4.27E+07	1.34E+08	N	1148782	7.11E+07	2.23E+08	0.350	1.412	0.600	Ok

14.1.2. VERIFICA A TAGLIO

VERIFICA TAGLIO LONGITUDINALE (DIR.X)

VERIFICA SLU A TAGLIO PER ELEMENTI CON ARMATURA A TAGLIO				
<u>Calcolo del taglio resistente</u>				
classe cls		Rck	40.00	N/mm ²
resist. caratteristica cilindrica		fck	33.20	N/mm ²
coeff riduttivo per carichi lunga durata		α,cc	0.85	
coeff. parziale		γc	1.50	
resist. di calcolo a compressione		fcd	18.81	N/mm ²
resist. media trazione cls (trazione semplice)		fctm	3.10	N/mm ²
resist. media trazione cls (flessione)		fcfm	3.72	N/mm ²
resist. caratteristica a trazione cls (flessione)		fcfk	2.60	N/mm ²
resist.caratt. snerv.acciaio		fyk	450	N/mm ²
coeff. parziale		γs	1.15	
resistenza di progetto		fyd	391.30	N/mm ²
altezza membratura resistente a V		D	2.00	m
altezza utile sezione		d	1.92	m
larghezza membratura resist. a V		bw	4.50	m
diametro staffe 1		Ds (1)	12	mm
n bracci staffe 1		nb (1)	6	
interasse staffe 1		s (1)	20	cm
diametro staffe 2		Ds (2)	0	mm
n bracci staffe 2		nb (2)	0	
interasse staffe 2		s (2)	4	cm
area staffe 1		Asw (1)	679	
area staffe 2		Asw (2)	0	mm ²
inclinazione staffe rispetto asse		α	90	°
inclinazione bielle compresse cls		θ	22	°
coefficiente maggiorativo per compressione		α,c	1	
Resistenza taglio acciaio		Vrsd	5678	kN
Resistenza taglio cls		Vrzd	25406	kN
Resistenza a taglio		Vrd	5678	kN
TAGLIO AGENTE		Vsdu	1530	kN
			ok	
			F.S. =	3.71

VERIFICA TAGLIO TRASVERSALE (DIR.Y)

VERIFICA SLU A TAGLIO PER ELEMENTI CON ARMATURA A TAGLIO				
<u>Calcolo del taglio resistente</u>				
classe cls		Rck	40.00	N/mm ²
resist. caratteristica cilindrica		fck	33.20	N/mm ²
coeff riduttivo per carichi lunga durata		α_{cc}	0.85	
coeff. parziale		γ_c	1.50	
resist. di calcolo a compressione		fcd	18.81	N/mm ²
resist. media trazione cls (trazione semplice)		fctm	3.10	N/mm ²
resist. media trazione cls (flessione)		fctm	3.72	N/mm ²
resist. caratteristica a trazione cls (flessione)		fck	2.60	N/mm ²
resist.caratt. snerv.acciaio		fyk	450	N/mm ²
coeff. parziale		γ_s	1.15	
resistenza di progetto		fyd	391.30	N/mm ²
altezza membratura resistente a V		D	4.50	m
altezza utile sezione		d	4.42	m
larghezza membratura resist. a V		bw	2.00	m
diametro staffe 1		Ds (1)	12	mm
n bracci staffe 1		nb (1)	4	
interasse staffe 1		s (1)	20	cm
diametro staffe 2		Ds (2)	0	mm
n bracci staffe 2		nb (2)	0	
interasse staffe 2		s (2)	4	cm
area staffe 1		Asw (1)	452	
area staffe 2		Asw (2)	0	mm ²
inclinazione staffe rispetto asse		α	90	°
inclinazione bielle compresse cls		θ	22	°
coefficiente maggiorativo per compressione		α_c	1	
Resistenza taglio acciaio		Vrsd	8715	kN
Resistenza taglio cls		Vrcd	25994	kN
Resistenza a taglio		Vrd	8715	kN
TAGLIO AGENTE		Vsdu	1265	kN
			ok	
			F.S. =	6.89

14.2. PULVINO

Ipotizzando la presenza delle medesime armature previste per il pulvino della pila 2 (un doppio strato di $\phi 26$, per un totale di $20+10=30$ ferri disposti in una larghezza di 2.00 m.) la verifica del pulvino si considera automaticamente soddisfatta in quanto gli sforzi assiali e di taglio risultano simili ma comunque inferiori a quelli ottenuti per la pila 2.

14.3. PLINTO DI FONDAZIONE

Per ciascuna direzione (longitudinale e trasversale) si individua una mensola fittizia con incastro posizionato in corrispondenza dell'innesto della pila.

Considerando le azioni medie sugli allineamenti dei pali, distribuite sulla lunghezza (e larghezza) del plinto, e sottraendo il peso proprio della mensola è possibile ottenere il taglio di progetto sul plinto. Moltiplicando tale azione per la distanza dei pali dall'innesto della pila e sottraendo il momento dovuto al peso proprio della mensola si ottiene il momento flettente di progetto del plinto.

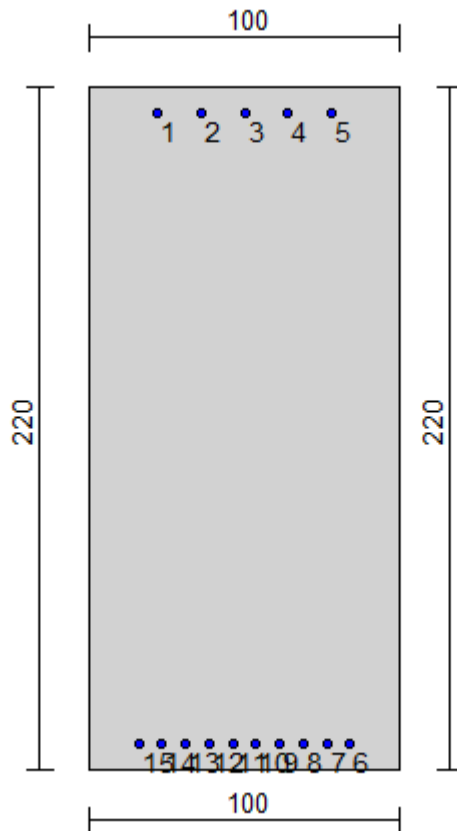
Di seguito si riportano le azioni di progetto ottenute per il plinto della pila 1; si esegue la verifica con le massime sollecitazioni sui pali.

MENSOLA LONGITUDINALE			MENSOLA TRASVERSALE		
numero pali linea più esterna		3	numero pali linea più esterna		2
larghezza mensola [m]		9.6	larghezza mensola [m]		6
lunghezza mensola [m]		2	lunghezza mensola [m]		2.55
braccio palo-pila [m]		0.8	braccio palo-pila [m]		1.35
altezza sezione [m]		2.2	altezza sezione [m]		2.2
LONGITUDINALE -SLU			TRASVERSALE -SLU		
MED (kNm/m)	1095		MED (kNm/m)	2345	
VED (kN/m)	1396		VED (kN/m)	1729	
LONGITUDINALE -SLE-R			TRASVERSALE -SLE-R		
MED (kNm/m)	777		MED (kNm/m)	1671	
VED (kN/m)	999		VED (kN/m)	1230	
LONGITUDINALE -SLE-FR			TRASVERSALE -SLE-FR		
MED (kNm/m)	680		MED (kNm/m)	1235	
VED (kN/m)	878		VED (kN/m)	907	
LONGITUDINALE -SLE-QP			TRASVERSALE -SLE-QP		
MED (kNm/m)	596		MED (kNm/m)	993	
VED (kN/m)	772		VED (kN/m)	728	

Seguono le verifiche a pressoflessione e taglio del plinto.

DIREZIONE TRASVERSALE

VERIFICA A PRESSOFLESSIONE



Geometria della sezione:

Vertice	X	Y
n.	cm	cm
1	0.0	0.0
2	0.0	220.0
3	100.0	220.0
4	100.0	0.0

Armature:

Pos	X	Y	Area	Pretens.
n.	cm	cm	cmq	si / no
1	22.2	211.7	5.31	no
2	36.1	211.7	5.31	no
3	50.0	211.7	5.31	no
4	63.9	211.7	5.31	no
5	77.8	211.7	5.31	no
6	84.1	8.3	5.31	no
7	76.5	8.3	5.31	no
8	69.0	8.3	5.31	no
9	61.4	8.3	5.31	no
10	53.8	8.3	5.31	no
11	46.2	8.3	5.31	no
12	38.6	8.3	5.31	no
13	31.0	8.3	5.31	no
14	23.5	8.3	5.31	no
15	15.9	8.3	5.31	no

Normativa di riferimento:

D.M. 17/01/2018 - 'Norme tecniche per le costruzioni'

Note:

Verifiche SLE per ambiente ordinario

Materiali:

Calcestruzzo classe: C25/30

Rck (resistenza caratteristica cubica a compressione) = 300.00 daN/cm²
 fck (resistenza caratteristica cilindrica a compressione) = 249.00 daN/cm²
 fcd = 141.10 daN/cm² ($\alpha_{cc} = 0.85$; $\gamma_c = 1.50$)
 fctm (resistenza a trazione media) = 25.58 daN/cm²
 G (modulo di elasticità tangenziale) = 140389 daN/cm²
 E (modulo elastico istantaneo iniziale) = 314472 daN/cm²
 C. Poisson (coefficiente di contrazione trasversale) = 0.20
 Coefficiente di dilatazione termica = 0.000050
 Peso specifico del calcestruzzo armato = 2500 daN/mc

Barre d'acciaio ad aderenza migliorata tipo: B450C

fyk (tensione caratteristica di snervamento) = 4500 daN/cm²
 fyd = 3913 daN/cm² ($\gamma_a = 1.15$)
 fkt (tensione caratteristica di rottura) = 5400 daN/cm²
 ϵ_{uk} (deformazione di rottura) = 0.075
 G (modulo di elasticità tangenziale) = 770000 daN/cm²
 E (modulo elastico) = 2000000 daN/cm²
 C. Poisson (coefficiente di contrazione trasversale) = 0.30
 Coefficiente di dilatazione termica = 0.000012
 Peso specifico = 7850 daN/mc

Intersezioni del dominio con gli assi N, Mx e My:

asse N - (Mx = 0, My = 0) Nu = -3116.3 kN
 asse N + (Mx = 0, My = 0) Nu = 34158.3 kN
 asse Mx + (N = 0, My = 0) Mxu = 4269.7 kN m
 asse Mx - (N = 0, My = 0) Mxu = -2159.1 kN m
 asse My + (N = 0, Mx = 0) Myu = 1342.6 kN m
 asse My - (N = 0, Mx = 0) Myu = -1342.6 kN m

Verifiche stato limite ultimo:

Per ogni combinazione di carico saranno svolte le verifiche:
 Verifica per Mxu, Myu e Nu proporzionali (sigla t.v.= P)
 Verifica con rapporto Mxu, Myu assegnato (sigla t.v.= M)
 Verifica con Nu costante (sigla t.v.= N)

Verifiche SLU (verifica Ok per Sd/Su < 1)

Cmb	N	Mx	My	T	Vx	Vy
n.	kN m	kN m	kN	kN m	kN	kN
1	0.0	2345.0	0.0	0.0	0.0	0.0

Risultati combinazioni maggiormente gravose:

Cmb	N	Mx	My	t.v.	Nu	Mxu	Myu	ϵ_{cls}	$\epsilon_{acciaio}$	Sd/Su	Ver
n.	kN	kN m	kN m		kN	kN m	kN m	%	%		
1	0.0	2345.0	0.0	P	0.0	4269.7	0.0	0.350	5.521	0.550	Ok
1	0.0	2345.0	0.0	M	30211.2	2342.0	0.0	0.301	0.075	0.000	Ok
1	0.0	2345.0	0.0	N	0.0	4269.7	0.0	0.350	5.521	0.550	Ok

Verifiche stato limite di esercizio per c. c. rare:

Valori limite (tensioni: segno (+) = compressione, (-) = trazione):
 CLS: $\sigma_{cL} = 14940.0$ kN/m² (verifica Ok per $\sigma_c/\sigma_{cL} < 1$)
 Acciaio: $\sigma_{aL} = 360000.0$ kN/m² (verifica Ok per $\sigma_a/\sigma_{aL} < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	kN m	kN m	kN	kN m	kN	kN

2	1671.0	0.0	0.0	0.0	0.0	0.0
---	--------	-----	-----	-----	-----	-----

Risultati combinazioni maggiormente gravosa:

Cmb	Mx	My	N	σ_c	σ_c/σ_{cL}	σ_a	σ_a/σ_{aL}	Ver
n.	kN m	kN m	kN	kN/mq		kN/mq		
2	1671.0	0.0	0.0	3119.4	0.21	-160036.8	0.44	Ok

Verifiche stato limite di esercizio per c. c. frequenti:

Valori limite:

Fessure: $W_{kL} = 0.40$ mm (verifica Ok per $W_k/W_{kL} < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	kN m	kN m	kN	kN m	kN	kN
3	1235.0	0.0	0.0	0.0	0.0	0.0

Risultati combinazioni maggiormente gravosa:

Cmb	Mx	My	N	Wk	Wk/WkL	Ver
n.	kN m	kN m	kN	mm		
3	1235.0	0.0	0.0	0.00	0.00	Ok

Verifiche stato limite di esercizio per c. c. quasi permanenti:

Valori limite:

CLS: $\sigma_{cL} = 11205.0$ kN/mq (verifica Ok per $\sigma_c/\sigma_{cL} < 1$)

Fessure: $W_{kL} = 0.30$ mm (verifica Ok per $W_k/W_{kL} < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	kN m	kN m	kN	kN m	kN	kN
4	993.0	0.0	0.0	0.0	0.0	0.0

Risultati combinazioni maggiormente gravosa:

Cmb	Mx	My	N	σ_c	σ_c/σ_{cL}	Wk	Wk/WkL	Ver
n.	kN m	kN m	kN	kN/mq		mm		
4	993.0	0.0	0.0	1853.7	0.17	0.00	0.00	Ok

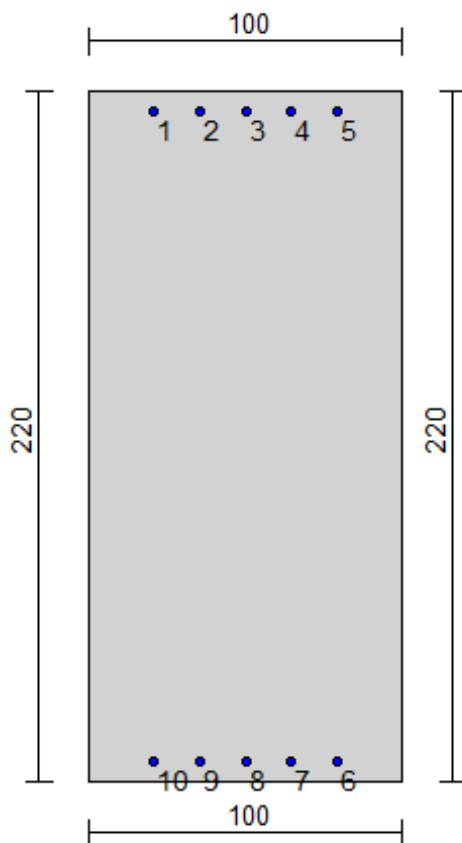
VERIFICA A TAGLIO

Si considera l'impiego di cavallotti $\phi 26/mq$

VERIFICA SLU A TAGLIO PER ELEMENTI CON ARMATURA A TAGLIO						
<u>Calcolo del taglio resistente</u>						
classe cls		Rck		30.00		N/mm ²
resist. caratteristica cilindrica		fck		24.90		N/mm ²
coeff riduttivo per carichi lunga durata		α_{cc}		0.85		
coeff. parziale		γ_c		1.50		
resist. di calcolo a compressione		fcd		14.11		N/mm ²
resist. media trazione cls (trazione semplice)		fctm		2.56		N/mm ²
resist. media trazione cls (flessione)		fctm		3.07		N/mm ²
resist. caratteristica a trazione cls (flessione)		fctk		2.15		N/mm ²
resist.caratt. snerv.acciaio		fyk		450		N/mm ²
coeff. parziale		γ_s		1.15		
resistenza di progetto		f_yd		391.30		N/mm ²
altezza membratura resistente a V		D		2.20		m
altezza utile sezione		d		2.10		m
larghezza membratura resist. a V		bw		1.00		m
diametro staffe 1		Ds (1)		26		mm
n bracci staffe 1		nb (1)		2		
interasse staffe 1		s (1)		100		cm
diametro staffe 2		Ds (2)		0		mm
n bracci staffe 2		nb (2)		0		
interasse staffe 2		s (2)		4		cm
area staffe 1		Asw (1)		1062		
area staffe 2		Asw (2)		0		mm ²
inclinazione staffe rispetto asse		α		90		°
inclinazione bielle compresse cls		θ		22		°
coefficiente maggiorativo per compressione		α_{cc}		1		
Resistenza taglio acciaio		V_{rsd}		1944		kN
Resistenza taglio cls		V_{rzd}		4631		kN
Resistenza a taglio		V_{rd}		1944		kN
TAGLIO AGENTE		V_{sdu}		1729		kN
				ok		
				F.S. =		1.12

DIREZIONE LONGITUDINALE

VERIFICA A PRESSOFLESSIONE



Geometria della sezione:

Vertice	X	Y
n.	cm	cm
1	0.0	0.0
2	0.0	220.0
3	100.0	220.0
4	100.0	0.0

Armature:

Pos	X	Y	Area	Pretens.
n.	cm	cm	cmq	sì / no
1	20.9	213.7	5.31	no
2	35.4	213.7	5.31	no
3	50.0	213.7	5.31	no
4	64.6	213.7	5.31	no
5	79.1	213.7	5.31	no
6	79.1	6.3	5.31	no
7	64.6	6.3	5.31	no
8	50.0	6.3	5.31	no
9	35.4	6.3	5.31	no
10	20.9	6.3	5.31	no

Normativa di riferimento:

D.M. 17/01/2018 - 'Norme tecniche per le costruzioni'

Note:

Verifiche SLE per ambiente ordinario

Materiali:

Calcestruzzo classe: C25/30

Rck (resistenza caratteristica cubica a compressione) = 300.00 daN/cm²

fck (resistenza caratteristica cilindrica a compressione) = 249.00 daN/cm²

$f_{cd} = 141.10 \text{ daN/cm}^2$ ($\alpha_{cc} = 0.85$; $\gamma_c = 1.50$)
 f_{ctm} (resistenza a trazione media) = 25.58 daN/cm²
 G (modulo di elasticità tangenziale) = 140389 daN/cm²
 E (modulo elastico istantaneo iniziale) = 314472 daN/cm²
 ν (coefficiente di contrazione trasversale) = 0.20
 Coefficiente di dilatazione termica = 0.000050
 Peso specifico del calcestruzzo armato = 2500 daN/mc

Barre d'acciaio ad aderenza migliorata tipo: B450C

f_{yk} (tensione caratteristica di snervamento) = 4500 daN/cm²

$f_{yd} = 3913 \text{ daN/cm}^2$ ($\gamma_a = 1.15$)

f_{kt} (tensione caratteristica di rottura) = 5400 daN/cm²

ϵ_{uk} (deformazione di rottura) = 0.075

G (modulo di elasticità tangenziale) = 770000 daN/cm²

E (modulo elastico) = 2000000 daN/cm²

ν (coefficiente di contrazione trasversale) = 0.30

Coefficiente di dilatazione termica = 0.000012

Peso specifico = 7850 daN/mc

Intersezioni del dominio con gli assi N, Mx e My:

asse N - ($M_x = 0$, $M_y = 0$)	$N_u = -2077.5 \text{ kN}$
asse N + ($M_x = 0$, $M_y = 0$)	$N_u = 33119.5 \text{ kN}$
asse Mx + ($N = 0$, $M_y = 0$)	$M_{xu} = 2181.6 \text{ kN m}$
asse Mx - ($N = 0$, $M_y = 0$)	$M_{xu} = -2181.6 \text{ kN m}$
asse My + ($N = 0$, $M_x = 0$)	$M_{yu} = 967.3 \text{ kN m}$
asse My - ($N = 0$, $M_x = 0$)	$M_{yu} = -967.3 \text{ kN m}$

Verifiche stato limite ultimo:

Per ogni combinazione di carico saranno svolte le verifiche:

Verifica per M_{xu} , M_{yu} e N_u proporzionali (sigla t.v.= P)

Verifica con rapporto M_{xu} , M_{yu} assegnato (sigla t.v.= M)

Verifica con N_u costante (sigla t.v.= N)

Verifiche SLU (verifica Ok per $S_d/S_u < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	kN	kN m	kN	kN m	kN	kN
1	0.0	1095.0	0.0	0.0	0.0	0.0

Risultati combinazioni maggiormente gravose:

Cmb	N	Mx	My	t.v.	Nu	Mxu	Myu	ϵ_{cls}	$\epsilon_{acciaio}$	Sd/Su	Ver
n.	kN	kN m	kN m		kN	kN m	kN m	%	%		
1	0.0	1095.0	0.0	P	0.0	2181.6	0.0	0.350	10.106	0.500	Ok
1	0.0	1095.0	0.0	M	31847.5	1092.6	0.0	0.259	0.126	0.000	Ok
1	0.0	1095.0	0.0	N	0.0	2181.6	0.0	0.350	10.106	0.500	Ok

Verifiche stato limite di esercizio per c. c. rare:

Valori limite (tensioni: segno (+) = compressione, (-) = trazione):

CLS: $\sigma_{cL} = 14940.0 \text{ kN/m}^2$ (verifica Ok per $\sigma_c/\sigma_{cL} < 1$)

Acciaio: $\sigma_{aL} = 360000.0 \text{ kN/m}^2$ (verifica Ok per $\sigma_a/\sigma_{aL} < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	kN	kN m	kN	kN m	kN	kN
2	777.0	0.0	0.0	0.0	0.0	0.0

Risultati combinazioni maggiormente gravosa:

Cmb	Mx	My	N	σ_c	σ_c/σ_{cL}	σ_a	σ_a/σ_{aL}	Ver
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n.	kN m	kN m	kN	kN/mq		kN/mq		
2	777.0	0.0	0.0	1860.0	0.12	-144196.8	0.40	Ok

Verifiche stato limite di esercizio per c. c. frequenti:

Valori limite:

Fessure: $WkL = 0.40$ mm (verifica Ok per $Wk/WkL < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	kN m	kN m	kN	kN m	kN	kN
3	680.0	0.0	0.0	0.0	0.0	0.0

Risultati combinazioni maggiormente gravosa:

Cmb	Mx	My	N	Wk	Wk/WkL	Ver
n.	kN m	kN m	kN	mm		
3	680.0	0.0	0.0	0.00	0.00	Ok

Verifiche stato limite di esercizio per c. c. quasi permanenti:

Valori limite:

CLS: $\sigma_{cL} = 11205.0$ kN/mq (verifica Ok per $\sigma_c/\sigma_{cL} < 1$)

Fessure: $WkL = 0.30$ mm (verifica Ok per $Wk/WkL < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	kN m	kN m	kN	kN m	kN	kN
4	596.0	0.0	0.0	0.0	0.0	0.0

Risultati combinazioni maggiormente gravosa:

Cmb	Mx	My	N	σ_c	σ_c/σ_{cL}	Wk	Wk/WkL	Ver
n.	kN m	kN m	kN	kN/mq		mm		
4	596.0	0.0	0.0	1426.7	0.13	0.00	0.00	Ok

VERIFICA A TAGLIO

Si considera l'impiego di cavallotti $\phi 26/mq$.

VERIFICA SLU A TAGLIO PER ELEMENTI CON ARMATURA A TAGLIO						
<u>Calcolo del taglio resistente</u>						
classe cls		Rck		30.00	N/mm ²	
resist. caratteristica cilindrica		fck		24.90	N/mm ²	
coeff riduttivo per carichi lunga durata		α, cc		0.85		
coeff. parziale		γ_c		1.50		
resist. di calcolo a compressione		fcd		14.11	N/mm ²	
resist. media trazione cls (trazione semplice)		fctm		2.56	N/mm ²	
resist. media trazione cls (flessione)		fctm		3.07	N/mm ²	
resist. caratteristica a trazione cls (flessione)		fck		2.15	N/mm ²	
resist.caratt. snerv.acciaio		fyk		450	N/mm ²	
coeff. parziale		γ_s		1.15		
resistenza di progetto		f _{yd}		391.30	N/mm ²	
altezza membratura resistente a V		D		2.20	m	
altezza utile sezione		d		2.10	m	
larghezza membratura resist. a V		bw		1.00	m	
diametro staffe 1		D _s (1)		26	mm	
n bracci staffe 1		n _b (1)		2		
interasse staffe 1		s (1)		100	cm	
diametro staffe 2		D _s (2)		0	mm	
n bracci staffe 2		n _b (2)		0		
interasse staffe 2		s (2)		4	cm	
area staffe 1		A _{sw} (1)		1062		
area staffe 2		A _{sw} (2)		0	mm ²	
inclinazione staffe rispetto asse		α		90	°	
inclinazione bielle compresse cls		θ		22	°	
coefficiente maggiorativo per compressione		α, c		1		
Resistenza taglio acciaio		V_{rsd}		1944	kN	
Resistenza taglio cls		V_{rzd}		4631	kN	
Resistenza a taglio		V_{rd}		1944	kN	
TAGLIO AGENTE		V_{sdu}		1396	kN	
				ok		
				F.S. =	1.39	

14.4. PALI DI FONDAZIONE

La fondazione è realizzata mediante una palificata composta da 8 pali $\phi 1200$ di lunghezza media 9.00 m e caratteristiche geometriche:

PALI	
n° =	6
$\Sigma y^2 =$	19.44 m ²
y max =	1.8 m
$\Sigma x^2 =$	51.84 m ²
x max =	3.6 m
N.B. x in trasversale	

I pali sono collegati tramite una platea di spessore 2.20 m.

PIANTA SPICCATO FONDAZIONI PILA 1

SCALA 1:50

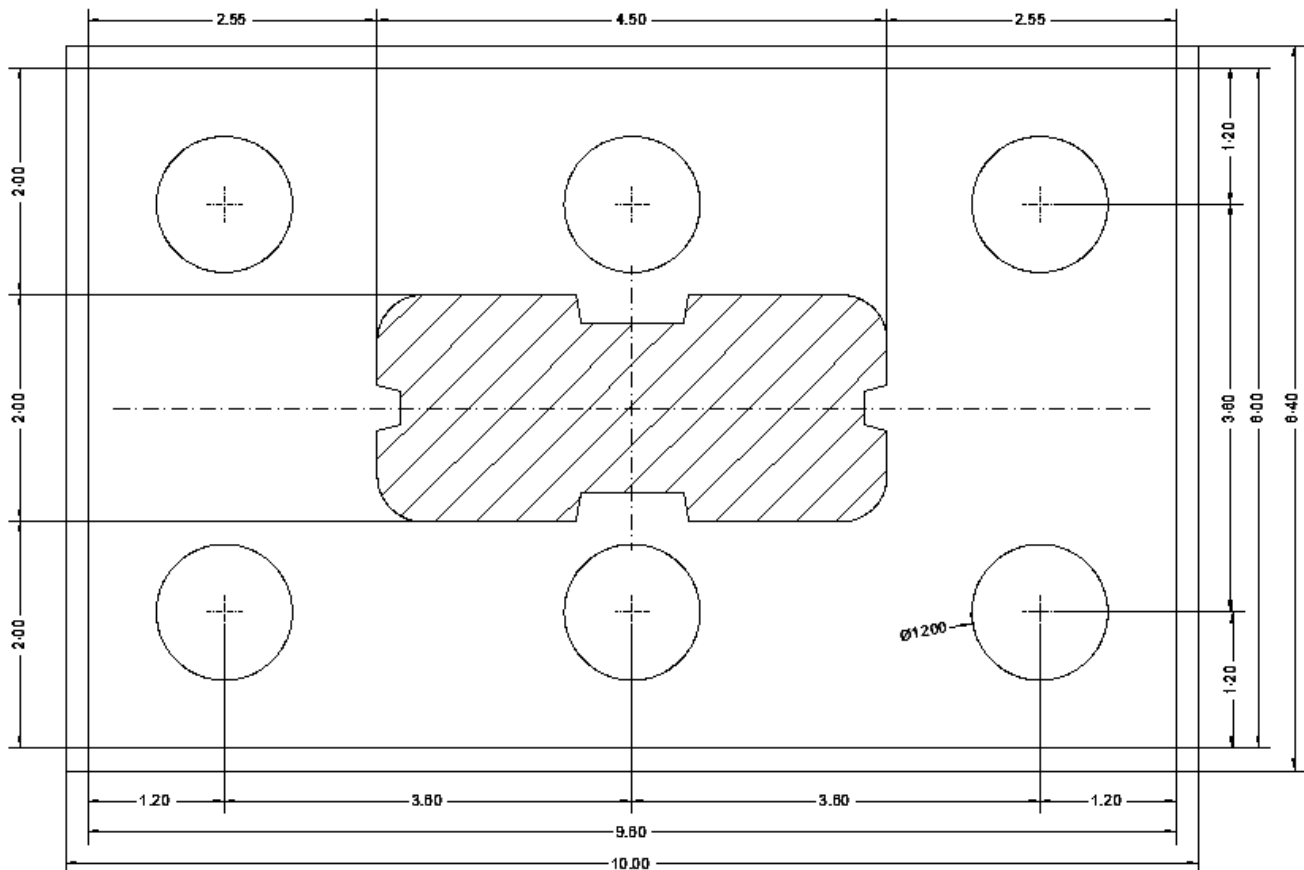


Figura 14-1 Geometria palificata pila 1

14.4.1. SOLLECITAZIONI AGENTI

NR	TIPO	Nmax (KN)	Nmin (KN)	T (KN)	M (KNm)
1	SLU-1	4450.38	2300.81	125.45	203.36
2	SLU-1	4907.53	3781.42	128.66	208.57
3	SLU-1	4921.30	2353.12	127.07	205.99
4	SLU-1	4582.58	3636.06	127.72	207.05
5	SLU-1	4708.33	3085.00	125.50	203.44
6	SLU-1	4783.48	3160.17	130.25	211.14
7	SLU-2	4480.43	2297.18	127.88	207.30
8	SLU-2	5963.95	2763.81	126.50	205.07
9	SLU-2	5957.38	2320.03	127.12	206.06
10	SLU-2	4538.83	2758.40	127.45	206.60
11	SLU-2	5240.39	2608.24	124.64	202.06
12	SLU-2	5395.60	2576.32	129.54	209.99
13	SLU-3	4431.39	2317.86	126.93	205.76
14	SLU-3	5944.17	2742.83	125.65	203.69
15	SLU-3	4496.88	2775.59	126.08	204.39
16	SLU-3	5906.55	2310.15	126.25	204.65
17	SLU-3	5170.48	2620.91	124.14	201.24
18	SLU-3	5381.64	2560.06	127.90	207.34
19	SLU-4	4427.55	2348.11	124.42	201.69
20	SLU-4	4913.09	3812.72	127.02	205.90
21	SLU-4	4535.09	3740.37	126.05	204.34
22	SLU-4	4910.12	2385.16	126.20	204.57
23	SLU-4	4676.47	3170.21	124.01	201.02
24	SLU-4	4801.62	3168.35	128.89	208.93
25	SLU-5	4398.82	2234.18	125.25	203.05
26	SLU-5	4855.97	3714.79	128.47	208.25
27	SLU-5	4869.75	2286.49	126.88	205.68
28	SLU-5	4510.03	3590.43	127.53	206.73
29	SLU-5	4656.78	3018.37	125.32	203.15
30	SLU-5	4731.93	3093.54	130.04	210.80
31	SLU-6	4428.87	2230.55	127.69	206.99
32	SLU-6	5912.39	2697.18	126.31	204.75
33	SLU-6	5905.83	2253.40	126.93	205.75
34	SLU-6	4487.27	2691.77	127.25	206.29
35	SLU-6	5188.84	2541.61	124.47	201.77
36	SLU-6	5344.04	2509.69	129.33	209.66
37	SLU-7	4358.84	2272.22	126.76	205.48
38	SLU-7	5871.62	2697.19	125.47	203.40
39	SLU-7	4424.33	2729.96	125.91	204.10
40	SLU-7	5833.99	2264.51	126.07	204.37
41	SLU-7	5097.92	2575.27	123.98	200.97
42	SLU-7	5309.09	2514.43	127.71	207.03
43	SLU-8	4355.00	2302.47	124.24	201.41
44	SLU-8	4840.54	3767.09	126.84	205.62
45	SLU-8	4483.53	3673.74	125.88	204.06

46	SLU-8	4837.56	2339.53	126.02	204.29
47	SLU-8	4603.91	3124.58	123.85	200.77
48	SLU-8	4729.07	3122.72	128.70	208.63
49	SLU-9	4485.86	2339.06	125.25	203.04
50	SLU-9	4943.01	3819.66	128.46	208.25
51	SLU-9	4956.78	2391.36	126.87	205.67
52	SLU-9	4614.40	3677.96	127.52	206.73
53	SLU-9	4743.81	3123.24	125.31	203.14
54	SLU-9	4818.96	3198.41	130.03	210.79
55	SLU-10	4515.91	2335.42	127.69	206.99
56	SLU-10	5999.43	2802.05	126.30	204.74
57	SLU-10	5992.86	2358.27	126.92	205.75
58	SLU-10	4574.31	2796.65	127.25	206.28
59	SLU-10	5275.87	2646.48	124.46	201.76
60	SLU-10	5431.08	2614.56	129.33	209.65
61	SLU-11	4463.21	2359.75	126.73	205.44
62	SLU-11	5976.00	2784.72	125.45	203.36
63	SLU-11	4528.71	2817.49	125.88	204.06
64	SLU-11	5938.37	2352.04	126.04	204.32
65	SLU-11	5202.30	2662.80	123.95	200.93
66	SLU-11	5413.47	2601.96	127.68	206.98
67	SLU-12	4459.38	2390.00	124.22	201.36
68	SLU-12	4944.91	3854.62	126.82	205.58
69	SLU-12	4570.57	3778.61	125.85	204.02
70	SLU-12	4941.94	2427.06	125.99	204.24
71	SLU-12	4708.29	3212.11	123.82	200.73
72	SLU-12	4833.45	3210.25	128.67	208.58
73	SLU-13	4434.30	2272.42	125.06	202.73
74	SLU-13	4891.45	3753.03	128.27	207.93
75	SLU-13	4905.22	2324.73	126.68	205.36
76	SLU-13	4541.85	3632.33	127.33	206.41
77	SLU-13	4692.26	3056.61	125.14	202.85
78	SLU-13	4767.41	3131.78	129.83	210.46
79	SLU-14	4464.35	2268.79	127.50	206.69
80	SLU-14	5947.87	2735.42	126.11	204.43
81	SLU-14	5941.30	2291.64	126.73	205.44
82	SLU-14	4522.75	2730.01	127.06	205.97
83	SLU-14	5224.31	2579.85	124.29	201.48
84	SLU-14	5379.52	2547.93	129.12	209.32
85	SLU-15	4390.66	2314.12	126.56	205.17
86	SLU-15	5903.44	2739.09	125.27	203.07
87	SLU-15	4456.15	2771.85	125.71	203.78
88	SLU-15	5865.81	2306.41	125.87	204.04
89	SLU-15	5129.74	2617.17	123.79	200.67
90	SLU-15	5340.91	2556.32	127.49	206.68
91	SLU-16	4386.82	2344.37	124.04	201.08
92	SLU-16	4872.36	3808.98	126.64	205.30
93	SLU-16	4519.01	3711.98	125.68	203.73
94	SLU-16	4869.39	2381.43	125.82	203.96

95	SLU-16	4635.73	3166.47	123.66	200.47
96	SLU-16	4760.89	3164.61	128.48	208.28
97	SLU-17	3575.26	1424.93	125.47	203.39
98	SLU-17	4032.41	2905.53	128.68	208.60
99	SLU-17	4046.18	1477.24	127.09	206.02
100	SLU-17	3707.32	2760.32	127.74	207.08
101	SLU-17	3833.21	2209.11	125.52	203.47
102	SLU-17	3908.36	2284.29	130.27	211.17
103	SLU-18	3605.31	1421.30	127.90	207.33
104	SLU-18	5088.83	1887.92	126.52	205.10
105	SLU-18	5082.26	1444.14	127.14	206.10
106	SLU-18	3663.71	1882.52	127.47	206.63
107	SLU-18	4365.27	1732.35	124.66	202.09
108	SLU-18	4520.48	1700.43	129.56	210.03
109	SLU-19	3556.13	1442.11	126.95	205.79
110	SLU-19	5068.91	1867.08	125.67	203.72
111	SLU-19	3621.62	1899.85	126.10	204.42
112	SLU-19	5031.28	1434.40	126.27	204.69
113	SLU-19	4295.21	1745.16	124.16	201.27
114	SLU-19	4506.38	1684.32	127.92	207.37
115	SLU-20	3552.29	1472.36	124.44	201.72
116	SLU-20	4037.83	2936.97	127.04	205.93
117	SLU-20	3659.97	2864.48	126.07	204.37
118	SLU-20	4034.86	1509.42	126.22	204.60
119	SLU-20	3801.20	2294.47	124.02	201.05
120	SLU-20	3926.36	2292.60	128.91	208.97
121	SLU-21	3523.70	1358.30	125.27	203.08
122	SLU-21	3980.85	2838.90	128.49	208.29
123	SLU-21	3994.63	1410.60	126.90	205.71
124	SLU-21	3634.76	2714.68	127.55	206.77
125	SLU-21	3781.66	2142.48	125.34	203.18
126	SLU-21	3856.81	2217.66	130.06	210.84
127	SLU-22	3553.75	1354.67	127.71	207.03
128	SLU-22	5037.27	1821.29	126.33	204.78
129	SLU-22	5030.71	1377.51	126.94	205.79
130	SLU-22	3612.15	1815.89	127.27	206.32
131	SLU-22	4313.71	1665.72	124.49	201.80
132	SLU-22	4468.92	1633.80	129.36	209.70
133	SLU-23	3483.57	1396.48	126.78	205.51
134	SLU-23	4996.36	1821.44	125.49	203.43
135	SLU-23	3549.07	1854.21	125.93	204.13
136	SLU-23	4958.73	1388.77	126.09	204.40
137	SLU-23	4222.66	1699.53	123.99	201.00
138	SLU-23	4433.83	1638.68	127.73	207.06
139	SLU-24	3479.74	1426.72	124.26	201.44
140	SLU-24	3965.28	2891.34	126.86	205.65
141	SLU-24	3608.41	2797.85	125.90	204.09
142	SLU-24	3962.30	1463.78	126.04	204.32
143	SLU-24	3728.65	2248.83	123.86	200.79

144	SLU-24	3853.81	2246.97	128.72	208.66
145	SLU-25	3610.74	1463.17	125.27	203.07
146	SLU-25	4067.89	2943.78	128.48	208.28
147	SLU-25	4081.66	1515.48	126.89	205.70
148	SLU-25	3739.14	2802.21	127.54	206.76
149	SLU-25	3868.69	2247.35	125.33	203.17
150	SLU-25	3943.84	2322.53	130.06	210.83
151	SLU-26	3640.78	1459.54	127.70	207.02
152	SLU-26	5124.31	1926.16	126.32	204.78
153	SLU-26	5117.74	1482.38	126.94	205.78
154	SLU-26	3699.19	1920.76	127.27	206.31
155	SLU-26	4400.75	1770.59	124.48	201.79
156	SLU-26	4555.96	1738.67	129.35	209.68
157	SLU-27	3587.95	1484.01	126.75	205.47
158	SLU-27	5100.74	1908.98	125.47	203.39
159	SLU-27	3653.45	1941.74	125.90	204.09
160	SLU-27	5063.11	1476.30	126.06	204.35
161	SLU-27	4327.04	1787.06	123.97	200.96
162	SLU-27	4538.21	1726.21	127.70	207.02
163	SLU-28	3584.12	1514.26	124.24	201.39
164	SLU-28	4069.65	2978.87	126.83	205.61
165	SLU-28	3695.45	2902.73	125.87	204.05
166	SLU-28	4066.68	1551.31	126.01	204.27
167	SLU-28	3833.03	2336.36	123.84	200.75
168	SLU-28	3958.18	2334.50	128.69	208.61
169	SLU-29	3559.18	1396.54	125.08	202.76
170	SLU-29	4016.33	2877.14	128.29	207.97
171	SLU-29	4030.10	1448.85	126.70	205.39
172	SLU-29	3666.59	2756.58	127.35	206.45
173	SLU-29	3817.13	2180.72	125.15	202.88
174	SLU-29	3892.28	2255.90	129.85	210.50
175	SLU-30	3589.23	1392.91	127.52	206.72
176	SLU-30	5072.75	1859.53	126.13	204.46
177	SLU-30	5066.18	1415.75	126.75	205.47
178	SLU-30	3647.63	1854.13	127.08	206.00
179	SLU-30	4349.19	1703.96	124.31	201.51
180	SLU-30	4504.40	1672.04	129.14	209.35
181	SLU-31	3515.40	1438.37	126.58	205.20
182	SLU-31	5028.18	1863.34	125.29	203.10
183	SLU-31	3580.89	1896.11	125.73	203.81
184	SLU-31	4990.55	1430.66	125.88	204.07
185	SLU-31	4254.48	1741.42	123.81	200.70
186	SLU-31	4465.65	1680.58	127.51	206.71
187	SLU-32	3511.56	1468.62	124.06	201.11
188	SLU-32	3997.10	2933.24	126.66	205.33
189	SLU-32	3643.89	2836.09	125.70	203.76
190	SLU-32	3994.13	1505.68	125.84	203.99
191	SLU-32	3760.47	2290.73	123.68	200.50
192	SLU-32	3885.63	2288.87	128.50	208.31

193	SLU-33	4080.07	2750.85	109.14	176.93
194	SLU-33	4288.70	3533.29	110.41	178.98
195	SLU-33	4301.98	2788.31	109.83	178.05
196	SLU-33	4085.58	3516.74	110.09	178.46
197	SLU-33	4250.41	3160.01	110.20	178.65
198	SLU-33	4240.38	3224.75	110.30	178.81
199	SLU-34	4096.56	2749.11	110.62	179.33
200	SLU-34	4848.62	2989.72	109.42	177.38
201	SLU-34	4850.59	2775.59	109.80	177.99
202	SLU-34	4121.35	2988.43	109.96	178.26
203	SLU-34	4546.00	2891.99	109.74	177.90
204	SLU-34	4566.59	2915.82	109.67	177.79
205	SLU-35	4189.30	2639.67	118.58	192.22
206	SLU-35	4955.52	2864.53	117.25	190.07
207	SLU-35	4219.18	2869.16	117.85	191.05
208	SLU-35	4940.99	2659.38	117.57	190.59
209	SLU-35	4621.93	2786.54	117.66	190.73
210	SLU-35	4645.10	2818.08	117.29	190.14
211	SLU-36	4187.61	2656.11	117.10	189.83
212	SLU-36	4419.63	3416.76	118.27	191.72
213	SLU-36	4205.28	3418.95	117.89	191.11
214	SLU-36	4415.04	2692.79	117.71	190.82
215	SLU-36	4363.75	3072.28	118.19	191.59
216	SLU-36	4336.16	3144.30	117.92	191.16
217	SLU-37	4034.43	2678.30	109.15	176.94
218	SLU-37	4243.06	3460.74	110.41	178.98
219	SLU-37	4256.35	2715.75	109.84	178.05
220	SLU-37	4039.94	3444.19	110.09	178.47
221	SLU-37	4204.77	3087.45	110.21	178.66
222	SLU-37	4188.82	3158.12	110.29	178.79
223	SLU-38	4050.93	2676.56	110.63	179.33
224	SLU-38	4802.99	2917.17	109.42	177.38
225	SLU-38	4804.96	2703.04	109.80	177.99
226	SLU-38	4075.72	2915.88	109.96	178.26
227	SLU-38	4500.36	2819.44	109.76	177.93
228	SLU-38	4515.04	2849.18	109.66	177.77
229	SLU-39	4122.67	2588.11	118.60	192.26
230	SLU-39	4888.89	2812.97	117.27	190.10
231	SLU-39	4152.55	2817.60	117.88	191.09
232	SLU-39	4874.36	2607.82	117.59	190.63
233	SLU-39	4555.29	2734.98	117.69	190.78
234	SLU-39	4578.47	2766.53	117.30	190.16
235	SLU-40	4120.98	2604.56	117.13	189.87
236	SLU-40	4353.00	3365.20	118.29	191.75
237	SLU-40	4138.65	3367.40	117.91	191.14
238	SLU-40	4348.41	2641.24	117.73	190.85
239	SLU-40	4297.12	3020.73	118.22	191.64
240	SLU-40	4269.53	3092.74	117.93	191.17
241	SLU-41	4121.96	2782.68	109.16	176.96

242	SLU-41	4330.60	3565.12	110.42	179.00
243	SLU-41	4343.88	2820.13	109.85	178.08
244	SLU-41	4127.47	3548.56	110.11	178.49
245	SLU-41	4292.30	3191.83	110.23	178.69
246	SLU-41	4275.86	3262.99	110.31	178.81
247	SLU-42	4138.46	2780.93	110.64	179.36
248	SLU-42	4890.52	3021.54	109.43	177.40
249	SLU-42	4892.49	2807.41	109.81	178.01
250	SLU-42	4163.25	3020.26	109.98	178.28
251	SLU-42	4587.89	2923.82	109.77	177.95
252	SLU-42	4602.07	2954.06	109.68	177.79
253	SLU-43	4227.54	2675.14	118.59	192.24
254	SLU-43	4993.76	2900.00	117.26	190.09
255	SLU-43	4257.42	2904.64	117.87	191.07
256	SLU-43	4979.23	2694.86	117.58	190.61
257	SLU-43	4660.17	2822.02	117.68	190.76
258	SLU-43	4683.34	2853.56	117.29	190.14
259	SLU-44	4225.85	2691.59	117.12	189.85
260	SLU-44	4457.87	3452.24	118.28	191.73
261	SLU-44	4243.52	3454.43	117.90	191.12
262	SLU-44	4453.28	2728.27	117.72	190.83
263	SLU-44	4401.99	3107.76	118.21	191.62
264	SLU-44	4374.40	3179.78	117.92	191.16
265	SLU-45	4076.33	2710.12	109.17	176.97
266	SLU-45	4284.96	3492.56	110.42	179.01
267	SLU-45	4298.24	2747.58	109.86	178.08
268	SLU-45	4081.84	3476.01	110.11	178.49
269	SLU-45	4246.67	3119.28	110.24	178.71
270	SLU-45	4224.30	3196.36	110.30	178.80
271	SLU-46	4092.82	2708.38	110.65	179.37
272	SLU-46	4844.88	2948.99	109.44	177.41
273	SLU-46	4846.85	2734.86	109.82	178.02
274	SLU-46	4117.61	2947.70	109.98	178.29
275	SLU-46	4542.26	2851.26	109.79	177.98
276	SLU-46	4550.51	2887.43	109.67	177.78
277	SLU-47	4160.91	2623.59	118.62	192.28
278	SLU-47	4927.13	2848.45	117.28	190.12
279	SLU-47	4190.79	2853.08	117.89	191.11
280	SLU-47	4912.60	2643.30	117.61	190.65
281	SLU-47	4593.54	2770.46	117.71	190.82
282	SLU-47	4616.71	2802.00	117.31	190.16
283	SLU-48	4159.22	2640.03	117.14	189.90
284	SLU-48	4391.24	3400.68	118.30	191.77
285	SLU-48	4176.89	3402.88	117.92	191.16
286	SLU-48	4386.65	2676.71	117.74	190.87
287	SLU-48	4335.36	3056.20	118.24	191.68
288	SLU-48	4307.77	3128.22	117.93	191.18
289	SLU-49	4930.33	1901.27	164.27	266.29
290	SLU-49	5155.19	2667.49	165.97	269.05

291	SLU-49	5159.82	1931.15	165.14	267.70
292	SLU-49	4950.05	2652.96	165.65	268.53
293	SLU-49	5077.21	2333.90	163.81	265.55
294	SLU-49	5108.75	2357.07	167.59	271.67
295	SLU-50	4946.78	1899.58	165.30	267.96
296	SLU-50	5707.42	2131.60	164.89	267.31
297	SLU-50	5709.62	1917.25	165.17	267.75
298	SLU-50	4983.46	2127.01	165.44	268.19
299	SLU-50	5362.95	2075.72	162.99	264.21
300	SLU-50	5434.97	2048.13	167.27	271.15
301	SLU-51	4873.06	1956.60	157.96	256.06
302	SLU-51	5655.50	2165.23	157.87	255.92
303	SLU-51	4910.51	2178.51	157.84	255.87
304	SLU-51	5638.95	1962.11	157.99	256.12
305	SLU-51	5282.21	2126.94	156.05	252.97
306	SLU-51	5378.76	2085.10	159.67	258.84
307	SLU-52	4871.31	1973.09	156.90	254.35
308	SLU-52	5111.92	2725.15	158.19	256.43
309	SLU-52	4897.80	2727.12	157.93	256.01
310	SLU-52	5110.64	1997.88	157.97	256.07
311	SLU-52	5014.20	2422.53	155.91	252.73
312	SLU-52	5072.12	2409.02	160.23	259.75
313	SLU-53	4878.77	1834.64	163.97	265.81
314	SLU-53	5103.64	2600.86	165.68	268.57
315	SLU-53	5108.27	1864.52	164.84	267.21
316	SLU-53	4898.49	2586.33	165.35	268.05
317	SLU-53	5025.65	2267.26	163.52	265.08
318	SLU-53	5057.19	2290.44	167.29	271.18
319	SLU-54	4895.22	1832.95	165.01	267.48
320	SLU-54	5655.87	2064.97	164.60	266.82
321	SLU-54	5658.06	1850.62	164.87	267.27
322	SLU-54	4931.90	2060.38	165.14	267.71
323	SLU-54	5311.39	2009.09	162.69	263.74
324	SLU-54	5383.41	1981.50	166.97	270.67
325	SLU-55	4800.50	1910.96	157.66	255.58
326	SLU-55	5582.95	2119.59	157.57	255.43
327	SLU-55	4837.96	2132.88	157.54	255.39
328	SLU-55	5566.39	1916.47	157.69	255.63
329	SLU-55	5209.66	2081.30	155.76	252.49
330	SLU-55	5306.21	2039.47	159.37	258.35
331	SLU-56	4798.76	1927.46	156.61	253.87
332	SLU-56	5039.37	2679.52	157.89	255.95
333	SLU-56	4825.24	2681.49	157.63	255.53
334	SLU-56	5038.08	1952.25	157.67	255.59
335	SLU-56	4941.64	2376.89	155.61	252.26
336	SLU-56	4999.57	2363.39	159.93	259.26
337	SLU-57	4965.81	1939.51	163.96	265.78
338	SLU-57	5190.67	2705.73	165.66	268.54
339	SLU-57	5195.30	1969.39	164.82	267.19

340	SLU-57	4985.52	2691.20	165.34	268.02
341	SLU-57	5112.68	2372.14	163.50	265.05
342	SLU-57	5144.23	2395.31	167.27	271.16
343	SLU-58	4982.26	1937.82	164.99	267.46
344	SLU-58	5742.90	2169.84	164.58	266.80
345	SLU-58	5745.10	1955.49	164.85	267.24
346	SLU-58	5018.94	2165.25	165.13	267.68
347	SLU-58	5398.43	2113.96	162.68	263.71
348	SLU-58	5470.44	2086.37	166.95	270.64
349	SLU-59	4904.88	1998.49	157.63	255.52
350	SLU-59	5687.32	2207.13	157.54	255.38
351	SLU-59	4942.34	2220.41	157.51	255.34
352	SLU-59	5670.77	2004.00	157.66	255.58
353	SLU-59	5314.04	2168.83	155.72	252.44
354	SLU-59	5410.59	2127.00	159.34	258.29
355	SLU-60	4903.14	2014.99	156.57	253.81
356	SLU-60	5143.75	2767.05	157.85	255.89
357	SLU-60	4929.62	2769.02	157.60	255.48
358	SLU-60	5142.46	2039.78	157.63	255.53
359	SLU-60	5046.02	2464.42	155.58	252.20
360	SLU-60	5103.95	2450.92	159.90	259.20
361	SLU-61	4914.25	1872.88	163.66	265.30
362	SLU-61	5139.11	2639.10	165.36	268.06
363	SLU-61	5143.75	1902.76	164.52	266.71
364	SLU-61	4933.97	2624.57	165.04	267.54
365	SLU-61	5061.13	2305.51	163.21	264.57
366	SLU-61	5092.67	2328.68	166.97	270.67
367	SLU-62	4930.70	1871.19	164.69	266.98
368	SLU-62	5691.35	2103.21	164.28	266.31
369	SLU-62	5693.54	1888.86	164.56	266.76
370	SLU-62	4967.38	2098.62	164.83	267.20
371	SLU-62	5346.87	2047.33	162.38	263.23
372	SLU-62	5418.89	2019.74	166.65	270.15
373	SLU-63	4832.33	1952.86	157.33	255.05
374	SLU-63	5614.77	2161.49	157.24	254.90
375	SLU-63	4869.78	2174.77	157.21	254.85
376	SLU-63	5598.22	1958.37	157.36	255.10
377	SLU-63	5241.48	2123.20	155.43	251.96
378	SLU-63	5338.03	2081.37	159.03	257.80
379	SLU-64	4830.58	1969.35	156.27	253.33
380	SLU-64	5071.19	2721.41	157.56	255.41
381	SLU-64	4857.07	2723.38	157.30	255.00
382	SLU-64	5069.91	1994.15	157.34	255.05
383	SLU-64	4973.47	2418.79	155.29	251.73
384	SLU-64	5031.39	2405.28	159.60	258.71
385	SLU-65	4641.51	2190.01	146.49	237.47
386	SLU-65	4866.37	2956.22	148.11	240.10
387	SLU-65	4871.00	2219.89	147.34	238.85
388	SLU-65	4661.22	2941.69	147.76	239.54

389	SLU-65	4788.38	2622.63	146.78	237.95
390	SLU-65	4819.93	2645.80	148.96	241.48
391	SLU-66	4657.96	2188.31	147.84	239.66
392	SLU-66	5418.60	2420.34	146.99	238.28
393	SLU-66	5420.80	2205.98	147.34	238.85
394	SLU-66	4694.64	2415.75	147.58	239.23
395	SLU-66	5074.13	2364.46	146.08	236.80
396	SLU-66	5146.14	2336.87	148.46	240.66
397	SLU-67	4335.47	2494.10	106.92	173.33
398	SLU-67	5117.91	2702.73	106.39	172.47
399	SLU-67	4372.92	2716.02	106.58	172.78
400	SLU-67	5101.36	2499.61	106.60	172.80
401	SLU-67	4744.63	2664.44	105.21	170.56
402	SLU-67	4841.17	2622.61	107.73	174.64
403	SLU-68	4333.73	2510.59	105.63	171.24
404	SLU-68	4574.34	3262.65	106.98	173.42
405	SLU-68	4360.21	3264.62	106.66	172.90
406	SLU-68	4573.05	2535.39	106.62	172.84
407	SLU-68	4476.61	2960.03	105.30	170.69
408	SLU-68	4534.53	2946.52	108.36	175.66
409	SLU-69	4589.95	2123.38	146.33	237.20
410	SLU-69	4814.81	2889.59	147.94	239.83
411	SLU-69	4819.44	2153.26	147.17	238.58
412	SLU-69	4609.67	2875.06	147.60	239.26
413	SLU-69	4736.82	2556.00	146.62	237.69
414	SLU-69	4768.37	2579.17	148.79	241.20
415	SLU-70	4606.40	2121.68	147.68	239.40
416	SLU-70	5367.04	2353.71	146.82	238.01
417	SLU-70	5369.24	2139.35	147.17	238.58
418	SLU-70	4643.08	2349.12	147.41	238.96
419	SLU-70	5022.57	2297.83	145.92	236.54
420	SLU-70	5094.59	2270.24	148.28	240.38
421	SLU-71	4262.92	2448.46	106.72	173.00
422	SLU-71	5045.36	2657.10	106.18	172.13
423	SLU-71	4300.37	2670.38	106.38	172.44
424	SLU-71	5028.80	2453.97	106.39	172.46
425	SLU-71	4672.07	2618.81	105.01	170.23
426	SLU-71	4768.62	2576.97	107.51	174.29
427	SLU-72	4261.17	2464.96	105.43	170.90
428	SLU-72	4501.78	3217.02	106.77	173.08
429	SLU-72	4287.65	3218.99	106.45	172.56
430	SLU-72	4500.50	2489.75	106.41	172.50
431	SLU-72	4404.06	2914.39	105.10	170.37
432	SLU-72	4461.98	2900.89	108.14	175.30
433	SLU-73	4676.99	2228.25	146.32	237.20
434	SLU-73	4901.85	2994.47	147.94	239.82
435	SLU-73	4906.48	2258.13	147.17	238.57
436	SLU-73	4696.70	2979.94	147.59	239.26
437	SLU-73	4823.86	2660.87	146.62	237.68

438	SLU-73	4855.40	2684.05	148.79	241.19
439	SLU-74	4693.44	2226.56	147.68	239.39
440	SLU-74	5454.08	2458.58	146.82	238.00
441	SLU-74	5456.28	2244.23	147.17	238.57
442	SLU-74	4730.11	2453.99	147.41	238.96
443	SLU-74	5109.61	2402.70	145.92	236.54
444	SLU-74	5181.62	2375.11	148.28	240.37
445	SLU-75	4367.29	2535.99	106.69	172.95
446	SLU-75	5149.73	2744.63	106.15	172.08
447	SLU-75	4404.75	2757.91	106.35	172.40
448	SLU-75	5133.18	2541.51	106.36	172.41
449	SLU-75	4776.45	2706.34	104.98	170.18
450	SLU-75	4873.00	2664.50	107.48	174.24
451	SLU-76	4365.55	2552.49	105.40	170.86
452	SLU-76	4606.16	3304.55	106.74	173.04
453	SLU-76	4392.03	3306.52	106.42	172.52
454	SLU-76	4604.87	2577.28	106.39	172.46
455	SLU-76	4508.43	3001.92	105.07	170.32
456	SLU-76	4566.36	2988.42	108.11	175.26
457	SLU-77	4625.43	2161.62	146.16	236.93
458	SLU-77	4850.29	2927.83	147.77	239.55
459	SLU-77	4854.92	2191.50	147.01	238.31
460	SLU-77	4645.14	2913.30	147.43	238.99
461	SLU-77	4772.30	2594.24	146.46	237.42
462	SLU-77	4803.85	2617.41	148.62	240.92
463	SLU-78	4641.88	2159.93	147.51	239.13
464	SLU-78	5402.52	2391.95	146.65	237.73
465	SLU-78	5404.72	2177.59	147.00	238.30
466	SLU-78	4678.56	2387.36	147.24	238.69
467	SLU-78	5058.05	2336.07	145.76	236.28
468	SLU-78	5130.06	2308.48	148.11	240.09
469	SLU-79	4294.74	2490.36	106.48	172.62
470	SLU-79	5077.18	2698.99	105.94	171.74
471	SLU-79	4332.19	2712.28	106.14	172.06
472	SLU-79	5060.63	2495.87	106.15	172.07
473	SLU-79	4703.89	2660.70	104.78	169.86
474	SLU-79	4800.44	2618.87	107.27	173.89
475	SLU-80	4293.00	2506.86	105.19	170.52
476	SLU-80	4533.61	3258.92	106.54	172.70
477	SLU-80	4319.48	3260.88	106.22	172.18
478	SLU-80	4532.32	2531.65	106.18	172.12
479	SLU-80	4435.88	2956.29	104.87	170.00
480	SLU-80	4493.80	2942.79	107.90	174.91
481	SLU-81	4510.71	2320.52	128.66	208.57
482	SLU-81	4735.57	3086.73	130.31	211.24
483	SLU-81	4740.21	2350.39	129.52	209.97
484	SLU-81	4530.43	3072.20	129.96	210.68
485	SLU-81	4657.59	2753.14	128.85	208.88
486	SLU-81	4689.13	2776.31	131.29	212.83

487	SLU-82	4527.16	2318.82	129.98	210.71
488	SLU-82	5287.81	2550.84	129.18	209.42
489	SLU-82	5290.00	2336.49	129.53	209.97
490	SLU-82	4563.84	2546.26	129.77	210.37
491	SLU-82	4943.33	2494.97	128.12	207.69
492	SLU-82	5015.35	2467.37	130.81	212.05
493	SLU-83	4455.10	2374.18	123.87	200.80
494	SLU-83	5237.54	2582.82	123.21	199.73
495	SLU-83	4492.55	2596.10	123.47	200.15
496	SLU-83	5220.98	2379.69	123.43	200.10
497	SLU-83	4864.25	2544.52	122.24	198.17
498	SLU-83	4960.80	2502.69	124.37	201.62
499	SLU-84	4453.35	2390.68	122.53	198.62
500	SLU-84	4693.96	3142.74	123.87	200.81
501	SLU-84	4479.83	3144.71	123.54	200.26
502	SLU-84	4692.67	2415.47	123.48	200.17
503	SLU-84	4596.23	2840.11	122.40	198.41
504	SLU-84	4654.16	2826.61	125.02	202.66
505	SLU-85	4459.15	2253.89	128.48	208.27
506	SLU-85	4684.02	3020.10	130.12	210.94
507	SLU-85	4688.65	2283.76	129.34	209.66
508	SLU-85	4478.87	3005.57	129.78	210.38
509	SLU-85	4606.03	2686.51	128.67	208.58
510	SLU-85	4637.57	2709.68	131.09	212.51
511	SLU-86	4475.60	2252.19	129.80	210.41
512	SLU-86	5236.25	2484.21	129.00	209.11
513	SLU-86	5238.44	2269.86	129.34	209.67
514	SLU-86	4512.28	2479.62	129.59	210.07
515	SLU-86	4891.77	2428.34	127.94	207.40
516	SLU-86	4963.79	2400.74	130.61	211.73
517	SLU-87	4382.54	2328.55	123.70	200.52
518	SLU-87	5164.98	2537.18	123.03	199.44
519	SLU-87	4420.00	2550.46	123.29	199.86
520	SLU-87	5148.43	2334.06	123.25	199.80
521	SLU-87	4791.70	2498.89	122.07	197.89
522	SLU-87	4888.25	2457.06	124.19	201.32
523	SLU-88	4380.80	2345.04	122.35	198.34
524	SLU-88	4621.41	3097.10	123.70	200.52
525	SLU-88	4407.28	3099.07	123.36	199.98
526	SLU-88	4620.12	2369.84	123.30	199.88
527	SLU-88	4523.68	2794.48	122.23	198.14
528	SLU-88	4581.61	2780.97	124.83	202.36
529	SLU-89	4546.19	2358.76	128.47	208.26
530	SLU-89	4771.05	3124.97	130.12	210.93
531	SLU-89	4775.68	2388.63	129.33	209.66
532	SLU-89	4565.91	3110.44	129.77	210.37
533	SLU-89	4693.06	2791.38	128.67	208.58
534	SLU-89	4724.61	2814.55	131.09	212.50
535	SLU-90	4562.64	2357.06	129.79	210.40

536	SLU-90	5323.28	2589.08	128.99	209.10
537	SLU-90	5325.48	2374.73	129.33	209.66
538	SLU-90	4599.32	2584.50	129.58	210.06
539	SLU-90	4978.81	2533.21	127.94	207.39
540	SLU-90	5050.82	2505.61	130.60	211.72
541	SLU-91	4486.92	2416.08	123.67	200.48
542	SLU-91	5269.36	2624.71	123.00	199.39
543	SLU-91	4524.37	2637.99	123.26	199.82
544	SLU-91	5252.81	2421.59	123.23	199.76
545	SLU-91	4896.07	2586.42	122.05	197.84
546	SLU-91	4992.62	2544.59	124.16	201.27
547	SLU-92	4485.17	2432.57	122.32	198.29
548	SLU-92	4725.78	3184.63	123.67	200.48
549	SLU-92	4511.66	3186.60	123.33	199.93
550	SLU-92	4724.50	2457.37	123.27	199.84
551	SLU-92	4628.06	2882.01	122.20	198.10
552	SLU-92	4685.98	2868.50	124.80	202.31
553	SLU-93	4494.63	2292.13	128.29	207.96
554	SLU-93	4719.49	3058.34	129.93	210.63
555	SLU-93	4724.13	2322.00	129.15	209.35
556	SLU-93	4514.35	3043.81	129.58	210.07
557	SLU-93	4641.51	2724.75	128.49	208.29
558	SLU-93	4673.05	2747.92	130.89	212.19
559	SLU-94	4511.08	2290.43	129.61	210.10
560	SLU-94	5271.73	2522.45	128.81	208.80
561	SLU-94	5273.92	2308.10	129.15	209.36
562	SLU-94	4547.76	2517.87	129.39	209.76
563	SLU-94	4927.25	2466.58	127.76	207.11
564	SLU-94	4999.27	2438.98	130.41	211.40
565	SLU-95	4414.36	2370.44	123.50	200.19
566	SLU-95	5196.81	2579.08	122.82	199.10
567	SLU-95	4451.82	2592.36	123.09	199.53
568	SLU-95	5180.25	2375.95	123.05	199.47
569	SLU-95	4823.52	2540.79	121.87	197.57
570	SLU-95	4920.07	2498.95	123.98	200.97
571	SLU-96	4412.62	2386.94	122.15	198.01
572	SLU-96	4653.23	3139.00	123.49	200.19
573	SLU-96	4439.10	3140.97	123.16	199.65
574	SLU-96	4651.94	2411.73	123.10	199.55
575	SLU-96	4555.50	2836.37	122.03	197.82
576	SLU-96	4613.43	2822.87	124.62	202.01
577	SLU-97	4969.72	1862.01	197.46	320.10
578	SLU-97	5194.58	2628.22	199.02	322.62
579	SLU-97	5199.21	1891.89	198.29	321.43
580	SLU-97	4989.44	2613.69	198.67	322.07
581	SLU-97	5116.59	2294.63	197.94	320.88
582	SLU-97	5148.14	2317.80	199.64	323.63
583	SLU-98	4986.17	1860.31	198.87	322.38
584	SLU-98	5746.81	2092.34	197.91	320.83

585	SLU-98	5749.01	1877.98	198.27	321.42
586	SLU-98	5022.85	2087.75	198.50	321.78
587	SLU-98	5402.34	2036.46	197.28	319.81
588	SLU-98	5474.35	2008.86	199.10	322.75
589	SLU-99	4919.62	1908.86	197.70	320.48
590	SLU-99	5702.06	2117.49	196.77	318.98
591	SLU-99	4957.08	2130.77	197.16	319.62
592	SLU-99	5685.51	1914.37	197.04	319.41
593	SLU-99	5328.78	2079.20	196.28	318.18
594	SLU-99	5425.33	2037.36	197.54	320.22
595	SLU-100	4917.88	1925.35	196.27	318.16
596	SLU-100	5158.49	2677.41	197.58	320.30
597	SLU-100	4944.36	2679.38	197.22	319.71
598	SLU-100	5157.20	1950.14	197.12	319.54
599	SLU-100	5060.76	2374.79	196.57	318.66
600	SLU-100	5118.69	2361.28	198.19	321.28
601	SLU-101	4918.16	1795.38	197.34	319.89
602	SLU-101	5143.02	2561.59	198.89	322.42
603	SLU-101	5147.66	1825.26	198.16	321.23
604	SLU-101	4937.88	2547.06	198.55	321.86
605	SLU-101	5065.04	2228.00	197.82	320.68
606	SLU-101	5096.58	2251.17	199.51	323.42
607	SLU-102	4934.61	1793.68	198.74	322.17
608	SLU-102	5695.26	2025.71	197.78	320.62
609	SLU-102	5697.45	1811.35	198.15	321.21
610	SLU-102	4971.29	2021.12	198.37	321.58
611	SLU-102	5350.78	1969.83	197.16	319.61
612	SLU-102	5422.80	1942.23	198.96	322.53
613	SLU-103	4847.07	1863.22	197.59	320.31
614	SLU-103	5629.51	2071.85	196.66	318.80
615	SLU-103	4884.52	2085.14	197.06	319.44
616	SLU-103	5612.96	1868.73	196.93	319.23
617	SLU-103	5256.22	2033.56	196.18	318.01
618	SLU-103	5352.77	1991.73	197.42	320.04
619	SLU-104	4845.33	1879.72	196.16	317.99
620	SLU-104	5085.94	2631.78	197.47	320.12
621	SLU-104	4871.81	2633.75	197.11	319.54
622	SLU-104	5084.65	1904.51	197.01	319.37
623	SLU-104	4988.21	2329.15	196.47	318.49
624	SLU-104	5046.13	2315.65	198.08	321.10
625	SLU-105	5005.20	1900.25	197.34	319.90
626	SLU-105	5230.06	2666.46	198.89	322.42
627	SLU-105	5234.69	1930.13	198.16	321.23
628	SLU-105	5024.91	2651.93	198.55	321.86
629	SLU-105	5152.07	2332.87	197.82	320.68
630	SLU-105	5183.62	2356.04	199.51	323.42
631	SLU-106	5021.65	1898.55	198.74	322.17
632	SLU-106	5782.29	2130.58	197.79	320.62
633	SLU-106	5784.49	1916.22	198.15	321.21

634	SLU-106	5058.33	2125.99	198.37	321.58
635	SLU-106	5437.82	2074.70	197.16	319.61
636	SLU-106	5509.83	2047.10	198.96	322.53
637	SLU-107	4951.45	1950.75	197.57	320.27
638	SLU-107	5733.89	2159.38	196.64	318.76
639	SLU-107	4988.90	2172.67	197.03	319.41
640	SLU-107	5717.33	1956.26	196.91	319.20
641	SLU-107	5360.60	2121.09	196.16	317.98
642	SLU-107	5457.15	2079.26	197.40	320.00
643	SLU-108	4949.70	1967.25	196.14	317.95
644	SLU-108	5190.31	2719.31	197.45	320.09
645	SLU-108	4976.18	2721.28	197.09	319.50
646	SLU-108	5189.03	1992.04	196.99	319.33
647	SLU-108	5092.59	2416.68	196.45	318.45
648	SLU-108	5150.51	2403.18	198.06	321.06
649	SLU-109	4953.64	1833.62	197.21	319.69
650	SLU-109	5178.50	2599.83	198.77	322.21
651	SLU-109	5183.13	1863.50	198.03	321.02
652	SLU-109	4973.36	2585.30	198.42	321.65
653	SLU-109	5100.52	2266.24	197.70	320.48
654	SLU-109	5132.06	2289.41	199.38	323.20
655	SLU-110	4970.09	1831.92	198.62	321.97
656	SLU-110	5730.73	2063.95	197.66	320.42
657	SLU-110	5732.93	1849.59	198.02	321.01
658	SLU-110	5006.77	2059.36	198.25	321.37
659	SLU-110	5386.26	2008.07	197.04	319.42
660	SLU-110	5458.28	1980.47	198.83	322.32
661	SLU-111	4878.89	1905.12	197.46	320.10
662	SLU-111	5661.33	2113.75	196.53	318.58
663	SLU-111	4916.35	2127.03	196.93	319.23
664	SLU-111	5644.78	1910.63	196.80	319.02
665	SLU-111	5288.05	2075.46	196.05	317.81
666	SLU-111	5384.60	2033.62	197.29	319.82
667	SLU-112	4877.15	1921.61	196.03	317.78
668	SLU-112	5117.76	2673.67	197.35	319.91
669	SLU-112	4903.63	2675.64	196.99	319.33
670	SLU-112	5116.47	1946.40	196.88	319.15
671	SLU-112	5020.03	2371.05	196.35	318.29
672	SLU-112	5077.96	2357.54	197.94	320.88
673	SLU-113	4740.90	2065.52	146.99	238.29
674	SLU-113	4965.76	2831.73	148.70	241.05
675	SLU-113	4970.39	2095.40	147.87	239.70
676	SLU-113	4760.61	2817.20	148.37	240.52
677	SLU-113	4887.77	2498.14	146.71	237.82
678	SLU-113	4919.32	2521.31	150.16	243.43
679	SLU-114	4757.35	2063.82	148.11	240.10
680	SLU-114	5517.99	2295.85	147.60	239.27
681	SLU-114	5520.19	2081.49	147.89	239.75
682	SLU-114	4794.03	2291.26	148.16	240.18

683	SLU-114	5173.52	2239.97	145.89	236.50
684	SLU-114	5245.53	2212.37	149.80	242.83
685	SLU-115	4727.27	2077.20	146.48	237.46
686	SLU-115	5509.71	2285.83	146.19	236.99
687	SLU-115	4764.72	2299.12	146.26	237.10
688	SLU-115	5493.15	2082.71	146.35	237.25
689	SLU-115	5136.42	2247.54	144.65	234.49
690	SLU-115	5232.97	2205.71	147.79	239.58
691	SLU-116	4725.52	2093.70	145.31	235.56
692	SLU-116	4966.13	2845.76	146.63	237.70
693	SLU-116	4752.00	2847.72	146.35	237.24
694	SLU-116	4964.85	2118.49	146.35	237.24
695	SLU-116	4868.41	2543.13	144.61	234.42
696	SLU-116	4926.33	2529.63	148.39	240.55
697	SLU-117	4689.34	1998.89	146.72	237.85
698	SLU-117	4914.20	2765.10	148.43	240.61
699	SLU-117	4918.83	2028.76	147.60	239.26
700	SLU-117	4709.06	2750.57	148.10	240.07
701	SLU-117	4836.21	2431.51	146.44	237.39
702	SLU-117	4867.76	2454.68	149.89	242.98
703	SLU-118	4705.79	1997.19	147.84	239.66
704	SLU-118	5466.43	2229.22	147.33	238.83
705	SLU-118	5468.63	2014.86	147.62	239.31
706	SLU-118	4742.47	2224.63	147.89	239.74
707	SLU-118	5121.96	2173.34	145.63	236.07
708	SLU-118	5193.98	2145.74	149.52	242.38
709	SLU-119	4654.71	2031.57	146.23	237.04
710	SLU-119	5437.15	2240.20	145.93	236.56
711	SLU-119	4692.17	2253.48	146.01	236.68
712	SLU-119	5420.60	2037.08	146.09	236.82
713	SLU-119	5063.87	2201.91	144.39	234.07
714	SLU-119	5160.42	2160.07	147.53	239.15
715	SLU-120	4652.97	2048.06	145.05	235.14
716	SLU-120	4893.58	2800.12	146.38	237.29
717	SLU-120	4679.45	2802.09	146.09	236.82
718	SLU-120	4892.29	2072.85	146.09	236.82
719	SLU-120	4795.85	2497.49	144.35	234.01
720	SLU-120	4853.78	2483.99	148.12	240.12
721	SLU-121	4800.03	2129.25	146.52	237.52
722	SLU-121	5024.89	2895.47	148.23	240.29
723	SLU-121	5029.52	2159.13	147.39	238.94
724	SLU-121	4819.74	2880.94	147.89	239.74
725	SLU-121	4946.90	2561.87	146.24	237.06
726	SLU-121	4978.45	2585.05	149.68	242.64
727	SLU-122	4816.48	2127.56	147.64	239.34
728	SLU-122	5577.12	2359.58	147.12	238.50
729	SLU-122	5579.32	2145.23	147.42	238.98
730	SLU-122	4853.16	2354.99	147.69	239.41
731	SLU-122	5232.65	2303.70	145.43	235.75

732	SLU-122	5304.66	2276.11	149.31	242.05
733	SLU-123	4780.30	2147.03	146.00	236.68
734	SLU-123	5562.75	2355.66	145.70	236.20
735	SLU-123	4817.76	2368.94	145.78	236.32
736	SLU-123	5546.19	2152.54	145.87	236.46
737	SLU-123	5189.46	2317.37	144.17	233.71
738	SLU-123	5286.01	2275.53	147.30	238.78
739	SLU-124	4778.56	2163.52	144.83	234.77
740	SLU-124	5019.17	2915.58	146.15	236.92
741	SLU-124	4805.04	2917.55	145.86	236.45
742	SLU-124	5017.88	2188.31	145.86	236.46
743	SLU-124	4921.44	2612.96	144.13	233.65
744	SLU-124	4979.37	2599.45	147.89	239.75
745	SLU-125	4748.47	2062.62	146.25	237.08
746	SLU-125	4973.33	2828.84	147.96	239.85
747	SLU-125	4977.96	2092.50	147.12	238.50
748	SLU-125	4768.19	2814.31	147.62	239.31
749	SLU-125	4895.35	2495.24	145.97	236.63
750	SLU-125	4926.89	2518.42	149.41	242.20
751	SLU-126	4764.92	2060.93	147.37	238.90
752	SLU-126	5525.56	2292.95	146.85	238.06
753	SLU-126	5527.76	2078.59	147.15	238.54
754	SLU-126	4801.60	2288.36	147.42	238.97
755	SLU-126	5181.09	2237.07	145.16	235.32
756	SLU-126	5253.11	2209.48	149.04	241.60
757	SLU-127	4707.75	2101.39	145.75	236.27
758	SLU-127	5490.19	2310.03	145.44	235.77
759	SLU-127	4745.20	2323.31	145.52	235.90
760	SLU-127	5473.64	2106.90	145.61	236.04
761	SLU-127	5116.91	2271.73	143.92	233.30
762	SLU-127	5213.46	2229.90	147.03	238.35
763	SLU-128	4706.01	2117.89	144.57	234.36
764	SLU-128	4946.62	2869.95	145.89	236.50
765	SLU-128	4732.49	2871.92	145.60	236.03
766	SLU-128	4945.33	2142.68	145.61	236.04
767	SLU-128	4848.89	2567.32	143.88	233.24
768	SLU-128	4906.82	2553.82	147.63	239.32
769	SLU-129	4436.40	2315.62	125.62	203.65
770	SLU-129	4861.37	3828.40	126.87	205.67
771	SLU-129	4894.13	2381.11	126.44	204.97
772	SLU-129	4520.13	3699.33	126.27	204.70
773	SLU-129	4739.45	3054.70	128.53	208.35
774	SLU-129	4678.60	3265.87	124.79	202.29
775	SLU-130	4466.65	2311.78	128.11	207.68
776	SLU-130	5931.26	2797.32	125.51	203.45
777	SLU-130	5929.88	2348.35	126.47	205.01
778	SLU-130	4503.70	2794.35	126.32	204.78
779	SLU-130	5288.75	2560.69	128.76	208.72
780	SLU-130	5286.89	2685.85	123.79	200.67

781	SLU-131	4491.71	2258.35	129.53	209.97
782	SLU-131	5972.32	2715.50	126.31	204.75
783	SLU-131	4544.02	2729.27	127.90	207.34
784	SLU-131	5940.47	2277.04	127.25	206.28
785	SLU-131	5275.90	2516.30	129.62	210.12
786	SLU-131	5351.07	2591.45	124.85	202.39
787	SLU-132	4488.08	2288.40	127.13	206.08
788	SLU-132	4954.71	3771.92	128.47	208.26
789	SLU-132	4603.96	3672.32	127.86	207.26
790	SLU-132	4949.30	2346.80	127.52	206.72
791	SLU-132	4799.13	3048.36	130.54	211.62
792	SLU-132	4767.22	3203.57	125.60	203.61
793	SLU-133	4390.76	2243.06	125.81	203.94
794	SLU-133	4815.73	3755.85	127.05	205.96
795	SLU-133	4848.50	2308.56	126.62	205.26
796	SLU-133	4453.50	3647.77	126.45	204.99
797	SLU-133	4693.81	2982.15	128.72	208.66
798	SLU-133	4632.97	3193.32	124.95	202.55
799	SLU-134	4421.01	2239.23	128.29	207.97
800	SLU-134	5885.63	2724.76	125.69	203.75
801	SLU-134	5884.25	2275.80	126.65	205.31
802	SLU-134	4458.07	2721.79	126.50	205.07
803	SLU-134	5243.12	2488.14	128.95	209.04
804	SLU-134	5241.26	2613.30	123.95	200.94
805	SLU-135	4425.08	2206.79	129.72	210.29
806	SLU-135	5905.69	2663.94	126.50	205.07
807	SLU-135	4477.39	2677.72	128.10	207.66
808	SLU-135	5873.84	2225.48	127.44	206.59
809	SLU-135	5209.27	2464.75	129.83	210.46
810	SLU-135	5284.44	2539.90	125.03	202.69
811	SLU-136	4421.45	2236.84	127.33	206.40
812	SLU-136	4888.08	3720.36	128.66	208.57
813	SLU-136	4558.33	3599.76	128.05	207.58
814	SLU-136	4882.67	2295.24	127.72	207.04
815	SLU-136	4732.50	2996.80	130.75	211.96
816	SLU-136	4700.59	3152.01	125.78	203.90
817	SLU-137	4478.29	2347.44	125.84	203.99
818	SLU-137	4903.26	3860.23	127.08	206.00
819	SLU-137	4936.03	2412.94	126.65	205.30
820	SLU-137	4558.37	3734.81	126.48	205.03
821	SLU-137	4781.34	3086.53	128.74	208.70
822	SLU-137	4720.50	3297.70	124.98	202.59
823	SLU-138	4508.54	2343.61	128.32	208.01
824	SLU-138	5973.16	2829.14	125.71	203.79
825	SLU-138	5971.78	2380.17	126.68	205.35
826	SLU-138	4545.60	2826.17	126.53	205.11
827	SLU-138	5330.65	2592.52	128.98	209.08
828	SLU-138	5328.79	2717.67	123.98	200.98
829	SLU-139	4529.95	2293.83	129.73	210.30

830	SLU-139	6010.56	2750.98	126.51	205.08
831	SLU-139	4582.26	2764.75	128.10	207.67
832	SLU-139	5978.72	2312.52	127.45	206.60
833	SLU-139	5314.14	2551.78	129.83	210.47
834	SLU-139	5389.31	2626.93	125.04	202.70
835	SLU-140	4526.32	2323.87	127.33	206.41
836	SLU-140	4992.95	3807.40	128.67	208.58
837	SLU-140	4645.86	3704.14	128.06	207.59
838	SLU-140	4987.54	2382.27	127.72	207.05
839	SLU-140	4837.37	3083.84	130.76	211.97
840	SLU-140	4805.46	3239.05	125.79	203.91
841	SLU-141	4432.66	2274.89	126.02	204.29
842	SLU-141	4857.63	3787.67	127.25	206.28
843	SLU-141	4890.39	2340.38	126.83	205.60
844	SLU-141	4491.74	3683.25	126.66	205.32
845	SLU-141	4735.71	3013.97	128.94	209.01
846	SLU-141	4674.86	3225.14	125.14	202.86
847	SLU-142	4462.91	2271.05	128.50	208.31
848	SLU-142	5927.52	2756.59	125.89	204.08
849	SLU-142	5926.14	2307.62	126.86	205.64
850	SLU-142	4499.97	2753.61	126.71	205.40
851	SLU-142	5285.01	2519.96	129.17	209.40
852	SLU-142	5283.15	2645.12	124.14	201.25
853	SLU-143	4463.32	2242.27	129.93	210.62
854	SLU-143	5943.93	2699.42	126.70	205.39
855	SLU-143	4515.63	2713.19	128.30	207.98
856	SLU-143	5912.08	2260.96	127.64	206.91
857	SLU-143	5247.51	2500.22	130.04	210.80
858	SLU-143	5322.68	2575.37	125.22	202.99
859	SLU-144	4459.69	2272.32	127.53	206.74
860	SLU-144	4926.32	3755.84	128.86	208.90
861	SLU-144	4600.23	3631.58	128.25	207.91
862	SLU-144	4920.91	2330.72	127.92	207.36
863	SLU-144	4770.74	3032.28	130.97	212.31
864	SLU-144	4738.83	3187.49	125.97	204.20
865	SLU-145	3560.65	1440.35	125.60	203.61
866	SLU-145	3985.62	2953.14	126.86	205.64
867	SLU-145	4018.39	1505.85	126.42	204.94
868	SLU-145	3644.24	2824.21	126.26	204.67
869	SLU-145	3863.70	2179.44	128.51	208.32
870	SLU-145	3802.86	2390.61	124.77	202.26
871	SLU-146	3590.90	1436.52	128.09	207.64
872	SLU-146	5055.51	1922.06	125.49	203.42
873	SLU-146	5054.13	1473.09	126.45	204.98
874	SLU-146	3627.96	1919.08	126.30	204.75
875	SLU-146	4413.01	1685.43	128.74	208.69
876	SLU-146	4411.14	1810.59	123.77	200.64
877	SLU-147	3615.83	1383.23	129.51	209.94
878	SLU-147	5096.43	1840.38	126.29	204.72

879	SLU-147	3668.13	1854.15	127.88	207.31
880	SLU-147	5064.59	1401.92	127.23	206.24
881	SLU-147	4400.01	1641.18	129.60	210.09
882	SLU-147	4475.18	1716.33	124.83	202.36
883	SLU-148	3612.19	1413.28	127.10	206.04
884	SLU-148	4078.82	2896.80	128.45	208.23
885	SLU-148	3728.22	2797.05	127.84	207.23
886	SLU-148	4073.42	1471.68	127.50	206.69
887	SLU-148	3923.25	2173.24	130.52	211.58
888	SLU-148	3891.33	2328.45	125.58	203.58
889	SLU-149	3515.02	1367.80	125.79	203.91
890	SLU-149	3939.98	2880.59	127.03	205.93
891	SLU-149	3972.75	1433.30	126.60	205.23
892	SLU-149	3577.61	2772.65	126.43	204.96
893	SLU-149	3818.07	2106.89	128.70	208.63
894	SLU-149	3757.22	2318.06	124.93	202.52
895	SLU-150	3545.26	1363.97	128.27	207.94
896	SLU-150	5009.88	1849.50	125.67	203.71
897	SLU-150	5008.50	1400.53	126.63	205.28
898	SLU-150	3582.32	1846.53	126.48	205.04
899	SLU-150	4367.37	1612.88	128.93	209.00
900	SLU-150	4365.51	1738.03	123.94	200.91
901	SLU-151	3549.19	1331.67	129.70	210.26
902	SLU-151	5029.80	1788.82	126.48	205.04
903	SLU-151	3601.50	1802.59	128.08	207.62
904	SLU-151	4997.96	1350.36	127.42	206.56
905	SLU-151	4333.38	1589.63	129.80	210.42
906	SLU-151	4408.55	1664.78	125.02	202.66
907	SLU-152	3545.56	1361.72	127.30	206.37
908	SLU-152	4012.19	2845.24	128.64	208.54
909	SLU-152	3682.58	2724.50	128.03	207.55
910	SLU-152	4006.78	1420.12	127.70	207.01
911	SLU-152	3856.62	2121.68	130.73	211.92
912	SLU-152	3824.70	2276.89	125.76	203.87
913	SLU-153	3602.55	1472.18	125.82	203.96
914	SLU-153	4027.52	2984.96	127.06	205.97
915	SLU-153	4060.28	1537.67	126.63	205.27
916	SLU-153	3682.48	2859.69	126.46	205.00
917	SLU-153	3905.60	2211.26	128.72	208.67
918	SLU-153	3844.75	2422.43	124.96	202.57
919	SLU-154	3632.80	1468.34	128.30	207.98
920	SLU-154	5097.41	1953.88	125.69	203.76
921	SLU-154	5096.03	1504.91	126.66	205.32
922	SLU-154	3669.85	1950.91	126.51	205.08
923	SLU-154	4454.90	1717.25	128.96	209.05
924	SLU-154	4453.04	1842.41	123.96	200.95
925	SLU-155	3654.07	1418.71	129.71	210.27
926	SLU-155	5134.67	1875.86	126.49	205.04
927	SLU-155	3706.37	1889.63	128.08	207.63

928	SLU-155	5102.83	1437.39	127.43	206.56
929	SLU-155	4438.25	1676.66	129.81	210.43
930	SLU-155	4513.42	1751.81	125.02	202.66
931	SLU-156	3650.43	1448.75	127.31	206.38
932	SLU-156	4117.06	2932.28	128.65	208.55
933	SLU-156	3770.11	2828.88	128.04	207.55
934	SLU-156	4111.66	1507.15	127.70	207.01
935	SLU-156	3961.49	2208.72	130.74	211.93
936	SLU-156	3929.57	2363.93	125.77	203.88
937	SLU-157	3556.91	1399.62	126.00	204.26
938	SLU-157	3981.88	2912.41	127.23	206.25
939	SLU-157	4014.65	1465.12	126.81	205.57
940	SLU-157	3615.85	2808.13	126.64	205.29
941	SLU-157	3859.96	2138.71	128.91	208.98
942	SLU-157	3799.12	2349.88	125.12	202.83
943	SLU-158	3587.16	1395.79	128.48	208.28
944	SLU-158	5051.78	1881.33	125.87	204.05
945	SLU-158	5050.40	1432.36	126.84	205.61
946	SLU-158	3624.22	1878.35	126.69	205.37
947	SLU-158	4409.27	1644.70	129.15	209.36
948	SLU-158	4407.40	1769.86	124.13	201.22
949	SLU-159	3587.44	1367.15	129.91	210.59
950	SLU-159	5068.04	1824.30	126.68	205.36
951	SLU-159	3639.74	1838.07	128.28	207.95
952	SLU-159	5036.20	1385.84	127.62	206.88
953	SLU-159	4371.62	1625.10	130.02	210.77
954	SLU-159	4446.79	1700.25	125.20	202.96
955	SLU-160	3583.80	1397.20	127.51	206.70
956	SLU-160	4050.43	2880.72	128.84	208.86
957	SLU-160	3724.48	2756.32	128.23	207.87
958	SLU-160	4045.03	1455.60	127.90	207.33
959	SLU-160	3894.86	2157.16	130.95	212.27
960	SLU-160	3862.94	2312.37	125.95	204.17
961	SLU-161	4872.69	1959.05	158.31	256.63
962	SLU-161	5081.32	2741.49	158.39	256.75
963	SLU-161	5094.61	1996.50	158.41	256.80
964	SLU-161	4878.20	2724.93	158.26	256.55
965	SLU-161	5043.03	2368.20	160.22	259.73
966	SLU-161	5001.20	2464.75	156.61	253.87
967	SLU-162	4889.19	1957.30	159.35	258.32
968	SLU-162	5641.25	2197.91	158.07	256.25
969	SLU-162	5643.21	1983.78	158.33	256.66
970	SLU-162	4913.98	2196.63	158.29	256.60
971	SLU-162	5338.62	2100.19	160.39	260.00
972	SLU-162	5325.12	2158.11	156.04	252.95
973	SLU-163	4959.86	1869.93	166.83	270.44
974	SLU-163	5726.07	2094.79	165.12	267.67
975	SLU-163	4989.74	2099.42	165.96	269.03
976	SLU-163	5711.54	1889.64	165.45	268.20

977	SLU-163	5392.48	2016.80	167.31	271.22
978	SLU-163	5415.65	2048.35	163.52	265.08
979	SLU-164	4958.16	1886.38	165.80	268.78
980	SLU-164	5190.19	2647.02	166.20	269.42
981	SLU-164	4975.83	2649.22	165.93	268.98
982	SLU-164	5185.60	1923.06	165.65	268.54
983	SLU-164	5134.31	2302.55	168.14	272.56
984	SLU-164	5106.71	2374.56	163.85	265.62
985	SLU-165	4827.06	1886.49	158.61	257.12
986	SLU-165	5035.69	2668.93	158.68	257.24
987	SLU-165	5048.97	1923.95	158.71	257.29
988	SLU-165	4832.57	2652.38	158.56	257.04
989	SLU-165	4997.40	2295.65	160.52	260.22
990	SLU-165	4955.56	2392.20	156.90	254.35
991	SLU-166	4843.55	1884.75	159.65	258.81
992	SLU-166	5595.61	2125.36	158.37	256.73
993	SLU-166	5597.58	1911.23	158.63	257.14
994	SLU-166	4868.34	2124.07	158.59	257.08
995	SLU-166	5292.99	2027.63	160.69	260.49
996	SLU-166	5279.48	2085.56	156.34	253.43
997	SLU-167	4893.23	1818.37	167.13	270.92
998	SLU-167	5659.44	2043.23	165.42	268.16
999	SLU-167	4923.11	2047.86	166.26	269.52
1000	SLU-167	5644.91	1838.09	165.74	268.68
1001	SLU-167	5325.85	1965.24	167.61	271.71
1002	SLU-167	5349.02	1996.79	163.82	265.56
1003	SLU-168	4891.53	1834.82	166.10	269.27
1004	SLU-168	5123.56	2595.46	166.50	269.91
1005	SLU-168	4909.20	2597.66	166.23	269.46
1006	SLU-168	5118.97	1871.50	165.95	269.02
1007	SLU-168	5067.68	2250.99	168.44	273.05
1008	SLU-168	5040.08	2323.01	164.15	266.09
1009	SLU-169	4914.59	1990.87	158.64	257.17
1010	SLU-169	5123.22	2773.31	158.72	257.29
1011	SLU-169	5136.50	2028.32	158.75	257.34
1012	SLU-169	4920.10	2756.76	158.60	257.09
1013	SLU-169	5084.93	2400.02	160.56	260.27
1014	SLU-169	5043.09	2496.57	156.94	254.41
1015	SLU-170	4931.08	1989.13	159.69	258.86
1016	SLU-170	5683.14	2229.73	158.41	256.79
1017	SLU-170	5685.11	2015.61	158.66	257.20
1018	SLU-170	4955.87	2228.45	158.62	257.14
1019	SLU-170	5380.52	2132.01	160.73	260.55
1020	SLU-170	5367.01	2189.93	156.37	253.49
1021	SLU-171	4998.10	1905.41	167.14	270.95
1022	SLU-171	5764.31	2130.27	165.44	268.19
1023	SLU-171	5027.98	2134.90	166.28	269.54
1024	SLU-171	5749.78	1925.12	165.76	268.71
1025	SLU-171	5430.72	2052.28	167.63	271.73

1026	SLU-171	5453.89	2083.82	163.83	265.58
1027	SLU-172	4996.40	1921.85	166.12	269.29
1028	SLU-172	5228.43	2682.50	166.52	269.93
1029	SLU-172	5014.07	2684.70	166.24	269.49
1030	SLU-172	5223.84	1958.53	165.97	269.05
1031	SLU-172	5172.55	2338.02	168.46	273.08
1032	SLU-172	5144.95	2410.04	164.16	266.12
1033	SLU-173	4868.95	1918.32	158.95	257.66
1034	SLU-173	5077.58	2700.76	159.02	257.78
1035	SLU-173	5090.87	1955.77	159.05	257.83
1036	SLU-173	4874.46	2684.20	158.89	257.58
1037	SLU-173	5039.29	2327.47	160.86	260.76
1038	SLU-173	4997.46	2424.02	157.23	254.89
1039	SLU-174	4885.45	1916.57	159.99	259.35
1040	SLU-174	5637.51	2157.18	158.71	257.27
1041	SLU-174	5639.48	1943.05	158.96	257.69
1042	SLU-174	4910.24	2155.90	158.92	257.62
1043	SLU-174	5334.88	2059.46	161.03	261.04
1044	SLU-174	5321.38	2117.38	156.67	253.97
1045	SLU-175	4931.47	1853.85	167.44	271.43
1046	SLU-175	5697.68	2078.71	165.74	268.67
1047	SLU-175	4961.35	2083.34	166.58	270.03
1048	SLU-175	5683.15	1873.56	166.06	269.20
1049	SLU-175	5364.09	2000.72	167.93	272.22
1050	SLU-175	5387.26	2032.27	164.13	266.07
1051	SLU-176	4929.77	1870.30	166.42	269.78
1052	SLU-176	5161.80	2630.94	166.82	270.42
1053	SLU-176	4947.44	2633.14	166.54	269.98
1054	SLU-176	5157.21	1906.98	166.27	269.54
1055	SLU-176	5105.92	2286.47	168.76	273.57
1056	SLU-176	5078.32	2358.48	164.46	266.60
1057	SLU-177	4160.59	2671.83	116.91	189.52
1058	SLU-177	4385.46	3438.04	118.23	191.66
1059	SLU-177	4390.09	2701.71	117.63	190.68
1060	SLU-177	4180.31	3423.51	117.91	191.14
1061	SLU-177	4307.47	3104.45	117.89	191.10
1062	SLU-177	4339.01	3127.62	118.24	191.68
1063	SLU-178	4177.04	2670.13	118.39	191.92
1064	SLU-178	4937.69	2902.16	117.22	190.02
1065	SLU-178	4939.88	2687.80	117.59	190.63
1066	SLU-178	4213.72	2897.57	117.77	190.92
1067	SLU-178	4593.21	2846.28	117.39	190.30
1068	SLU-178	4665.23	2818.68	117.62	190.68
1069	SLU-179	4092.17	2738.30	110.71	179.47
1070	SLU-179	4863.69	2957.85	109.44	177.40
1071	SLU-179	4122.05	2967.79	110.01	178.34
1072	SLU-179	4847.14	2754.73	109.75	177.92
1073	SLU-179	4524.79	2885.17	109.71	177.84
1074	SLU-179	4586.96	2877.73	109.60	177.67

1075	SLU-180	4090.47	2754.75	109.23	177.07
1076	SLU-180	4322.50	3515.39	110.43	179.01
1077	SLU-180	4108.14	3517.59	110.05	178.40
1078	SLU-180	4318.83	2790.51	109.88	178.13
1079	SLU-180	4266.62	3170.92	110.20	178.65
1080	SLU-180	4280.32	3201.65	110.24	178.70
1081	SLU-181	4109.04	2605.20	116.90	189.50
1082	SLU-181	4333.90	3371.41	118.21	191.63
1083	SLU-181	4338.53	2635.07	117.61	190.66
1084	SLU-181	4128.75	3356.88	117.89	191.11
1085	SLU-181	4255.91	3037.82	117.88	191.09
1086	SLU-181	4287.46	3060.99	118.21	191.63
1087	SLU-182	4125.49	2603.50	118.37	191.89
1088	SLU-182	4886.13	2835.53	117.20	189.99
1089	SLU-182	4888.33	2621.17	117.58	190.60
1090	SLU-182	4162.16	2830.94	117.75	190.89
1091	SLU-182	4541.66	2779.65	117.39	190.29
1092	SLU-182	4613.67	2752.05	117.59	190.63
1093	SLU-183	4025.54	2686.74	110.71	179.47
1094	SLU-183	4791.75	2911.60	109.44	177.40
1095	SLU-183	4055.42	2916.24	110.01	178.34
1096	SLU-183	4777.22	2706.46	109.75	177.92
1097	SLU-183	4458.16	2833.62	109.72	177.86
1098	SLU-183	4514.40	2832.09	109.59	177.65
1099	SLU-184	4023.84	2703.19	109.24	177.08
1100	SLU-184	4255.87	3463.84	110.43	179.01
1101	SLU-184	4041.51	3466.03	110.05	178.40
1102	SLU-184	4251.28	2739.87	109.88	178.13
1103	SLU-184	4199.99	3119.36	110.22	178.67
1104	SLU-184	4207.76	3156.01	110.22	178.68
1105	SLU-185	4196.07	2710.07	116.91	189.52
1106	SLU-185	4420.93	3476.28	118.22	191.65
1107	SLU-185	4425.57	2739.95	117.62	190.67
1108	SLU-185	4215.79	3461.75	117.90	191.12
1109	SLU-185	4342.95	3142.69	117.89	191.10
1110	SLU-185	4374.49	3165.86	118.22	191.65
1111	SLU-186	4212.52	2708.37	118.38	191.91
1112	SLU-186	4973.17	2940.40	117.21	190.01
1113	SLU-186	4975.36	2726.04	117.59	190.62
1114	SLU-186	4249.20	2935.81	117.76	190.90
1115	SLU-186	4628.69	2884.52	117.40	190.31
1116	SLU-186	4700.71	2856.92	117.60	190.64
1117	SLU-187	4130.41	2773.78	110.70	179.45
1118	SLU-187	4896.63	2998.64	109.42	177.38
1119	SLU-187	4160.29	3003.27	110.00	178.32
1120	SLU-187	4882.10	2793.49	109.74	177.90
1121	SLU-187	4563.03	2920.65	109.71	177.84
1122	SLU-187	4618.78	2919.62	109.58	177.63
1123	SLU-188	4128.72	2790.23	109.22	177.06

1124	SLU-188	4360.74	3550.87	110.42	178.99
1125	SLU-188	4146.38	3553.07	110.04	178.38
1126	SLU-188	4356.15	2826.91	109.87	178.11
1127	SLU-188	4304.86	3206.40	110.20	178.65
1128	SLU-188	4312.14	3243.54	110.21	178.66
1129	SLU-189	4144.51	2643.44	116.89	189.49
1130	SLU-189	4369.38	3409.65	118.21	191.62
1131	SLU-189	4374.01	2673.32	117.61	190.65
1132	SLU-189	4164.23	3395.12	117.88	191.10
1133	SLU-189	4291.39	3076.06	117.88	191.09
1134	SLU-189	4322.93	3099.23	118.20	191.61
1135	SLU-190	4160.96	2641.74	118.37	191.89
1136	SLU-190	4921.61	2873.77	117.19	189.98
1137	SLU-190	4923.80	2659.41	117.57	190.59
1138	SLU-190	4197.64	2869.18	117.75	190.88
1139	SLU-190	4577.13	2817.89	117.39	190.30
1140	SLU-190	4649.15	2790.29	117.58	190.60
1141	SLU-191	4063.78	2722.22	110.71	179.46
1142	SLU-191	4829.99	2947.08	109.42	177.38
1143	SLU-191	4093.66	2951.71	110.00	178.32
1144	SLU-191	4815.46	2741.94	109.74	177.90
1145	SLU-191	4496.40	2869.10	109.72	177.86
1146	SLU-191	4546.22	2873.99	109.57	177.62
1147	SLU-192	4062.08	2738.67	109.23	177.07
1148	SLU-192	4294.11	3499.31	110.42	179.00
1149	SLU-192	4079.75	3501.51	110.04	178.39
1150	SLU-192	4289.52	2775.35	109.87	178.11
1151	SLU-192	4238.23	3154.84	110.22	178.67
1152	SLU-192	4239.58	3197.91	110.20	178.65
1153	SLU-193	4612.64	2219.70	146.17	236.95
1154	SLU-193	4821.27	3002.14	146.93	238.19
1155	SLU-193	4834.56	2257.15	146.62	237.68
1156	SLU-193	4618.15	2985.59	146.69	237.79
1157	SLU-193	4782.98	2628.85	147.74	239.50
1158	SLU-193	4741.15	2725.40	145.97	236.62
1159	SLU-194	4629.14	2217.95	147.54	239.18
1160	SLU-194	5381.19	2458.56	146.20	237.01
1161	SLU-194	5383.16	2244.44	146.55	237.57
1162	SLU-194	4653.93	2457.28	146.63	237.69
1163	SLU-194	5078.57	2360.84	147.56	239.21
1164	SLU-194	5065.06	2418.76	145.32	235.57
1165	SLU-195	4380.91	2449.48	109.36	177.28
1166	SLU-195	5147.12	2674.34	107.67	174.54
1167	SLU-195	4410.79	2678.97	108.49	175.86
1168	SLU-195	5132.59	2469.19	108.01	175.10
1169	SLU-195	4813.53	2596.35	109.42	177.38
1170	SLU-195	4836.70	2627.90	106.51	172.65
1171	SLU-196	4379.21	2465.93	108.13	175.28
1172	SLU-196	4611.24	3226.57	108.80	176.37

1173	SLU-196	4396.88	3228.77	108.47	175.84
1174	SLU-196	4606.65	2502.60	108.21	175.42
1175	SLU-196	4555.36	2882.10	110.21	178.66
1176	SLU-196	4527.76	2954.11	106.96	173.39
1177	SLU-197	4567.00	2147.15	146.32	237.20
1178	SLU-197	4775.64	2929.59	147.08	238.43
1179	SLU-197	4788.92	2184.60	146.77	237.93
1180	SLU-197	4572.51	2913.03	146.84	238.04
1181	SLU-197	4737.35	2556.30	147.90	239.76
1182	SLU-197	4695.51	2652.85	146.11	236.86
1183	SLU-198	4583.50	2145.40	147.70	239.43
1184	SLU-198	5335.56	2386.01	146.36	237.26
1185	SLU-198	5337.53	2171.88	146.70	237.82
1186	SLU-198	4608.29	2384.72	146.78	237.94
1187	SLU-198	5032.93	2288.28	147.73	239.47
1188	SLU-198	5019.43	2346.21	145.46	235.80
1189	SLU-199	4314.28	2397.92	109.59	177.65
1190	SLU-199	5080.49	2622.78	107.90	174.91
1191	SLU-199	4344.16	2627.41	108.71	176.23
1192	SLU-199	5065.96	2417.63	108.24	175.47
1193	SLU-199	4746.90	2544.79	109.66	177.76
1194	SLU-199	4770.07	2576.34	106.73	173.01
1195	SLU-200	4312.58	2414.37	108.36	175.66
1196	SLU-200	4544.61	3175.01	109.02	176.73
1197	SLU-200	4330.25	3177.21	108.70	176.21
1198	SLU-200	4540.02	2451.05	108.44	175.79
1199	SLU-200	4488.73	2830.54	110.44	179.04
1200	SLU-200	4461.13	2902.55	107.18	173.74
1201	SLU-201	4654.53	2251.52	146.35	237.24
1202	SLU-201	4863.17	3033.96	147.11	238.47
1203	SLU-201	4876.45	2288.98	146.80	237.96
1204	SLU-201	4660.05	3017.41	146.86	238.08
1205	SLU-201	4824.88	2660.68	147.93	239.80
1206	SLU-201	4783.04	2757.23	146.14	236.90
1207	SLU-202	4671.03	2249.78	147.72	239.47
1208	SLU-202	5423.09	2490.39	146.38	237.30
1209	SLU-202	5425.06	2276.26	146.73	237.86
1210	SLU-202	4695.82	2489.10	146.80	237.98
1211	SLU-202	5120.46	2392.66	147.75	239.51
1212	SLU-202	5106.96	2450.59	145.49	235.84
1213	SLU-203	4419.15	2484.96	109.60	177.66
1214	SLU-203	5185.36	2709.82	107.91	174.93
1215	SLU-203	4449.03	2714.45	108.72	176.25
1216	SLU-203	5170.83	2504.67	108.25	175.48
1217	SLU-203	4851.77	2631.83	109.67	177.78
1218	SLU-203	4874.94	2663.37	106.74	173.03
1219	SLU-204	4417.45	2501.40	108.37	175.67
1220	SLU-204	4649.48	3262.05	109.03	176.75
1221	SLU-204	4435.12	3264.24	108.71	176.23

1222	SLU-204	4644.89	2538.08	108.45	175.81
1223	SLU-204	4593.60	2917.57	110.45	179.05
1224	SLU-204	4566.01	2989.59	107.19	173.75
1225	SLU-205	4608.90	2178.97	146.50	237.49
1226	SLU-205	4817.53	2961.41	147.26	238.72
1227	SLU-205	4830.82	2216.42	146.95	238.22
1228	SLU-205	4614.41	2944.86	147.02	238.33
1229	SLU-205	4779.24	2588.12	148.09	240.06
1230	SLU-205	4737.41	2684.67	146.28	237.14
1231	SLU-206	4625.40	2177.22	147.88	239.72
1232	SLU-206	5377.46	2417.83	146.54	237.55
1233	SLU-206	5379.42	2203.71	146.88	238.11
1234	SLU-206	4650.19	2416.55	146.96	238.23
1235	SLU-206	5074.83	2320.11	147.91	239.78
1236	SLU-206	5061.33	2378.03	145.63	236.08
1237	SLU-207	4352.52	2433.40	109.83	178.03
1238	SLU-207	5118.73	2658.26	108.14	175.30
1239	SLU-207	4382.40	2662.89	108.95	176.62
1240	SLU-207	5104.20	2453.11	108.48	175.85
1241	SLU-207	4785.14	2580.27	109.90	178.16
1242	SLU-207	4808.31	2611.82	106.96	173.39
1243	SLU-208	4350.82	2449.85	108.60	176.05
1244	SLU-208	4582.85	3210.49	109.26	177.12
1245	SLU-208	4368.49	3212.69	108.94	176.60
1246	SLU-208	4578.26	2486.53	108.68	176.18
1247	SLU-208	4526.97	2866.02	110.69	179.44
1248	SLU-208	4499.37	2938.03	107.41	174.11
1249	SLU-209	4492.72	2339.32	128.65	208.55
1250	SLU-209	4701.36	3121.76	129.32	209.64
1251	SLU-209	4714.64	2376.78	129.05	209.20
1252	SLU-209	4498.23	3105.21	129.09	209.27
1253	SLU-209	4663.06	2748.48	130.29	211.21
1254	SLU-209	4621.23	2845.03	128.23	207.87
1255	SLU-210	4509.22	2337.58	129.99	210.73
1256	SLU-210	5261.28	2578.19	128.65	208.55
1257	SLU-210	5263.25	2364.06	128.98	209.09
1258	SLU-210	4534.01	2576.90	129.04	209.19
1259	SLU-210	4958.65	2480.46	130.17	211.01
1260	SLU-210	4945.15	2538.39	127.59	206.82
1261	SLU-211	4511.41	2318.68	126.34	204.81
1262	SLU-211	5277.63	2543.54	124.68	202.12
1263	SLU-211	4541.29	2548.17	125.48	203.41
1264	SLU-211	5263.10	2338.40	125.03	202.68
1265	SLU-211	4944.04	2465.56	126.25	204.66
1266	SLU-211	4967.21	2497.10	123.68	200.50
1267	SLU-212	4509.72	2335.13	125.05	202.71
1268	SLU-212	4741.74	3095.77	125.81	203.94
1269	SLU-212	4527.39	3097.97	125.47	203.40
1270	SLU-212	4737.15	2371.81	125.22	202.99

1271	SLU-212	4685.86	2751.30	127.01	205.88
1272	SLU-212	4658.27	2823.32	124.17	201.29
1273	SLU-213	4447.09	2266.77	128.83	208.84
1274	SLU-213	4655.72	3049.21	129.50	209.92
1275	SLU-213	4669.00	2304.22	129.23	209.49
1276	SLU-213	4452.60	3032.66	129.27	209.55
1277	SLU-213	4617.43	2675.92	130.48	211.51
1278	SLU-213	4575.60	2772.47	128.40	208.15
1279	SLU-214	4463.58	2265.03	130.17	211.02
1280	SLU-214	5215.64	2505.64	128.82	208.83
1281	SLU-214	5217.61	2291.51	129.16	209.38
1282	SLU-214	4488.38	2504.35	129.22	209.47
1283	SLU-214	4913.02	2407.91	130.35	211.31
1284	SLU-214	4899.51	2465.83	127.75	207.10
1285	SLU-215	4444.78	2267.12	126.54	205.13
1286	SLU-215	5211.00	2491.98	124.88	202.44
1287	SLU-215	4474.66	2496.62	125.68	203.73
1288	SLU-215	5196.47	2286.84	125.23	203.00
1289	SLU-215	4877.41	2414.00	126.45	204.99
1290	SLU-215	4900.58	2445.54	123.88	200.81
1291	SLU-216	4443.09	2283.57	125.25	203.04
1292	SLU-216	4675.11	3044.22	126.01	204.27
1293	SLU-216	4460.76	3046.41	125.67	203.72
1294	SLU-216	4670.52	2320.25	125.42	203.31
1295	SLU-216	4619.23	2699.74	127.21	206.22
1296	SLU-216	4591.64	2771.76	124.36	201.60
1297	SLU-217	4534.62	2371.15	128.85	208.88
1298	SLU-217	4743.25	3153.59	129.52	209.97
1299	SLU-217	4756.53	2408.60	129.26	209.53
1300	SLU-217	4540.13	3137.03	129.29	209.59
1301	SLU-217	4704.96	2780.30	130.50	211.55
1302	SLU-217	4663.13	2876.85	128.43	208.19
1303	SLU-218	4551.11	2369.40	130.20	211.06
1304	SLU-218	5303.17	2610.01	128.85	208.87
1305	SLU-218	5305.14	2395.88	129.19	209.42
1306	SLU-218	4575.91	2608.73	129.25	209.52
1307	SLU-218	5000.55	2512.29	130.38	211.35
1308	SLU-218	4987.04	2570.21	127.78	207.14
1309	SLU-219	4549.66	2354.16	126.55	205.14
1310	SLU-219	5315.87	2579.02	124.89	202.45
1311	SLU-219	4579.53	2583.65	125.68	203.74
1312	SLU-219	5301.34	2373.87	125.23	203.01
1313	SLU-219	4982.28	2501.03	126.46	205.00
1314	SLU-219	5005.45	2532.58	123.88	200.82
1315	SLU-220	4547.96	2370.61	125.26	203.05
1316	SLU-220	4779.98	3131.25	126.01	204.28
1317	SLU-220	4565.63	3133.45	125.68	203.73
1318	SLU-220	4775.39	2407.29	125.42	203.32
1319	SLU-220	4724.10	2786.78	127.22	206.23

1320	SLU-220	4696.51	2858.79	124.37	201.61
1321	SLU-221	4488.98	2298.59	129.03	209.17
1322	SLU-221	4697.62	3081.03	129.70	210.25
1323	SLU-221	4710.90	2336.05	129.43	209.82
1324	SLU-221	4494.49	3064.48	129.47	209.88
1325	SLU-221	4659.33	2707.75	130.69	211.85
1326	SLU-221	4617.49	2804.30	128.60	208.46
1327	SLU-222	4505.48	2296.85	130.38	211.35
1328	SLU-222	5257.54	2537.46	129.03	209.16
1329	SLU-222	5259.51	2323.33	129.36	209.71
1330	SLU-222	4530.27	2536.17	129.42	209.80
1331	SLU-222	4954.91	2439.73	130.56	211.65
1332	SLU-222	4941.41	2497.66	127.95	207.41
1333	SLU-223	4483.02	2302.60	126.75	205.47
1334	SLU-223	5249.24	2527.46	125.09	202.77
1335	SLU-223	4512.90	2532.09	125.88	204.06
1336	SLU-223	5234.71	2322.32	125.43	203.33
1337	SLU-223	4915.65	2449.48	126.67	205.34
1338	SLU-223	4938.82	2481.02	124.08	201.13
1339	SLU-224	4481.33	2319.05	125.46	203.38
1340	SLU-224	4713.35	3079.70	126.21	204.60
1341	SLU-224	4499.00	3081.89	125.88	204.05
1342	SLU-224	4708.76	2355.73	125.63	203.65
1343	SLU-224	4657.47	2735.22	127.43	206.57
1344	SLU-224	4629.88	2807.24	124.56	201.92
1345	SLU-225	4911.34	1921.21	196.56	318.64
1346	SLU-225	5119.97	2703.65	197.49	320.14
1347	SLU-225	5133.26	1958.66	197.09	319.50
1348	SLU-225	4916.85	2687.10	197.22	319.70
1349	SLU-225	5081.68	2330.36	198.00	320.97
1350	SLU-225	5039.85	2426.91	196.76	318.96
1351	SLU-226	4927.84	1919.46	197.99	320.96
1352	SLU-226	5679.90	2160.07	196.67	318.82
1353	SLU-226	5681.86	1945.95	197.03	319.40
1354	SLU-226	4952.63	2158.79	197.14	319.57
1355	SLU-226	5377.27	2062.35	197.73	320.54
1356	SLU-226	5363.76	2120.27	196.10	317.90
1357	SLU-227	4999.80	1829.49	199.41	323.26
1358	SLU-227	5766.02	2054.35	197.86	320.74
1359	SLU-227	5029.68	2058.99	198.59	321.93
1360	SLU-227	5751.49	1849.21	198.20	321.30
1361	SLU-227	5432.42	1976.37	198.96	322.53
1362	SLU-227	5455.60	2007.91	197.27	319.78
1363	SLU-228	4998.11	1845.94	198.01	320.99
1364	SLU-228	5230.13	2606.59	198.96	322.53
1365	SLU-228	5015.78	2608.78	198.60	321.94
1366	SLU-228	5225.54	1882.62	198.37	321.58
1367	SLU-228	5174.25	2262.11	199.63	323.62
1368	SLU-228	5146.66	2334.13	197.82	320.68

1369	SLU-229	4865.70	1848.65	196.68	318.82
1370	SLU-229	5074.34	2631.10	197.60	320.32
1371	SLU-229	5087.62	1886.11	197.20	319.68
1372	SLU-229	4871.22	2614.54	197.33	319.88
1373	SLU-229	5036.05	2257.81	198.12	321.16
1374	SLU-229	4994.21	2354.36	196.86	319.13
1375	SLU-230	4882.20	1846.91	198.10	321.14
1376	SLU-230	5634.26	2087.52	196.78	319.00
1377	SLU-230	5636.23	1873.39	197.14	319.58
1378	SLU-230	4906.99	2086.23	197.25	319.75
1379	SLU-230	5331.63	1989.79	197.85	320.73
1380	SLU-230	5318.13	2047.72	196.21	318.07
1381	SLU-231	4933.17	1777.94	199.54	323.47
1382	SLU-231	5699.39	2002.80	197.98	320.94
1383	SLU-231	4963.05	2007.43	198.72	322.14
1384	SLU-231	5684.86	1797.65	198.33	321.50
1385	SLU-231	5365.79	1924.81	199.09	322.74
1386	SLU-231	5388.97	1956.35	197.39	319.98
1387	SLU-232	4931.48	1794.38	198.14	321.20
1388	SLU-232	5163.50	2555.03	199.09	322.74
1389	SLU-232	4949.14	2557.23	198.73	322.15
1390	SLU-232	5158.91	1831.06	198.50	321.79
1391	SLU-232	5107.62	2210.55	199.77	323.84
1392	SLU-232	5080.03	2282.57	197.94	320.88
1393	SLU-233	4953.24	1953.03	196.70	318.86
1394	SLU-233	5161.87	2735.47	197.62	320.35
1395	SLU-233	5175.15	1990.48	197.22	319.71
1396	SLU-233	4958.75	2718.92	197.35	319.92
1397	SLU-233	5123.58	2362.18	198.14	321.19
1398	SLU-233	5081.74	2458.73	196.88	319.16
1399	SLU-234	4969.73	1951.29	198.12	321.17
1400	SLU-234	5721.79	2191.90	196.80	319.03
1401	SLU-234	5723.76	1977.77	197.16	319.62
1402	SLU-234	4994.52	2190.61	197.27	319.79
1403	SLU-234	5419.17	2094.17	197.87	320.76
1404	SLU-234	5405.66	2152.09	196.23	318.10
1405	SLU-235	5038.04	1864.97	199.54	323.47
1406	SLU-235	5804.26	2089.83	197.98	320.94
1407	SLU-235	5067.92	2094.46	198.72	322.13
1408	SLU-235	5789.73	1884.69	198.33	321.50
1409	SLU-235	5470.67	2011.85	199.09	322.74
1410	SLU-235	5493.84	2043.39	197.39	319.98
1411	SLU-236	5036.35	1881.42	198.14	321.20
1412	SLU-236	5268.37	2642.07	199.09	322.74
1413	SLU-236	5054.02	2644.26	198.73	322.15
1414	SLU-236	5263.78	1918.10	198.50	321.79
1415	SLU-236	5212.49	2297.59	199.77	323.84
1416	SLU-236	5184.90	2369.61	197.94	320.88
1417	SLU-237	4907.60	1880.48	196.81	319.04

1418	SLU-237	5116.23	2662.92	197.73	320.53
1419	SLU-237	5129.52	1917.93	197.34	319.89
1420	SLU-237	4913.11	2646.36	197.46	320.10
1421	SLU-237	5077.94	2289.63	198.25	321.38
1422	SLU-237	5036.11	2386.18	196.99	319.33
1423	SLU-238	4924.10	1878.73	198.24	321.35
1424	SLU-238	5676.16	2119.34	196.92	319.21
1425	SLU-238	5678.13	1905.21	197.28	319.80
1426	SLU-238	4948.89	2118.06	197.38	319.97
1427	SLU-238	5373.53	2021.62	197.99	320.95
1428	SLU-238	5360.03	2079.54	196.33	318.27
1429	SLU-239	4971.41	1813.41	199.67	323.68
1430	SLU-239	5737.63	2038.28	198.11	321.15
1431	SLU-239	5001.29	2042.91	198.85	322.34
1432	SLU-239	5723.10	1833.13	198.46	321.71
1433	SLU-239	5404.03	1960.29	199.23	322.96
1434	SLU-239	5427.21	1991.83	197.51	320.18
1435	SLU-240	4969.72	1829.86	198.27	321.42
1436	SLU-240	5201.74	2590.51	199.22	322.95
1437	SLU-240	4987.39	2592.70	198.86	322.36
1438	SLU-240	5197.15	1866.54	198.63	321.99
1439	SLU-240	5145.86	2246.03	199.90	324.06
1440	SLU-240	5118.27	2318.05	198.07	321.08
1441	SLU-241	4724.16	2083.62	146.33	237.21
1442	SLU-241	4932.79	2866.06	146.61	237.67
1443	SLU-241	4946.07	2121.08	146.54	237.55
1444	SLU-241	4729.67	2849.51	146.45	237.41
1445	SLU-241	4894.50	2492.78	148.18	240.20
1446	SLU-241	4852.66	2589.33	145.05	235.13
1447	SLU-242	4740.65	2081.88	147.49	239.09
1448	SLU-242	5492.71	2322.49	146.17	236.95
1449	SLU-242	5494.68	2108.36	146.46	237.41
1450	SLU-242	4765.44	2321.20	146.45	237.41
1451	SLU-242	5190.09	2224.76	148.24	240.31
1452	SLU-242	5176.58	2282.69	144.44	234.15
1453	SLU-243	4770.12	2035.71	149.32	242.06
1454	SLU-243	5536.33	2260.57	147.62	239.30
1455	SLU-243	4800.00	2265.20	148.45	240.65
1456	SLU-243	5521.80	2055.42	147.95	239.84
1457	SLU-243	5202.74	2182.58	149.64	242.58
1458	SLU-243	5225.91	2214.13	146.18	236.96
1459	SLU-244	4768.42	2052.16	148.21	240.27
1460	SLU-244	5000.45	2812.80	148.72	241.09
1461	SLU-244	4786.09	2815.00	148.43	240.61
1462	SLU-244	4995.86	2088.84	148.16	240.17
1463	SLU-244	4944.57	2468.33	150.46	243.91
1464	SLU-244	4916.97	2540.34	146.56	237.58
1465	SLU-245	4678.52	2011.07	146.59	237.63
1466	SLU-245	4887.15	2793.51	146.87	238.09

1467	SLU-245	4900.44	2048.52	146.80	237.97
1468	SLU-245	4684.03	2776.96	146.71	237.83
1469	SLU-245	4848.86	2420.22	148.44	240.63
1470	SLU-245	4807.03	2516.77	145.30	235.55
1471	SLU-246	4695.02	2009.33	147.75	239.52
1472	SLU-246	5447.08	2249.94	146.43	237.37
1473	SLU-246	5449.05	2035.81	146.72	237.84
1474	SLU-246	4719.81	2248.65	146.71	237.83
1475	SLU-246	5144.45	2152.21	148.51	240.75
1476	SLU-246	5130.95	2210.13	144.70	234.57
1477	SLU-247	4703.49	1984.15	149.60	242.51
1478	SLU-247	5469.70	2209.01	147.89	239.74
1479	SLU-247	4733.37	2213.64	148.72	241.09
1480	SLU-247	5455.17	2003.87	148.22	240.28
1481	SLU-247	5136.11	2131.03	149.92	243.03
1482	SLU-247	5159.28	2162.57	146.45	237.40
1483	SLU-248	4701.79	2000.60	148.49	240.71
1484	SLU-248	4933.82	2761.24	148.99	241.53
1485	SLU-248	4719.46	2763.44	148.70	241.05
1486	SLU-248	4929.23	2037.28	148.43	240.62
1487	SLU-248	4877.94	2416.77	150.74	244.36
1488	SLU-248	4850.34	2488.79	146.82	238.01
1489	SLU-249	4793.98	2136.66	146.82	238.01
1490	SLU-249	5002.62	2919.10	147.10	238.46
1491	SLU-249	5015.90	2174.12	147.03	238.34
1492	SLU-249	4799.49	2902.55	146.94	238.20
1493	SLU-249	4964.32	2545.82	148.67	241.00
1494	SLU-249	4922.49	2642.37	145.53	235.91
1495	SLU-250	4810.48	2134.92	147.98	239.88
1496	SLU-250	5562.54	2375.53	146.66	237.74
1497	SLU-250	5564.51	2161.40	146.94	238.21
1498	SLU-250	4835.27	2374.24	146.94	238.20
1499	SLU-250	5259.91	2277.80	148.74	241.12
1500	SLU-250	5246.41	2335.73	144.92	234.93
1501	SLU-251	4833.85	2094.84	149.80	242.84
1502	SLU-251	5600.07	2319.70	148.10	240.07
1503	SLU-251	4863.73	2324.33	148.93	241.42
1504	SLU-251	5585.54	2114.55	148.43	240.61
1505	SLU-251	5266.48	2241.71	150.13	243.37
1506	SLU-251	5289.65	2273.26	146.65	237.73
1507	SLU-252	4832.16	2111.29	148.70	241.05
1508	SLU-252	5064.18	2871.93	149.20	241.86
1509	SLU-252	4849.83	2874.13	148.90	241.38
1510	SLU-252	5059.59	2147.97	148.64	240.95
1511	SLU-252	5008.30	2527.46	150.95	244.70
1512	SLU-252	4980.71	2599.47	147.03	238.34
1513	SLU-253	4748.35	2064.11	147.08	238.43
1514	SLU-253	4956.98	2846.55	147.36	238.88
1515	SLU-253	4970.26	2101.56	147.29	238.77

1516	SLU-253	4753.86	2830.00	147.20	238.62
1517	SLU-253	4918.69	2473.26	148.94	241.44
1518	SLU-253	4876.86	2569.81	145.78	236.32
1519	SLU-254	4764.84	2062.36	148.24	240.31
1520	SLU-254	5516.90	2302.97	146.92	238.17
1521	SLU-254	5518.87	2088.85	147.21	238.63
1522	SLU-254	4789.64	2301.69	147.20	238.62
1523	SLU-254	5214.28	2205.25	149.01	241.56
1524	SLU-254	5200.77	2263.17	145.18	235.35
1525	SLU-255	4767.22	2043.28	150.08	243.28
1526	SLU-255	5533.44	2268.14	148.37	240.52
1527	SLU-255	4797.10	2272.77	149.20	241.87
1528	SLU-255	5518.91	2063.00	148.70	241.06
1529	SLU-255	5199.85	2190.16	150.41	243.82
1530	SLU-255	5223.02	2221.70	146.92	238.16
1531	SLU-256	4765.53	2059.73	148.97	241.49
1532	SLU-256	4997.55	2820.38	149.47	242.30
1533	SLU-256	4783.20	2822.57	149.18	241.83
1534	SLU-256	4992.96	2096.41	148.91	241.39
1535	SLU-256	4941.67	2475.90	151.23	245.15
1536	SLU-256	4914.08	2547.92	147.29	238.77
1541	SLV-SISMA-X	4351.46	531.27	276.48	448.19
1542	SLV-SISMA-X	4581.70	797.26	274.82	445.51
1543	SLV-SISMA-Y	4083.28	804.38	243.61	394.90
1544	SLV-SISMA-Y	4308.59	1065.44	242.93	393.81
1545	SLV-SISMA-Z	3111.36	1389.58	112.12	181.75
1546	SLV-SISMA-Z	3723.39	2037.36	110.76	179.54
1547	SLE-R-1	3226.00	1797.29	83.43	135.24
1548	SLE-R-1	3564.62	2894.04	85.81	139.10
1549	SLE-R-1	3574.83	1836.04	84.63	137.19
1550	SLE-R-1	3424.41	2685.88	85.12	137.98
1551	SLE-R-1	3417.07	2378.17	83.48	135.32
1552	SLE-R-1	3472.74	2433.85	86.99	141.01
1553	SLE-R-2	3248.25	1794.60	85.23	138.17
1554	SLE-R-2	4347.16	2140.25	84.21	136.51
1555	SLE-R-2	4342.29	1811.52	84.67	137.25
1556	SLE-R-2	3291.51	2136.25	84.91	137.65
1557	SLE-R-2	3811.19	2025.01	82.85	134.30
1558	SLE-R-2	3926.16	2001.37	86.47	140.17
1559	SLE-R-3	3214.34	1807.65	84.62	137.18
1560	SLE-R-3	4334.92	2122.44	83.67	135.64
1561	SLE-R-3	3262.86	2146.71	83.99	136.15
1562	SLE-R-3	4307.05	1801.94	84.11	136.35
1563	SLE-R-3	3761.81	2032.13	82.56	133.84
1564	SLE-R-3	3918.23	1987.06	85.34	138.34
1565	SLE-R-4	3211.50	1830.05	82.76	134.15
1566	SLE-R-4	3571.16	2914.95	84.68	137.28
1567	SLE-R-4	3394.10	2758.42	83.97	136.12
1568	SLE-R-4	3568.95	1857.50	84.07	136.29

1569	SLE-R-4	3395.88	2439.02	82.47	133.69
1570	SLE-R-4	3488.59	2437.64	86.07	139.52
1571	SLE-R-5	3183.03	1741.77	83.27	134.99
1572	SLE-R-5	3521.66	2838.51	85.65	138.84
1573	SLE-R-5	3531.86	1780.51	84.47	136.94
1574	SLE-R-5	3363.94	2647.85	84.95	137.72
1575	SLE-R-5	3374.11	2322.64	83.33	135.08
1576	SLE-R-5	3429.77	2378.33	86.81	140.73
1577	SLE-R-6	3205.29	1739.08	85.08	137.92
1578	SLE-R-6	4304.19	2084.73	84.05	136.25
1579	SLE-R-6	4299.33	1756.00	84.51	136.99
1580	SLE-R-6	3248.55	2080.72	84.75	137.39
1581	SLE-R-6	3768.23	1969.49	82.70	134.07
1582	SLE-R-6	3883.19	1945.85	86.29	139.89
1583	SLE-R-7	3153.88	1769.62	84.48	136.95
1584	SLE-R-7	4274.46	2084.41	83.52	135.39
1585	SLE-R-7	3202.39	2108.68	83.84	135.92
1586	SLE-R-7	4246.59	1763.91	83.96	136.11
1587	SLE-R-7	3701.35	1994.10	82.43	133.62
1588	SLE-R-7	3857.77	1949.03	85.18	138.08
1589	SLE-R-8	3151.04	1792.02	82.61	133.92
1590	SLE-R-8	3510.70	2876.92	84.54	137.04
1591	SLE-R-8	3351.13	2702.89	83.82	135.88
1592	SLE-R-8	3508.49	1819.48	83.93	136.05
1593	SLE-R-8	3335.42	2400.99	82.34	133.47
1594	SLE-R-8	3428.13	2399.61	85.91	139.27
1595	SLE-R-9	3249.65	1822.79	83.30	135.03
1596	SLE-R-9	3588.28	2919.53	85.68	138.89
1597	SLE-R-9	3598.48	1861.53	84.50	136.98
1598	SLE-R-9	3445.62	2713.81	84.98	137.76
1599	SLE-R-9	3440.72	2403.66	83.36	135.13
1600	SLE-R-9	3496.39	2459.35	86.84	140.78
1601	SLE-R-10	3271.90	1820.10	85.11	137.96
1602	SLE-R-10	4370.81	2165.74	84.08	136.29
1603	SLE-R-10	4365.95	1837.02	84.54	137.04
1604	SLE-R-10	3315.16	2161.74	84.78	137.43
1605	SLE-R-10	3834.84	2050.51	82.73	134.11
1606	SLE-R-10	3949.81	2026.86	86.32	139.93
1607	SLE-R-11	3235.56	1835.58	84.49	136.96
1608	SLE-R-11	4356.14	2150.37	83.53	135.41
1609	SLE-R-11	3284.07	2174.64	83.86	135.94
1610	SLE-R-11	4328.26	1829.87	83.98	136.13
1611	SLE-R-11	3783.03	2060.06	82.44	133.63
1612	SLE-R-11	3939.45	2014.99	85.19	138.10
1613	SLE-R-12	3232.72	1857.98	82.62	133.94
1614	SLE-R-12	3592.37	2942.88	84.55	137.06
1615	SLE-R-12	3417.75	2783.91	83.84	135.90
1616	SLE-R-12	3590.17	1885.44	83.94	136.07
1617	SLE-R-12	3417.09	2466.95	82.35	133.49

1618	SLE-R-12	3509.80	2465.57	85.92	139.29
1619	SLE-R-13	3206.68	1767.26	83.14	134.78
1620	SLE-R-13	3545.31	2864.01	85.52	138.63
1621	SLE-R-13	3555.52	1806.01	84.34	136.73
1622	SLE-R-13	3385.16	2675.78	84.82	137.50
1623	SLE-R-13	3397.76	2348.14	83.21	134.89
1624	SLE-R-13	3453.43	2403.82	86.67	140.50
1625	SLE-R-14	3228.94	1764.57	84.95	137.71
1626	SLE-R-14	4327.85	2110.22	83.92	136.04
1627	SLE-R-14	4322.98	1781.49	84.38	136.78
1628	SLE-R-14	3272.20	2106.22	84.62	137.18
1629	SLE-R-14	3791.88	1994.98	82.59	133.88
1630	SLE-R-14	3906.85	1971.34	86.15	139.66
1631	SLE-R-15	3175.09	1797.55	84.35	136.74
1632	SLE-R-15	4295.68	2112.34	83.38	135.17
1633	SLE-R-15	3223.61	2136.61	83.71	135.70
1634	SLE-R-15	4267.80	1791.84	83.83	135.89
1635	SLE-R-15	3722.57	2022.03	82.30	133.42
1636	SLE-R-15	3878.99	1976.96	85.03	137.85
1637	SLE-R-16	3172.25	1819.96	82.48	133.71
1638	SLE-R-16	3531.91	2904.86	84.40	136.83
1639	SLE-R-16	3374.79	2728.39	83.69	135.67
1640	SLE-R-16	3529.71	1847.41	83.79	135.83
1641	SLE-R-16	3356.63	2428.92	82.22	133.28
1642	SLE-R-16	3449.34	2427.54	85.77	139.03
1643	SLE-R-17	3014.77	2067.57	72.67	117.80
1644	SLE-R-17	3169.31	2647.16	73.55	119.23
1645	SLE-R-17	3179.15	2095.31	73.15	118.58
1646	SLE-R-17	3018.85	2634.89	73.32	118.86
1647	SLE-R-17	3140.95	2370.65	73.53	119.19
1648	SLE-R-17	3109.96	2442.17	73.36	118.93
1649	SLE-R-18	3026.99	2066.28	73.76	119.57
1650	SLE-R-18	3584.07	2244.51	72.84	118.08
1651	SLE-R-18	3585.53	2085.89	73.12	118.53
1652	SLE-R-18	3045.35	2243.56	73.23	118.71
1653	SLE-R-18	3359.90	2172.12	73.22	118.70
1654	SLE-R-18	3349.90	2215.03	72.89	118.16
1655	SLE-R-19	3090.96	1990.08	79.73	129.24
1656	SLE-R-19	3658.53	2156.64	78.70	127.58
1657	SLE-R-19	3113.09	2160.07	79.17	128.34
1658	SLE-R-19	3647.76	2004.68	78.94	127.97
1659	SLE-R-19	3411.42	2098.88	79.12	128.26
1660	SLE-R-19	3428.59	2122.24	78.63	127.47
1661	SLE-R-20	3089.71	2002.26	78.64	127.48
1662	SLE-R-20	3261.58	2565.70	79.47	128.83
1663	SLE-R-20	3102.79	2567.33	79.19	128.38
1664	SLE-R-20	3258.18	2029.43	79.05	128.15
1665	SLE-R-20	3220.18	2310.54	79.54	128.94
1666	SLE-R-20	3199.74	2363.88	79.09	128.21

1667	SLE-R-21	2976.74	2007.11	72.69	117.84
1668	SLE-R-21	3131.29	2586.70	73.57	119.26
1669	SLE-R-21	3141.13	2034.85	73.18	118.62
1670	SLE-R-21	2980.82	2574.43	73.34	118.89
1671	SLE-R-21	3102.92	2310.19	73.56	119.24
1672	SLE-R-21	3071.93	2381.70	73.38	118.95
1673	SLE-R-22	2988.96	2005.82	73.79	119.61
1674	SLE-R-22	3546.04	2184.05	72.87	118.12
1675	SLE-R-22	3547.50	2025.43	73.14	118.57
1676	SLE-R-22	3007.33	2183.09	73.26	118.75
1677	SLE-R-22	3321.88	2111.66	73.26	118.75
1678	SLE-R-22	3311.87	2154.56	72.90	118.18
1679	SLE-R-23	3035.44	1947.12	79.77	129.31
1680	SLE-R-23	3603.00	2113.68	78.74	127.64
1681	SLE-R-23	3057.57	2117.11	79.21	128.41
1682	SLE-R-23	3592.24	1961.72	78.98	128.03
1683	SLE-R-23	3355.90	2055.91	79.17	128.34
1684	SLE-R-23	3373.06	2079.28	78.66	127.52
1685	SLE-R-24	3034.18	1959.30	78.68	127.55
1686	SLE-R-24	3206.05	2522.74	79.51	128.89
1687	SLE-R-24	3047.27	2524.37	79.23	128.44
1688	SLE-R-24	3202.65	1986.47	79.09	128.21
1689	SLE-R-24	3164.66	2267.57	79.59	129.02
1690	SLE-R-24	3144.22	2320.92	79.12	128.26
1691	SLE-R-25	3042.70	2088.79	72.70	117.85
1692	SLE-R-25	3197.25	2668.37	73.58	119.27
1693	SLE-R-25	3207.08	2116.53	73.18	118.63
1694	SLE-R-25	3046.78	2656.11	73.35	118.90
1695	SLE-R-25	3168.88	2391.86	73.56	119.25
1696	SLE-R-25	3137.89	2463.38	73.38	118.96
1697	SLE-R-26	3054.92	2087.49	73.79	119.62
1698	SLE-R-26	3612.00	2265.72	72.87	118.13
1699	SLE-R-26	3613.46	2107.11	73.15	118.58
1700	SLE-R-26	3073.29	2264.77	73.26	118.76
1701	SLE-R-26	3387.84	2193.33	73.26	118.76
1702	SLE-R-26	3377.83	2236.24	72.91	118.19
1703	SLE-R-27	3116.46	2013.73	79.75	129.28
1704	SLE-R-27	3684.02	2180.30	78.72	127.62
1705	SLE-R-27	3138.59	2183.73	79.20	128.38
1706	SLE-R-27	3673.26	2028.34	78.97	128.01
1707	SLE-R-27	3436.92	2122.53	79.15	128.31
1708	SLE-R-27	3454.08	2145.89	78.65	127.50
1709	SLE-R-28	3115.20	2025.92	78.67	127.53
1710	SLE-R-28	3287.07	2589.36	79.50	128.87
1711	SLE-R-28	3128.29	2590.98	79.22	128.42
1712	SLE-R-28	3283.67	2053.09	79.08	128.19
1713	SLE-R-28	3245.68	2334.19	79.57	128.99
1714	SLE-R-28	3225.24	2387.54	79.11	128.24
1715	SLE-R-29	3004.67	2028.32	72.73	117.89

1716	SLE-R-29	3159.22	2607.91	73.60	119.31
1717	SLE-R-29	3169.06	2056.07	73.21	118.67
1718	SLE-R-29	3008.76	2595.65	73.37	118.94
1719	SLE-R-29	3130.85	2331.40	73.60	119.30
1720	SLE-R-29	3099.86	2402.92	73.40	118.99
1721	SLE-R-30	3016.89	2027.03	73.82	119.66
1722	SLE-R-30	3573.97	2205.26	72.90	118.17
1723	SLE-R-30	3575.43	2046.65	73.17	118.62
1724	SLE-R-30	3035.26	2204.31	73.29	118.80
1725	SLE-R-30	3349.81	2132.87	73.30	118.82
1726	SLE-R-30	3339.80	2175.78	72.93	118.22
1727	SLE-R-31	3060.93	1970.77	79.79	129.35
1728	SLE-R-31	3628.50	2137.33	78.76	127.68
1729	SLE-R-31	3083.06	2140.76	79.24	128.45
1730	SLE-R-31	3617.73	1985.37	79.01	128.08
1731	SLE-R-31	3381.39	2079.56	79.20	128.39
1732	SLE-R-31	3398.55	2102.93	78.68	127.55
1733	SLE-R-32	3059.67	1982.95	78.71	127.59
1734	SLE-R-32	3231.54	2546.39	79.54	128.93
1735	SLE-R-32	3072.76	2548.02	79.26	128.48
1736	SLE-R-32	3228.14	2010.12	79.12	128.25
1737	SLE-R-32	3190.15	2291.23	79.62	129.07
1738	SLE-R-32	3169.71	2344.57	79.14	128.28
1739	SLE-R-33	3581.51	1501.34	112.65	182.61
1740	SLE-R-33	3748.08	2068.90	113.91	184.65
1741	SLE-R-33	3751.51	1523.47	113.29	183.64
1742	SLE-R-33	3596.12	2058.14	113.67	184.27
1743	SLE-R-33	3690.31	1821.80	112.27	182.01
1744	SLE-R-33	3713.68	1838.96	115.13	186.64
1745	SLE-R-34	3593.70	1500.08	113.39	183.81
1746	SLE-R-34	4157.14	1671.95	113.11	183.36
1747	SLE-R-34	4158.77	1513.17	113.31	183.69
1748	SLE-R-34	3620.87	1668.55	113.51	184.01
1749	SLE-R-34	3901.97	1630.56	111.66	181.01
1750	SLE-R-34	3955.32	1610.12	114.91	186.28
1751	SLE-R-35	3541.50	1540.05	108.17	175.34
1752	SLE-R-35	4121.09	1694.59	108.14	175.30
1753	SLE-R-35	3569.25	1704.43	108.10	175.24
1754	SLE-R-35	4108.83	1544.13	108.22	175.43
1755	SLE-R-35	3844.58	1666.23	106.75	173.04
1756	SLE-R-35	3916.10	1635.24	109.51	177.52
1757	SLE-R-36	3540.21	1552.27	107.41	174.12
1758	SLE-R-36	3718.44	2109.35	108.35	175.64
1759	SLE-R-36	3559.83	2110.81	108.16	175.34
1760	SLE-R-36	3717.49	1570.63	108.20	175.39
1761	SLE-R-36	3646.05	1885.18	106.62	172.84
1762	SLE-R-36	3688.96	1875.18	109.91	178.18
1763	SLE-R-37	3538.55	1445.81	112.39	182.19
1764	SLE-R-37	3705.11	2013.38	113.65	184.24

1765	SLE-R-37	3708.54	1467.94	113.03	183.23
1766	SLE-R-37	3553.15	2002.61	113.41	183.85
1767	SLE-R-37	3647.35	1766.27	112.02	181.60
1768	SLE-R-37	3670.71	1783.43	114.88	186.22
1769	SLE-R-38	3550.73	1444.55	113.14	183.41
1770	SLE-R-38	4114.17	1616.42	112.86	182.95
1771	SLE-R-38	4115.80	1457.64	113.06	183.27
1772	SLE-R-38	3577.90	1613.02	113.26	183.60
1773	SLE-R-38	3859.01	1575.03	111.41	180.60
1774	SLE-R-38	3912.35	1554.59	114.65	185.86
1775	SLE-R-39	3481.04	1502.02	107.91	174.93
1776	SLE-R-39	4060.63	1656.56	107.88	174.88
1777	SLE-R-39	3508.79	1666.40	107.84	174.82
1778	SLE-R-39	4048.37	1506.10	107.97	175.02
1779	SLE-R-39	3784.12	1628.20	106.49	172.63
1780	SLE-R-39	3855.64	1597.21	109.25	177.10
1781	SLE-R-40	3479.75	1514.24	107.15	173.70
1782	SLE-R-40	3657.98	2071.32	108.09	175.23
1783	SLE-R-40	3499.37	2072.78	107.91	174.93
1784	SLE-R-40	3657.03	1532.60	107.94	174.98
1785	SLE-R-40	3585.59	1847.15	106.37	172.43
1786	SLE-R-40	3628.50	1837.15	109.66	177.76
1787	SLE-R-41	3605.17	1526.83	112.43	182.26
1788	SLE-R-41	3771.73	2094.39	113.69	184.30
1789	SLE-R-41	3775.16	1548.96	113.07	183.30
1790	SLE-R-41	3619.77	2083.63	113.45	183.92
1791	SLE-R-41	3713.96	1847.29	112.06	181.66
1792	SLE-R-41	3737.33	1864.45	114.92	186.29
1793	SLE-R-42	3617.35	1525.57	113.18	183.47
1794	SLE-R-42	4180.79	1697.44	112.90	183.02
1795	SLE-R-42	4182.42	1538.66	113.10	183.34
1796	SLE-R-42	3644.52	1694.04	113.30	183.66
1797	SLE-R-42	3925.63	1656.05	111.45	180.66
1798	SLE-R-42	3978.97	1635.61	114.69	185.92
1799	SLE-R-43	3562.72	1567.98	107.94	174.98
1800	SLE-R-43	4142.30	1722.52	107.91	174.93
1801	SLE-R-43	3590.46	1732.36	107.87	174.87
1802	SLE-R-43	4130.04	1572.06	107.99	175.07
1803	SLE-R-43	3865.80	1694.16	106.52	172.68
1804	SLE-R-43	3937.31	1663.17	109.28	177.14
1805	SLE-R-44	3561.43	1580.20	107.18	173.75
1806	SLE-R-44	3739.66	2137.28	108.12	175.27
1807	SLE-R-44	3581.04	2138.74	107.94	174.97
1808	SLE-R-44	3738.70	1598.56	107.97	175.03
1809	SLE-R-44	3667.27	1913.11	106.40	172.48
1810	SLE-R-44	3710.17	1903.11	109.68	177.81
1811	SLE-R-45	3562.20	1471.30	112.18	181.85
1812	SLE-R-45	3728.77	2038.87	113.44	183.89
1813	SLE-R-45	3732.20	1493.44	112.82	182.88

1814	SLE-R-45	3576.81	2028.11	113.20	183.51
1815	SLE-R-45	3671.00	1791.76	111.81	181.25
1816	SLE-R-45	3694.36	1808.93	114.66	185.87
1817	SLE-R-46	3574.39	1470.05	112.93	183.06
1818	SLE-R-46	4137.83	1641.92	112.64	182.60
1819	SLE-R-46	4139.45	1483.14	112.84	182.93
1820	SLE-R-46	3601.56	1638.52	113.04	183.25
1821	SLE-R-46	3882.66	1600.53	111.20	180.26
1822	SLE-R-46	3936.01	1580.09	114.43	185.51
1823	SLE-R-47	3502.26	1529.95	107.69	174.57
1824	SLE-R-47	4081.84	1684.49	107.65	174.52
1825	SLE-R-47	3530.00	1694.33	107.62	174.46
1826	SLE-R-47	4069.58	1534.03	107.74	174.65
1827	SLE-R-47	3805.33	1656.13	106.27	172.27
1828	SLE-R-47	3876.85	1625.14	109.02	176.73
1829	SLE-R-48	3500.96	1542.17	106.93	173.33
1830	SLE-R-48	3679.19	2099.25	107.87	174.86
1831	SLE-R-48	3520.58	2100.71	107.68	174.56
1832	SLE-R-48	3678.24	1560.53	107.72	174.61
1833	SLE-R-48	3606.80	1875.08	106.15	172.07
1834	SLE-R-48	3649.71	1865.08	109.43	177.39
1835	SLE-R-49	3367.57	1715.22	99.05	160.57
1836	SLE-R-49	3534.14	2282.78	100.25	162.51
1837	SLE-R-49	3537.57	1737.35	99.68	161.59
1838	SLE-R-49	3382.17	2272.02	99.99	162.09
1839	SLE-R-49	3476.37	2035.68	99.28	160.94
1840	SLE-R-49	3499.73	2052.84	100.87	163.52
1841	SLE-R-50	3379.76	1713.96	100.06	162.20
1842	SLE-R-50	3943.20	1885.83	99.42	161.16
1843	SLE-R-50	3944.82	1727.05	99.68	161.59
1844	SLE-R-50	3406.92	1882.43	99.86	161.87
1845	SLE-R-50	3688.03	1844.44	98.76	160.10
1846	SLE-R-50	3741.37	1824.00	100.49	162.91
1847	SLE-R-51	3143.29	1938.20	69.82	113.19
1848	SLE-R-51	3722.88	2092.74	69.44	112.57
1849	SLE-R-51	3171.03	2102.58	69.58	112.79
1850	SLE-R-51	3710.61	1942.28	69.59	112.81
1851	SLE-R-51	3446.37	2064.38	68.55	111.12
1852	SLE-R-51	3517.89	2033.39	70.45	114.20
1853	SLE-R-52	3142.00	1950.42	68.87	111.64
1854	SLE-R-52	3320.23	2507.50	69.87	113.26
1855	SLE-R-52	3161.61	2508.96	69.63	112.88
1856	SLE-R-52	3319.27	1968.78	69.61	112.84
1857	SLE-R-52	3247.84	2283.33	68.61	111.21
1858	SLE-R-52	3290.74	2273.33	70.91	114.95
1859	SLE-R-53	3324.61	1659.69	98.92	160.35
1860	SLE-R-53	3491.17	2227.26	100.11	162.29
1861	SLE-R-53	3494.60	1681.82	99.54	161.37
1862	SLE-R-53	3339.21	2216.49	99.86	161.87

1863	SLE-R-53	3433.40	1980.15	99.15	160.73
1864	SLE-R-53	3456.77	1997.31	100.73	163.29
1865	SLE-R-54	3336.79	1658.43	99.92	161.98
1866	SLE-R-54	3900.23	1830.30	99.28	160.94
1867	SLE-R-54	3901.86	1671.52	99.54	161.37
1868	SLE-R-54	3363.96	1826.90	99.72	161.65
1869	SLE-R-54	3645.07	1788.91	98.63	159.89
1870	SLE-R-54	3698.41	1768.47	100.35	162.67
1871	SLE-R-55	3082.83	1900.17	69.65	112.90
1872	SLE-R-55	3662.41	2054.71	69.26	112.28
1873	SLE-R-55	3110.57	2064.55	69.40	112.50
1874	SLE-R-55	3650.15	1904.25	69.41	112.52
1875	SLE-R-55	3385.91	2026.35	68.38	110.84
1876	SLE-R-55	3457.42	1995.36	70.26	113.90
1877	SLE-R-56	3081.54	1912.39	68.69	111.36
1878	SLE-R-56	3259.77	2469.47	69.69	112.97
1879	SLE-R-56	3101.15	2470.93	69.46	112.59
1880	SLE-R-56	3258.81	1930.75	69.43	112.55
1881	SLE-R-56	3187.38	2245.30	68.44	110.94
1882	SLE-R-56	3230.28	2235.30	70.73	114.65
1883	SLE-R-57	3391.22	1740.71	98.94	160.39
1884	SLE-R-57	3557.79	2308.28	100.14	162.33
1885	SLE-R-57	3561.22	1762.84	99.57	161.41
1886	SLE-R-57	3405.83	2297.51	99.88	161.91
1887	SLE-R-57	3500.02	2061.17	99.18	160.77
1888	SLE-R-57	3523.39	2078.33	100.75	163.33
1889	SLE-R-58	3403.41	1739.45	99.95	162.02
1890	SLE-R-58	3966.85	1911.32	99.31	160.98
1891	SLE-R-58	3968.47	1752.54	99.57	161.41
1892	SLE-R-58	3430.58	1907.92	99.74	161.69
1893	SLE-R-58	3711.68	1869.93	98.66	159.93
1894	SLE-R-58	3765.03	1849.49	100.38	162.72
1895	SLE-R-59	3164.51	1966.13	69.66	112.93
1896	SLE-R-59	3744.09	2120.67	69.28	112.30
1897	SLE-R-59	3192.25	2130.51	69.42	112.53
1898	SLE-R-59	3731.83	1970.21	69.43	112.54
1899	SLE-R-59	3467.58	2092.31	68.39	110.87
1900	SLE-R-59	3539.10	2061.32	70.28	113.93
1901	SLE-R-60	3163.21	1978.35	68.71	111.38
1902	SLE-R-60	3341.44	2535.43	69.71	113.00
1903	SLE-R-60	3182.83	2536.89	69.47	112.62
1904	SLE-R-60	3340.49	1996.71	69.45	112.58
1905	SLE-R-60	3269.05	2311.26	68.45	110.97
1906	SLE-R-60	3311.96	2301.26	70.75	114.68
1907	SLE-R-61	3348.26	1685.18	98.81	160.18
1908	SLE-R-61	3514.82	2252.75	100.00	162.11
1909	SLE-R-61	3518.25	1707.32	99.43	161.19
1910	SLE-R-61	3362.86	2241.99	99.75	161.69
1911	SLE-R-61	3457.05	2005.64	99.05	160.56

1912	SLE-R-61	3480.42	2022.81	100.61	163.10
1913	SLE-R-62	3360.44	1683.93	99.82	161.81
1914	SLE-R-62	3923.88	1855.80	99.17	160.76
1915	SLE-R-62	3925.51	1697.02	99.43	161.19
1916	SLE-R-62	3387.61	1852.40	99.61	161.47
1917	SLE-R-62	3668.72	1814.41	98.53	159.72
1918	SLE-R-62	3722.06	1793.97	100.23	162.49
1919	SLE-R-63	3104.04	1928.10	69.49	112.65
1920	SLE-R-63	3683.63	2082.64	69.10	112.01
1921	SLE-R-63	3131.79	2092.48	69.24	112.24
1922	SLE-R-63	3671.37	1932.18	69.25	112.26
1923	SLE-R-63	3407.12	2054.28	68.22	110.59
1924	SLE-R-63	3478.64	2023.29	70.10	113.63
1925	SLE-R-64	3102.75	1940.32	68.53	111.10
1926	SLE-R-64	3280.98	2497.40	69.53	112.72
1927	SLE-R-64	3122.37	2498.86	69.30	112.33
1928	SLE-R-64	3280.03	1958.68	69.27	112.29
1929	SLE-R-64	3208.59	2273.23	68.28	110.69
1930	SLE-R-64	3251.50	2263.23	70.56	114.38
1931	SLE-R-65	3270.69	1811.89	85.82	139.11
1932	SLE-R-65	3437.25	2379.45	87.03	141.09
1933	SLE-R-65	3440.68	1834.02	86.45	140.14
1934	SLE-R-65	3285.29	2368.69	86.78	140.67
1935	SLE-R-65	3379.48	2132.35	85.96	139.35
1936	SLE-R-65	3402.85	2149.51	87.76	142.26
1937	SLE-R-66	3282.87	1810.63	86.79	140.70
1938	SLE-R-66	3846.31	1982.50	86.20	139.74
1939	SLE-R-66	3847.94	1823.72	86.45	140.15
1940	SLE-R-66	3310.04	1979.10	86.64	140.44
1941	SLE-R-66	3591.14	1941.11	85.42	138.47
1942	SLE-R-66	3644.49	1920.67	87.40	141.68
1943	SLE-R-67	3231.90	1849.37	82.35	133.50
1944	SLE-R-67	3811.49	2003.91	81.86	132.70
1945	SLE-R-67	3259.64	2013.75	82.05	133.01
1946	SLE-R-67	3799.22	1853.45	82.03	132.97
1947	SLE-R-67	3534.98	1975.55	81.15	131.55
1948	SLE-R-67	3606.50	1944.56	82.73	134.10
1949	SLE-R-68	3230.61	1861.59	81.36	131.88
1950	SLE-R-68	3408.84	2418.67	82.35	133.50
1951	SLE-R-68	3250.22	2420.13	82.10	133.10
1952	SLE-R-68	3407.89	1879.95	82.06	133.03
1953	SLE-R-68	3336.45	2194.50	81.26	131.73
1954	SLE-R-68	3379.36	2184.50	83.20	134.87
1955	SLE-R-69	3227.72	1756.36	85.66	138.86
1956	SLE-R-69	3394.28	2323.93	86.88	140.84
1957	SLE-R-69	3397.72	1778.49	86.30	139.89
1958	SLE-R-69	3242.32	2313.16	86.62	140.42
1959	SLE-R-69	3336.52	2076.82	85.81	139.11
1960	SLE-R-69	3359.88	2093.98	87.59	142.00

1961	SLE-R-70	3239.90	1755.10	86.64	140.45
1962	SLE-R-70	3803.35	1926.97	86.04	139.48
1963	SLE-R-70	3804.97	1768.19	86.30	139.90
1964	SLE-R-70	3267.07	1923.57	86.48	140.19
1965	SLE-R-70	3548.18	1885.58	85.27	138.23
1966	SLE-R-70	3601.52	1865.14	87.24	141.41
1967	SLE-R-71	3171.44	1811.34	82.21	133.26
1968	SLE-R-71	3751.03	1965.88	81.71	132.46
1969	SLE-R-71	3199.18	1975.72	81.90	132.77
1970	SLE-R-71	3738.76	1815.42	81.88	132.73
1971	SLE-R-71	3474.52	1937.52	81.01	131.31
1972	SLE-R-71	3546.03	1906.53	82.57	133.85
1973	SLE-R-72	3170.15	1823.56	81.21	131.64
1974	SLE-R-72	3348.38	2380.64	82.21	133.26
1975	SLE-R-72	3189.76	2382.10	81.96	132.86
1976	SLE-R-72	3347.42	1841.92	81.91	132.78
1977	SLE-R-72	3275.99	2156.47	81.12	131.50
1978	SLE-R-72	3318.89	2146.47	83.04	134.62
1979	SLE-R-73	3294.34	1837.38	85.69	138.91
1980	SLE-R-73	3460.90	2404.94	86.91	140.88
1981	SLE-R-73	3464.33	1859.51	86.33	139.94
1982	SLE-R-73	3308.94	2394.18	86.65	140.47
1983	SLE-R-73	3403.13	2157.84	85.84	139.15
1984	SLE-R-73	3426.50	2175.00	87.62	142.04
1985	SLE-R-74	3306.52	1836.12	86.67	140.50
1986	SLE-R-74	3869.96	2007.99	86.07	139.53
1987	SLE-R-74	3871.59	1849.21	86.33	139.94
1988	SLE-R-74	3333.69	2004.59	86.51	140.24
1989	SLE-R-74	3614.80	1966.60	85.30	138.28
1990	SLE-R-74	3668.14	1946.16	87.26	141.46
1991	SLE-R-75	3253.12	1877.30	82.22	133.28
1992	SLE-R-75	3832.70	2031.84	81.72	132.48
1993	SLE-R-75	3280.86	2041.68	81.92	132.79
1994	SLE-R-75	3820.44	1881.38	81.89	132.75
1995	SLE-R-75	3556.19	2003.48	81.02	131.33
1996	SLE-R-75	3627.71	1972.49	82.58	133.87
1997	SLE-R-76	3251.82	1889.52	81.22	131.66
1998	SLE-R-76	3430.05	2446.60	82.22	133.28
1999	SLE-R-76	3271.44	2448.06	81.97	132.88
2000	SLE-R-76	3429.10	1907.88	81.92	132.80
2001	SLE-R-76	3357.66	2222.43	81.13	131.52
2002	SLE-R-76	3400.57	2212.43	83.06	134.64
2003	SLE-R-77	3251.37	1781.85	85.54	138.66
2004	SLE-R-77	3417.94	2349.42	86.75	140.63
2005	SLE-R-77	3421.37	1803.99	86.17	139.69
2006	SLE-R-77	3265.98	2338.66	86.50	140.22
2007	SLE-R-77	3360.17	2102.31	85.69	138.91
2008	SLE-R-77	3383.53	2119.48	87.46	141.78
2009	SLE-R-78	3263.56	1780.60	86.52	140.25

2010	SLE-R-78	3827.00	1952.47	85.92	139.28
2011	SLE-R-78	3828.62	1793.69	86.17	139.69
2012	SLE-R-78	3290.73	1949.07	86.36	139.99
2013	SLE-R-78	3571.83	1911.08	85.15	138.04
2014	SLE-R-78	3625.18	1890.64	87.10	141.20
2015	SLE-R-79	3192.65	1839.27	82.07	133.05
2016	SLE-R-79	3772.24	1993.81	81.57	132.24
2017	SLE-R-79	3220.40	2003.65	81.77	132.55
2018	SLE-R-79	3759.98	1843.35	81.74	132.51
2019	SLE-R-79	3495.73	1965.45	80.87	131.10
2020	SLE-R-79	3567.25	1934.46	82.43	133.62
2021	SLE-R-80	3191.36	1851.49	81.07	131.43
2022	SLE-R-80	3369.59	2408.57	82.07	133.04
2023	SLE-R-80	3210.98	2410.03	81.82	132.64
2024	SLE-R-80	3368.64	1869.86	81.78	132.56
2025	SLE-R-80	3297.20	2184.40	80.99	131.30
2026	SLE-R-80	3340.11	2174.40	82.90	134.39
2027	SLE-R-81	3575.61	1507.30	131.53	213.22
2028	SLE-R-81	3742.18	2074.86	132.68	215.09
2029	SLE-R-81	3745.61	1529.43	132.14	214.21
2030	SLE-R-81	3590.22	2064.10	132.43	214.68
2031	SLE-R-81	3684.41	1827.76	131.89	213.80
2032	SLE-R-81	3707.77	1844.92	133.14	215.84
2033	SLE-R-82	3587.80	1506.04	132.57	214.91
2034	SLE-R-82	4151.24	1677.91	131.86	213.76
2035	SLE-R-82	4152.86	1519.13	132.13	214.20
2036	SLE-R-82	3614.97	1674.51	132.30	214.47
2037	SLE-R-82	3896.07	1636.52	131.40	213.01
2038	SLE-R-82	3949.42	1616.08	132.74	215.18
2039	SLE-R-83	3542.98	1537.76	131.80	213.66
2040	SLE-R-83	4122.57	1692.30	131.11	212.54
2041	SLE-R-83	3570.73	1702.14	131.41	213.02
2042	SLE-R-83	4110.31	1541.84	131.31	212.87
2043	SLE-R-83	3846.06	1663.94	130.75	211.96
2044	SLE-R-83	3917.58	1632.95	131.68	213.47
2045	SLE-R-84	3541.69	1549.98	130.74	211.94
2046	SLE-R-84	3719.92	2107.06	131.72	213.52
2047	SLE-R-84	3561.31	2108.52	131.45	213.09
2048	SLE-R-84	3718.97	1568.34	131.37	212.96
2049	SLE-R-84	3647.53	1882.89	130.97	212.31
2050	SLE-R-84	3690.44	1872.89	132.17	214.25
2051	SLE-R-85	3532.65	1451.77	131.43	213.05
2052	SLE-R-85	3699.21	2019.34	132.58	214.92
2053	SLE-R-85	3702.64	1473.90	132.04	214.04
2054	SLE-R-85	3547.25	2008.57	132.32	214.50
2055	SLE-R-85	3641.44	1772.23	131.79	213.64
2056	SLE-R-85	3664.81	1789.40	133.03	215.66
2057	SLE-R-86	3544.83	1450.51	132.47	214.74
2058	SLE-R-86	4108.27	1622.38	131.76	213.59

2059	SLE-R-86	4109.90	1463.60	132.03	214.02
2060	SLE-R-86	3572.00	1618.99	132.19	214.29
2061	SLE-R-86	3853.11	1580.99	131.30	212.85
2062	SLE-R-86	3906.45	1560.55	132.63	215.00
2063	SLE-R-87	3482.52	1499.73	131.71	213.52
2064	SLE-R-87	4062.11	1654.27	131.02	212.39
2065	SLE-R-87	3510.26	1664.11	131.32	212.87
2066	SLE-R-87	4049.84	1503.81	131.22	212.72
2067	SLE-R-87	3785.60	1625.91	130.67	211.82
2068	SLE-R-87	3857.12	1594.92	131.59	213.31
2069	SLE-R-88	3481.23	1511.95	130.65	211.80
2070	SLE-R-88	3659.46	2069.03	131.63	213.38
2071	SLE-R-88	3500.84	2070.49	131.36	212.94
2072	SLE-R-88	3658.51	1530.31	131.28	212.82
2073	SLE-R-88	3587.07	1844.86	130.89	212.17
2074	SLE-R-88	3629.98	1834.86	132.07	214.10
2075	SLE-R-89	3599.26	1532.79	131.45	213.09
2076	SLE-R-89	3765.83	2100.36	132.60	214.95
2077	SLE-R-89	3769.26	1554.92	132.06	214.07
2078	SLE-R-89	3613.87	2089.59	132.34	214.54
2079	SLE-R-89	3708.06	1853.25	131.81	213.67
2080	SLE-R-89	3731.43	1870.41	133.06	215.69
2081	SLE-R-90	3611.45	1531.53	132.49	214.77
2082	SLE-R-90	4174.89	1703.40	131.78	213.62
2083	SLE-R-90	4176.52	1544.62	132.05	214.06
2084	SLE-R-90	3638.62	1700.00	132.22	214.33
2085	SLE-R-90	3919.72	1662.01	131.32	212.88
2086	SLE-R-90	3973.07	1641.57	132.65	215.04
2087	SLE-R-91	3564.20	1565.69	131.72	213.52
2088	SLE-R-91	4143.78	1720.23	131.03	212.40
2089	SLE-R-91	3591.94	1730.07	131.32	212.88
2090	SLE-R-91	4131.52	1569.77	131.22	212.72
2091	SLE-R-91	3867.27	1691.87	130.67	211.83
2092	SLE-R-91	3938.79	1660.88	131.59	213.32
2093	SLE-R-92	3562.91	1577.91	130.66	211.80
2094	SLE-R-92	3741.13	2134.99	131.63	213.38
2095	SLE-R-92	3582.52	2136.45	131.36	212.95
2096	SLE-R-92	3740.18	1596.27	131.29	212.82
2097	SLE-R-92	3668.74	1910.82	130.89	212.18
2098	SLE-R-92	3711.65	1900.82	132.08	214.10
2099	SLE-R-93	3556.30	1477.26	131.34	212.92
2100	SLE-R-93	3722.86	2044.83	132.49	214.78
2101	SLE-R-93	3726.29	1499.40	131.95	213.90
2102	SLE-R-93	3570.90	2034.07	132.24	214.37
2103	SLE-R-93	3665.09	1797.73	131.71	213.51
2104	SLE-R-93	3688.46	1814.89	132.95	215.51
2105	SLE-R-94	3568.48	1476.01	132.39	214.61
2106	SLE-R-94	4131.92	1647.88	131.67	213.45
2107	SLE-R-94	4133.55	1489.10	131.94	213.89

2108	SLE-R-94	3595.65	1644.48	132.11	214.16
2109	SLE-R-94	3876.76	1606.49	131.22	212.72
2110	SLE-R-94	3930.10	1586.05	132.54	214.86
2111	SLE-R-95	3503.74	1527.66	131.63	213.38
2112	SLE-R-95	4083.32	1682.20	130.93	212.25
2113	SLE-R-95	3531.48	1692.04	131.23	212.73
2114	SLE-R-95	4071.06	1531.74	131.13	212.58
2115	SLE-R-95	3806.81	1653.84	130.59	211.69
2116	SLE-R-95	3878.33	1622.85	131.50	213.16
2117	SLE-R-96	3502.44	1539.88	130.57	211.66
2118	SLE-R-96	3680.67	2096.96	131.54	213.24
2119	SLE-R-96	3522.06	2098.42	131.27	212.80
2120	SLE-R-96	3679.72	1558.24	131.20	212.68
2121	SLE-R-96	3608.28	1872.79	130.81	212.04
2122	SLE-R-96	3651.19	1862.79	131.98	213.95
2123	SLE-R-97	3423.06	1642.97	97.83	158.59
2124	SLE-R-97	3589.63	2210.53	99.09	160.64
2125	SLE-R-97	3593.06	1665.10	98.48	159.64
2126	SLE-R-97	3437.67	2199.77	98.85	160.24
2127	SLE-R-97	3531.86	1963.43	97.62	158.25
2128	SLE-R-97	3555.23	1980.59	100.18	162.39
2129	SLE-R-98	3435.25	1641.71	98.66	159.93
2130	SLE-R-98	3998.69	1813.58	98.28	159.31
2131	SLE-R-98	4000.31	1654.80	98.50	159.67
2132	SLE-R-98	3462.42	1810.18	98.69	159.99
2133	SLE-R-98	3743.52	1772.19	97.02	157.27
2134	SLE-R-98	3796.87	1751.75	99.91	161.96
2135	SLE-R-99	3414.74	1649.99	97.58	158.19
2136	SLE-R-99	3994.33	1804.53	97.36	157.83
2137	SLE-R-99	3442.49	1814.37	97.42	157.92
2138	SLE-R-99	3982.07	1654.07	97.48	158.02
2139	SLE-R-99	3717.82	1776.17	96.22	155.98
2140	SLE-R-99	3789.34	1745.18	98.55	159.75
2141	SLE-R-100	3413.45	1662.21	96.71	156.78
2142	SLE-R-100	3591.68	2219.29	97.69	158.37
2143	SLE-R-100	3433.07	2220.75	97.48	158.02
2144	SLE-R-100	3590.73	1680.57	97.48	158.02
2145	SLE-R-100	3519.29	1995.12	96.19	155.94
2146	SLE-R-100	3562.20	1985.12	98.99	160.47
2147	SLE-R-101	3380.10	1587.44	97.60	158.22
2148	SLE-R-101	3546.66	2155.01	98.87	160.27
2149	SLE-R-101	3550.09	1609.57	98.25	159.27
2150	SLE-R-101	3394.70	2144.25	98.62	159.87
2151	SLE-R-101	3488.89	1907.90	97.40	157.89
2152	SLE-R-101	3512.26	1925.07	99.95	162.02
2153	SLE-R-102	3392.28	1586.19	98.44	159.57
2154	SLE-R-102	3955.72	1758.06	98.05	158.95
2155	SLE-R-102	3957.35	1599.27	98.27	159.30
2156	SLE-R-102	3419.45	1754.66	98.47	159.62

2157	SLE-R-102	3700.56	1716.67	96.80	156.91
2158	SLE-R-102	3753.90	1696.22	99.68	161.58
2159	SLE-R-103	3354.28	1611.96	97.37	157.84
2160	SLE-R-103	3933.87	1766.50	97.15	157.48
2161	SLE-R-103	3382.03	1776.34	97.20	157.57
2162	SLE-R-103	3921.61	1616.04	97.26	157.67
2163	SLE-R-103	3657.36	1738.14	96.01	155.64
2164	SLE-R-103	3728.88	1707.15	98.33	159.39
2165	SLE-R-104	3352.99	1624.18	96.50	156.43
2166	SLE-R-104	3531.22	2181.26	97.48	158.02
2167	SLE-R-104	3372.61	2182.72	97.26	157.67
2168	SLE-R-104	3530.27	1642.54	97.26	157.67
2169	SLE-R-104	3458.83	1957.09	95.98	155.60
2170	SLE-R-104	3501.74	1947.09	98.77	160.11
2171	SLE-R-105	3462.48	1685.46	97.51	158.08
2172	SLE-R-105	3629.05	2253.02	98.78	160.13
2173	SLE-R-105	3632.48	1707.59	98.16	159.13
2174	SLE-R-105	3477.09	2242.26	98.53	159.73
2175	SLE-R-105	3571.28	2005.92	97.31	157.74
2176	SLE-R-105	3594.65	2023.08	99.86	161.87
2177	SLE-R-106	3474.67	1684.20	98.35	159.43
2178	SLE-R-106	4038.11	1856.07	97.96	158.80
2179	SLE-R-106	4039.74	1697.29	98.18	159.16
2180	SLE-R-106	3501.84	1852.67	98.38	159.48
2181	SLE-R-106	3782.94	1814.68	96.71	156.77
2182	SLE-R-106	3836.29	1794.24	99.58	161.43
2183	SLE-R-107	3450.10	1696.54	97.26	157.67
2184	SLE-R-107	4029.69	1851.08	97.04	157.30
2185	SLE-R-107	3477.85	1860.92	97.10	157.40
2186	SLE-R-107	4017.43	1700.62	97.16	157.50
2187	SLE-R-107	3753.18	1822.72	95.91	155.47
2188	SLE-R-107	3824.70	1791.73	98.22	159.22
2189	SLE-R-108	3448.81	1708.76	96.39	156.25
2190	SLE-R-108	3627.04	2265.84	97.37	157.84
2191	SLE-R-108	3468.43	2267.30	97.16	157.50
2192	SLE-R-108	3626.09	1727.12	97.16	157.50
2193	SLE-R-108	3554.65	2041.67	95.88	155.43
2194	SLE-R-108	3597.56	2031.67	98.66	159.93
2195	SLE-R-109	3419.52	1629.93	97.29	157.71
2196	SLE-R-109	3586.08	2197.50	98.55	159.76
2197	SLE-R-109	3589.51	1652.06	97.94	158.76
2198	SLE-R-109	3434.12	2186.74	98.31	159.36
2199	SLE-R-109	3528.32	1950.39	97.09	157.38
2200	SLE-R-109	3551.68	1967.56	99.63	161.50
2201	SLE-R-110	3431.70	1628.68	98.12	159.06
2202	SLE-R-110	3995.14	1800.55	97.73	158.43
2203	SLE-R-110	3996.77	1641.76	97.95	158.79
2204	SLE-R-110	3458.87	1797.15	98.15	159.11
2205	SLE-R-110	3739.98	1759.16	96.49	156.41

2206	SLE-R-110	3793.32	1738.71	99.35	161.06
2207	SLE-R-111	3389.64	1658.51	97.05	157.32
2208	SLE-R-111	3969.23	1813.05	96.82	156.95
2209	SLE-R-111	3417.38	1822.89	96.88	157.05
2210	SLE-R-111	3956.97	1662.59	96.94	157.15
2211	SLE-R-111	3692.72	1784.69	95.69	155.13
2212	SLE-R-111	3764.24	1753.70	98.00	158.86
2213	SLE-R-112	3388.35	1670.73	96.17	155.91
2214	SLE-R-112	3566.58	2227.81	97.16	157.50
2215	SLE-R-112	3407.97	2229.27	96.94	157.15
2216	SLE-R-112	3565.63	1689.09	96.94	157.15
2217	SLE-R-112	3494.19	2003.64	95.67	155.09
2218	SLE-R-112	3537.10	1993.64	98.44	159.58
2219	SLE-R-113	3220.01	1803.83	83.76	135.78
2220	SLE-R-113	3534.80	2924.41	84.68	137.27
2221	SLE-R-113	3559.07	1852.34	84.36	136.75
2222	SLE-R-113	3384.15	2726.68	84.24	136.55
2223	SLE-R-113	3444.49	2351.30	85.91	139.27
2224	SLE-R-113	3399.42	2507.72	83.14	134.77
2225	SLE-R-114	3242.41	1800.99	85.60	138.76
2226	SLE-R-114	4327.31	2160.64	83.67	135.63
2227	SLE-R-114	4326.29	1828.07	84.38	136.79
2228	SLE-R-114	3269.86	2158.44	84.27	136.61
2229	SLE-R-114	3851.38	1985.36	86.09	139.56
2230	SLE-R-114	3850.00	2078.07	82.40	133.57
2231	SLE-R-115	3257.89	1764.64	86.56	140.31
2232	SLE-R-115	4354.64	2103.27	84.17	136.44
2233	SLE-R-115	3296.64	2113.47	85.35	138.36
2234	SLE-R-115	4331.05	1778.48	84.86	137.57
2235	SLE-R-115	3838.77	1955.72	86.63	140.44
2236	SLE-R-115	3894.45	2011.38	83.09	134.70
2237	SLE-R-116	3255.20	1786.90	84.78	137.43
2238	SLE-R-116	3600.85	2885.81	85.77	139.04
2239	SLE-R-116	3442.35	2710.72	85.32	138.30
2240	SLE-R-116	3596.85	1830.16	85.07	137.90
2241	SLE-R-116	3485.61	2349.84	87.32	141.55
2242	SLE-R-116	3461.97	2464.80	83.65	135.60
2243	SLE-R-117	3181.98	1743.36	83.91	136.03
2244	SLE-R-117	3496.77	2863.95	84.83	137.51
2245	SLE-R-117	3521.04	1791.88	84.51	137.00
2246	SLE-R-117	3328.63	2683.72	84.38	136.79
2247	SLE-R-117	3406.46	2290.84	86.07	139.53
2248	SLE-R-117	3361.39	2447.26	83.27	134.99
2249	SLE-R-118	3204.39	1740.52	85.75	139.01
2250	SLE-R-118	4289.28	2100.18	83.82	135.88
2251	SLE-R-118	4288.26	1767.61	84.53	137.03
2252	SLE-R-118	3231.84	2097.98	84.42	136.85
2253	SLE-R-118	3813.35	1924.90	86.25	139.82
2254	SLE-R-118	3811.97	2017.61	82.53	133.79

2255	SLE-R-119	3202.37	1721.68	86.72	140.58
2256	SLE-R-119	4299.11	2060.31	84.33	136.71
2257	SLE-R-119	3241.11	2070.51	85.51	138.63
2258	SLE-R-119	4275.52	1735.52	85.03	137.83
2259	SLE-R-119	3783.24	1912.75	86.81	140.72
2260	SLE-R-119	3838.93	1968.42	83.24	134.94
2261	SLE-R-120	3199.68	1743.93	84.95	137.70
2262	SLE-R-120	3545.32	2842.84	85.93	139.30
2263	SLE-R-120	3404.32	2650.25	85.48	138.57
2264	SLE-R-120	3541.32	1787.19	85.23	138.17
2265	SLE-R-120	3430.08	2306.87	87.49	141.83
2266	SLE-R-120	3406.44	2421.84	83.80	135.84
2267	SLE-R-121	3247.94	1825.04	83.90	136.01
2268	SLE-R-121	3562.73	2945.62	84.81	137.49
2269	SLE-R-121	3587.00	1873.56	84.50	136.98
2270	SLE-R-121	3409.65	2750.33	84.37	136.77
2271	SLE-R-121	3472.42	2372.51	86.06	139.51
2272	SLE-R-121	3427.35	2528.93	83.26	134.97
2273	SLE-R-122	3270.34	1822.20	85.74	138.98
2274	SLE-R-122	4355.24	2181.86	83.81	135.86
2275	SLE-R-122	4354.22	1849.29	84.52	137.01
2276	SLE-R-122	3297.80	2179.65	84.41	136.83
2277	SLE-R-122	3879.31	2006.58	86.24	139.80
2278	SLE-R-122	3877.93	2099.29	82.52	133.78
2279	SLE-R-123	3283.38	1788.29	86.69	140.53
2280	SLE-R-123	4380.13	2126.92	84.30	136.66
2281	SLE-R-123	3322.13	2137.13	85.49	138.58
2282	SLE-R-123	4356.54	1802.14	85.00	137.79
2283	SLE-R-123	3864.26	1979.37	86.78	140.67
2284	SLE-R-123	3919.95	2035.04	83.22	134.90
2285	SLE-R-124	3280.69	1810.55	84.92	137.65
2286	SLE-R-124	3626.34	2909.46	85.90	139.25
2287	SLE-R-124	3470.28	2731.93	85.45	138.52
2288	SLE-R-124	3622.34	1853.81	85.20	138.12
2289	SLE-R-124	3511.10	2373.49	87.46	141.78
2290	SLE-R-124	3487.46	2488.46	83.77	135.80
2291	SLE-R-125	3209.91	1764.58	84.06	136.26
2292	SLE-R-125	3524.70	2885.16	84.96	137.73
2293	SLE-R-125	3548.97	1813.09	84.65	137.22
2294	SLE-R-125	3354.12	2707.37	84.52	137.01
2295	SLE-R-125	3434.39	2312.05	86.22	139.77
2296	SLE-R-125	3389.32	2468.47	83.40	135.20
2297	SLE-R-126	3232.32	1761.74	85.89	139.23
2298	SLE-R-126	4317.22	2121.40	83.96	136.10
2299	SLE-R-126	4316.19	1788.83	84.67	137.26
2300	SLE-R-126	3259.77	2119.19	84.56	137.08
2301	SLE-R-126	3841.28	1946.12	86.40	140.07
2302	SLE-R-126	3839.90	2038.83	82.66	134.00
2303	SLE-R-127	3227.86	1745.33	86.86	140.80

2304	SLE-R-127	4324.61	2083.96	84.47	136.92
2305	SLE-R-127	3266.61	2094.16	85.65	138.85
2306	SLE-R-127	4301.02	1759.17	85.16	138.05
2307	SLE-R-127	3808.74	1936.41	86.95	140.95
2308	SLE-R-127	3864.42	1992.07	83.37	135.15
2309	SLE-R-128	3225.17	1767.59	85.08	137.93
2310	SLE-R-128	3570.82	2866.49	86.07	139.52
2311	SLE-R-128	3432.25	2671.47	85.62	138.79
2312	SLE-R-128	3566.81	1810.85	85.37	138.38
2313	SLE-R-128	3455.58	2330.52	87.64	142.07
2314	SLE-R-128	3431.94	2445.49	83.92	136.04
2315	SLE-R-129	3543.19	1539.70	108.66	176.14
2316	SLE-R-129	3697.73	2119.29	108.68	176.17
2317	SLE-R-129	3707.57	1567.44	108.72	176.24
2318	SLE-R-129	3547.27	2107.02	108.59	176.04
2319	SLE-R-129	3669.37	1842.78	110.09	178.46
2320	SLE-R-129	3638.38	1914.29	107.33	173.98
2321	SLE-R-130	3555.41	1538.41	109.41	177.36
2322	SLE-R-130	4112.49	1716.64	108.47	175.84
2323	SLE-R-130	4113.95	1558.02	108.65	176.13
2324	SLE-R-130	3573.77	1715.68	108.62	176.08
2325	SLE-R-130	3888.32	1644.25	110.23	178.69
2326	SLE-R-130	3878.32	1687.15	106.91	173.31
2327	SLE-R-131	3604.67	1476.92	114.71	185.96
2328	SLE-R-131	4172.23	1643.49	113.45	183.91
2329	SLE-R-131	3626.80	1646.92	114.07	184.92
2330	SLE-R-131	4161.47	1491.53	113.69	184.30
2331	SLE-R-131	3925.13	1585.72	115.10	186.59
2332	SLE-R-131	3942.29	1609.08	112.23	181.94
2333	SLE-R-132	3603.41	1489.11	113.97	184.76
2334	SLE-R-132	3775.28	2052.55	114.24	185.20
2335	SLE-R-132	3616.50	2054.17	114.05	184.88
2336	SLE-R-132	3771.88	1516.28	113.84	184.55
2337	SLE-R-132	3733.89	1797.38	115.72	187.59
2338	SLE-R-132	3713.45	1850.72	112.47	182.32
2339	SLE-R-133	3505.16	1479.24	108.92	176.56
2340	SLE-R-133	3659.70	2058.82	108.93	176.59
2341	SLE-R-133	3669.54	1506.98	108.97	176.65
2342	SLE-R-133	3509.24	2046.56	108.85	176.45
2343	SLE-R-133	3631.34	1782.32	110.34	178.87
2344	SLE-R-133	3600.35	1853.83	107.58	174.39
2345	SLE-R-134	3517.38	1477.95	109.66	177.77
2346	SLE-R-134	4074.46	1656.18	108.73	176.25
2347	SLE-R-134	4075.92	1497.56	108.91	176.55
2348	SLE-R-134	3535.74	1655.22	108.87	176.49
2349	SLE-R-134	3850.29	1583.79	110.49	179.11
2350	SLE-R-134	3840.29	1626.69	107.17	173.72
2351	SLE-R-135	3549.14	1433.96	114.97	186.37
2352	SLE-R-135	4116.71	1600.52	113.71	184.33

2353	SLE-R-135	3571.27	1603.95	114.33	185.33
2354	SLE-R-135	4105.94	1448.56	113.94	184.71
2355	SLE-R-135	3869.60	1542.75	115.36	187.01
2356	SLE-R-135	3886.76	1566.12	112.48	182.35
2357	SLE-R-136	3547.88	1446.14	114.23	185.18
2358	SLE-R-136	3719.75	2009.58	114.50	185.61
2359	SLE-R-136	3560.97	2011.21	114.30	185.29
2360	SLE-R-136	3716.35	1473.31	114.10	184.96
2361	SLE-R-136	3678.36	1754.42	115.98	188.01
2362	SLE-R-136	3657.92	1807.76	112.72	182.72
2363	SLE-R-137	3571.12	1560.91	108.89	176.51
2364	SLE-R-137	3725.66	2140.50	108.90	176.54
2365	SLE-R-137	3735.50	1588.66	108.95	176.61
2366	SLE-R-137	3575.20	2128.24	108.82	176.41
2367	SLE-R-137	3697.30	1863.99	110.32	178.83
2368	SLE-R-137	3666.31	1935.51	107.55	174.35
2369	SLE-R-138	3583.34	1559.62	109.64	177.73
2370	SLE-R-138	4140.42	1737.85	108.70	176.21
2371	SLE-R-138	4141.88	1579.24	108.88	176.50
2372	SLE-R-138	3601.70	1736.90	108.85	176.45
2373	SLE-R-138	3916.25	1665.46	110.46	179.06
2374	SLE-R-138	3906.25	1708.37	107.14	173.68
2375	SLE-R-139	3630.16	1500.57	114.93	186.31
2376	SLE-R-139	4197.72	1667.14	113.67	184.26
2377	SLE-R-139	3652.29	1670.57	114.29	185.27
2378	SLE-R-139	4186.96	1515.18	113.90	184.65
2379	SLE-R-139	3950.62	1609.37	115.32	186.95
2380	SLE-R-139	3967.78	1632.74	112.45	182.28
2381	SLE-R-140	3628.90	1512.76	114.19	185.11
2382	SLE-R-140	3800.77	2076.20	114.46	185.55
2383	SLE-R-140	3641.99	2077.82	114.26	185.23
2384	SLE-R-140	3797.37	1539.93	114.06	184.90
2385	SLE-R-140	3759.38	1821.03	115.94	187.95
2386	SLE-R-140	3738.94	1874.38	112.68	182.66
2387	SLE-R-141	3533.09	1500.45	109.15	176.93
2388	SLE-R-141	3687.63	2080.04	109.16	176.96
2389	SLE-R-141	3697.47	1528.20	109.20	177.02
2390	SLE-R-141	3537.17	2067.78	109.08	176.82
2391	SLE-R-141	3659.27	1803.53	110.57	179.25
2392	SLE-R-141	3628.28	1875.05	107.80	174.76
2393	SLE-R-142	3545.31	1499.16	109.89	178.14
2394	SLE-R-142	4102.39	1677.39	108.96	176.63
2395	SLE-R-142	4103.85	1518.78	109.14	176.92
2396	SLE-R-142	3563.67	1676.44	109.10	176.86
2397	SLE-R-142	3878.22	1605.00	110.72	179.49
2398	SLE-R-142	3868.22	1647.91	107.39	174.09
2399	SLE-R-143	3574.63	1457.61	115.18	186.72
2400	SLE-R-143	4142.20	1624.17	113.92	184.68
2401	SLE-R-143	3596.77	1627.60	114.55	185.69

2402	SLE-R-143	4131.44	1472.21	114.16	185.06
2403	SLE-R-143	3895.09	1566.40	115.58	187.37
2404	SLE-R-143	3912.26	1589.77	112.70	182.69
2405	SLE-R-144	3573.38	1469.79	114.45	185.53
2406	SLE-R-144	3745.25	2033.23	114.72	185.96
2407	SLE-R-144	3586.47	2034.86	114.52	185.64
2408	SLE-R-144	3741.85	1496.96	114.32	185.31
2409	SLE-R-144	3703.86	1778.07	116.20	188.37
2410	SLE-R-144	3683.41	1831.41	112.93	183.07
2411	SLE-R-145	3068.36	2015.04	78.40	127.09
2412	SLE-R-145	3234.92	2582.60	79.42	128.74
2413	SLE-R-145	3238.35	2037.17	78.95	127.98
2414	SLE-R-145	3082.96	2571.84	79.17	128.34
2415	SLE-R-145	3177.15	2335.50	79.05	128.15
2416	SLE-R-145	3200.52	2352.66	79.52	128.91
2417	SLE-R-146	3080.54	2013.78	79.49	128.85
2418	SLE-R-146	3643.98	2185.65	78.65	127.49
2419	SLE-R-146	3645.61	2026.87	78.93	127.94
2420	SLE-R-146	3107.71	2182.25	79.07	128.17
2421	SLE-R-146	3388.81	2144.26	78.66	127.52
2422	SLE-R-146	3442.16	2123.82	79.07	128.18
2423	SLE-R-147	3013.63	2068.46	73.71	119.49
2424	SLE-R-147	3593.22	2223.01	72.82	118.04
2425	SLE-R-147	3041.38	2232.85	73.22	118.69
2426	SLE-R-147	3580.96	2072.55	73.05	118.41
2427	SLE-R-147	3316.71	2194.64	72.90	118.18
2428	SLE-R-147	3388.23	2163.65	73.04	118.41
2429	SLE-R-148	3012.34	2080.68	72.62	117.72
2430	SLE-R-148	3190.57	2637.76	73.53	119.19
2431	SLE-R-148	3031.96	2639.22	73.25	118.74
2432	SLE-R-148	3189.62	2099.05	73.14	118.56
2433	SLE-R-148	3118.18	2413.60	73.24	118.73
2434	SLE-R-148	3161.09	2403.59	73.52	119.18
2435	SLE-R-149	3025.39	1959.51	78.37	127.04
2436	SLE-R-149	3191.96	2527.08	79.38	128.68
2437	SLE-R-149	3195.39	1981.64	78.92	127.93
2438	SLE-R-149	3040.00	2516.32	79.14	128.29
2439	SLE-R-149	3134.19	2279.97	79.03	128.11
2440	SLE-R-149	3157.55	2297.14	79.48	128.84
2441	SLE-R-150	3037.58	1958.26	79.46	128.80
2442	SLE-R-150	3601.02	2130.13	78.61	127.44
2443	SLE-R-150	3602.64	1971.35	78.89	127.89
2444	SLE-R-150	3064.75	2126.73	79.03	128.11
2445	SLE-R-150	3345.85	2088.74	78.64	127.48
2446	SLE-R-150	3399.20	2068.29	79.03	128.11
2447	SLE-R-151	2953.17	2030.43	73.69	119.46
2448	SLE-R-151	3532.76	2184.98	72.80	118.01
2449	SLE-R-151	2980.91	2194.82	73.20	118.66
2450	SLE-R-151	3520.49	2034.52	73.03	118.38

2451	SLE-R-151	3256.25	2156.61	72.89	118.16
2452	SLE-R-151	3327.77	2125.63	73.02	118.36
2453	SLE-R-152	2951.88	2042.65	72.60	117.69
2454	SLE-R-152	3130.11	2599.73	73.51	119.16
2455	SLE-R-152	2971.49	2601.19	73.23	118.71
2456	SLE-R-152	3129.16	2061.02	73.12	118.53
2457	SLE-R-152	3057.72	2375.57	73.23	118.71
2458	SLE-R-152	3100.63	2365.56	73.49	119.14
2459	SLE-R-153	3092.01	2040.53	78.38	127.06
2460	SLE-R-153	3258.57	2608.10	79.40	128.70
2461	SLE-R-153	3262.00	2062.66	78.93	127.95
2462	SLE-R-153	3106.61	2597.33	79.15	128.31
2463	SLE-R-153	3200.80	2360.99	79.04	128.13
2464	SLE-R-153	3224.17	2378.16	79.49	128.86
2465	SLE-R-154	3104.19	2039.28	79.47	128.82
2466	SLE-R-154	3667.63	2211.15	78.63	127.46
2467	SLE-R-154	3669.26	2052.36	78.91	127.91
2468	SLE-R-154	3131.36	2207.75	79.04	128.14
2469	SLE-R-154	3412.47	2169.76	78.65	127.50
2470	SLE-R-154	3465.81	2149.31	79.04	128.13
2471	SLE-R-155	3034.85	2096.39	73.69	119.45
2472	SLE-R-155	3614.43	2250.94	72.79	118.00
2473	SLE-R-155	3062.59	2260.78	73.19	118.65
2474	SLE-R-155	3602.17	2100.48	73.02	118.37
2475	SLE-R-155	3337.92	2222.57	72.88	118.15
2476	SLE-R-155	3409.44	2191.58	73.01	118.36
2477	SLE-R-156	3033.56	2108.61	72.60	117.68
2478	SLE-R-156	3211.78	2665.69	73.50	119.15
2479	SLE-R-156	3053.17	2667.15	73.23	118.70
2480	SLE-R-156	3210.83	2126.98	73.11	118.52
2481	SLE-R-156	3139.39	2441.53	73.22	118.70
2482	SLE-R-156	3182.30	2431.52	73.49	119.13
2483	SLE-R-157	3049.04	1985.01	78.35	127.01
2484	SLE-R-157	3215.61	2552.57	79.36	128.65
2485	SLE-R-157	3219.04	2007.14	78.90	127.90
2486	SLE-R-157	3063.65	2541.81	79.12	128.26
2487	SLE-R-157	3157.84	2305.47	79.01	128.09
2488	SLE-R-157	3181.21	2322.63	79.45	128.80
2489	SLE-R-158	3061.23	1983.75	79.44	128.78
2490	SLE-R-158	3624.67	2155.62	78.59	127.41
2491	SLE-R-158	3626.30	1996.84	78.87	127.86
2492	SLE-R-158	3088.40	2152.22	79.01	128.08
2493	SLE-R-158	3369.50	2114.23	78.63	127.46
2494	SLE-R-158	3422.85	2093.79	79.00	128.06
2495	SLE-R-159	2974.39	2058.36	73.67	119.43
2496	SLE-R-159	3553.97	2212.91	72.77	117.97
2497	SLE-R-159	3002.13	2222.75	73.18	118.62
2498	SLE-R-159	3541.71	2062.45	73.00	118.34
2499	SLE-R-159	3277.46	2184.54	72.87	118.13

2500	SLE-R-159	3348.98	2153.56	72.98	118.31
2501	SLE-R-160	2973.09	2070.58	72.58	117.66
2502	SLE-R-160	3151.32	2627.67	73.49	119.13
2503	SLE-R-160	2992.71	2629.12	73.21	118.68
2504	SLE-R-160	3150.37	2088.95	73.09	118.49
2505	SLE-R-160	3078.93	2403.50	73.22	118.69
2506	SLE-R-160	3121.84	2393.49	73.46	119.08
2507	SLE-R-161	3350.56	1732.78	98.98	160.46
2508	SLE-R-161	3505.10	2312.36	99.55	161.38
2509	SLE-R-161	3514.94	1760.52	99.32	161.00
2510	SLE-R-161	3354.64	2300.10	99.37	161.09
2511	SLE-R-161	3476.74	2035.85	100.15	162.34
2512	SLE-R-161	3445.75	2107.37	98.85	160.24
2513	SLE-R-162	3362.78	1731.48	100.00	162.11
2514	SLE-R-162	3919.86	1909.71	99.01	160.50
2515	SLE-R-162	3921.32	1751.10	99.27	160.92
2516	SLE-R-162	3381.14	1908.76	99.33	161.01
2517	SLE-R-162	3695.69	1837.32	100.01	162.13
2518	SLE-R-162	3685.69	1880.23	98.37	159.46
2519	SLE-R-163	3175.81	1906.22	71.67	116.19
2520	SLE-R-163	3743.38	2072.78	70.42	114.16
2521	SLE-R-163	3197.95	2076.21	71.03	115.14
2522	SLE-R-163	3732.62	1920.82	70.68	114.57
2523	SLE-R-163	3496.28	2015.01	71.74	116.30
2524	SLE-R-163	3513.44	2038.38	69.54	112.73
2525	SLE-R-164	3174.56	1918.40	70.77	114.73
2526	SLE-R-164	3346.43	2481.84	71.25	115.51
2527	SLE-R-164	3187.65	2483.47	71.02	115.12
2528	SLE-R-164	3343.03	1945.57	70.82	114.81
2529	SLE-R-164	3305.04	2226.68	72.33	117.25
2530	SLE-R-164	3284.60	2280.02	69.87	113.26
2531	SLE-R-165	3312.53	1672.31	99.11	160.66
2532	SLE-R-165	3467.07	2251.90	99.68	161.59
2533	SLE-R-165	3476.91	1700.06	99.44	161.21
2534	SLE-R-165	3316.61	2239.64	99.50	161.29
2535	SLE-R-165	3438.71	1975.39	100.28	162.56
2536	SLE-R-165	3407.72	2046.91	98.97	160.43
2537	SLE-R-166	3324.75	1671.02	100.13	162.32
2538	SLE-R-166	3881.83	1849.25	99.14	160.71
2539	SLE-R-166	3883.29	1690.64	99.40	161.13
2540	SLE-R-166	3343.11	1848.30	99.45	161.22
2541	SLE-R-166	3657.66	1776.86	100.15	162.34
2542	SLE-R-166	3647.66	1819.77	98.49	159.65
2543	SLE-R-167	3120.29	1863.25	71.87	116.50
2544	SLE-R-167	3687.85	2029.82	70.62	114.47
2545	SLE-R-167	3142.42	2033.25	71.22	115.46
2546	SLE-R-167	3677.09	1877.86	70.87	114.88
2547	SLE-R-167	3440.75	1972.05	71.95	116.63
2548	SLE-R-167	3457.91	1995.41	69.73	113.03

2549	SLE-R-168	3119.03	1875.44	70.97	115.05
2550	SLE-R-168	3290.90	2438.88	71.45	115.82
2551	SLE-R-168	3132.12	2440.50	71.21	115.44
2552	SLE-R-168	3287.50	1902.61	71.02	115.13
2553	SLE-R-168	3249.51	2183.71	72.53	117.58
2554	SLE-R-168	3229.07	2237.06	70.06	113.57
2555	SLE-R-169	3378.49	1753.99	99.10	160.65
2556	SLE-R-169	3533.03	2333.58	99.67	161.57
2557	SLE-R-169	3542.87	1781.73	99.44	161.19
2558	SLE-R-169	3382.57	2321.31	99.49	161.28
2559	SLE-R-169	3504.67	2057.07	100.27	162.54
2560	SLE-R-169	3473.68	2128.59	98.96	160.42
2561	SLE-R-170	3390.71	1752.70	100.12	162.31
2562	SLE-R-170	3947.79	1930.93	99.13	160.70
2563	SLE-R-170	3949.25	1772.31	99.39	161.11
2564	SLE-R-170	3409.07	1929.98	99.44	161.20
2565	SLE-R-170	3723.62	1858.54	100.14	162.33
2566	SLE-R-170	3713.62	1901.45	98.48	159.64
2567	SLE-R-171	3201.31	1929.87	71.84	116.45
2568	SLE-R-171	3768.87	2096.43	70.58	114.42
2569	SLE-R-171	3223.44	2099.86	71.19	115.40
2570	SLE-R-171	3758.11	1944.47	70.84	114.83
2571	SLE-R-171	3521.77	2038.66	71.91	116.57
2572	SLE-R-171	3538.93	2062.03	69.70	112.98
2573	SLE-R-172	3200.05	1942.05	70.94	114.99
2574	SLE-R-172	3371.92	2505.49	71.42	115.77
2575	SLE-R-172	3213.14	2507.12	71.18	115.38
2576	SLE-R-172	3368.52	1969.22	70.99	115.07
2577	SLE-R-172	3330.53	2250.33	72.50	117.52
2578	SLE-R-172	3310.09	2303.67	70.02	113.51
2579	SLE-R-173	3340.46	1693.53	99.23	160.86
2580	SLE-R-173	3495.00	2273.12	99.80	161.78
2581	SLE-R-173	3504.84	1721.27	99.56	161.40
2582	SLE-R-173	3344.54	2260.85	99.61	161.48
2583	SLE-R-173	3466.64	1996.61	100.40	162.75
2584	SLE-R-173	3435.65	2068.12	99.08	160.62
2585	SLE-R-174	3352.68	1692.24	100.25	162.51
2586	SLE-R-174	3909.76	1870.47	99.26	160.90
2587	SLE-R-174	3911.22	1711.85	99.51	161.32
2588	SLE-R-174	3371.04	1869.51	99.57	161.41
2589	SLE-R-174	3685.59	1798.08	100.27	162.54
2590	SLE-R-174	3675.59	1840.98	98.60	159.83
2591	SLE-R-175	3145.78	1886.90	72.03	116.77
2592	SLE-R-175	3713.35	2053.47	70.78	114.74
2593	SLE-R-175	3167.91	2056.90	71.39	115.72
2594	SLE-R-175	3702.59	1901.51	71.03	115.15
2595	SLE-R-175	3466.24	1995.70	72.11	116.90
2596	SLE-R-175	3483.41	2019.07	69.88	113.29
2597	SLE-R-176	3144.53	1899.09	71.14	115.32

2598	SLE-R-176	3316.40	2462.53	71.61	116.08
2599	SLE-R-176	3157.61	2464.16	71.37	115.70
2600	SLE-R-176	3313.00	1926.26	71.18	115.39
2601	SLE-R-176	3275.01	2207.36	72.70	117.85
2602	SLE-R-176	3254.56	2260.71	70.21	113.82
2603	SLE-R-177	3261.73	1821.39	86.00	139.41
2604	SLE-R-177	3416.27	2400.97	86.49	140.21
2605	SLE-R-177	3426.11	1849.13	86.29	139.89
2606	SLE-R-177	3265.81	2388.71	86.32	139.94
2607	SLE-R-177	3387.91	2124.46	87.22	141.38
2608	SLE-R-177	3356.92	2195.98	85.69	138.90
2609	SLE-R-178	3273.95	1820.09	86.99	141.02
2610	SLE-R-178	3831.03	1998.32	85.99	139.40
2611	SLE-R-178	3832.49	1839.71	86.24	139.80
2612	SLE-R-178	3292.31	1997.37	86.29	139.88
2613	SLE-R-178	3606.86	1925.93	87.12	141.23
2614	SLE-R-178	3596.86	1968.84	85.21	138.13
2615	SLE-R-179	3272.48	1809.33	84.20	136.49
2616	SLE-R-179	3840.05	1975.90	82.97	134.49
2617	SLE-R-179	3294.62	1979.33	83.56	135.45
2618	SLE-R-179	3829.29	1823.93	83.22	134.91
2619	SLE-R-179	3592.94	1918.13	84.13	136.39
2620	SLE-R-179	3610.11	1941.49	82.23	133.29
2621	SLE-R-180	3271.23	1821.52	83.24	134.94
2622	SLE-R-180	3443.10	2384.96	83.80	135.85
2623	SLE-R-180	3284.32	2386.58	83.55	135.44
2624	SLE-R-180	3439.70	1848.68	83.37	135.14
2625	SLE-R-180	3401.71	2129.79	84.70	137.30
2626	SLE-R-180	3381.27	2183.13	82.59	133.88
2627	SLE-R-181	3223.70	1760.92	86.15	139.65
2628	SLE-R-181	3378.24	2340.51	86.64	140.45
2629	SLE-R-181	3388.08	1788.67	86.44	140.13
2630	SLE-R-181	3227.78	2328.25	86.47	140.17
2631	SLE-R-181	3349.88	2064.00	87.37	141.63
2632	SLE-R-181	3318.89	2135.52	85.83	139.13
2633	SLE-R-182	3235.92	1759.63	87.14	141.26
2634	SLE-R-182	3793.00	1937.86	86.14	139.64
2635	SLE-R-182	3794.46	1779.25	86.39	140.04
2636	SLE-R-182	3254.28	1936.91	86.43	140.12
2637	SLE-R-182	3568.83	1865.47	87.28	141.48
2638	SLE-R-182	3558.83	1908.38	85.35	138.35
2639	SLE-R-183	3216.96	1766.37	84.36	136.76
2640	SLE-R-183	3784.52	1932.93	83.13	134.76
2641	SLE-R-183	3239.09	1936.36	83.72	135.72
2642	SLE-R-183	3773.76	1780.97	83.39	135.18
2643	SLE-R-183	3537.42	1875.16	84.31	136.67
2644	SLE-R-183	3554.58	1898.53	82.39	133.55
2645	SLE-R-184	3215.70	1778.55	83.41	135.22
2646	SLE-R-184	3387.57	2341.99	83.97	136.12

2647	SLE-R-184	3228.79	2343.62	83.72	135.71
2648	SLE-R-184	3384.17	1805.72	83.53	135.41
2649	SLE-R-184	3346.18	2086.83	84.87	137.58
2650	SLE-R-184	3325.74	2140.17	82.74	134.13
2651	SLE-R-185	3289.66	1842.60	86.13	139.63
2652	SLE-R-185	3444.20	2422.19	86.63	140.43
2653	SLE-R-185	3454.04	1870.34	86.43	140.11
2654	SLE-R-185	3293.74	2409.93	86.46	140.15
2655	SLE-R-185	3415.84	2145.68	87.35	141.61
2656	SLE-R-185	3384.85	2217.20	85.82	139.11
2657	SLE-R-186	3301.88	1841.31	87.13	141.24
2658	SLE-R-186	3858.96	2019.54	86.13	139.62
2659	SLE-R-186	3860.42	1860.93	86.38	140.02
2660	SLE-R-186	3320.24	2018.59	86.42	140.10
2661	SLE-R-186	3634.79	1947.15	87.26	141.46
2662	SLE-R-186	3624.79	1990.06	85.34	138.34
2663	SLE-R-187	3297.98	1832.98	84.33	136.71
2664	SLE-R-187	3865.54	1999.55	83.10	134.72
2665	SLE-R-187	3320.11	2002.98	83.69	135.67
2666	SLE-R-187	3854.78	1847.59	83.36	135.13
2667	SLE-R-187	3618.44	1941.78	84.28	136.62
2668	SLE-R-187	3635.60	1965.15	82.36	133.51
2669	SLE-R-188	3296.72	1845.17	83.38	135.17
2670	SLE-R-188	3468.59	2408.61	83.94	136.07
2671	SLE-R-188	3309.81	2410.23	83.69	135.67
2672	SLE-R-188	3465.19	1872.34	83.50	135.36
2673	SLE-R-188	3427.20	2153.44	84.84	137.53
2674	SLE-R-188	3406.76	2206.79	82.72	134.09
2675	SLE-R-189	3251.63	1782.14	86.28	139.87
2676	SLE-R-189	3406.17	2361.73	86.77	140.67
2677	SLE-R-189	3416.01	1809.88	86.58	140.35
2678	SLE-R-189	3255.71	2349.46	86.61	140.39
2679	SLE-R-189	3377.81	2085.22	87.51	141.86
2680	SLE-R-189	3346.82	2156.74	85.96	139.34
2681	SLE-R-190	3263.85	1780.85	87.28	141.48
2682	SLE-R-190	3820.93	1959.08	86.28	139.86
2683	SLE-R-190	3822.39	1800.46	86.53	140.27
2684	SLE-R-190	3282.22	1958.12	86.57	140.34
2685	SLE-R-190	3596.76	1886.69	87.42	141.71
2686	SLE-R-190	3586.76	1929.59	85.48	138.57
2687	SLE-R-191	3242.45	1790.02	84.50	136.99
2688	SLE-R-191	3810.02	1956.58	83.27	134.99
2689	SLE-R-191	3264.58	1960.01	83.86	135.95
2690	SLE-R-191	3799.25	1804.62	83.53	135.40
2691	SLE-R-191	3562.91	1898.81	84.45	136.90
2692	SLE-R-191	3580.08	1922.18	82.52	133.77
2693	SLE-R-192	3241.20	1802.20	83.55	135.45
2694	SLE-R-192	3413.07	2365.64	84.11	136.34
2695	SLE-R-192	3254.28	2367.27	83.86	135.94

2696	SLE-R-192	3409.67	1829.37	83.67	135.64
2697	SLE-R-192	3371.67	2110.48	85.02	137.82
2698	SLE-R-192	3351.23	2163.82	82.88	134.35
2699	SLE-R-193	3539.41	1544.04	131.04	212.43
2700	SLE-R-193	3693.96	2123.62	131.72	213.53
2701	SLE-R-193	3703.80	1571.78	131.43	213.06
2702	SLE-R-193	3543.50	2111.36	131.53	213.21
2703	SLE-R-193	3665.59	1847.12	132.11	214.16
2704	SLE-R-193	3634.61	1918.63	131.18	212.66
2705	SLE-R-194	3551.63	1542.75	132.10	214.14
2706	SLE-R-194	4108.72	1720.98	131.12	212.56
2707	SLE-R-194	4110.17	1562.36	131.39	212.99
2708	SLE-R-194	3570.00	1720.02	131.47	213.11
2709	SLE-R-194	3884.55	1648.59	131.91	213.84
2710	SLE-R-194	3874.54	1691.49	130.70	211.87
2711	SLE-R-195	3599.16	1482.13	133.05	215.69
2712	SLE-R-195	4166.72	1648.69	131.90	213.82
2713	SLE-R-195	3621.29	1652.12	132.44	214.70
2714	SLE-R-195	4155.96	1496.73	132.15	214.23
2715	SLE-R-195	3919.62	1590.92	132.72	215.15
2716	SLE-R-195	3936.78	1614.29	131.46	213.11
2717	SLE-R-196	3597.90	1494.31	132.02	214.01
2718	SLE-R-196	3769.77	2057.75	132.72	215.15
2719	SLE-R-196	3610.99	2059.38	132.45	214.71
2720	SLE-R-196	3766.37	1521.48	132.28	214.44
2721	SLE-R-196	3728.38	1802.59	133.22	215.96
2722	SLE-R-196	3707.94	1855.93	131.87	213.78
2723	SLE-R-197	3501.39	1483.58	131.13	212.58
2724	SLE-R-197	3655.93	2063.16	131.82	213.68
2725	SLE-R-197	3665.77	1511.32	131.52	213.21
2726	SLE-R-197	3505.47	2050.90	131.62	213.36
2727	SLE-R-197	3627.57	1786.65	132.20	214.31
2728	SLE-R-197	3596.58	1858.17	131.27	212.80
2729	SLE-R-198	3513.61	1482.28	132.19	214.29
2730	SLE-R-198	4070.69	1660.51	131.21	212.71
2731	SLE-R-198	4072.14	1501.90	131.48	213.14
2732	SLE-R-198	3531.97	1659.56	131.56	213.26
2733	SLE-R-198	3846.52	1588.12	132.01	213.99
2734	SLE-R-198	3836.52	1631.03	130.79	212.01
2735	SLE-R-199	3543.63	1439.16	133.16	215.86
2736	SLE-R-199	4111.20	1605.73	132.01	213.99
2737	SLE-R-199	3565.76	1609.16	132.55	214.87
2738	SLE-R-199	4100.44	1453.77	132.26	214.41
2739	SLE-R-199	3864.09	1547.96	132.83	215.33
2740	SLE-R-199	3881.26	1571.32	131.57	213.28
2741	SLE-R-200	3542.38	1451.35	132.13	214.19
2742	SLE-R-200	3714.25	2014.79	132.83	215.32
2743	SLE-R-200	3555.46	2016.41	132.56	214.89
2744	SLE-R-200	3710.85	1478.52	132.39	214.61

2745	SLE-R-200	3672.86	1759.62	133.33	216.14
2746	SLE-R-200	3652.41	1812.97	131.98	213.94
2747	SLE-R-201	3567.35	1565.25	131.13	212.57
2748	SLE-R-201	3721.89	2144.84	131.81	213.68
2749	SLE-R-201	3731.73	1593.00	131.52	213.20
2750	SLE-R-201	3571.43	2132.58	131.61	213.35
2751	SLE-R-201	3693.52	1868.33	132.20	214.30
2752	SLE-R-201	3662.54	1939.85	131.27	212.79
2753	SLE-R-202	3579.57	1563.96	132.19	214.28
2754	SLE-R-202	4136.65	1742.19	131.21	212.70
2755	SLE-R-202	4138.10	1583.58	131.48	213.13
2756	SLE-R-202	3597.93	1741.24	131.55	213.26
2757	SLE-R-202	3912.48	1669.80	132.00	213.99
2758	SLE-R-202	3902.48	1712.71	130.78	212.01
2759	SLE-R-203	3624.65	1505.78	133.14	215.83
2760	SLE-R-203	4192.22	1672.34	131.98	213.95
2761	SLE-R-203	3646.78	1675.77	132.53	214.84
2762	SLE-R-203	4181.45	1520.38	132.24	214.37
2763	SLE-R-203	3945.11	1614.57	132.81	215.29
2764	SLE-R-203	3962.28	1637.94	131.54	213.24
2765	SLE-R-204	3623.40	1517.96	132.10	214.15
2766	SLE-R-204	3795.27	2081.40	132.80	215.29
2767	SLE-R-204	3636.48	2083.03	132.54	214.85
2768	SLE-R-204	3791.87	1545.13	132.37	214.58
2769	SLE-R-204	3753.87	1826.24	133.31	216.11
2770	SLE-R-204	3733.43	1879.58	131.95	213.91
2771	SLE-R-205	3529.32	1504.79	131.23	212.72
2772	SLE-R-205	3683.86	2084.38	131.90	213.83
2773	SLE-R-205	3693.70	1532.54	131.61	213.35
2774	SLE-R-205	3533.40	2072.12	131.71	213.50
2775	SLE-R-205	3655.50	1807.87	132.30	214.46
2776	SLE-R-205	3624.51	1879.39	131.35	212.93
2777	SLE-R-206	3541.54	1503.50	132.28	214.44
2778	SLE-R-206	4098.62	1681.73	131.30	212.85
2779	SLE-R-206	4100.08	1523.12	131.57	213.28
2780	SLE-R-206	3559.90	1680.78	131.65	213.41
2781	SLE-R-206	3874.45	1609.34	132.10	214.15
2782	SLE-R-206	3864.45	1652.25	130.87	212.15
2783	SLE-R-207	3569.13	1462.81	133.25	216.01
2784	SLE-R-207	4136.69	1629.38	132.09	214.13
2785	SLE-R-207	3591.26	1632.81	132.64	215.01
2786	SLE-R-207	4125.93	1477.42	132.35	214.54
2787	SLE-R-207	3889.59	1571.61	132.92	215.48
2788	SLE-R-207	3906.75	1594.98	131.65	213.41
2789	SLE-R-208	3567.87	1475.00	132.21	214.33
2790	SLE-R-208	3739.74	2038.44	132.91	215.46
2791	SLE-R-208	3580.96	2040.07	132.64	215.03
2792	SLE-R-208	3736.34	1502.17	132.48	214.75
2793	SLE-R-208	3698.35	1783.27	133.42	216.29

2794	SLE-R-208	3677.91	1836.62	132.06	214.07
2795	SLE-R-209	3414.63	1652.32	97.63	158.27
2796	SLE-R-209	3569.17	2231.90	97.84	158.60
2797	SLE-R-209	3579.01	1680.06	97.79	158.52
2798	SLE-R-209	3418.71	2219.64	97.72	158.41
2799	SLE-R-209	3540.80	1955.39	99.00	160.49
2800	SLE-R-209	3509.82	2026.91	96.68	156.72
2801	SLE-R-210	3426.85	1651.02	98.49	159.66
2802	SLE-R-210	3983.93	1829.25	97.51	158.07
2803	SLE-R-210	3985.38	1670.64	97.72	158.42
2804	SLE-R-210	3445.21	1828.30	97.72	158.41
2805	SLE-R-210	3759.76	1756.86	99.05	160.57
2806	SLE-R-210	3749.76	1799.77	96.23	156.00
2807	SLE-R-211	3446.04	1619.60	99.72	161.65
2808	SLE-R-211	4013.60	1786.17	98.45	159.60
2809	SLE-R-211	3468.17	1789.60	99.07	160.60
2810	SLE-R-211	4002.84	1634.21	98.70	160.00
2811	SLE-R-211	3766.50	1728.40	99.96	162.03
2812	SLE-R-211	3783.66	1751.77	97.38	157.87
2813	SLE-R-212	3444.78	1631.79	98.90	160.32
2814	SLE-R-212	3616.65	2195.23	99.27	160.92
2815	SLE-R-212	3457.87	2196.86	99.05	160.57
2816	SLE-R-212	3613.25	1658.96	98.85	160.25
2817	SLE-R-212	3575.26	1940.06	100.56	163.02
2818	SLE-R-212	3554.82	1993.41	97.67	158.32
2819	SLE-R-213	3376.60	1591.85	97.85	158.62
2820	SLE-R-213	3531.14	2171.44	98.06	158.96
2821	SLE-R-213	3540.98	1619.60	98.00	158.87
2822	SLE-R-213	3380.68	2159.18	97.94	158.76
2823	SLE-R-213	3502.78	1894.93	99.22	160.84
2824	SLE-R-213	3471.79	1966.45	96.89	157.07
2825	SLE-R-214	3388.82	1590.56	98.71	160.01
2826	SLE-R-214	3945.90	1768.79	97.73	158.43
2827	SLE-R-214	3947.36	1610.18	97.94	158.77
2828	SLE-R-214	3407.18	1767.84	97.94	158.77
2829	SLE-R-214	3721.73	1696.40	99.28	160.93
2830	SLE-R-214	3711.73	1739.31	96.45	156.35
2831	SLE-R-215	3390.51	1576.64	99.94	162.02
2832	SLE-R-215	3958.08	1743.20	98.68	159.97
2833	SLE-R-215	3412.64	1746.63	99.30	160.97
2834	SLE-R-215	3947.31	1591.24	98.93	160.37
2835	SLE-R-215	3710.97	1685.44	100.19	162.41
2836	SLE-R-215	3728.14	1708.80	97.61	158.23
2837	SLE-R-216	3389.25	1588.82	99.13	160.69
2838	SLE-R-216	3561.12	2152.26	99.50	161.29
2839	SLE-R-216	3402.34	2153.89	99.28	160.94
2840	SLE-R-216	3557.73	1615.99	99.08	160.61
2841	SLE-R-216	3519.73	1897.10	100.79	163.39
2842	SLE-R-216	3499.29	1950.44	97.89	158.68

2843	SLE-R-217	3461.18	1687.67	97.96	158.80
2844	SLE-R-217	3615.72	2267.26	98.16	159.13
2845	SLE-R-217	3625.56	1715.42	98.11	159.05
2846	SLE-R-217	3465.26	2255.00	98.04	158.94
2847	SLE-R-217	3587.36	1990.75	99.33	161.02
2848	SLE-R-217	3556.37	2062.27	97.00	157.24
2849	SLE-R-218	3473.40	1686.38	98.82	160.19
2850	SLE-R-218	4030.48	1864.61	97.84	158.60
2851	SLE-R-218	4031.94	1706.00	98.05	158.95
2852	SLE-R-218	3491.76	1863.66	98.05	158.94
2853	SLE-R-218	3806.31	1792.22	99.39	161.11
2854	SLE-R-218	3796.31	1835.13	96.55	156.52
2855	SLE-R-219	3488.53	1659.02	100.04	162.16
2856	SLE-R-219	4056.09	1825.59	98.77	160.12
2857	SLE-R-219	3510.66	1829.02	99.39	161.12
2858	SLE-R-219	4045.33	1673.63	99.02	160.51
2859	SLE-R-219	3808.99	1767.82	100.28	162.56
2860	SLE-R-219	3826.15	1791.19	97.70	158.38
2861	SLE-R-220	3487.27	1671.21	99.22	160.84
2862	SLE-R-220	3659.14	2234.65	99.59	161.44
2863	SLE-R-220	3500.36	2236.28	99.37	161.08
2864	SLE-R-220	3655.74	1698.38	99.17	160.76
2865	SLE-R-220	3617.75	1979.48	100.89	163.54
2866	SLE-R-220	3597.31	2032.83	97.98	158.83
2867	SLE-R-221	3423.15	1627.21	98.18	159.16
2868	SLE-R-221	3577.69	2206.80	98.38	159.48
2869	SLE-R-221	3587.53	1654.96	98.33	159.40
2870	SLE-R-221	3427.23	2194.54	98.26	159.29
2871	SLE-R-221	3549.33	1930.29	99.55	161.38
2872	SLE-R-221	3518.34	2001.81	97.21	157.59
2873	SLE-R-222	3435.37	1625.92	99.04	160.54
2874	SLE-R-222	3992.45	1804.15	98.06	158.96
2875	SLE-R-222	3993.91	1645.54	98.27	159.30
2876	SLE-R-222	3453.73	1803.20	98.27	159.29
2877	SLE-R-222	3768.28	1731.76	99.61	161.47
2878	SLE-R-222	3758.28	1774.67	96.77	156.87
2879	SLE-R-223	3433.00	1616.06	100.26	162.54
2880	SLE-R-223	4000.57	1782.62	99.00	160.49
2881	SLE-R-223	3455.13	1786.05	99.62	161.49
2882	SLE-R-223	3989.80	1630.66	99.25	160.88
2883	SLE-R-223	3753.46	1724.86	100.51	162.94
2884	SLE-R-223	3770.62	1748.22	97.92	158.74
2885	SLE-R-224	3431.74	1628.24	99.45	161.21
2886	SLE-R-224	3603.61	2191.68	99.82	161.81
2887	SLE-R-224	3444.83	2193.31	99.60	161.46
2888	SLE-R-224	3600.22	1655.41	99.40	161.13
2889	SLE-R-224	3562.22	1936.52	101.12	163.92
2890	SLE-R-224	3541.78	1989.86	98.20	159.19
2891	SLE-FR-1	2757.95	2328.32	29.99	48.62

2892	SLE-FR-1	3337.54	2482.86	30.83	49.97
2893	SLE-FR-1	2915.52	2362.87	30.38	49.24
2894	SLE-FR-1	3325.28	2332.40	30.72	49.80
2895	SLE-FR-1	3061.03	2454.50	28.74	46.60
2896	SLE-FR-1	3132.55	2423.51	32.59	52.84
2897	SLE-FR-2	2757.71	2339.48	29.97	48.58
2898	SLE-FR-2	3321.15	2511.36	30.44	49.34
2899	SLE-FR-2	3322.78	2352.57	30.44	49.35
2900	SLE-FR-2	2933.94	2358.90	30.60	49.60
2901	SLE-FR-2	3065.99	2469.96	28.23	45.77
2902	SLE-FR-2	3119.33	2449.52	32.72	53.05
2903	SLE-FR-3	2702.56	2285.22	29.65	48.06
2904	SLE-FR-3	3277.08	2444.83	30.48	49.40
2905	SLE-FR-3	2872.56	2307.35	30.03	48.68
2906	SLE-FR-3	3264.81	2294.37	30.37	49.24
2907	SLE-FR-3	3000.57	2416.47	28.39	46.03
2908	SLE-FR-3	3072.09	2385.48	32.24	52.27
2909	SLE-FR-4	2714.75	2283.96	29.62	48.02
2910	SLE-FR-4	3278.19	2455.83	30.09	48.77
2911	SLE-FR-4	3279.81	2297.05	30.09	48.78
2912	SLE-FR-4	2873.48	2320.87	30.25	49.04
2913	SLE-FR-4	3023.02	2414.44	27.88	45.20
2914	SLE-FR-4	3076.37	2394.00	32.37	52.48
2915	SLE-FR-5	2757.95	2328.32	29.99	48.62
2916	SLE-FR-5	3337.54	2482.86	30.83	49.97
2917	SLE-FR-5	2915.52	2362.87	30.38	49.24
2918	SLE-FR-5	3325.28	2332.40	30.72	49.80
2919	SLE-FR-5	3061.03	2454.50	28.74	46.60
2920	SLE-FR-5	3132.55	2423.51	32.59	52.84
2921	SLE-FR-6	2757.71	2339.48	29.97	48.58
2922	SLE-FR-6	3321.15	2511.36	30.44	49.34
2923	SLE-FR-6	3322.78	2352.57	30.44	49.35
2924	SLE-FR-6	2933.94	2358.90	30.60	49.60
2925	SLE-FR-6	3065.99	2469.96	28.23	45.77
2926	SLE-FR-6	3119.33	2449.52	32.72	53.05
2927	SLE-FR-7	2702.56	2285.22	29.65	48.06
2928	SLE-FR-7	3277.08	2444.83	30.48	49.40
2929	SLE-FR-7	2872.56	2307.35	30.03	48.68
2930	SLE-FR-7	3264.81	2294.37	30.37	49.24
2931	SLE-FR-7	3000.57	2416.47	28.39	46.03
2932	SLE-FR-7	3072.09	2385.48	32.24	52.27
2933	SLE-FR-8	2714.75	2283.96	29.62	48.02
2934	SLE-FR-8	3278.19	2455.83	30.09	48.77
2935	SLE-FR-8	3279.81	2297.05	30.09	48.78
2936	SLE-FR-8	2873.48	2320.87	30.25	49.04
2937	SLE-FR-8	3023.02	2414.44	27.88	45.20
2938	SLE-FR-8	3076.37	2394.00	32.37	52.48
2939	SLE-FR-9	2775.63	2351.59	29.74	48.21
2940	SLE-FR-9	3355.22	2506.14	30.57	49.56

2941	SLE-FR-9	2935.23	2384.12	30.12	48.83
2942	SLE-FR-9	3342.96	2355.67	30.47	49.39
2943	SLE-FR-9	3078.71	2477.77	28.49	46.19
2944	SLE-FR-9	3150.23	2446.78	32.34	52.43
2945	SLE-FR-10	2777.42	2360.73	29.72	48.17
2946	SLE-FR-10	3340.86	2532.60	30.18	48.93
2947	SLE-FR-10	3342.49	2373.82	30.19	48.94
2948	SLE-FR-10	2951.62	2382.18	30.35	49.19
2949	SLE-FR-10	3085.70	2491.21	27.98	45.36
2950	SLE-FR-10	3139.04	2470.77	32.47	52.64
2951	SLE-FR-11	2722.27	2306.46	29.39	47.65
2952	SLE-FR-11	3294.76	2468.11	30.22	48.99
2953	SLE-FR-11	2892.27	2328.59	29.77	48.27
2954	SLE-FR-11	3282.49	2317.65	30.12	48.83
2955	SLE-FR-11	3018.25	2439.74	28.14	45.62
2956	SLE-FR-11	3089.77	2408.75	31.99	51.86
2957	SLE-FR-12	2734.46	2305.20	29.37	47.61
2958	SLE-FR-12	3297.90	2477.07	29.83	48.36
2959	SLE-FR-12	3299.52	2318.29	29.84	48.37
2960	SLE-FR-12	2891.15	2344.15	30.00	48.63
2961	SLE-FR-12	3042.73	2435.68	27.63	44.79
2962	SLE-FR-12	3096.08	2415.24	32.12	52.07
2963	SLE-FR-13	2775.63	2351.59	29.74	48.21
2964	SLE-FR-13	3355.22	2506.14	30.57	49.56
2965	SLE-FR-13	2935.23	2384.12	30.12	48.83
2966	SLE-FR-13	3342.96	2355.67	30.47	49.39
2967	SLE-FR-13	3078.71	2477.77	28.49	46.19
2968	SLE-FR-13	3150.23	2446.78	32.34	52.43
2969	SLE-FR-14	2777.42	2360.73	29.72	48.17
2970	SLE-FR-14	3340.86	2532.60	30.18	48.93
2971	SLE-FR-14	3342.49	2373.82	30.19	48.94
2972	SLE-FR-14	2951.62	2382.18	30.35	49.19
2973	SLE-FR-14	3085.70	2491.21	27.98	45.36
2974	SLE-FR-14	3139.04	2470.77	32.47	52.64
2975	SLE-FR-15	2722.27	2306.46	29.39	47.65
2976	SLE-FR-15	3294.76	2468.11	30.22	48.99
2977	SLE-FR-15	2892.27	2328.59	29.77	48.27
2978	SLE-FR-15	3282.49	2317.65	30.12	48.83
2979	SLE-FR-15	3018.25	2439.74	28.14	45.62
2980	SLE-FR-15	3089.77	2408.75	31.99	51.86
2981	SLE-FR-16	2734.46	2305.20	29.37	47.61
2982	SLE-FR-16	3297.90	2477.07	29.83	48.36
2983	SLE-FR-16	3299.52	2318.29	29.84	48.37
2984	SLE-FR-16	2891.15	2344.15	30.00	48.63
2985	SLE-FR-16	3042.73	2435.68	27.63	44.79
2986	SLE-FR-16	3096.08	2415.24	32.12	52.07
2987	SLE-FR-17	2945.25	2214.33	39.98	64.81
2988	SLE-FR-17	2945.25	2214.33	39.98	64.81
2989	SLE-FR-17	2945.25	2214.33	39.98	64.81

2990	SLE-FR-17	2945.25	2214.33	39.98	64.81
2991	SLE-FR-17	2945.25	2214.33	39.98	64.81
2992	SLE-FR-17	2945.25	2214.33	39.98	64.81
2993	SLE-FR-18	2945.90	2213.24	39.49	64.01
2994	SLE-FR-18	2945.90	2213.24	39.49	64.01
2995	SLE-FR-18	2945.90	2213.24	39.49	64.01
2996	SLE-FR-18	2945.90	2213.24	39.49	64.01
2997	SLE-FR-18	2945.90	2213.24	39.49	64.01
2998	SLE-FR-18	2945.90	2213.24	39.49	64.01
2999	SLE-FR-19	2902.28	2158.80	39.70	64.36
3000	SLE-FR-19	2902.28	2158.80	39.70	64.36
3001	SLE-FR-19	2902.28	2158.80	39.70	64.36
3002	SLE-FR-19	2902.28	2158.80	39.70	64.36
3003	SLE-FR-19	2902.28	2158.80	39.70	64.36
3004	SLE-FR-19	2902.28	2158.80	39.70	64.36
3005	SLE-FR-20	2885.44	2175.21	39.22	63.58
3006	SLE-FR-20	2885.44	2175.21	39.22	63.58
3007	SLE-FR-20	2885.44	2175.21	39.22	63.58
3008	SLE-FR-20	2885.44	2175.21	39.22	63.58
3009	SLE-FR-20	2885.44	2175.21	39.22	63.58
3010	SLE-FR-20	2885.44	2175.21	39.22	63.58
3011	SLE-FR-21	2964.96	2235.57	39.78	64.49
3012	SLE-FR-21	2964.96	2235.57	39.78	64.49
3013	SLE-FR-21	2964.96	2235.57	39.78	64.49
3014	SLE-FR-21	2964.96	2235.57	39.78	64.49
3015	SLE-FR-21	2964.96	2235.57	39.78	64.49
3016	SLE-FR-21	2964.96	2235.57	39.78	64.49
3017	SLE-FR-22	2963.58	2236.51	39.29	63.69
3018	SLE-FR-22	2963.58	2236.51	39.29	63.69
3019	SLE-FR-22	2963.58	2236.51	39.29	63.69
3020	SLE-FR-22	2963.58	2236.51	39.29	63.69
3021	SLE-FR-22	2963.58	2236.51	39.29	63.69
3022	SLE-FR-22	2963.58	2236.51	39.29	63.69
3023	SLE-FR-23	2921.99	2180.05	39.51	64.05
3024	SLE-FR-23	2921.99	2180.05	39.51	64.05
3025	SLE-FR-23	2921.99	2180.05	39.51	64.05
3026	SLE-FR-23	2921.99	2180.05	39.51	64.05
3027	SLE-FR-23	2921.99	2180.05	39.51	64.05
3028	SLE-FR-23	2921.99	2180.05	39.51	64.05
3029	SLE-FR-24	2903.12	2198.49	39.03	63.26
3030	SLE-FR-24	2903.12	2198.49	39.03	63.26
3031	SLE-FR-24	2903.12	2198.49	39.03	63.26
3032	SLE-FR-24	2903.12	2198.49	39.03	63.26
3033	SLE-FR-24	2903.12	2198.49	39.03	63.26
3034	SLE-FR-24	2903.12	2198.49	39.03	63.26
3035	SLE-FR-25	2839.56	2315.72	36.81	59.67
3036	SLE-FR-25	2839.56	2315.72	36.81	59.67
3037	SLE-FR-25	2839.56	2315.72	36.81	59.67
3038	SLE-FR-25	2839.56	2315.72	36.81	59.67

3039	SLE-FR-25	2839.56	2315.72	36.81	59.67
3040	SLE-FR-25	2839.56	2315.72	36.81	59.67
3041	SLE-FR-26	2860.78	2343.65	36.51	59.18
3042	SLE-FR-26	2860.78	2343.65	36.51	59.18
3043	SLE-FR-26	2860.78	2343.65	36.51	59.18
3044	SLE-FR-26	2860.78	2343.65	36.51	59.18
3045	SLE-FR-26	2860.78	2343.65	36.51	59.18
3046	SLE-FR-26	2860.78	2343.65	36.51	59.18
3047	SLE-FR-27	2785.22	2271.57	36.46	59.11
3048	SLE-FR-27	2785.22	2271.57	36.46	59.11
3049	SLE-FR-27	2785.22	2271.57	36.46	59.11
3050	SLE-FR-27	2785.22	2271.57	36.46	59.11
3051	SLE-FR-27	2785.22	2271.57	36.46	59.11
3052	SLE-FR-27	2785.22	2271.57	36.46	59.11
3053	SLE-FR-28	2808.87	2297.06	36.16	58.61
3054	SLE-FR-28	2808.87	2297.06	36.16	58.61
3055	SLE-FR-28	2808.87	2297.06	36.16	58.61
3056	SLE-FR-28	2808.87	2297.06	36.16	58.61
3057	SLE-FR-28	2808.87	2297.06	36.16	58.61
3058	SLE-FR-28	2808.87	2297.06	36.16	58.61
3059	SLE-FR-29	2768.83	2317.90	32.35	52.44
3060	SLE-FR-29	3336.39	2484.46	31.51	51.09
3061	SLE-FR-29	2933.05	2345.80	31.96	51.81
3062	SLE-FR-29	3325.63	2332.50	31.61	51.25
3063	SLE-FR-29	3089.29	2426.69	33.59	54.45
3064	SLE-FR-29	3106.45	2450.06	29.74	48.22
3065	SLE-FR-30	2780.88	2316.77	32.37	52.48
3066	SLE-FR-30	3337.96	2495.00	31.90	51.72
3067	SLE-FR-30	3339.42	2336.38	31.89	51.70
3068	SLE-FR-30	2936.04	2357.25	31.74	51.45
3069	SLE-FR-30	3113.80	2422.61	34.10	55.28
3070	SLE-FR-30	3103.79	2465.51	29.61	48.00
3071	SLE-FR-31	2730.64	2257.60	32.70	53.01
3072	SLE-FR-31	3280.87	2441.50	31.86	51.65
3073	SLE-FR-31	2895.02	2285.34	32.31	52.37
3074	SLE-FR-31	3270.10	2289.54	31.96	51.81
3075	SLE-FR-31	3033.76	2383.73	33.94	55.02
3076	SLE-FR-31	3050.93	2407.09	30.09	48.78
3077	SLE-FR-32	2742.85	2256.31	32.72	53.04
3078	SLE-FR-32	3299.94	2434.54	32.25	52.28
3079	SLE-FR-32	3301.39	2275.92	32.24	52.27
3080	SLE-FR-32	2880.52	2314.29	32.09	52.01
3081	SLE-FR-32	3075.77	2362.15	34.45	55.85
3082	SLE-FR-32	3065.77	2405.05	29.96	48.57
3083	SLE-FR-33	2768.83	2317.90	32.35	52.44
3084	SLE-FR-33	3336.39	2484.46	31.51	51.09
3085	SLE-FR-33	2933.05	2345.80	31.96	51.81
3086	SLE-FR-33	3325.63	2332.50	31.61	51.25
3087	SLE-FR-33	3089.29	2426.69	33.59	54.45

3088	SLE-FR-33	3106.45	2450.06	29.74	48.22
3089	SLE-FR-34	2780.88	2316.77	32.37	52.48
3090	SLE-FR-34	3337.96	2495.00	31.90	51.72
3091	SLE-FR-34	3339.42	2336.38	31.89	51.70
3092	SLE-FR-34	2936.04	2357.25	31.74	51.45
3093	SLE-FR-34	3113.80	2422.61	34.10	55.28
3094	SLE-FR-34	3103.79	2465.51	29.61	48.00
3095	SLE-FR-35	2730.64	2257.60	32.70	53.01
3096	SLE-FR-35	3280.87	2441.50	31.86	51.65
3097	SLE-FR-35	2895.02	2285.34	32.31	52.37
3098	SLE-FR-35	3270.10	2289.54	31.96	51.81
3099	SLE-FR-35	3033.76	2383.73	33.94	55.02
3100	SLE-FR-35	3050.93	2407.09	30.09	48.78
3101	SLE-FR-36	2742.85	2256.31	32.72	53.04
3102	SLE-FR-36	3299.94	2434.54	32.25	52.28
3103	SLE-FR-36	3301.39	2275.92	32.24	52.27
3104	SLE-FR-36	2880.52	2314.29	32.09	52.01
3105	SLE-FR-36	3075.77	2362.15	34.45	55.85
3106	SLE-FR-36	3065.77	2405.05	29.96	48.57
3107	SLE-FR-37	2791.94	2335.74	32.60	52.85
3108	SLE-FR-37	3357.64	2504.17	31.77	51.50
3109	SLE-FR-37	2956.32	2363.48	32.21	52.22
3110	SLE-FR-37	3346.87	2352.21	31.87	51.66
3111	SLE-FR-37	3110.53	2446.40	33.84	54.86
3112	SLE-FR-37	3127.70	2469.77	30.00	48.63
3113	SLE-FR-38	2804.16	2334.45	32.63	52.89
3114	SLE-FR-38	3361.24	2512.68	32.16	52.13
3115	SLE-FR-38	3362.70	2354.06	32.15	52.11
3116	SLE-FR-38	2957.29	2376.96	31.99	51.86
3117	SLE-FR-38	3137.07	2440.29	34.35	55.69
3118	SLE-FR-38	3127.07	2483.19	29.87	48.41
3119	SLE-FR-39	2753.91	2275.28	32.95	53.42
3120	SLE-FR-39	3302.11	2461.21	32.12	52.06
3121	SLE-FR-39	2918.29	2303.02	32.56	52.78
3122	SLE-FR-39	3291.35	2309.25	32.22	52.22
3123	SLE-FR-39	3055.01	2403.44	34.19	55.43
3124	SLE-FR-39	3072.17	2426.80	30.35	49.19
3125	SLE-FR-40	2766.13	2273.99	32.98	53.45
3126	SLE-FR-40	3323.21	2452.22	32.51	52.69
3127	SLE-FR-40	3324.67	2293.60	32.50	52.68
3128	SLE-FR-40	2901.76	2334.00	32.34	52.42
3129	SLE-FR-40	3099.04	2379.83	34.70	56.26
3130	SLE-FR-40	3089.04	2422.73	30.22	48.98
3131	SLE-FR-41	2791.94	2335.74	32.60	52.85
3132	SLE-FR-41	3357.64	2504.17	31.77	51.50
3133	SLE-FR-41	2956.32	2363.48	32.21	52.22
3134	SLE-FR-41	3346.87	2352.21	31.87	51.66
3135	SLE-FR-41	3110.53	2446.40	33.84	54.86
3136	SLE-FR-41	3127.70	2469.77	30.00	48.63

3137	SLE-FR-42	2804.16	2334.45	32.63	52.89
3138	SLE-FR-42	3361.24	2512.68	32.16	52.13
3139	SLE-FR-42	3362.70	2354.06	32.15	52.11
3140	SLE-FR-42	2957.29	2376.96	31.99	51.86
3141	SLE-FR-42	3137.07	2440.29	34.35	55.69
3142	SLE-FR-42	3127.07	2483.19	29.87	48.41
3143	SLE-FR-43	2753.91	2275.28	32.95	53.42
3144	SLE-FR-43	3302.11	2461.21	32.12	52.06
3145	SLE-FR-43	2918.29	2303.02	32.56	52.78
3146	SLE-FR-43	3291.35	2309.25	32.22	52.22
3147	SLE-FR-43	3055.01	2403.44	34.19	55.43
3148	SLE-FR-43	3072.17	2426.80	30.35	49.19
3149	SLE-FR-44	2766.13	2273.99	32.98	53.45
3150	SLE-FR-44	3323.21	2452.22	32.51	52.69
3151	SLE-FR-44	3324.67	2293.60	32.50	52.68
3152	SLE-FR-44	2901.76	2334.00	32.34	52.42
3153	SLE-FR-44	3099.04	2379.83	34.70	56.26
3154	SLE-FR-44	3089.04	2422.73	30.22	48.98
3155	SLE-FR-45	2948.23	2211.79	40.31	65.34
3156	SLE-FR-45	2948.23	2211.79	40.31	65.34
3157	SLE-FR-45	2948.23	2211.79	40.31	65.34
3158	SLE-FR-45	2948.23	2211.79	40.31	65.34
3159	SLE-FR-45	2948.23	2211.79	40.31	65.34
3160	SLE-FR-45	2948.23	2211.79	40.31	65.34
3161	SLE-FR-46	2958.04	2201.55	40.77	66.10
3162	SLE-FR-46	2958.04	2201.55	40.77	66.10
3163	SLE-FR-46	2958.04	2201.55	40.77	66.10
3164	SLE-FR-46	2958.04	2201.55	40.77	66.10
3165	SLE-FR-46	2958.04	2201.55	40.77	66.10
3166	SLE-FR-46	2958.04	2201.55	40.77	66.10
3167	SLE-FR-47	2910.20	2151.33	40.58	65.78
3168	SLE-FR-47	2910.20	2151.33	40.58	65.78
3169	SLE-FR-47	2910.20	2151.33	40.58	65.78
3170	SLE-FR-47	2910.20	2151.33	40.58	65.78
3171	SLE-FR-47	2910.20	2151.33	40.58	65.78
3172	SLE-FR-47	2910.20	2151.33	40.58	65.78
3173	SLE-FR-48	2902.52	2158.58	41.05	66.55
3174	SLE-FR-48	2902.52	2158.58	41.05	66.55
3175	SLE-FR-48	2902.52	2158.58	41.05	66.55
3176	SLE-FR-48	2902.52	2158.58	41.05	66.55
3177	SLE-FR-48	2902.52	2158.58	41.05	66.55
3178	SLE-FR-48	2902.52	2158.58	41.05	66.55
3179	SLE-FR-49	2971.51	2229.47	40.51	65.66
3180	SLE-FR-49	2971.51	2229.47	40.51	65.66
3181	SLE-FR-49	2971.51	2229.47	40.51	65.66
3182	SLE-FR-49	2971.51	2229.47	40.51	65.66
3183	SLE-FR-49	2971.51	2229.47	40.51	65.66
3184	SLE-FR-49	2971.51	2229.47	40.51	65.66
3185	SLE-FR-50	2979.29	2221.26	40.97	66.42

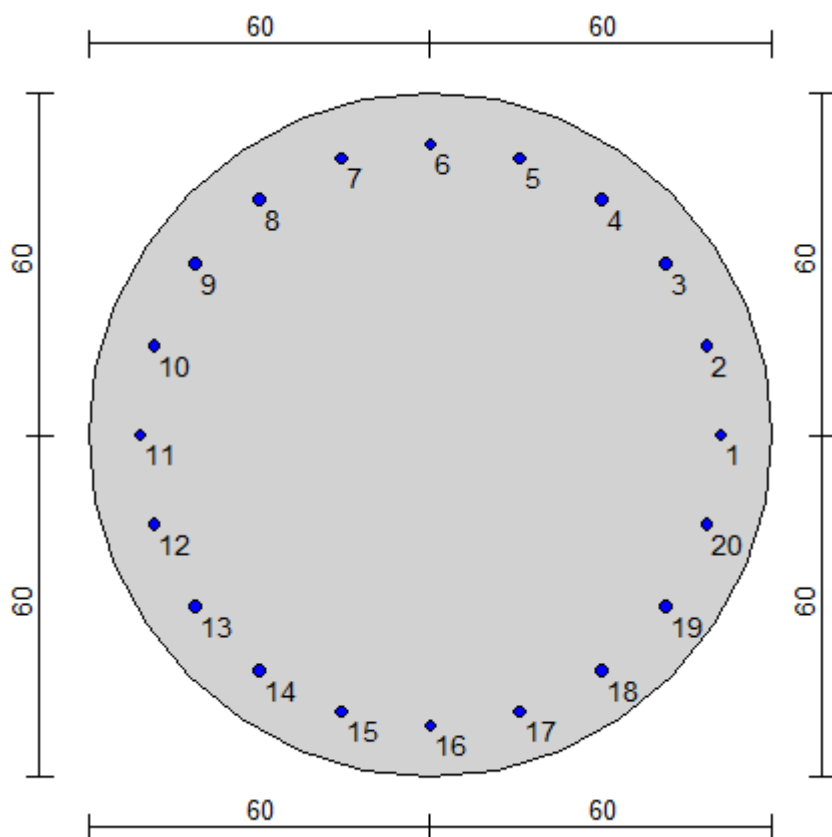
3186	SLE-FR-50	2979.29	2221.26	40.97	66.42
3187	SLE-FR-50	2979.29	2221.26	40.97	66.42
3188	SLE-FR-50	2979.29	2221.26	40.97	66.42
3189	SLE-FR-50	2979.29	2221.26	40.97	66.42
3190	SLE-FR-50	2979.29	2221.26	40.97	66.42
3191	SLE-FR-51	2933.48	2169.01	40.78	66.10
3192	SLE-FR-51	2933.48	2169.01	40.78	66.10
3193	SLE-FR-51	2933.48	2169.01	40.78	66.10
3194	SLE-FR-51	2933.48	2169.01	40.78	66.10
3195	SLE-FR-51	2933.48	2169.01	40.78	66.10
3196	SLE-FR-51	2933.48	2169.01	40.78	66.10
3197	SLE-FR-52	2923.76	2178.29	41.25	66.87
3198	SLE-FR-52	2923.76	2178.29	41.25	66.87
3199	SLE-FR-52	2923.76	2178.29	41.25	66.87
3200	SLE-FR-52	2923.76	2178.29	41.25	66.87
3201	SLE-FR-52	2923.76	2178.29	41.25	66.87
3202	SLE-FR-52	2923.76	2178.29	41.25	66.87
3203	SLE-FR-53	2844.13	2311.69	37.99	61.59
3204	SLE-FR-53	2844.13	2311.69	37.99	61.59
3205	SLE-FR-53	2844.13	2311.69	37.99	61.59
3206	SLE-FR-53	2844.13	2311.69	37.99	61.59
3207	SLE-FR-53	2844.13	2311.69	37.99	61.59
3208	SLE-FR-53	2844.13	2311.69	37.99	61.59
3209	SLE-FR-54	2872.06	2332.90	38.29	62.08
3210	SLE-FR-54	2872.06	2332.90	38.29	62.08
3211	SLE-FR-54	2872.06	2332.90	38.29	62.08
3212	SLE-FR-54	2872.06	2332.90	38.29	62.08
3213	SLE-FR-54	2872.06	2332.90	38.29	62.08
3214	SLE-FR-54	2872.06	2332.90	38.29	62.08
3215	SLE-FR-55	2806.10	2251.23	38.34	62.15
3216	SLE-FR-55	2806.10	2251.23	38.34	62.15
3217	SLE-FR-55	2806.10	2251.23	38.34	62.15
3218	SLE-FR-55	2806.10	2251.23	38.34	62.15
3219	SLE-FR-55	2806.10	2251.23	38.34	62.15
3220	SLE-FR-55	2806.10	2251.23	38.34	62.15
3221	SLE-FR-56	2834.03	2272.44	38.64	62.64
3222	SLE-FR-56	2834.03	2272.44	38.64	62.64
3223	SLE-FR-56	2834.03	2272.44	38.64	62.64
3224	SLE-FR-56	2834.03	2272.44	38.64	62.64
3225	SLE-FR-56	2834.03	2272.44	38.64	62.64
3226	SLE-FR-56	2834.03	2272.44	38.64	62.64
3227	SLE-QP-1	2797.34	2362.08	30.55	49.53
3228	SLE-QP-1	2797.34	2362.08	30.55	49.53
3229	SLE-QP-1	2797.34	2362.08	30.55	49.53
3230	SLE-QP-1	2797.34	2362.08	30.55	49.53
3231	SLE-QP-1	2797.34	2362.08	30.55	49.53
3232	SLE-QP-1	2797.34	2362.08	30.55	49.53
3233	SLE-QP-2	2744.42	2316.50	30.20	48.96
3234	SLE-QP-2	2744.42	2316.50	30.20	48.96

3235	SLE-QP-2	2744.42	2316.50	30.20	48.96
3236	SLE-QP-2	2744.42	2316.50	30.20	48.96
3237	SLE-QP-2	2744.42	2316.50	30.20	48.96
3238	SLE-QP-2	2744.42	2316.50	30.20	48.96
3239	SLE-QP-3	2815.02	2385.35	30.30	49.12
3240	SLE-QP-3	2815.02	2385.35	30.30	49.12
3241	SLE-QP-3	2815.02	2385.35	30.30	49.12
3242	SLE-QP-3	2815.02	2385.35	30.30	49.12
3243	SLE-QP-3	2815.02	2385.35	30.30	49.12
3244	SLE-QP-3	2815.02	2385.35	30.30	49.12
3245	SLE-QP-4	2764.13	2337.75	29.95	48.55
3246	SLE-QP-4	2764.13	2337.75	29.95	48.55
3247	SLE-QP-4	2764.13	2337.75	29.95	48.55
3248	SLE-QP-4	2764.13	2337.75	29.95	48.55
3249	SLE-QP-4	2764.13	2337.75	29.95	48.55
3250	SLE-QP-4	2764.13	2337.75	29.95	48.55
3251	SLE-QP-5	2802.42	2357.45	31.78	51.52
3252	SLE-QP-5	2802.42	2357.45	31.78	51.52
3253	SLE-QP-5	2802.42	2357.45	31.78	51.52
3254	SLE-QP-5	2802.42	2357.45	31.78	51.52
3255	SLE-QP-5	2802.42	2357.45	31.78	51.52
3256	SLE-QP-5	2802.42	2357.45	31.78	51.52
3257	SLE-QP-6	2764.40	2296.99	32.13	52.09
3258	SLE-QP-6	2764.40	2296.99	32.13	52.09
3259	SLE-QP-6	2764.40	2296.99	32.13	52.09
3260	SLE-QP-6	2764.40	2296.99	32.13	52.09
3261	SLE-QP-6	2764.40	2296.99	32.13	52.09
3262	SLE-QP-6	2764.40	2296.99	32.13	52.09
3263	SLE-QP-7	2825.70	2375.13	32.04	51.93
3264	SLE-QP-7	2825.70	2375.13	32.04	51.93
3265	SLE-QP-7	2825.70	2375.13	32.04	51.93
3266	SLE-QP-7	2825.70	2375.13	32.04	51.93
3267	SLE-QP-7	2825.70	2375.13	32.04	51.93
3268	SLE-QP-7	2825.70	2375.13	32.04	51.93
3269	SLE-QP-8	2787.67	2314.66	32.39	52.50
3270	SLE-QP-8	2787.67	2314.66	32.39	52.50
3271	SLE-QP-8	2787.67	2314.66	32.39	52.50
3272	SLE-QP-8	2787.67	2314.66	32.39	52.50
3273	SLE-QP-8	2787.67	2314.66	32.39	52.50
3274	SLE-QP-8	2787.67	2314.66	32.39	52.50

14.4.2. VERIFICA A PRESSOFLESSIONE

Si riporta di seguito la verifica a pressoflessione dei pali; essi verranno armati con ferri 20 ϕ 20.

VERIFICA SLU-NMAX



Geometria della sezione:

Vertice	X	Y
n.	cm	cm
1	60.0	120.0
2	71.7	118.8
3	83.0	115.4
4	93.3	109.9
5	102.4	102.4
6	109.9	93.3
7	115.4	83.0
8	118.8	71.7
9	120.0	60.0
10	118.8	48.3
11	115.4	37.0
12	109.9	26.7
13	102.4	17.6
14	93.3	10.1
15	83.0	4.6
16	71.7	1.2
17	60.0	0.0
18	48.3	1.2
19	37.0	4.6
20	26.7	10.1
21	17.6	17.6
22	10.1	26.7
23	4.6	37.0
24	1.2	48.3
25	0.0	60.0
26	1.2	71.7
27	4.6	83.0

28	10.1	93.3
29	17.6	102.4
30	26.7	109.9
31	37.0	115.4
32	48.3	118.8

Armature:

Pos	X	Y	Area	Pretens.
n.	cm	cm	cmq	si / no
1	111.0	60.0	3.14	no
2	108.5	75.8	3.14	no
3	101.3	90.0	3.14	no
4	90.0	101.3	3.14	no
5	75.8	108.5	3.14	no
6	60.0	111.0	3.14	no
7	44.2	108.5	3.14	no
8	30.0	101.3	3.14	no
9	18.7	90.0	3.14	no
10	11.5	75.8	3.14	no
11	9.0	60.0	3.14	no
12	11.5	44.2	3.14	no
13	18.7	30.0	3.14	no
14	30.0	18.7	3.14	no
15	44.2	11.5	3.14	no
16	60.0	9.0	3.14	no
17	75.8	11.5	3.14	no
18	90.0	18.7	3.14	no
19	101.3	30.0	3.14	no
20	108.5	44.2	3.14	no

Normativa di riferimento:

D.M. 17/01/2018 - 'Norme tecniche per le costruzioni'

Note:

Verifiche SLE per ambiente aggressivo

Materiali:

Calcestruzzo classe: C25/30

R_{ck} (resistenza caratteristica cubica a compressione) = 300.00 daN/cm²

f_{ck} (resistenza caratteristica cilindrica a compressione) = 249.00 daN/cm²

f_{cd} = 141.10 daN/cm² ($\alpha_{cc} = 0.85$; $\gamma_c = 1.50$)

f_{ctm} (resistenza a trazione media) = 25.58 daN/cm²

G (modulo di elasticità tangenziale) = 140389 daN/cm²

E (modulo elastico istantaneo iniziale) = 314472 daN/cm²

C. Poisson (coefficiente di contrazione trasversale) = 0.20

Coefficiente di dilatazione termica = 0.000050

Peso specifico del calcestruzzo armato = 2500 daN/mc

Barre d'acciaio ad aderenza migliorata tipo: B450C

f_{yk} (tensione caratteristica di snervamento) = 4500 daN/cm²

f_{yd} = 3913 daN/cm² ($\gamma_a = 1.15$)

f_{kt} (tensione caratteristica di rottura) = 5400 daN/cm²

ϵ_{uk} (deformazione di rottura) = 0.075

G (modulo di elasticità tangenziale) = 770000 daN/cm²

E (modulo elastico) = 2000000 daN/cm²

C. Poisson (coefficiente di contrazione trasversale) = 0.30

Coefficiente di dilatazione termica = 0.000012

Peso specifico = 7850 daN/mc

Intersezioni del dominio con gli assi N, Mx e My:

asse N - (Mx = 0, My = 0) Nu = -245864 daN
 asse N + (Mx = 0, My = 0) Nu = 1831466 daN
 asse Mx + (N = 0, My = 0) Mxu = 11753566 daN cm
 asse Mx - (N = 0, My = 0) Mxu = -11753566 daN cm
 asse My + (N = 0, Mx = 0) Myu = 11753566 daN cm
 asse My - (N = 0, Mx = 0) Myu = -11753566 daN cm

Verifiche stato limite ultimo:

Per ogni combinazione di carico saranno svolte le verifiche:

Verifica per Mxu, Myu e Nu proporzionali (sigla t.v.= P)

Verifica con rapporto Mxu, Myu assegnato (sigla t.v.= M)

Verifica con Nu costante (sigla t.v.= N)

Verifiche SLU (verifica Ok per Sd/Su < 1)

Cmb	N	Mx	My	T	Vx	Vy
n.	daN cm	daN cm	daN	daN cm	daN	daN
1	445038	2033555	0	0	0	12545
2	490753	2085677	0	0	0	12866
3	492130	2059869	0	0	0	12707
4	458258	2070475	0	0	0	12772
5	470833	2034415	0	0	0	12550
6	478348	2111359	0	0	0	13025
7	448043	2072970	0	0	0	12788
8	596395	2050650	0	0	0	12650
9	595738	2060642	0	0	0	12712
10	453883	2065995	0	0	0	12745
11	524039	2020574	0	0	0	12464
12	539560	2099948	0	0	0	12954
13	443139	2057612	0	0	0	12693
14	594417	2036926	0	0	0	12565
15	449689	2043876	0	0	0	12608
16	590655	2046540	0	0	0	12625
17	517048	2012384	0	0	0	12414
18	538164	2073355	0	0	0	12790
19	442756	2016877	0	0	0	12442
20	491309	2059032	0	0	0	12702
21	453509	2043419	0	0	0	12605
22	491012	2045724	0	0	0	12620
23	467647	2010249	0	0	0	12401
24	480162	2089338	0	0	0	12889
25	439882	2030463	0	0	0	12525
26	485597	2082543	0	0	0	12847
27	486975	2056767	0	0	0	12688
28	451003	2067338	0	0	0	12753
29	465678	2031499	0	0	0	12532
30	473193	2108044	0	0	0	13004
31	442887	2069939	0	0	0	12769
32	591239	2047514	0	0	0	12631
33	590583	2057540	0	0	0	12693
34	448727	2062872	0	0	0	12725
35	518884	2017705	0	0	0	12447
36	534404	2096602	0	0	0	12933
37	435884	2054844	0	0	0	12676
38	587162	2034006	0	0	0	12547
39	442433	2041038	0	0	0	12591
40	583399	2043657	0	0	0	12607

41	509792	2009730	0	0	0	12398
42	530909	2070265	0	0	0	12771
43	435500	2014053	0	0	0	12424
44	484054	2056196	0	0	0	12684
45	448353	2040580	0	0	0	12588
46	483756	2042860	0	0	0	12602
47	460391	2007658	0	0	0	12385
48	472907	2086257	0	0	0	12870
49	448586	2030384	0	0	0	12525
50	494301	2082459	0	0	0	12846
51	495678	2056687	0	0	0	12687
52	461440	2067256	0	0	0	12752
53	474381	2031435	0	0	0	12531
54	481896	2107944	0	0	0	13003
55	451591	2069865	0	0	0	12769
56	599943	2047430	0	0	0	12630
57	599286	2057460	0	0	0	12692
58	457431	2062790	0	0	0	12725
59	527587	2017645	0	0	0	12446
60	543108	2096496	0	0	0	12933
61	446321	2054430	0	0	0	12673
62	597600	2033583	0	0	0	12545
63	452871	2040619	0	0	0	12588
64	593837	2043233	0	0	0	12604
65	520230	2009322	0	0	0	12395
66	541347	2069827	0	0	0	12768
67	445938	2013637	0	0	0	12422
68	494491	2055776	0	0	0	12682
69	457057	2040161	0	0	0	12585
70	494194	2042437	0	0	0	12599
71	470829	2007256	0	0	0	12382
72	483345	2085820	0	0	0	12867
73	443430	2027312	0	0	0	12506
74	489145	2079345	0	0	0	12827
75	490523	2053605	0	0	0	12668
76	454185	2064140	0	0	0	12733
77	469226	2028539	0	0	0	12514
78	476741	2104649	0	0	0	12983
79	446435	2066854	0	0	0	12750
80	594787	2044310	0	0	0	12611
81	594131	2054378	0	0	0	12673
82	452275	2059687	0	0	0	12706
83	522431	2014797	0	0	0	12429
84	537952	2093169	0	0	0	12912
85	439066	2051682	0	0	0	12656
86	590344	2030683	0	0	0	12527
87	445615	2037801	0	0	0	12571
88	586582	2040369	0	0	0	12587
89	512975	2006689	0	0	0	12379
90	534091	2066757	0	0	0	12749
91	438682	2010834	0	0	0	12404
92	487236	2052958	0	0	0	12664
93	451901	2037341	0	0	0	12568
94	486939	2039593	0	0	0	12582
95	463574	2004686	0	0	0	12366
96	476089	2082759	0	0	0	12848
97	357526	2033877	0	0	0	12547
98	403241	2086004	0	0	0	12868
99	404618	2060195	0	0	0	12709
100	370732	2070805	0	0	0	12774
101	383321	2034719	0	0	0	12552
102	390836	2111708	0	0	0	13027
103	360531	2073286	0	0	0	12790
104	508883	2050978	0	0	0	12652
105	508226	2060968	0	0	0	12714
106	366371	2066322	0	0	0	12747
107	436527	2020874	0	0	0	12466
108	452048	2100300	0	0	0	12956

109	355613	2057910	0	0	0	12695
110	506891	2037239	0	0	0	12567
111	362162	2044178	0	0	0	12610
112	503128	2046851	0	0	0	12627
113	429521	2012668	0	0	0	12416
114	450638	2073687	0	0	0	12792
115	355229	2017180	0	0	0	12444
116	403783	2059336	0	0	0	12704
117	365997	2043725	0	0	0	12607
118	403486	2046030	0	0	0	12622
119	380120	2010526	0	0	0	12402
120	392636	2089666	0	0	0	12891
121	352370	2030784	0	0	0	12527
122	398085	2082867	0	0	0	12849
123	399463	2057091	0	0	0	12690
124	363476	2067666	0	0	0	12755
125	378166	2031801	0	0	0	12534
126	385681	2108389	0	0	0	13006
127	355375	2070252	0	0	0	12771
128	503727	2047838	0	0	0	12633
129	503071	2057861	0	0	0	12694
130	361215	2063198	0	0	0	12727
131	431372	2018001	0	0	0	12449
132	446892	2096952	0	0	0	12936
133	348357	2055139	0	0	0	12678
134	499636	2034318	0	0	0	12549
135	354907	2041339	0	0	0	12593
136	495873	2043965	0	0	0	12609
137	422266	2010011	0	0	0	12399
138	443383	2070595	0	0	0	12773
139	347974	2014355	0	0	0	12426
140	396528	2056497	0	0	0	12686
141	360841	2040884	0	0	0	12590
142	396230	2043165	0	0	0	12604
143	372865	2007933	0	0	0	12387
144	385381	2086586	0	0	0	12872
145	361074	2030705	0	0	0	12527
146	406789	2082785	0	0	0	12848
147	408166	2057011	0	0	0	12689
148	373914	2067581	0	0	0	12754
149	386869	2031738	0	0	0	12533
150	394384	2108288	0	0	0	13006
151	364078	2070180	0	0	0	12770
152	512431	2047755	0	0	0	12632
153	511774	2057781	0	0	0	12694
154	369919	2063116	0	0	0	12727
155	440075	2017944	0	0	0	12448
156	455596	2096847	0	0	0	12935
157	358795	2054724	0	0	0	12675
158	510074	2033892	0	0	0	12547
159	365345	2040921	0	0	0	12590
160	506311	2043542	0	0	0	12606
161	432704	2009604	0	0	0	12397
162	453821	2070157	0	0	0	12770
163	358412	2013936	0	0	0	12424
164	406965	2056078	0	0	0	12683
165	369545	2040463	0	0	0	12587
166	406668	2042744	0	0	0	12601
167	383303	2007531	0	0	0	12384
168	395818	2086150	0	0	0	12869
169	355918	2027630	0	0	0	12508
170	401633	2079668	0	0	0	12829
171	403010	2053928	0	0	0	12670
172	366659	2064462	0	0	0	12735
173	381713	2028841	0	0	0	12515
174	389228	2104990	0	0	0	12985
175	358923	2067167	0	0	0	12752
176	507275	2044636	0	0	0	12613

177	506618	2054696	0	0	0	12675
178	364763	2060008	0	0	0	12708
179	434919	2015093	0	0	0	12431
180	450440	2093515	0	0	0	12914
181	351540	2051974	0	0	0	12658
182	502818	2030991	0	0	0	12529
183	358089	2038103	0	0	0	12573
184	499055	2040676	0	0	0	12588
185	425448	2006970	0	0	0	12381
186	446565	2067085	0	0	0	12751
187	351156	2011132	0	0	0	12406
188	399710	2053257	0	0	0	12666
189	364389	2037643	0	0	0	12570
190	399413	2039897	0	0	0	12584
191	376047	2004959	0	0	0	12368
192	388563	2083085	0	0	0	12850
193	408007	1769308	0	0	0	10914
194	428870	1789781	0	0	0	11041
195	430198	1780486	0	0	0	10983
196	408558	1784645	0	0	0	11009
197	425041	1786450	0	0	0	11020
198	424038	1788065	0	0	0	11030
199	409656	1793254	0	0	0	11062
200	484862	1773754	0	0	0	10942
201	485059	1779855	0	0	0	10980
202	412135	1782553	0	0	0	10996
203	454600	1779036	0	0	0	10974
204	456659	1777873	0	0	0	10967
205	418930	1922203	0	0	0	11858
206	495552	1900695	0	0	0	11725
207	421918	1910501	0	0	0	11785
208	494099	1905937	0	0	0	11757
209	462193	1907314	0	0	0	11766
210	464510	1901378	0	0	0	11729
211	418761	1898312	0	0	0	11710
212	441963	1917161	0	0	0	11827
213	420528	1911053	0	0	0	11789
214	441504	1908166	0	0	0	11771
215	436375	1915868	0	0	0	11819
216	433616	1911558	0	0	0	11792
217	403443	1769400	0	0	0	10915
218	424306	1789802	0	0	0	11041
219	425635	1780544	0	0	0	10984
220	403994	1784674	0	0	0	11009
221	420477	1786644	0	0	0	11021
222	418882	1787938	0	0	0	11029
223	405093	1793343	0	0	0	11063
224	480299	1773808	0	0	0	10942
225	480496	1779908	0	0	0	10980
226	407572	1782592	0	0	0	10996
227	450036	1779274	0	0	0	10976
228	451504	1777735	0	0	0	10966
229	412267	1922594	0	0	0	11860
230	488889	1901024	0	0	0	11727
231	415255	1910864	0	0	0	11788
232	487436	1906273	0	0	0	11759
233	455530	1907805	0	0	0	11769
234	457847	1901569	0	0	0	11730
235	412098	1898709	0	0	0	11713
236	435300	1917518	0	0	0	11829
237	413865	1911410	0	0	0	11791
238	434841	1908511	0	0	0	11773
239	429712	1916397	0	0	0	11822
240	426953	1911738	0	0	0	11793
241	412196	1769610	0	0	0	10916
242	433060	1790005	0	0	0	11042
243	434388	1780751	0	0	0	10985
244	412747	1784879	0	0	0	11011

245	429230	1786863	0	0	0	11023
246	427586	1788129	0	0	0	11031
247	413846	1793553	0	0	0	11064
248	489052	1774012	0	0	0	10943
249	489249	1780115	0	0	0	10981
250	416325	1782798	0	0	0	10998
251	458789	1779496	0	0	0	10977
252	460207	1777926	0	0	0	10968
253	422754	1922428	0	0	0	11859
254	499376	1900852	0	0	0	11726
255	425742	1910695	0	0	0	11787
256	497923	1906102	0	0	0	11758
257	466017	1907649	0	0	0	11768
258	468334	1901385	0	0	0	11729
259	422585	1898543	0	0	0	11712
260	445787	1917348	0	0	0	11828
261	424352	1911240	0	0	0	11790
262	445328	1908341	0	0	0	11772
263	440199	1916242	0	0	0	11821
264	437440	1911553	0	0	0	11792
265	407633	1769730	0	0	0	10917
266	428496	1790054	0	0	0	11042
267	429824	1780837	0	0	0	10986
268	408184	1784936	0	0	0	11011
269	424667	1787085	0	0	0	11024
270	422430	1788030	0	0	0	11030
271	409282	1793672	0	0	0	11065
272	484488	1774094	0	0	0	10944
273	484685	1780196	0	0	0	10982
274	411762	1782865	0	0	0	10998
275	454226	1779762	0	0	0	10979
276	455051	1777816	0	0	0	10967
277	416091	1922844	0	0	0	11862
278	492713	1901207	0	0	0	11728
279	419079	1911084	0	0	0	11789
280	491260	1906467	0	0	0	11761
281	459354	1908166	0	0	0	11771
282	461671	1901604	0	0	0	11731
283	415922	1898966	0	0	0	11714
284	439124	1917732	0	0	0	11830
285	417689	1911624	0	0	0	11792
286	438665	1908713	0	0	0	11774
287	433536	1916799	0	0	0	11824
288	430777	1911759	0	0	0	11793
289	493033	2662919	0	0	0	16427
290	515519	2690541	0	0	0	16597
291	515983	2676962	0	0	0	16514
292	495005	2685299	0	0	0	16565
293	507721	2655542	0	0	0	16381
294	510875	2716717	0	0	0	16759
295	494678	2679647	0	0	0	16530
296	570743	2673054	0	0	0	16489
297	570962	2677500	0	0	0	16517
298	498346	2681904	0	0	0	16544
299	536295	2642123	0	0	0	16299
300	543497	2711546	0	0	0	16727
301	487306	2560589	0	0	0	15796
302	565550	2559181	0	0	0	15787
303	491051	2558726	0	0	0	15784
304	563895	2561162	0	0	0	15799
305	528221	2529709	0	0	0	15605
306	537876	2588376	0	0	0	15967
307	487131	2543504	0	0	0	15690
308	511192	2564290	0	0	0	15819
309	489780	2560138	0	0	0	15793
310	511064	2560718	0	0	0	15797
311	501420	2527346	0	0	0	15591
312	507212	2597452	0	0	0	16023

313	487877	2658086	0	0	0	16397
314	510364	2685713	0	0	0	16568
315	510827	2672135	0	0	0	16484
316	489849	2680467	0	0	0	16535
317	502565	2650766	0	0	0	16352
318	505719	2711836	0	0	0	16729
319	489522	2674847	0	0	0	16501
320	565587	2668216	0	0	0	16460
321	565806	2672667	0	0	0	16487
322	493190	2677073	0	0	0	16514
323	531139	2637353	0	0	0	16269
324	538341	2706651	0	0	0	16697
325	480051	2555795	0	0	0	15766
326	558295	2554336	0	0	0	15757
327	483796	2553906	0	0	0	15754
328	556639	2556326	0	0	0	15769
329	520966	2524927	0	0	0	15576
330	530621	2583482	0	0	0	15937
331	479876	2538676	0	0	0	15661
332	503937	2559477	0	0	0	15789
333	482524	2555316	0	0	0	15763
334	503808	2555889	0	0	0	15767
335	494164	2522591	0	0	0	15561
336	499957	2592570	0	0	0	15993
337	496581	2657822	0	0	0	16396
338	519067	2685449	0	0	0	16566
339	519530	2671871	0	0	0	16482
340	498553	2680205	0	0	0	16534
341	511268	2650511	0	0	0	16350
342	514423	2711569	0	0	0	16727
343	498226	2674589	0	0	0	16499
344	574290	2667951	0	0	0	16458
345	574510	2672404	0	0	0	16485
346	501894	2676810	0	0	0	16513
347	539843	2637096	0	0	0	16268
348	547044	2706380	0	0	0	16695
349	490488	2555250	0	0	0	15763
350	568732	2553790	0	0	0	15754
351	494234	2553361	0	0	0	15751
352	567077	2555779	0	0	0	15766
353	531404	2524385	0	0	0	15572
354	541059	2582932	0	0	0	15934
355	490314	2538133	0	0	0	15657
356	514375	2558934	0	0	0	15786
357	492962	2554770	0	0	0	15760
358	514246	2555343	0	0	0	15763
359	504602	2522050	0	0	0	15558
360	510395	2592023	0	0	0	15990
361	491425	2652998	0	0	0	16366
362	513911	2680631	0	0	0	16536
363	514375	2667052	0	0	0	16452
364	493397	2675381	0	0	0	16504
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368	569135	2663123	0	0	0	16428
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1183	458350	2394307	0	0	0	14770
1184	533556	2372571	0	0	0	14636
1185	533753	2378167	0	0	0	14670
1186	460829	2379405	0	0	0	14678
1187	503293	2394734	0	0	0	14773
1188	501943	2358025	0	0	0	14546
1189	431428	1776474	0	0	0	10959
1190	508049	1749130	0	0	0	10790
1191	434416	1762335	0	0	0	10871
1192	506596	1754687	0	0	0	10824
1193	474690	1777641	0	0	0	10966
1194	477007	1730130	0	0	0	10673
1195	431258	1756603	0	0	0	10836
1196	454461	1767344	0	0	0	10902

1197	433025	1762111	0	0	0	10870
1198	454002	1757917	0	0	0	10844
1199	448873	1790379	0	0	0	11044
1200	446113	1737413	0	0	0	10718
1201	465454	2372386	0	0	0	14635
1202	486317	2384720	0	0	0	14711
1203	487645	2379647	0	0	0	14680
1204	466005	2380766	0	0	0	14686
1205	482488	2397993	0	0	0	14793
1206	478304	2368965	0	0	0	14614
1207	467103	2394705	0	0	0	14772
1208	542309	2372967	0	0	0	14638
1209	542506	2378562	0	0	0	14673
1210	469582	2379800	0	0	0	14680
1211	512046	2395139	0	0	0	14775
1212	510696	2358412	0	0	0	14549
1213	441915	1776617	0	0	0	10960
1214	518536	1749273	0	0	0	10791
1215	444903	1762481	0	0	0	10872
1216	517083	1754828	0	0	0	10825
1217	485177	1777794	0	0	0	10967
1218	487494	1730260	0	0	0	10674
1219	441745	1756750	0	0	0	10837
1220	464948	1767487	0	0	0	10903
1221	443512	1762252	0	0	0	10871
1222	464489	1758062	0	0	0	10845
1223	459360	1790536	0	0	0	11045
1224	456601	1737544	0	0	0	10719
1225	460890	2374932	0	0	0	14650
1226	481753	2387201	0	0	0	14726
1227	483082	2382161	0	0	0	14695
1228	461441	2383257	0	0	0	14702
1229	477924	2400589	0	0	0	14809
1230	473741	2371351	0	0	0	14628
1231	462540	2397229	0	0	0	14788
1232	537746	2375486	0	0	0	14654
1233	537942	2381073	0	0	0	14688
1234	465019	2382301	0	0	0	14696
1235	507483	2397771	0	0	0	14791
1236	506133	2360802	0	0	0	14563
1237	435252	1780349	0	0	0	10983
1238	511873	1752990	0	0	0	10814
1239	438240	1766207	0	0	0	10895
1240	510420	1758543	0	0	0	10848
1241	478514	1781627	0	0	0	10990
1242	480831	1733867	0	0	0	10696
1243	435082	1760527	0	0	0	10860
1244	458285	1771198	0	0	0	10926
1245	436849	1765976	0	0	0	10894
1246	457826	1761779	0	0	0	10868
1247	452697	1794382	0	0	0	11069
1248	449937	1741124	0	0	0	10741
1249	449272	2085485	0	0	0	12865
1250	470136	2096400	0	0	0	12932
1251	471464	2092040	0	0	0	12905
1252	449823	2092674	0	0	0	12909
1253	466306	2112134	0	0	0	13029
1254	462123	2078725	0	0	0	12823
1255	450922	2107275	0	0	0	12999
1256	526128	2085451	0	0	0	12865
1257	526325	2090898	0	0	0	12898
1258	453401	2091894	0	0	0	12904
1259	495865	2110062	0	0	0	13017
1260	494515	2068243	0	0	0	12759
1261	451141	2048054	0	0	0	12634
1262	527763	2021158	0	0	0	12468
1263	454129	2034054	0	0	0	12548
1264	526310	2026769	0	0	0	12503

1265	494404	2046563	0	0	0	12625
1266	496721	2005000	0	0	0	12368
1267	450972	2027139	0	0	0	12505
1268	474174	2039428	0	0	0	12581
1269	452739	2033951	0	0	0	12547
1270	473715	2029897	0	0	0	12522
1271	468586	2058837	0	0	0	12701
1272	465827	2012885	0	0	0	12417
1273	444709	2088390	0	0	0	12883
1274	465572	2099230	0	0	0	12950
1275	466900	2094910	0	0	0	12923
1276	445260	2095517	0	0	0	12927
1277	461743	2115090	0	0	0	13048
1278	457560	2081453	0	0	0	12840
1279	446358	2110151	0	0	0	13017
1280	521564	2088326	0	0	0	12882
1281	521761	2093764	0	0	0	12916
1282	448838	2094748	0	0	0	12922
1283	491302	2113058	0	0	0	13035
1284	489951	2070977	0	0	0	12775
1285	444478	2051301	0	0	0	12654
1286	521100	2024385	0	0	0	12488
1287	447466	2037294	0	0	0	12568
1288	519647	2029994	0	0	0	12523
1289	487741	2049901	0	0	0	12645
1290	490058	2008122	0	0	0	12388
1291	444309	2030422	0	0	0	12525
1292	467511	2042655	0	0	0	12601
1293	446076	2037187	0	0	0	12567
1294	467052	2033126	0	0	0	12542
1295	461923	2062193	0	0	0	12721
1296	459164	2015985	0	0	0	12436
1297	453462	2088817	0	0	0	12885
1298	474325	2099650	0	0	0	12952
1299	475654	2095330	0	0	0	12926
1300	454013	2095939	0	0	0	12929
1301	470496	2115520	0	0	0	13050
1302	466313	2081867	0	0	0	12843
1303	455111	2110576	0	0	0	13020
1304	530317	2088749	0	0	0	12885
1305	530514	2094188	0	0	0	12919
1306	457591	2095167	0	0	0	12925
1307	500055	2113490	0	0	0	13038
1308	498704	2071388	0	0	0	12778
1309	454966	2051397	0	0	0	12655
1310	531587	2024480	0	0	0	12489
1311	457953	2037390	0	0	0	12568
1312	530134	2030088	0	0	0	12523
1313	498228	2050006	0	0	0	12646
1314	500545	2008206	0	0	0	12388
1315	454796	2030521	0	0	0	12526
1316	477998	2042752	0	0	0	12601
1317	456563	2037282	0	0	0	12568
1318	477539	2033221	0	0	0	12542
1319	472411	2062301	0	0	0	12722
1320	469651	2016068	0	0	0	12437
1321	448898	2091742	0	0	0	12903
1322	469762	2102501	0	0	0	12970
1323	471090	2098218	0	0	0	12943
1324	449449	2098802	0	0	0	12947
1325	465933	2118495	0	0	0	13069
1326	461749	2084615	0	0	0	12860
1327	450548	2113469	0	0	0	13038
1328	525754	2091641	0	0	0	12903
1329	525951	2097073	0	0	0	12936
1330	453027	2098041	0	0	0	12942
1331	495491	2116505	0	0	0	13056
1332	494141	2074142	0	0	0	12795

1333	448302	2054663	0	0	0	12675
1334	524924	2027726	0	0	0	12509
1335	451290	2040649	0	0	0	12588
1336	523471	2033334	0	0	0	12543
1337	491565	2053364	0	0	0	12667
1338	493882	2011349	0	0	0	12408
1339	448133	2033821	0	0	0	12546
1340	471335	2045998	0	0	0	12621
1341	449900	2040537	0	0	0	12588
1342	470876	2036471	0	0	0	12563
1343	465747	2065675	0	0	0	12743
1344	462988	2019188	0	0	0	12456
1345	491134	3186415	0	0	0	19656
1346	511997	3201419	0	0	0	19749
1347	513326	3194988	0	0	0	19709
1348	491685	3197050	0	0	0	19722
1349	508168	3209734	0	0	0	19800
1350	503985	3189565	0	0	0	19676
1351	492784	3209563	0	0	0	19799
1352	567990	3188196	0	0	0	19667
1353	568186	3194027	0	0	0	19703
1354	495263	3195727	0	0	0	19714
1355	537727	3205373	0	0	0	19773
1356	536377	3178959	0	0	0	19610
1357	499980	3232627	0	0	0	19941
1358	576602	3207372	0	0	0	19786
1359	502968	3219271	0	0	0	19859
1360	575149	3212963	0	0	0	19820
1361	543243	3225276	0	0	0	19896
1362	545560	3197818	0	0	0	19727
1363	499811	3209922	0	0	0	19801
1364	523013	3225321	0	0	0	19896
1365	501578	3219443	0	0	0	19860
1366	522554	3215787	0	0	0	19837
1367	517425	3236201	0	0	0	19963
1368	514666	3206830	0	0	0	19782
1369	486571	3188236	0	0	0	19668
1370	507434	3203191	0	0	0	19760
1371	508762	3196784	0	0	0	19720
1372	487122	3198830	0	0	0	19733
1373	503605	3211598	0	0	0	19812
1374	499421	3191262	0	0	0	19686
1375	488220	3211368	0	0	0	19810
1376	563426	3189994	0	0	0	19678
1377	563623	3195822	0	0	0	19714
1378	490699	3197513	0	0	0	19725
1379	533164	3207263	0	0	0	19785
1380	531813	3180655	0	0	0	19621
1381	493317	3234725	0	0	0	19954
1382	569939	3209446	0	0	0	19798
1383	496305	3221359	0	0	0	19872
1384	568486	3215040	0	0	0	19833
1385	536579	3227436	0	0	0	19909
1386	538897	3199818	0	0	0	19739
1387	493148	3212039	0	0	0	19814
1388	516350	3227402	0	0	0	19909
1389	494915	3221529	0	0	0	19873
1390	515891	3217867	0	0	0	19850
1391	510762	3238377	0	0	0	19977
1392	508003	3208818	0	0	0	19794
1393	495324	3188582	0	0	0	19670
1394	516187	3203534	0	0	0	19762
1395	517515	3197130	0	0	0	19722
1396	495875	3199173	0	0	0	19735
1397	512358	3211948	0	0	0	19814
1398	508174	3191599	0	0	0	19688
1399	496973	3211713	0	0	0	19812
1400	572179	3190337	0	0	0	19680

1401	572376	3196167	0	0	0	19716
1402	499452	3197857	0	0	0	19727
1403	541917	3207615	0	0	0	19787
1404	540566	3180993	0	0	0	19623
1405	503804	3234710	0	0	0	19954
1406	580426	3209430	0	0	0	19798
1407	506792	3221343	0	0	0	19872
1408	578973	3215023	0	0	0	19833
1409	547067	3227426	0	0	0	19909
1410	549384	3199794	0	0	0	19739
1411	503635	3212025	0	0	0	19814
1412	526837	3227389	0	0	0	19909
1413	505402	3221513	0	0	0	19873
1414	526378	3217851	0	0	0	19850
1415	521249	3238369	0	0	0	19977
1416	518490	3208793	0	0	0	19794
1417	490760	3190417	0	0	0	19681
1418	511623	3205321	0	0	0	19773
1419	512952	3198941	0	0	0	19734
1420	491311	3200967	0	0	0	19746
1421	507794	3213827	0	0	0	19825
1422	503611	3193309	0	0	0	19699
1423	492410	3213536	0	0	0	19824
1424	567616	3192149	0	0	0	19692
1425	567813	3197976	0	0	0	19728
1426	494889	3199657	0	0	0	19738
1427	537353	3209520	0	0	0	19799
1428	536003	3182704	0	0	0	19633
1429	497141	3236823	0	0	0	19967
1430	573763	3211519	0	0	0	19811
1431	500129	3223446	0	0	0	19885
1432	572310	3217114	0	0	0	19846
1433	540404	3229601	0	0	0	19923
1434	542721	3201806	0	0	0	19751
1435	496972	3214153	0	0	0	19827
1436	520174	3229485	0	0	0	19922
1437	498739	3223613	0	0	0	19886
1438	519715	3219945	0	0	0	19863
1439	514586	3240559	0	0	0	19990
1440	511827	3210794	0	0	0	19807
1441	472416	2372075	0	0	0	14633
1442	493279	2376690	0	0	0	14661
1443	494607	2375485	0	0	0	14654
1444	472967	2374064	0	0	0	14645
1445	489450	2402027	0	0	0	14818
1446	485266	2351314	0	0	0	14505
1447	474065	2390926	0	0	0	14749
1448	549271	2369503	0	0	0	14617
1449	549468	2374146	0	0	0	14646
1450	476544	2374091	0	0	0	14645
1451	519009	2403134	0	0	0	14824
1452	517658	2341526	0	0	0	14444
1453	477012	2420650	0	0	0	14932
1454	553633	2392984	0	0	0	14762
1455	480000	2406490	0	0	0	14845
1456	552180	2398379	0	0	0	14795
1457	520274	2425815	0	0	0	14964
1458	522591	2369628	0	0	0	14618
1459	476842	2402654	0	0	0	14821
1460	500045	2410856	0	0	0	14872
1461	478609	2406074	0	0	0	14843
1462	499586	2401727	0	0	0	14816
1463	494457	2439064	0	0	0	15046
1464	491698	2375783	0	0	0	14656
1465	467852	2376344	0	0	0	14659
1466	488716	2380898	0	0	0	14687
1467	490044	2379725	0	0	0	14680
1468	468403	2378284	0	0	0	14671

1469	484886	2406320	0	0	0	14844
1470	480703	2355456	0	0	0	14530
1471	469502	2395162	0	0	0	14775
1472	544708	2373749	0	0	0	14643
1473	544905	2378383	0	0	0	14672
1474	471981	2378320	0	0	0	14671
1475	514445	2407458	0	0	0	14851
1476	513095	2345679	0	0	0	14470
1477	470349	2425076	0	0	0	14960
1478	546970	2397411	0	0	0	14789
1479	473337	2410921	0	0	0	14872
1480	545517	2402800	0	0	0	14822
1481	513611	2430308	0	0	0	14992
1482	515928	2373987	0	0	0	14645
1483	470179	2407115	0	0	0	14849
1484	493382	2415273	0	0	0	14899
1485	471946	2410501	0	0	0	14870
1486	492923	2406152	0	0	0	14843
1487	487794	2443564	0	0	0	15074
1488	485034	2380124	0	0	0	14682
1489	479398	2380055	0	0	0	14682
1490	500262	2384563	0	0	0	14710
1491	501590	2383411	0	0	0	14703
1492	479949	2381957	0	0	0	14694
1493	496432	2410049	0	0	0	14867
1494	492249	2359070	0	0	0	14553
1495	481048	2398848	0	0	0	14798
1496	556254	2377442	0	0	0	14666
1497	556451	2382070	0	0	0	14694
1498	483527	2381997	0	0	0	14694
1499	525991	2411208	0	0	0	14874
1500	524641	2349300	0	0	0	14492
1501	483385	2428402	0	0	0	14980
1502	560007	2400734	0	0	0	14810
1503	486373	2414247	0	0	0	14893
1504	558554	2406122	0	0	0	14843
1505	526648	2433690	0	0	0	15013
1506	528965	2377253	0	0	0	14665
1507	483216	2410469	0	0	0	14870
1508	506418	2418591	0	0	0	14920
1509	484983	2413825	0	0	0	14890
1510	505959	2409475	0	0	0	14864
1511	500830	2446952	0	0	0	15095
1512	498071	2383375	0	0	0	14703
1513	474835	2384343	0	0	0	14708
1514	495698	2388792	0	0	0	14736
1515	497027	2387672	0	0	0	14729
1516	475386	2386197	0	0	0	14720
1517	491869	2414364	0	0	0	14894
1518	487686	2363233	0	0	0	14578
1519	476484	2403107	0	0	0	14824
1520	551690	2381709	0	0	0	14692
1521	551887	2386326	0	0	0	14721
1522	478964	2386247	0	0	0	14720
1523	521428	2415553	0	0	0	14901
1524	520077	2353473	0	0	0	14518
1525	476722	2432848	0	0	0	15008
1526	553344	2405181	0	0	0	14837
1527	479710	2418696	0	0	0	14920
1528	551891	2410564	0	0	0	14870
1529	519985	2438203	0	0	0	15041
1530	522302	2381633	0	0	0	14692
1531	476553	2414949	0	0	0	14897
1532	499755	2423030	0	0	0	14947
1533	478320	2418270	0	0	0	14918
1534	499296	2413919	0	0	0	14891
1535	494167	2451471	0	0	0	15123
1536	491408	2387737	0	0	0	14729

1541	435146	4481885	0	0	0	27648
1542	458170	4455061	0	0	0	27482
1543	408328	3949028	0	0	0	24361
1544	430859	3938137	0	0	0	24293
1545	311136	1817473	0	0	0	11212
1546	372340	1795437	0	0	0	11076

Risultati combinazioni maggiormente gravose:

Cmb	N	Mx	My	t.v.	Nu	Mxu	Myu	ϵ cls	ϵ acciaio	Sd/Su	Ver
n.	daN	daN cm	daN cm		daN	daN cm	daN cm	%	%		
56	599943	2047430	0	P	1681062	5736969	0	0.299	0.085	0.360	Ok
8	596395	2050650	0	M	1778232	2046191	0	0.253	0.139	0.340	Ok
1541	435146	4481885	0	N	435146	2.40E+07	0	0.350	0.430	0.190	Ok

Verifiche taglio-torsione

Base Bw = 120.0, altezza H = 90.2, altezza d = 81.2 (per verific. Vx)

Base Bw = 120.0, altezza H = 90.2, altezza d = 81.2 (per verific. Vy)

Staffe = \emptyset 10 / 15.0, bracci: 2 dir. X, 2 dir. Y

Risultati delle verifiche:

Vx, Vy, T, N sollecitazioni (F = daN e M = daN cm)

VRsdx, VRsdy, TRsd, resistenze acciaio

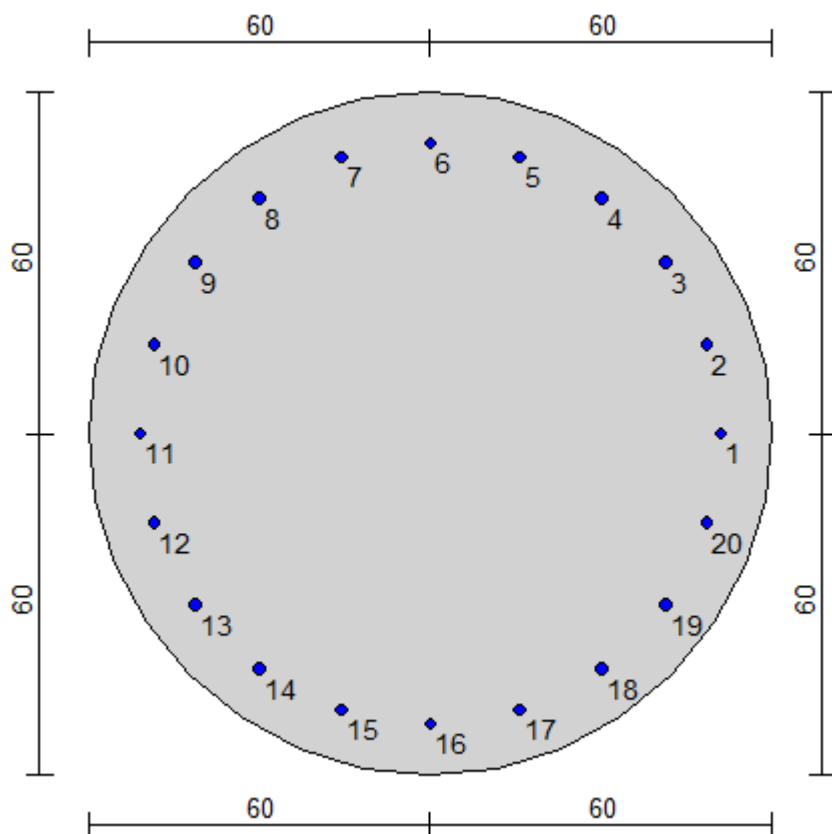
VRcdx, VRcdy, TRcd, resistenze cls

Verifiche cmb. SLU

Risultati combinazioni maggiormente gravose:

Cmb	Vx	Vy	T	N	α c	Ctg θ	Verif Tot	Ver
	VRsdx	VRsdy	TRsd	Vx/VRsdx	Vy/VRsdy	T/TRsd	Verif acc	
	VRcdx	VRcdy	TRcd	Vx/VRcdx	Vy/VRcdy	T/TRcd	Verif cls	
1541 SLU	0	27648	0	0	1.250	2.50	0.3692	Ok
	74889	74889	6474717	0.0000	0.3692	0.0000	0.3692	
	266764	266764	9182402	0.0000	0.1036	0.0000	0.1036	

VERIFICHE SLU-NMIN



Geometria della sezione:

Vertice	X	Y
n.	cm	cm
1	60.0	120.0
2	71.7	118.8
3	83.0	115.4
4	93.3	109.9
5	102.4	102.4
6	109.9	93.3
7	115.4	83.0
8	118.8	71.7
9	120.0	60.0
10	118.8	48.3
11	115.4	37.0
12	109.9	26.7
13	102.4	17.6
14	93.3	10.1
15	83.0	4.6
16	71.7	1.2
17	60.0	0.0
18	48.3	1.2
19	37.0	4.6
20	26.7	10.1
21	17.6	17.6
22	10.1	26.7
23	4.6	37.0
24	1.2	48.3
25	0.0	60.0
26	1.2	71.7
27	4.6	83.0
28	10.1	93.3
29	17.6	102.4
30	26.7	109.9
31	37.0	115.4

32	48.3	118.8
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Armature:

Pos	X	Y	Area	Pretens.
n.	cm	cm	cmq	si / no
1	111.0	60.0	3.14	no
2	108.5	75.8	3.14	no
3	101.3	90.0	3.14	no
4	90.0	101.3	3.14	no
5	75.8	108.5	3.14	no
6	60.0	111.0	3.14	no
7	44.2	108.5	3.14	no
8	30.0	101.3	3.14	no
9	18.7	90.0	3.14	no
10	11.5	75.8	3.14	no
11	9.0	60.0	3.14	no
12	11.5	44.2	3.14	no
13	18.7	30.0	3.14	no
14	30.0	18.7	3.14	no
15	44.2	11.5	3.14	no
16	60.0	9.0	3.14	no
17	75.8	11.5	3.14	no
18	90.0	18.7	3.14	no
19	101.3	30.0	3.14	no
20	108.5	44.2	3.14	no

Normativa di riferimento:

D.M. 17/01/2018 - 'Norme tecniche per le costruzioni'

Note:

Verifiche SLE per ambiente aggressivo

Materiali:

Calcestruzzo classe: C25/30

Rck (resistenza caratteristica cubica a compressione) = 300.00 daN/cm²
 fck (resistenza caratteristica cilindrica a compressione) = 249.00 daN/cm²
 fcd = 141.10 daN/cm² ($\alpha_{cc} = 0.85$; $\gamma_c = 1.50$)
 fctm (resistenza a trazione media) = 25.58 daN/cm²
 G (modulo di elasticità tangenziale) = 140389 daN/cm²
 E (modulo elastico istantaneo iniziale) = 314472 daN/cm²
 C. Poisson (coefficiente di contrazione trasversale) = 0.20
 Coefficiente di dilatazione termica = 0.000050
 Peso specifico del calcestruzzo armato = 2500 daN/mc

Barre d'acciaio ad aderenza migliorata tipo: B450C

f_{yk} (tensione caratteristica di snervamento) = 4500 daN/cm²
 f_{yd} = 3913 daN/cm² ($\gamma_a = 1.15$)
 f_{kt} (tensione caratteristica di rottura) = 5400 daN/cm²
 ϵ_{uk} (deformazione di rottura) = 0.075
 G (modulo di elasticità tangenziale) = 770000 daN/cm²
 E (modulo elastico) = 2000000 daN/cm²
 C. Poisson (coefficiente di contrazione trasversale) = 0.30
 Coefficiente di dilatazione termica = 0.000012
 Peso specifico = 7850 daN/mc

Intersezioni del dominio con gli assi N, Mx e My:

asse N - ($M_x = 0$, $M_y = 0$) $N_u = -245864$ daN
 asse N + ($M_x = 0$, $M_y = 0$) $N_u = 1831466$ daN
 asse M_x + ($N = 0$, $M_y = 0$) $M_{xu} = 11753566$ daN cm
 asse M_x - ($N = 0$, $M_y = 0$) $M_{xu} = -11753566$ daN cm
 asse M_y + ($N = 0$, $M_x = 0$) $M_{yu} = 11753566$ daN cm
 asse M_y - ($N = 0$, $M_x = 0$) $M_{yu} = -11753566$ daN cm

Verifiche stato limite ultimo:

Per ogni combinazione di carico saranno svolte le verifiche:

Verifica per M_{xu} , M_{yu} e N_u proporzionali (sigla t.v.= P)

Verifica con rapporto M_{xu} , M_{yu} assegnato (sigla t.v.= M)

Verifica con N_u costante (sigla t.v.= N)

Verifiche SLU (verifica Ok per $S_d/S_u < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	daN cm	daN cm	daN	daN cm	daN	daN
1	230081	2033555	0	0	0	12545
2	378142	2085677	0	0	0	12866
3	235312	2059869	0	0	0	12707
4	363606	2070475	0	0	0	12772
5	308500	2034415	0	0	0	12550
6	316017	2111359	0	0	0	13025
7	229718	2072970	0	0	0	12788
8	276381	2050650	0	0	0	12650
9	232003	2060642	0	0	0	12712
10	275841	2065995	0	0	0	12745
11	260824	2020574	0	0	0	12464
12	257632	2099948	0	0	0	12954
13	231786	2057612	0	0	0	12693
14	274283	2036926	0	0	0	12565
15	277559	2043876	0	0	0	12608
16	231015	2046540	0	0	0	12625
17	262091	2012384	0	0	0	12414
18	256006	2073355	0	0	0	12790
19	234811	2016877	0	0	0	12442
20	381272	2059032	0	0	0	12702
21	374037	2043419	0	0	0	12605
22	238516	2045724	0	0	0	12620
23	317021	2010249	0	0	0	12401
24	316835	2089338	0	0	0	12889
25	223418	2030463	0	0	0	12525
26	371479	2082543	0	0	0	12847
27	228649	2056767	0	0	0	12688
28	359043	2067338	0	0	0	12753
29	301837	2031499	0	0	0	12532
30	309354	2108044	0	0	0	13004
31	223055	2069939	0	0	0	12769
32	269718	2047514	0	0	0	12631
33	225340	2057540	0	0	0	12693
34	269177	2062872	0	0	0	12725
35	254161	2017705	0	0	0	12447
36	250969	2096602	0	0	0	12933
37	227222	2054844	0	0	0	12676
38	269719	2034006	0	0	0	12547
39	272996	2041038	0	0	0	12591
40	226451	2043657	0	0	0	12607
41	257527	2009730	0	0	0	12398
42	251443	2070265	0	0	0	12771
43	230247	2014053	0	0	0	12424
44	376709	2056196	0	0	0	12684

45	367374	2040580	0	0	0	12588
46	233953	2042860	0	0	0	12602
47	312458	2007658	0	0	0	12385
48	312272	2086257	0	0	0	12870
49	233906	2030384	0	0	0	12525
50	381966	2082459	0	0	0	12846
51	239136	2056687	0	0	0	12687
52	367796	2067256	0	0	0	12752
53	312324	2031435	0	0	0	12531
54	319841	2107944	0	0	0	13003
55	233542	2069865	0	0	0	12769
56	280205	2047430	0	0	0	12630
57	235827	2057460	0	0	0	12692
58	279665	2062790	0	0	0	12725
59	264648	2017645	0	0	0	12446
60	261456	2096496	0	0	0	12933
61	235975	2054430	0	0	0	12673
62	278472	2033583	0	0	0	12545
63	281749	2040619	0	0	0	12588
64	235204	2043233	0	0	0	12604
65	266280	2009322	0	0	0	12395
66	260196	2069827	0	0	0	12768
67	239000	2013637	0	0	0	12422
68	385462	2055776	0	0	0	12682
69	377861	2040161	0	0	0	12585
70	242706	2042437	0	0	0	12599
71	321211	2007256	0	0	0	12382
72	321025	2085820	0	0	0	12867
73	227243	2027312	0	0	0	12506
74	375303	2079345	0	0	0	12827
75	232473	2053605	0	0	0	12668
76	363233	2064140	0	0	0	12733
77	305661	2028539	0	0	0	12514
78	313178	2104649	0	0	0	12983
79	226879	2066854	0	0	0	12750
80	273542	2044310	0	0	0	12611
81	229164	2054378	0	0	0	12673
82	273002	2059687	0	0	0	12706
83	257985	2014797	0	0	0	12429
84	254793	2093169	0	0	0	12912
85	231412	2051682	0	0	0	12656
86	273909	2030683	0	0	0	12527
87	277185	2037801	0	0	0	12571
88	230641	2040369	0	0	0	12587
89	261717	2006689	0	0	0	12379
90	255632	2066757	0	0	0	12749
91	234437	2010834	0	0	0	12404
92	380898	2052958	0	0	0	12664
93	371198	2037341	0	0	0	12568
94	238143	2039593	0	0	0	12582
95	316647	2004686	0	0	0	12366
96	316461	2082759	0	0	0	12848
97	142493	2033877	0	0	0	12547
98	290553	2086004	0	0	0	12868
99	147724	2060195	0	0	0	12709
100	276032	2070805	0	0	0	12774
101	220911	2034719	0	0	0	12552
102	228429	2111708	0	0	0	13027
103	142130	2073286	0	0	0	12790
104	188792	2050978	0	0	0	12652
105	144414	2060968	0	0	0	12714
106	188252	2066322	0	0	0	12747
107	173235	2020874	0	0	0	12466
108	170043	2100300	0	0	0	12956
109	144211	2057910	0	0	0	12695
110	186708	2037239	0	0	0	12567
111	189985	2044178	0	0	0	12610
112	143440	2046851	0	0	0	12627

113	174516	2012668	0	0	0	12416
114	168432	2073687	0	0	0	12792
115	147236	2017180	0	0	0	12444
116	293697	2059336	0	0	0	12704
117	286448	2043725	0	0	0	12607
118	150942	2046030	0	0	0	12622
119	229447	2010526	0	0	0	12402
120	229260	2089666	0	0	0	12891
121	135830	2030784	0	0	0	12527
122	283890	2082867	0	0	0	12849
123	141060	2057091	0	0	0	12690
124	271468	2067666	0	0	0	12755
125	214248	2031801	0	0	0	12534
126	221766	2108389	0	0	0	13006
127	135467	2070252	0	0	0	12771
128	182129	2047838	0	0	0	12633
129	137751	2057861	0	0	0	12694
130	181589	2063198	0	0	0	12727
131	166572	2018001	0	0	0	12449
132	163380	2096952	0	0	0	12936
133	139648	2055139	0	0	0	12678
134	182145	2034318	0	0	0	12549
135	185421	2041339	0	0	0	12593
136	138877	2043965	0	0	0	12609
137	169953	2010011	0	0	0	12399
138	163868	2070595	0	0	0	12773
139	142673	2014355	0	0	0	12426
140	289134	2056497	0	0	0	12686
141	279785	2040884	0	0	0	12590
142	146378	2043165	0	0	0	12604
143	224883	2007933	0	0	0	12387
144	224697	2086586	0	0	0	12872
145	146317	2030705	0	0	0	12527
146	294378	2082785	0	0	0	12848
147	151548	2057011	0	0	0	12689
148	280221	2067581	0	0	0	12754
149	224735	2031738	0	0	0	12533
150	232253	2108288	0	0	0	13006
151	145954	2070180	0	0	0	12770
152	192616	2047755	0	0	0	12632
153	148238	2057781	0	0	0	12694
154	192076	2063116	0	0	0	12727
155	177059	2017944	0	0	0	12448
156	173867	2096847	0	0	0	12935
157	148401	2054724	0	0	0	12675
158	190898	2033892	0	0	0	12547
159	194174	2040921	0	0	0	12590
160	147630	2043542	0	0	0	12606
161	178706	2009604	0	0	0	12397
162	172621	2070157	0	0	0	12770
163	151426	2013936	0	0	0	12424
164	297887	2056078	0	0	0	12683
165	290273	2040463	0	0	0	12587
166	155131	2042744	0	0	0	12601
167	233636	2007531	0	0	0	12384
168	233450	2086150	0	0	0	12869
169	139654	2027630	0	0	0	12508
170	287714	2079668	0	0	0	12829
171	144885	2053928	0	0	0	12670
172	275658	2064462	0	0	0	12735
173	218072	2028841	0	0	0	12515
174	225590	2104990	0	0	0	12985
175	139291	2067167	0	0	0	12752
176	185953	2044636	0	0	0	12613
177	141575	2054696	0	0	0	12675
178	185413	2060008	0	0	0	12708
179	170396	2015093	0	0	0	12431
180	167204	2093515	0	0	0	12914

181	143837	2051974	0	0	0	12658
182	186334	2030991	0	0	0	12529
183	189611	2038103	0	0	0	12573
184	143066	2040676	0	0	0	12588
185	174142	2006970	0	0	0	12381
186	168058	2067085	0	0	0	12751
187	146862	2011132	0	0	0	12406
188	293324	2053257	0	0	0	12666
189	283609	2037643	0	0	0	12570
190	150568	2039897	0	0	0	12584
191	229073	2004959	0	0	0	12368
192	228887	2083085	0	0	0	12850
193	275085	1769308	0	0	0	10914
194	353329	1789781	0	0	0	11041
195	278831	1780486	0	0	0	10983
196	351674	1784645	0	0	0	11009
197	316001	1786450	0	0	0	11020
198	322475	1788065	0	0	0	11030
199	274911	1793254	0	0	0	11062
200	298972	1773754	0	0	0	10942
201	277559	1779855	0	0	0	10980
202	298843	1782553	0	0	0	10996
203	289199	1779036	0	0	0	10974
204	291582	1777873	0	0	0	10967
205	263967	1922203	0	0	0	11858
206	286453	1900695	0	0	0	11725
207	286916	1910501	0	0	0	11785
208	265938	1905937	0	0	0	11757
209	278654	1907314	0	0	0	11766
210	281808	1901378	0	0	0	11729
211	265611	1898312	0	0	0	11710
212	341676	1917161	0	0	0	11827
213	341895	1911053	0	0	0	11789
214	269279	1908166	0	0	0	11771
215	307228	1915868	0	0	0	11819
216	314430	1911558	0	0	0	11792
217	267830	1769400	0	0	0	10915
218	346074	1789802	0	0	0	11041
219	271575	1780544	0	0	0	10984
220	344419	1784674	0	0	0	11009
221	308745	1786644	0	0	0	11021
222	315812	1787938	0	0	0	11029
223	267656	1793343	0	0	0	11063
224	291717	1773808	0	0	0	10942
225	270304	1779908	0	0	0	10980
226	291588	1782592	0	0	0	10996
227	281944	1779274	0	0	0	10976
228	284918	1777735	0	0	0	10966
229	258811	1922594	0	0	0	11860
230	281297	1901024	0	0	0	11727
231	281760	1910864	0	0	0	11788
232	260782	1906273	0	0	0	11759
233	273498	1907805	0	0	0	11769
234	276653	1901569	0	0	0	11730
235	260456	1898709	0	0	0	11713
236	336520	1917518	0	0	0	11829
237	336740	1911410	0	0	0	11791
238	264124	1908511	0	0	0	11773
239	302073	1916397	0	0	0	11822
240	309274	1911738	0	0	0	11793
241	278268	1769610	0	0	0	10916
242	356512	1790005	0	0	0	11042
243	282013	1780751	0	0	0	10985
244	354856	1784879	0	0	0	11011
245	319183	1786863	0	0	0	11023
246	326299	1788129	0	0	0	11031
247	278093	1793553	0	0	0	11064
248	302154	1774012	0	0	0	10943

249	280741	1780115	0	0	0	10981
250	302026	1782798	0	0	0	10998
251	292382	1779496	0	0	0	10977
252	295406	1777926	0	0	0	10968
253	267514	1922428	0	0	0	11859
254	290001	1900852	0	0	0	11726
255	290464	1910695	0	0	0	11787
256	269486	1906102	0	0	0	11758
257	282202	1907649	0	0	0	11768
258	285356	1901385	0	0	0	11729
259	269159	1898543	0	0	0	11712
260	345224	1917348	0	0	0	11828
261	345443	1911240	0	0	0	11790
262	272827	1908341	0	0	0	11772
263	310776	1916242	0	0	0	11821
264	317978	1911553	0	0	0	11792
265	271012	1769730	0	0	0	10917
266	349256	1790054	0	0	0	11042
267	274758	1780837	0	0	0	10986
268	347601	1784936	0	0	0	11011
269	311928	1787085	0	0	0	11024
270	319636	1788030	0	0	0	11030
271	270838	1793672	0	0	0	11065
272	294899	1774094	0	0	0	10944
273	273486	1780196	0	0	0	10982
274	294770	1782865	0	0	0	10998
275	285126	1779762	0	0	0	10979
276	288743	1777816	0	0	0	10967
277	262359	1922844	0	0	0	11862
278	284845	1901207	0	0	0	11728
279	285308	1911084	0	0	0	11789
280	264330	1906467	0	0	0	11761
281	277046	1908166	0	0	0	11771
282	280201	1901604	0	0	0	11731
283	264004	1898966	0	0	0	11714
284	340068	1917732	0	0	0	11830
285	340288	1911624	0	0	0	11792
286	267671	1908713	0	0	0	11774
287	305621	1916799	0	0	0	11824
288	312822	1911759	0	0	0	11793
289	190127	2662919	0	0	0	16427
290	266749	2690541	0	0	0	16597
291	193115	2676962	0	0	0	16514
292	265296	2685299	0	0	0	16565
293	233390	2655542	0	0	0	16381
294	235707	2716717	0	0	0	16759
295	189958	2679647	0	0	0	16530
296	213160	2673054	0	0	0	16489
297	191725	2677500	0	0	0	16517
298	212701	2681904	0	0	0	16544
299	207572	2642123	0	0	0	16299
300	204813	2711546	0	0	0	16727
301	195660	2560589	0	0	0	15796
302	216523	2559181	0	0	0	15787
303	217851	2558726	0	0	0	15784
304	196211	2561162	0	0	0	15799
305	212694	2529709	0	0	0	15605
306	208510	2588376	0	0	0	15967
307	197309	2543504	0	0	0	15690
308	272515	2564290	0	0	0	15819
309	272712	2560138	0	0	0	15793
310	199788	2560718	0	0	0	15797
311	242253	2527346	0	0	0	15591
312	240902	2597452	0	0	0	16023
313	183464	2658086	0	0	0	16397
314	260086	2685713	0	0	0	16568
315	186452	2672135	0	0	0	16484
316	258633	2680467	0	0	0	16535

317	226726	2650766	0	0	0	16352
318	229044	2711836	0	0	0	16729
319	183295	2674847	0	0	0	16501
320	206497	2668216	0	0	0	16460
321	185062	2672667	0	0	0	16487
322	206038	2677073	0	0	0	16514
323	200909	2637353	0	0	0	16269
324	198150	2706651	0	0	0	16697
325	191096	2555795	0	0	0	15766
326	211960	2554336	0	0	0	15757
327	213288	2553906	0	0	0	15754
328	191647	2556326	0	0	0	15769
329	208130	2524927	0	0	0	15576
330	203947	2583482	0	0	0	15937
331	192746	2538676	0	0	0	15661
332	267952	2559477	0	0	0	15789
333	268149	2555316	0	0	0	15763
334	195225	2555889	0	0	0	15767
335	237689	2522591	0	0	0	15561
336	236339	2592570	0	0	0	15993
337	193951	2657822	0	0	0	16396
338	270573	2685449	0	0	0	16566
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341	237214	2650511	0	0	0	16350
342	239531	2711569	0	0	0	16727
343	193782	2674589	0	0	0	16499
344	216984	2667951	0	0	0	16458
345	195549	2672404	0	0	0	16485
346	216525	2676810	0	0	0	16513
347	211396	2637096	0	0	0	16268
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349	199849	2555250	0	0	0	15763
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352	200400	2555779	0	0	0	15766
353	216883	2524385	0	0	0	15572
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356	276705	2558934	0	0	0	15786
357	276902	2554770	0	0	0	15760
358	203978	2555343	0	0	0	15763
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384	240528	2587147	0	0	0	15960

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494	258282	1997302	0	0	0	12321
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757	210139	2362653	0	0	0	14575
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1157	262885	2395011	0	0	0	14774
1158	272540	2366209	0	0	0	14597
1159	221795	2391801	0	0	0	14754
1160	245856	2370070	0	0	0	14620
1161	224444	2375674	0	0	0	14655
1162	245728	2376921	0	0	0	14663
1163	236084	2392120	0	0	0	14756
1164	241876	2355653	0	0	0	14532
1165	244948	1772760	0	0	0	10936
1166	267434	1745434	0	0	0	10767
1167	267897	1758628	0	0	0	10849
1168	246919	1750994	0	0	0	10801
1169	259635	1773830	0	0	0	10942
1170	262790	1726544	0	0	0	10651
1171	246593	1752850	0	0	0	10813
1172	322657	1763653	0	0	0	10880
1173	322877	1758405	0	0	0	10847
1174	250261	1754220	0	0	0	10821
1175	288210	1786552	0	0	0	11021
1176	295411	1733854	0	0	0	10696
1177	214715	2371988	0	0	0	14632
1178	292959	2384326	0	0	0	14708
1179	218460	2379250	0	0	0	14677
1180	291303	2380370	0	0	0	14684
1181	255630	2397590	0	0	0	14790
1182	265285	2368577	0	0	0	14611
1183	214540	2394307	0	0	0	14770
1184	238601	2372571	0	0	0	14636
1185	217188	2378167	0	0	0	14670
1186	238473	2379405	0	0	0	14678
1187	228828	2394734	0	0	0	14773
1188	234621	2358025	0	0	0	14546
1189	239792	1776474	0	0	0	10959
1190	262278	1749130	0	0	0	10790
1191	262741	1762335	0	0	0	10871
1192	241764	1754687	0	0	0	10824
1193	254479	1777641	0	0	0	10966
1194	257634	1730130	0	0	0	10673
1195	241437	1756603	0	0	0	10836
1196	317501	1767344	0	0	0	10902
1197	317721	1762111	0	0	0	10870
1198	245105	1757917	0	0	0	10844
1199	283054	1790379	0	0	0	11044
1200	290255	1737413	0	0	0	10718

1201	225152	2372386	0	0	0	14635
1202	303396	2384720	0	0	0	14711
1203	228898	2379647	0	0	0	14680
1204	301741	2380766	0	0	0	14686
1205	266068	2397993	0	0	0	14793
1206	275723	2368965	0	0	0	14614
1207	224978	2394705	0	0	0	14772
1208	249039	2372967	0	0	0	14638
1209	227626	2378562	0	0	0	14673
1210	248910	2379800	0	0	0	14680
1211	239266	2395139	0	0	0	14775
1212	245059	2358412	0	0	0	14549
1213	248496	1776617	0	0	0	10960
1214	270982	1749273	0	0	0	10791
1215	271445	1762481	0	0	0	10872
1216	250467	1754828	0	0	0	10825
1217	263183	1777794	0	0	0	10967
1218	266337	1730260	0	0	0	10674
1219	250140	1756750	0	0	0	10837
1220	326205	1767487	0	0	0	10903
1221	326424	1762252	0	0	0	10871
1222	253808	1758062	0	0	0	10845
1223	291757	1790536	0	0	0	11045
1224	298959	1737544	0	0	0	10719
1225	217897	2374932	0	0	0	14650
1226	296141	2387201	0	0	0	14726
1227	221642	2382161	0	0	0	14695
1228	294486	2383257	0	0	0	14702
1229	258812	2400589	0	0	0	14809
1230	268467	2371351	0	0	0	14628
1231	217722	2397229	0	0	0	14788
1232	241783	2375486	0	0	0	14654
1233	220371	2381073	0	0	0	14688
1234	241655	2382301	0	0	0	14696
1235	232011	2397771	0	0	0	14791
1236	237803	2360802	0	0	0	14563
1237	243340	1780349	0	0	0	10983
1238	265826	1752990	0	0	0	10814
1239	266289	1766207	0	0	0	10895
1240	245311	1758543	0	0	0	10848
1241	258027	1781627	0	0	0	10990
1242	261182	1733867	0	0	0	10696
1243	244985	1760527	0	0	0	10860
1244	321049	1771198	0	0	0	10926
1245	321269	1765976	0	0	0	10894
1246	248653	1761779	0	0	0	10868
1247	286602	1794382	0	0	0	11069
1248	293803	1741124	0	0	0	10741
1249	233932	2085485	0	0	0	12865
1250	312176	2096400	0	0	0	12932
1251	237678	2092040	0	0	0	12905
1252	310521	2092674	0	0	0	12909
1253	274848	2112134	0	0	0	13029
1254	284503	2078725	0	0	0	12823
1255	233758	2107275	0	0	0	12999
1256	257819	2085451	0	0	0	12865
1257	236406	2090898	0	0	0	12898
1258	257690	2091894	0	0	0	12904
1259	248046	2110062	0	0	0	13017
1260	253839	2068243	0	0	0	12759
1261	231868	2048054	0	0	0	12634
1262	254354	2021158	0	0	0	12468
1263	254817	2034054	0	0	0	12548
1264	233840	2026769	0	0	0	12503
1265	246556	2046563	0	0	0	12625
1266	249710	2005000	0	0	0	12368
1267	233513	2027139	0	0	0	12505
1268	309577	2039428	0	0	0	12581

1269	309797	2033951	0	0	0	12547
1270	237181	2029897	0	0	0	12522
1271	275130	2058837	0	0	0	12701
1272	282332	2012885	0	0	0	12417
1273	226677	2088390	0	0	0	12883
1274	304921	2099230	0	0	0	12950
1275	230422	2094910	0	0	0	12923
1276	303266	2095517	0	0	0	12927
1277	267592	2115090	0	0	0	13048
1278	277247	2081453	0	0	0	12840
1279	226503	2110151	0	0	0	13017
1280	250564	2088326	0	0	0	12882
1281	229151	2093764	0	0	0	12916
1282	250435	2094748	0	0	0	12922
1283	240791	2113058	0	0	0	13035
1284	246583	2070977	0	0	0	12775
1285	226712	2051301	0	0	0	12654
1286	249199	2024385	0	0	0	12488
1287	249662	2037294	0	0	0	12568
1288	228684	2029994	0	0	0	12523
1289	241400	2049901	0	0	0	12645
1290	244554	2008122	0	0	0	12388
1291	228357	2030422	0	0	0	12525
1292	304422	2042655	0	0	0	12601
1293	304641	2037187	0	0	0	12567
1294	232025	2033126	0	0	0	12542
1295	269974	2062193	0	0	0	12721
1296	277176	2015985	0	0	0	12436
1297	237115	2088817	0	0	0	12885
1298	315359	2099650	0	0	0	12952
1299	240860	2095330	0	0	0	12926
1300	313703	2095939	0	0	0	12929
1301	278030	2115520	0	0	0	13050
1302	287685	2081867	0	0	0	12843
1303	236940	2110576	0	0	0	13020
1304	261001	2088749	0	0	0	12885
1305	239588	2094188	0	0	0	12919
1306	260873	2095167	0	0	0	12925
1307	251229	2113490	0	0	0	13038
1308	257021	2071388	0	0	0	12778
1309	235416	2051397	0	0	0	12655
1310	257902	2024480	0	0	0	12489
1311	258365	2037390	0	0	0	12568
1312	237387	2030088	0	0	0	12523
1313	250103	2050006	0	0	0	12646
1314	253258	2008206	0	0	0	12388
1315	237061	2030521	0	0	0	12526
1316	313125	2042752	0	0	0	12601
1317	313345	2037282	0	0	0	12568
1318	240729	2033221	0	0	0	12542
1319	278678	2062301	0	0	0	12722
1320	285879	2016068	0	0	0	12437
1321	229859	2091742	0	0	0	12903
1322	308103	2102501	0	0	0	12970
1323	233605	2098218	0	0	0	12943
1324	306448	2098802	0	0	0	12947
1325	270775	2118495	0	0	0	13069
1326	280430	2084615	0	0	0	12860
1327	229685	2113469	0	0	0	13038
1328	253746	2091641	0	0	0	12903
1329	232333	2097073	0	0	0	12936
1330	253617	2098041	0	0	0	12942
1331	243973	2116505	0	0	0	13056
1332	249766	2074142	0	0	0	12795
1333	230260	2054663	0	0	0	12675
1334	252746	2027726	0	0	0	12509
1335	253210	2040649	0	0	0	12588
1336	232232	2033334	0	0	0	12543

1337	244948	2053364	0	0	0	12667
1338	248102	2011349	0	0	0	12408
1339	231905	2033821	0	0	0	12546
1340	307970	2045998	0	0	0	12621
1341	308189	2040537	0	0	0	12588
1342	235573	2036471	0	0	0	12563
1343	273522	2065675	0	0	0	12743
1344	280724	2019188	0	0	0	12456
1345	192121	3186415	0	0	0	19656
1346	270365	3201419	0	0	0	19749
1347	195866	3194988	0	0	0	19709
1348	268710	3197050	0	0	0	19722
1349	233036	3209734	0	0	0	19800
1350	242691	3189565	0	0	0	19676
1351	191946	3209563	0	0	0	19799
1352	216007	3188196	0	0	0	19667
1353	194595	3194027	0	0	0	19703
1354	215879	3195727	0	0	0	19714
1355	206235	3205373	0	0	0	19773
1356	212027	3178959	0	0	0	19610
1357	182949	3232627	0	0	0	19941
1358	205436	3207372	0	0	0	19786
1359	205899	3219271	0	0	0	19859
1360	184921	3212963	0	0	0	19820
1361	197637	3225276	0	0	0	19896
1362	200791	3197818	0	0	0	19727
1363	184594	3209922	0	0	0	19801
1364	260659	3225321	0	0	0	19896
1365	260878	3219443	0	0	0	19860
1366	188262	3215787	0	0	0	19837
1367	226211	3236201	0	0	0	19963
1368	233413	3206830	0	0	0	19782
1369	184865	3188236	0	0	0	19668
1370	263110	3203191	0	0	0	19760
1371	188611	3196784	0	0	0	19720
1372	261454	3198830	0	0	0	19733
1373	225781	3211598	0	0	0	19812
1374	235436	3191262	0	0	0	19686
1375	184691	3211368	0	0	0	19810
1376	208752	3189994	0	0	0	19678
1377	187339	3195822	0	0	0	19714
1378	208623	3197513	0	0	0	19725
1379	198979	3207263	0	0	0	19785
1380	204772	3180655	0	0	0	19621
1381	177794	3234725	0	0	0	19954
1382	200280	3209446	0	0	0	19798
1383	200743	3221359	0	0	0	19872
1384	179765	3215040	0	0	0	19833
1385	192481	3227436	0	0	0	19909
1386	195636	3199818	0	0	0	19739
1387	179439	3212039	0	0	0	19814
1388	255503	3227402	0	0	0	19909
1389	255723	3221529	0	0	0	19873
1390	183106	3217867	0	0	0	19850
1391	221056	3238377	0	0	0	19977
1392	228257	3208818	0	0	0	19794
1393	195303	3188582	0	0	0	19670
1394	273547	3203534	0	0	0	19762
1395	199049	3197130	0	0	0	19722
1396	271892	3199173	0	0	0	19735
1397	236219	3211948	0	0	0	19814
1398	245874	3191599	0	0	0	19688
1399	195129	3211713	0	0	0	19812
1400	219190	3190337	0	0	0	19680
1401	197777	3196167	0	0	0	19716
1402	219061	3197857	0	0	0	19727
1403	209417	3207615	0	0	0	19787
1404	215210	3180993	0	0	0	19623

1405	186497	3234710	0	0	0	19954
1406	208983	3209430	0	0	0	19798
1407	209447	3221343	0	0	0	19872
1408	188469	3215023	0	0	0	19833
1409	201185	3227426	0	0	0	19909
1410	204339	3199794	0	0	0	19739
1411	188142	3212025	0	0	0	19814
1412	264207	3227389	0	0	0	19909
1413	264426	3221513	0	0	0	19873
1414	191810	3217851	0	0	0	19850
1415	229759	3238369	0	0	0	19977
1416	236961	3208793	0	0	0	19794
1417	188048	3190417	0	0	0	19681
1418	266292	3205321	0	0	0	19773
1419	191793	3198941	0	0	0	19734
1420	264636	3200967	0	0	0	19746
1421	228963	3213827	0	0	0	19825
1422	238618	3193309	0	0	0	19699
1423	187873	3213536	0	0	0	19824
1424	211934	3192149	0	0	0	19692
1425	190522	3197976	0	0	0	19728
1426	211806	3199657	0	0	0	19738
1427	202162	3209520	0	0	0	19799
1428	207954	3182704	0	0	0	19633
1429	181341	3236823	0	0	0	19967
1430	203828	3211519	0	0	0	19811
1431	204291	3223446	0	0	0	19885
1432	183313	3217114	0	0	0	19846
1433	196029	3229601	0	0	0	19923
1434	199183	3201806	0	0	0	19751
1435	182986	3214153	0	0	0	19827
1436	259051	3229485	0	0	0	19922
1437	259270	3223613	0	0	0	19886
1438	186654	3219945	0	0	0	19863
1439	224603	3240559	0	0	0	19990
1440	231805	3210794	0	0	0	19807
1441	208362	2372075	0	0	0	14633
1442	286606	2376690	0	0	0	14661
1443	212108	2375485	0	0	0	14654
1444	284951	2374064	0	0	0	14645
1445	249278	2402027	0	0	0	14818
1446	258933	2351314	0	0	0	14505
1447	208188	2390926	0	0	0	14749
1448	232249	2369503	0	0	0	14617
1449	210836	2374146	0	0	0	14646
1450	232120	2374091	0	0	0	14645
1451	222476	2403134	0	0	0	14824
1452	228269	2341526	0	0	0	14444
1453	203571	2420650	0	0	0	14932
1454	226057	2392984	0	0	0	14762
1455	226520	2406490	0	0	0	14845
1456	205542	2398379	0	0	0	14795
1457	218258	2425815	0	0	0	14964
1458	221413	2369628	0	0	0	14618
1459	205216	2402654	0	0	0	14821
1460	281280	2410856	0	0	0	14872
1461	281500	2406074	0	0	0	14843
1462	208884	2401727	0	0	0	14816
1463	246833	2439064	0	0	0	15046
1464	254034	2375783	0	0	0	14656
1465	201107	2376344	0	0	0	14659
1466	279351	2380898	0	0	0	14687
1467	204852	2379725	0	0	0	14680
1468	277696	2378284	0	0	0	14671
1469	242022	2406320	0	0	0	14844
1470	251677	2355456	0	0	0	14530
1471	200933	2395162	0	0	0	14775
1472	224994	2373749	0	0	0	14643

1473	203581	2378383	0	0	0	14672
1474	224865	2378320	0	0	0	14671
1475	215221	2407458	0	0	0	14851
1476	221013	2345679	0	0	0	14470
1477	198415	2425076	0	0	0	14960
1478	220901	2397411	0	0	0	14789
1479	221365	2410921	0	0	0	14872
1480	200387	2402800	0	0	0	14822
1481	213103	2430308	0	0	0	14992
1482	216257	2373987	0	0	0	14645
1483	200060	2407115	0	0	0	14849
1484	276125	2415273	0	0	0	14899
1485	276344	2410501	0	0	0	14870
1486	203728	2406152	0	0	0	14843
1487	241677	2443564	0	0	0	15074
1488	248879	2380124	0	0	0	14682
1489	213666	2380055	0	0	0	14682
1490	291910	2384563	0	0	0	14710
1491	217412	2383411	0	0	0	14703
1492	290255	2381957	0	0	0	14694
1493	254582	2410049	0	0	0	14867
1494	264237	2359070	0	0	0	14553
1495	213492	2398848	0	0	0	14798
1496	237553	2377442	0	0	0	14666
1497	216140	2382070	0	0	0	14694
1498	237424	2381997	0	0	0	14694
1499	227780	2411208	0	0	0	14874
1500	233573	2349300	0	0	0	14492
1501	209484	2428402	0	0	0	14980
1502	231970	2400734	0	0	0	14810
1503	232433	2414247	0	0	0	14893
1504	211455	2406122	0	0	0	14843
1505	224171	2433690	0	0	0	15013
1506	227326	2377253	0	0	0	14665
1507	211129	2410469	0	0	0	14870
1508	287193	2418591	0	0	0	14920
1509	287413	2413825	0	0	0	14890
1510	214797	2409475	0	0	0	14864
1511	252746	2446952	0	0	0	15095
1512	259947	2383375	0	0	0	14703
1513	206411	2384343	0	0	0	14708
1514	284655	2388792	0	0	0	14736
1515	210156	2387672	0	0	0	14729
1516	283000	2386197	0	0	0	14720
1517	247326	2414364	0	0	0	14894
1518	256981	2363233	0	0	0	14578
1519	206236	2403107	0	0	0	14824
1520	230297	2381709	0	0	0	14692
1521	208885	2386326	0	0	0	14721
1522	230169	2386247	0	0	0	14720
1523	220525	2415553	0	0	0	14901
1524	226317	2353473	0	0	0	14518
1525	204328	2432848	0	0	0	15008
1526	226814	2405181	0	0	0	14837
1527	227278	2418696	0	0	0	14920
1528	206300	2410564	0	0	0	14870
1529	219016	2438203	0	0	0	15041
1530	222170	2381633	0	0	0	14692
1531	205973	2414949	0	0	0	14897
1532	282038	2423030	0	0	0	14947
1533	282257	2418270	0	0	0	14918
1534	209641	2413919	0	0	0	14891
1535	247590	2451471	0	0	0	15123
1536	254792	2387737	0	0	0	14729
1541	53127	4481885	0	0	0	27648
1542	79726	4455061	0	0	0	27482
1543	80438	3949028	0	0	0	24361
1544	106544	3938137	0	0	0	24293

1545	138958	1817473	0	0	0	11212
1546	203736	1795437	0	0	0	11076

Risultati combinazioni maggiormente gravose:

Cmb	N	Mx	My	t.v.	Nu	Mxu	Myu	ε cls	ε acciaio	Sd/Su	Ver
n.	daN	daN cm	daN cm		daN	daN cm	daN cm	%	%		
2	378142	2085677	0	P	1599810	8823896	0	0.327	0.053	0.240	Ok
68	385462	2055776	0	M	1778097	2051316	0	0.253	0.139	0.220	Ok
1541	53127	4481885	0	N	53125	1.38E+07	0	0.350	1.212	0.320	Ok

Verifiche taglio-torsione

Base Bw = 120.0, altezza H = 90.2, altezza d = 81.2 (per verif. Vx)

Base Bw = 120.0, altezza H = 90.2, altezza d = 81.2 (per verif. Vy)

Staffe = Ø 10 / 15.0, bracci: 2 dir. X, 2 dir. Y

Risultati delle verifiche:

Vx, Vy, T, N sollecitazioni (F = daN e M = daN cm)

VRsdx, VRsdy, TRsd, resistenze acciaio

VRcdx, VRcdy, TRcd, resistenze cls

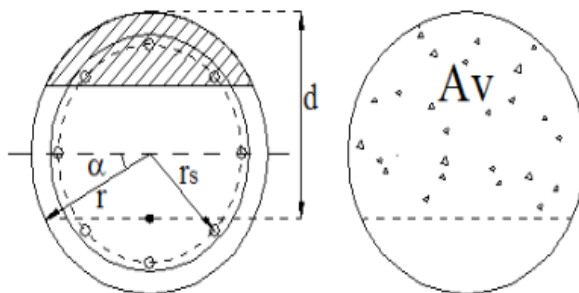
Verifiche cmb. SLU

Risultati combinazioni maggiormente gravose:

Cmb	Vx	Vy	T	N	α c	Ctg θ	Verif Tot	Ver
	VRsdx	VRsdy	TRsd	Vx/VRsdx	Vy/VRsdy	T/TRsd	Verif acc	
	VRcdx	VRcdy	TRcd	Vx/VRcdx	Vy/VRcdy	T/TRcd	Verif cls	
1541 SLU	0	27648	0	0	1.034	2.50	0.3692	Ok
	74889	74889	6474717	0.0000	0.3692	0.0000	0.3692	
	220562	220562	9182402	0.0000	0.1254	0.0000	0.1254	

14.4.3. VERIFICA A TAGLIO

Per la verifica a taglio di una sezione circolare si utilizza il metodo proposto da Clarke – Birjandi (1993).



Quindi ponendo:

d = distanza dal bordo compresso al baricentro dell'armatura longitudinale tesa;

$$\sin(\alpha) = 2r_s/\pi r \text{ con } (0 < \alpha < \pi/2)$$

$$A_v = r^2[\pi/2 + \alpha + \cos(\alpha)\sin(\alpha)]$$

$$d = r[1 + \sin(\alpha)]$$

$$b_w = A_v/d$$

Metodo di Clarke - Birjandi 1993		
ϕ	1.2	m
r_s	0.515	m
c	0.075	m
d_{barre}	0.02	m
$sen\alpha$	0.546	
$cos\alpha$	0.838	
α	33.123	°
A_v	0.938	m ²
d	0.928	m
b_w	1.011	m

Si esegue la verifica considerando il valore massimo dello sforzo di taglio che risulta pari a:

$$T_{max} = 276 \text{ kN/palo.}$$

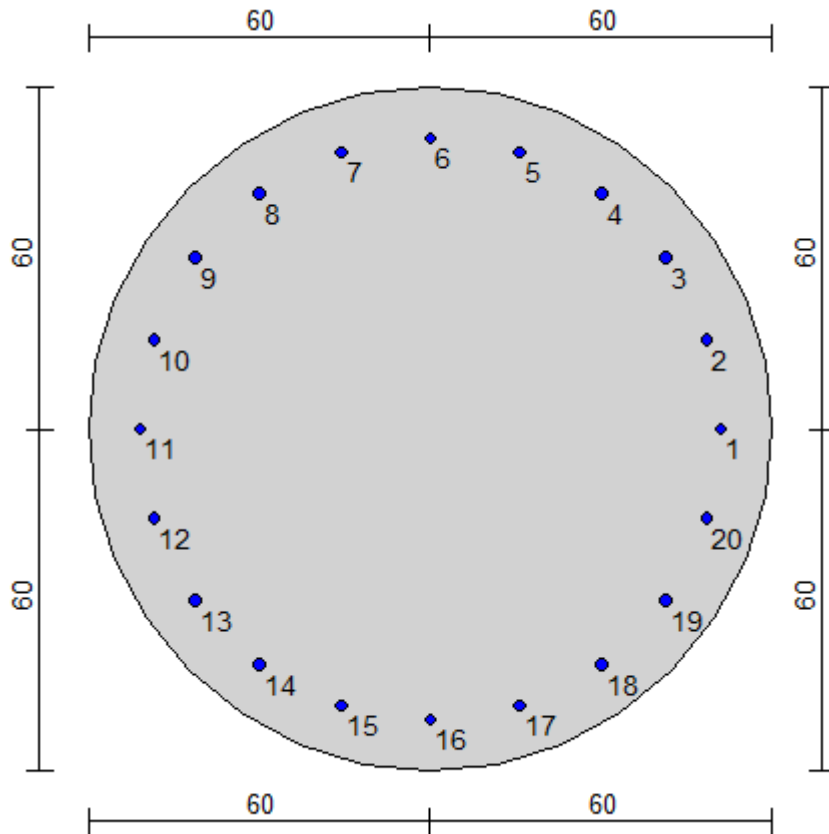
VERIFICA SLU A TAGLIO PER ELEMENTI CON ARMATURA A TAGLIO					
Calcolo del taglio resistente					
classe cls		Rck		30.00	N/mm ²
resist. caratteristica cilindrica		fck		24.90	N/mm ²
coeff riduttivo per carichi lunga durata		α, cc		0.85	
coeff. parziale		γ_c		1.50	
resist. di calcolo a compressione		fcd		14.11	N/mm ²
resist. media trazione cls (trazione semplice)		fctm		2.56	N/mm ²
resist. media trazione cls (flessione)		fcfm		3.07	N/mm ²
resist. caratteristica a trazione cls (flessione)		fcfk		2.15	N/mm ²
resist. caratt. snerv. acciaio		fyk		450	N/mm ²
coeff. parziale		γ_s		1.15	
resistenza di progetto		fyd		391.30	N/mm ²
altezza membratura resistente a V		D		1.20	m
altezza utile sezione		d		0.93	m
larghezza membratura resist. a V		b _w		1.01	m
diametro staffe 1		D _s (1)		10	mm
n bracci staffe 1		n _b (1)		2	
interasse staffe 1		s (1)		16	cm
diametro staffe 2		D _s (2)		0	mm
n bracci staffe 2		n _b (2)		0	
interasse staffe 2		s (2)		4	cm
area staffe 1		A _{sw} (1)		157	mm ²
area staffe 2		A _{sw} (2)		0	mm ²
inclinazione staffe rispetto asse		α		90	°
inclinazione bielle compresse cls		θ		22	°
coefficiente maggiorativo per compressione		α, c		1	
Resistenza taglio acciaio		V_{rsd}		794	kN
Resistenza taglio cls		V_{rzd}		2067	kN
Resistenza a taglio		V_{rd}		794	kN
TAGLIO AGENTE		V_{sdu}		276	kN
				ok	
				F.S. =	2.88

Si utilizza un'armatura composta da spirale $\Phi 10/16$.

Per maggiori dettagli si rimanda alle tavole di progetto.

14.4.4. VERIFICHE SLE

VERIFICHE SLE-NMAX



Geometria della sezione:

Vertice	X	Y
n.	cm	cm
1	60.0	120.0
2	71.7	118.8
3	83.0	115.4
4	93.3	109.9
5	102.4	102.4
6	109.9	93.3
7	115.4	83.0
8	118.8	71.7
9	120.0	60.0
10	118.8	48.3
11	115.4	37.0
12	109.9	26.7
13	102.4	17.6
14	93.3	10.1
15	83.0	4.6
16	71.7	1.2
17	60.0	0.0
18	48.3	1.2
19	37.0	4.6
20	26.7	10.1
21	17.6	17.6
22	10.1	26.7

23	4.6	37.0
24	1.2	48.3
25	0.0	60.0
26	1.2	71.7
27	4.6	83.0
28	10.1	93.3
29	17.6	102.4
30	26.7	109.9
31	37.0	115.4
32	48.3	118.8

Armature:

Pos	X	Y	Area	Pretens.
n.	cm	cm	cmq	si / no
1	111.0	60.0	3.14	no
2	108.5	75.8	3.14	no
3	101.3	90.0	3.14	no
4	90.0	101.3	3.14	no
5	75.8	108.5	3.14	no
6	60.0	111.0	3.14	no
7	44.2	108.5	3.14	no
8	30.0	101.3	3.14	no
9	18.7	90.0	3.14	no
10	11.5	75.8	3.14	no
11	9.0	60.0	3.14	no
12	11.5	44.2	3.14	no
13	18.7	30.0	3.14	no
14	30.0	18.7	3.14	no
15	44.2	11.5	3.14	no
16	60.0	9.0	3.14	no
17	75.8	11.5	3.14	no
18	90.0	18.7	3.14	no
19	101.3	30.0	3.14	no
20	108.5	44.2	3.14	no

Normativa di riferimento:

D.M. 17/01/2018 - 'Norme tecniche per le costruzioni'

Note:

Verifiche SLE per ambiente aggressivo

Materiali:

Calcestruzzo classe: C25/30

Rck (resistenza caratteristica cubica a compressione) = 300.00 daN/cm²

fck (resistenza caratteristica cilindrica a compressione) = 249.00 daN/cm²

fcd = 141.10 daN/cm² ($\alpha_{cc} = 0.85$; $\gamma_c = 1.50$)

fctm (resistenza a trazione media) = 25.58 daN/cm²

G (modulo di elasticità tangenziale) = 140389 daN/cm²

E (modulo elastico istantaneo iniziale) = 314472 daN/cm²

C. Poisson (coefficiente di contrazione trasversale) = 0.20

Coefficiente di dilatazione termica = 0.000050

Peso specifico del calcestruzzo armato = 2500 daN/mc

Barre d'acciaio ad aderenza migliorata tipo: B450C

f_{yk} (tensione caratteristica di snervamento) = 4500 daN/cm²

f_{yd} = 3913 daN/cm² ($\gamma_a = 1.15$)

f_{kt} (tensione caratteristica di rottura) = 5400 daN/cm²

ϵ_{uk} (deformazione di rottura) = 0.075

G (modulo di elasticità tangenziale) = 770000 daN/cm²

E (modulo elastico) = 2000000 daN/cm²

C. Poisson (coefficiente di contrazione trasversale) = 0.30

Coefficiente di dilatazione termica = 0.000012

Peso specifico = 7850 daN/mc

Intersezioni del dominio con gli assi N, Mx e My:

asse N - (Mx = 0, My = 0) Nu = -245864 daN

asse N + (Mx = 0, My = 0) Nu = 1831466 daN

asse Mx + (N = 0, My = 0) Mxu = 11753566 daN cm

asse Mx - (N = 0, My = 0) Mxu = -11753566 daN cm

asse My + (N = 0, Mx = 0) Myu = 11753566 daN cm

asse My - (N = 0, Mx = 0) Myu = -11753566 daN cm

Verifiche stato limite di esercizio per c. c. rare:

Valori limite (tensioni: segno (+) = compressione, (-) = trazione):

CLS: $\sigma_{cL} = 149$ daN/cm² (verifica Ok per $\sigma_c/\sigma_{cL} < 1$)

Acciaio: $\sigma_{aL} = 3600$ daN/cm² (verifica Ok per $\sigma_a/\sigma_{aL} < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	daN cm	daN cm	daN	daN cm	daN	daN
1547	1352444	0	322600	0	0	8343
1548	1391038	0	356462	0	0	8581
1549	1371932	0	357483	0	0	8463
1550	1379776	0	342441	0	0	8512
1551	1353235	0	341707	0	0	8348
1552	1410085	0	347274	0	0	8699
1553	1381678	0	324825	0	0	8523
1554	1365091	0	434716	0	0	8421
1555	1372504	0	434229	0	0	8467
1556	1376461	0	329151	0	0	8491
1557	1343046	0	381119	0	0	8285
1558	1401656	0	392616	0	0	8647
1559	1371751	0	321434	0	0	8462
1560	1356363	0	433492	0	0	8367
1561	1361534	0	326286	0	0	8399
1562	1363492	0	430705	0	0	8411
1563	1338360	0	376181	0	0	8256
1564	1383399	0	391823	0	0	8534
1565	1341542	0	321150	0	0	8276
1566	1372761	0	357116	0	0	8468
1567	1361196	0	339410	0	0	8397
1568	1362892	0	356895	0	0	8407
1569	1336865	0	339588	0	0	8247
1570	1395233	0	348859	0	0	8607
1571	1349879	0	318303	0	0	8327
1572	1388431	0	352166	0	0	8565
1573	1369359	0	353186	0	0	8447
1574	1377170	0	336394	0	0	8495
1575	1350834	0	337411	0	0	8333
1576	1407314	0	342977	0	0	8681
1577	1379170	0	320529	0	0	8508
1578	1362482	0	430420	0	0	8405
1579	1369929	0	429933	0	0	8451
1580	1373869	0	324855	0	0	8475
1581	1340688	0	376823	0	0	8270
1582	1398853	0	388319	0	0	8629
1583	1369461	0	315388	0	0	8448

1584	1353934	0	427446	0	0	8352
1585	1359180	0	320240	0	0	8384
1586	1361095	0	424659	0	0	8396
1587	1336177	0	370135	0	0	8243
1588	1380814	0	385777	0	0	8518
1589	1339203	0	315104	0	0	8261
1590	1370409	0	351070	0	0	8454
1591	1358841	0	335113	0	0	8382
1592	1360512	0	350849	0	0	8393
1593	1334744	0	333542	0	0	8234
1594	1392653	0	342813	0	0	8591
1595	1350337	0	324965	0	0	8330
1596	1388897	0	358828	0	0	8568
1597	1369818	0	359848	0	0	8450
1598	1377634	0	344562	0	0	8498
1599	1351273	0	344072	0	0	8336
1600	1407799	0	349639	0	0	8684
1601	1379621	0	327190	0	0	8511
1602	1362949	0	437081	0	0	8408
1603	1370388	0	436595	0	0	8454
1604	1374330	0	331516	0	0	8478
1605	1341124	0	383484	0	0	8273
1606	1399343	0	394981	0	0	8632
1607	1369643	0	323556	0	0	8449
1608	1354135	0	435614	0	0	8353
1609	1359372	0	328407	0	0	8386
1610	1361293	0	432826	0	0	8398
1611	1336343	0	378303	0	0	8244
1612	1381036	0	393945	0	0	8519
1613	1339391	0	323272	0	0	8262
1614	1370597	0	359237	0	0	8455
1615	1359030	0	341775	0	0	8384
1616	1360708	0	359017	0	0	8394
1617	1334900	0	341709	0	0	8235
1618	1392876	0	350980	0	0	8592
1619	1347790	0	320668	0	0	8314
1620	1386309	0	354531	0	0	8552
1621	1367260	0	355552	0	0	8434
1622	1375044	0	338516	0	0	8482
1623	1348889	0	339776	0	0	8321
1624	1405043	0	345343	0	0	8667
1625	1377130	0	322894	0	0	8495
1626	1360355	0	432785	0	0	8392
1627	1367831	0	432298	0	0	8438
1628	1371754	0	327220	0	0	8462
1629	1338782	0	379188	0	0	8259
1630	1396557	0	390685	0	0	8615
1631	1367369	0	317509	0	0	8435
1632	1351723	0	429568	0	0	8338
1633	1357035	0	322361	0	0	8371
1634	1358913	0	426780	0	0	8383
1635	1334178	0	372257	0	0	8230
1636	1378464	0	387899	0	0	8503
1637	1337068	0	317225	0	0	8248
1638	1368260	0	353191	0	0	8440
1639	1356693	0	337479	0	0	8369
1640	1358345	0	352971	0	0	8379
1641	1332793	0	335663	0	0	8222
1642	1390314	0	344934	0	0	8577
1643	1177980	0	301477	0	0	7267
1644	1192264	0	316932	0	0	7355
1645	1185840	0	317915	0	0	7315
1646	1188569	0	301885	0	0	7332
1647	1191908	0	314095	0	0	7353
1648	1189281	0	310996	0	0	7336
1649	1195680	0	302699	0	0	7376
1650	1180812	0	358407	0	0	7284
1651	1185312	0	358553	0	0	7312

1652	1187146	0	304536	0	0	7323
1653	1186975	0	335991	0	0	7322
1654	1181618	0	334990	0	0	7289
1655	1292420	0	309096	0	0	7973
1656	1275780	0	365853	0	0	7870
1657	1283427	0	311309	0	0	7917
1658	1279744	0	364776	0	0	7894
1659	1282614	0	341142	0	0	7912
1660	1274686	0	342859	0	0	7863
1661	1274818	0	308971	0	0	7864
1662	1288289	0	326158	0	0	7947
1663	1283777	0	310279	0	0	7919
1664	1281500	0	325818	0	0	7905
1665	1289405	0	322018	0	0	7954
1666	1282095	0	319974	0	0	7909
1667	1178415	0	297674	0	0	7269
1668	1192626	0	313129	0	0	7357
1669	1186242	0	314113	0	0	7318
1670	1188943	0	298083	0	0	7334
1671	1192431	0	310292	0	0	7356
1672	1189508	0	307193	0	0	7338
1673	1196111	0	298896	0	0	7379
1674	1181212	0	354604	0	0	7287
1675	1185710	0	354750	0	0	7314
1676	1187530	0	300733	0	0	7326
1677	1187540	0	332188	0	0	7326
1678	1181836	0	331187	0	0	7290
1679	1293070	0	303544	0	0	7977
1680	1276377	0	360300	0	0	7874
1681	1284055	0	305757	0	0	7921
1682	1280347	0	359224	0	0	7898
1683	1283357	0	335590	0	0	7917
1684	1275156	0	337306	0	0	7866
1685	1275477	0	303418	0	0	7868
1686	1288909	0	320605	0	0	7951
1687	1284398	0	304727	0	0	7923
1688	1282111	0	320265	0	0	7909
1689	1290183	0	316466	0	0	7959
1690	1282553	0	314422	0	0	7912
1691	1178488	0	304270	0	0	7270
1692	1192711	0	319725	0	0	7358
1693	1186322	0	320709	0	0	7318
1694	1189024	0	304678	0	0	7335
1695	1192495	0	316888	0	0	7356
1696	1189611	0	313789	0	0	7338
1697	1196184	0	305492	0	0	7379
1698	1181290	0	361200	0	0	7287
1699	1185788	0	361346	0	0	7315
1700	1187610	0	307329	0	0	7326
1701	1187598	0	338784	0	0	7326
1702	1181941	0	337783	0	0	7291
1703	1292848	0	311646	0	0	7975
1704	1276164	0	368402	0	0	7872
1705	1283836	0	313859	0	0	7920
1706	1280130	0	367326	0	0	7897
1707	1283125	0	343692	0	0	7915
1708	1274960	0	345408	0	0	7865
1709	1275256	0	311520	0	0	7867
1710	1288693	0	328707	0	0	7950
1711	1284182	0	312829	0	0	7922
1712	1281896	0	328367	0	0	7908
1713	1289945	0	324568	0	0	7957
1714	1282359	0	322524	0	0	7911
1715	1178947	0	300467	0	0	7273
1716	1193100	0	315922	0	0	7360
1717	1186745	0	316906	0	0	7321
1718	1189422	0	300876	0	0	7337
1719	1193044	0	313085	0	0	7360

1720	1189861	0	309986	0	0	7340
1721	1196637	0	301689	0	0	7382
1722	1181713	0	357397	0	0	7290
1723	1186209	0	357543	0	0	7317
1724	1188018	0	303526	0	0	7329
1725	1188186	0	334981	0	0	7330
1726	1182183	0	333980	0	0	7293
1727	1293521	0	306093	0	0	7979
1728	1276783	0	362850	0	0	7876
1729	1284483	0	308306	0	0	7924
1730	1280757	0	361773	0	0	7901
1731	1283890	0	338139	0	0	7920
1732	1275452	0	339856	0	0	7868
1733	1275937	0	305967	0	0	7871
1734	1289334	0	323154	0	0	7954
1735	1284825	0	307276	0	0	7926
1736	1282529	0	322815	0	0	7912
1737	1290741	0	319015	0	0	7962
1738	1282839	0	316971	0	0	7914
1739	1826072	0	358151	0	0	11265
1740	1846499	0	374808	0	0	11391
1741	1836438	0	375151	0	0	11329
1742	1842655	0	359612	0	0	11367
1743	1820051	0	369031	0	0	11227
1744	1866410	0	371368	0	0	11513
1745	1838150	0	359370	0	0	11339
1746	1833646	0	415714	0	0	11311
1747	1836860	0	415877	0	0	11331
1748	1840132	0	362087	0	0	11351
1749	1810067	0	390197	0	0	11166
1750	1862755	0	395532	0	0	11491
1751	1753445	0	354150	0	0	10817
1752	1752999	0	412109	0	0	10814
1753	1752367	0	356925	0	0	10810
1754	1754350	0	410883	0	0	10822
1755	1730421	0	384458	0	0	10675
1756	1775175	0	391610	0	0	10951
1757	1741155	0	354021	0	0	10741
1758	1756403	0	371844	0	0	10835
1759	1753423	0	355983	0	0	10816
1760	1753949	0	371749	0	0	10820
1761	1728387	0	364605	0	0	10662
1762	1781774	0	368896	0	0	10991
1763	1821948	0	353855	0	0	11239
1764	1842378	0	370511	0	0	11365
1765	1832315	0	370855	0	0	11303
1766	1838531	0	355315	0	0	11341
1767	1815976	0	364735	0	0	11202
1768	1862244	0	367071	0	0	11488
1769	1834053	0	355073	0	0	11314
1770	1829516	0	411418	0	0	11286
1771	1832737	0	411580	0	0	11306
1772	1836008	0	357790	0	0	11326
1773	1805995	0	385901	0	0	11141
1774	1858574	0	391235	0	0	11465
1775	1749338	0	348104	0	0	10791
1776	1748844	0	406063	0	0	10788
1777	1748236	0	350879	0	0	10784
1778	1750206	0	404837	0	0	10797
1779	1726323	0	378412	0	0	10649
1780	1770981	0	385564	0	0	10925
1781	1737019	0	347975	0	0	10715
1782	1752278	0	365798	0	0	10809
1783	1749289	0	349937	0	0	10791
1784	1749809	0	365703	0	0	10794
1785	1724312	0	358559	0	0	10637
1786	1777591	0	362850	0	0	10966
1787	1822588	0	360517	0	0	11243

1788	1843018	0	377173	0	0	11369
1789	1832957	0	377516	0	0	11307
1790	1839171	0	361977	0	0	11345
1791	1816608	0	371396	0	0	11206
1792	1862891	0	373733	0	0	11492
1793	1834690	0	361735	0	0	11318
1794	1830157	0	418079	0	0	11290
1795	1833375	0	418242	0	0	11310
1796	1836648	0	364452	0	0	11330
1797	1806630	0	392563	0	0	11145
1798	1859222	0	397897	0	0	11469
1799	1749789	0	356272	0	0	10794
1800	1749306	0	414230	0	0	10791
1801	1748693	0	359046	0	0	10787
1802	1750663	0	413004	0	0	10799
1803	1726776	0	386580	0	0	10652
1804	1771448	0	393731	0	0	10928
1805	1737477	0	356143	0	0	10718
1806	1752734	0	373966	0	0	10812
1807	1749749	0	358104	0	0	10794
1808	1750265	0	373870	0	0	10797
1809	1724762	0	366727	0	0	10640
1810	1778056	0	371017	0	0	10968
1811	1818471	0	356220	0	0	11218
1812	1838904	0	372877	0	0	11344
1813	1828841	0	373220	0	0	11282
1814	1835054	0	357681	0	0	11320
1815	1812543	0	367100	0	0	11181
1816	1858733	0	369436	0	0	11466
1817	1830601	0	357439	0	0	11293
1818	1826034	0	413783	0	0	11264
1819	1829262	0	413945	0	0	11284
1820	1832532	0	360156	0	0	11304
1821	1802565	0	388266	0	0	11120
1822	1855051	0	393601	0	0	11443
1823	1745690	0	350226	0	0	10769
1824	1745159	0	408184	0	0	10766
1825	1744568	0	353000	0	0	10762
1826	1746526	0	406958	0	0	10774
1827	1722686	0	380533	0	0	10627
1828	1767262	0	387685	0	0	10902
1829	1733349	0	350097	0	0	10693
1830	1748617	0	367919	0	0	10787
1831	1745623	0	352058	0	0	10768
1832	1746136	0	367824	0	0	10772
1833	1720694	0	360681	0	0	10615
1834	1773880	0	364971	0	0	10943
1835	1605720	0	336757	0	0	9905
1836	1625112	0	353414	0	0	10025
1837	1615886	0	353757	0	0	9968
1838	1620944	0	338218	0	0	9999
1839	1609431	0	347637	0	0	9928
1840	1635169	0	349973	0	0	10087
1841	1622007	0	337976	0	0	10006
1842	1611637	0	394320	0	0	9942
1843	1615859	0	394482	0	0	9968
1844	1618729	0	340693	0	0	9986
1845	1600987	0	368803	0	0	9876
1846	1629065	0	374138	0	0	10049
1847	1131854	0	314329	0	0	6982
1848	1125681	0	372288	0	0	6944
1849	1127878	0	317103	0	0	6958
1850	1128075	0	371061	0	0	6959
1851	1111202	0	344637	0	0	6855
1852	1142044	0	351789	0	0	7045
1853	1116449	0	314200	0	0	6887
1854	1132603	0	332023	0	0	6987
1855	1128790	0	316161	0	0	6963

1856	1128387	0	331928	0	0	6961
1857	1112146	0	324784	0	0	6861
1858	1149543	0	329075	0	0	7091
1859	1603523	0	332461	0	0	9892
1860	1622891	0	349117	0	0	10011
1861	1613680	0	349460	0	0	9954
1862	1618726	0	333921	0	0	9986
1863	1607308	0	343340	0	0	9915
1864	1632864	0	345677	0	0	10073
1865	1619830	0	333679	0	0	9992
1866	1609422	0	390023	0	0	9928
1867	1613651	0	390186	0	0	9954
1868	1616514	0	336396	0	0	9972
1869	1598885	0	364507	0	0	9863
1870	1626744	0	369841	0	0	10035
1871	1129026	0	308283	0	0	6965
1872	1122768	0	366241	0	0	6926
1873	1125006	0	311057	0	0	6940
1874	1125176	0	365015	0	0	6941
1875	1108422	0	338591	0	0	6838
1876	1139032	0	345742	0	0	7026
1877	1113583	0	308154	0	0	6869
1878	1129740	0	325977	0	0	6969
1879	1125915	0	310115	0	0	6946
1880	1125498	0	325881	0	0	6943
1881	1109413	0	318738	0	0	6844
1882	1146541	0	323028	0	0	7073
1883	1603936	0	339122	0	0	9894
1884	1623310	0	355779	0	0	10014
1885	1614096	0	356122	0	0	9957
1886	1619142	0	340583	0	0	9988
1887	1607714	0	350002	0	0	9918
1888	1633294	0	352339	0	0	10075
1889	1620244	0	340341	0	0	9995
1890	1609839	0	396685	0	0	9931
1891	1614065	0	396848	0	0	9957
1892	1616930	0	343058	0	0	9974
1893	1599289	0	371168	0	0	9866
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1897	1125269	0	319225	0	0	6942
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1901	1113847	0	316321	0	0	6871
1902	1130004	0	334144	0	0	6971
1903	1126182	0	318283	0	0	6947
1904	1125766	0	334049	0	0	6945
1905	1109658	0	326905	0	0	6845
1906	1146824	0	331196	0	0	7075
1907	1601755	0	334826	0	0	9881
1908	1621103	0	351482	0	0	10000
1909	1611905	0	351825	0	0	9943
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1911	1605607	0	345705	0	0	9905
1912	1631001	0	348042	0	0	10061
1913	1618084	0	336044	0	0	9982
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1915	1611871	0	392551	0	0	9943
1916	1614731	0	338761	0	0	9961
1917	1597199	0	366872	0	0	9853
1918	1624868	0	372206	0	0	10023
1919	1126473	0	310404	0	0	6949
1920	1120143	0	368363	0	0	6910
1921	1122419	0	313179	0	0	6924
1922	1122564	0	367137	0	0	6925
1923	1105914	0	340712	0	0	6822

1924	1136318	0	347864	0	0	7010
1925	1110998	0	310275	0	0	6853
1926	1127159	0	328098	0	0	6953
1927	1123325	0	312237	0	0	6930
1928	1122896	0	328003	0	0	6927
1929	1106944	0	320859	0	0	6828
1930	1143836	0	325150	0	0	7056
1931	1391142	0	327069	0	0	8582
1932	1410895	0	343725	0	0	8703
1933	1401448	0	344068	0	0	8645
1934	1406734	0	328529	0	0	8678
1935	1393477	0	337948	0	0	8596
1936	1422572	0	340285	0	0	8776
1937	1406981	0	328287	0	0	8679
1938	1397368	0	384631	0	0	8620
1939	1401486	0	384794	0	0	8645
1940	1404448	0	331004	0	0	8664
1941	1384728	0	359114	0	0	8542
1942	1416787	0	364449	0	0	8740
1943	1334988	0	323190	0	0	8235
1944	1327012	0	381149	0	0	8186
1945	1330125	0	325964	0	0	8205
1946	1329718	0	379923	0	0	8203
1947	1315464	0	353498	0	0	8115
1948	1341031	0	360650	0	0	8273
1949	1318833	0	323061	0	0	8136
1950	1334998	0	340884	0	0	8235
1951	1330972	0	325023	0	0	8210
1952	1330265	0	340789	0	0	8206
1953	1317323	0	333645	0	0	8126
1954	1348721	0	337936	0	0	8320
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1956	1408370	0	339429	0	0	8688
1957	1398936	0	339772	0	0	8630
1958	1404205	0	324232	0	0	8662
1959	1391057	0	333652	0	0	8581
1960	1419953	0	335988	0	0	8759
1961	1404504	0	323991	0	0	8664
1962	1394844	0	380335	0	0	8604
1963	1398969	0	380497	0	0	8630
1964	1401925	0	326707	0	0	8648
1965	1382327	0	354818	0	0	8527
1966	1414149	0	360152	0	0	8724
1967	1332621	0	317144	0	0	8221
1968	1324573	0	375103	0	0	8171
1969	1327722	0	319918	0	0	8190
1970	1327291	0	373876	0	0	8188
1971	1313150	0	347452	0	0	8101
1972	1338495	0	354604	0	0	8257
1973	1316438	0	317015	0	0	8121
1974	1332603	0	334838	0	0	8221
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1976	1327847	0	334742	0	0	8191
1977	1315047	0	327599	0	0	8112
1978	1346192	0	331889	0	0	8304
1979	1389088	0	329434	0	0	8569
1980	1408823	0	346090	0	0	8691
1981	1399387	0	346433	0	0	8633
1982	1404662	0	330894	0	0	8665
1983	1391499	0	340313	0	0	8584
1984	1420418	0	342650	0	0	8762
1985	1404953	0	330652	0	0	8667
1986	1395301	0	386996	0	0	8607
1987	1399424	0	387159	0	0	8633
1988	1402380	0	333369	0	0	8651
1989	1382765	0	361480	0	0	8530
1990	1414617	0	366814	0	0	8726
1991	1332814	0	325312	0	0	8222

1992	1324777	0	383270	0	0	8172
1993	1327921	0	328086	0	0	8192
1994	1327492	0	382044	0	0	8189
1995	1313332	0	355619	0	0	8102
1996	1338712	0	362771	0	0	8258
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1998	1332798	0	343005	0	0	8222
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2002	1346407	0	340057	0	0	8306
2003	1386599	0	325137	0	0	8554
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2005	1396890	0	342137	0	0	8617
2006	1402151	0	326598	0	0	8650
2007	1389095	0	336017	0	0	8569
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2009	1402492	0	326356	0	0	8652
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2011	1396921	0	382862	0	0	8617
2012	1399873	0	329073	0	0	8636
2013	1380382	0	357183	0	0	8515
2014	1411994	0	362518	0	0	8710
2015	1330465	0	319266	0	0	8207
2016	1322354	0	377224	0	0	8157
2017	1325535	0	322040	0	0	8177
2018	1325083	0	375998	0	0	8174
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2021	1314258	0	319136	0	0	8107
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2030	2146758	0	359022	0	0	13243
2031	2138022	0	368441	0	0	13189
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2034	2137602	0	415124	0	0	13186
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2036	2144667	0	361497	0	0	13230
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2039	2136596	0	354298	0	0	13180
2040	2125427	0	412257	0	0	13111
2041	2130187	0	357073	0	0	13141
2042	2128657	0	411031	0	0	13131
2043	2119615	0	384606	0	0	13075
2044	2134665	0	391758	0	0	13168
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2046	2135220	0	371992	0	0	13172
2047	2130896	0	356131	0	0	13145
2048	2129633	0	371897	0	0	13137
2049	2123129	0	364753	0	0	13097
2050	2142519	0	369044	0	0	13217
2051	2130506	0	353265	0	0	13143
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2053	2140377	0	370264	0	0	13204
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2055	2136377	0	364144	0	0	13179
2056	2156566	0	366481	0	0	13303
2057	2147384	0	354483	0	0	13247
2058	2135883	0	410827	0	0	13176
2059	2140242	0	410990	0	0	13203

2060	2142944	0	357200	0	0	13219
2061	2128480	0	385311	0	0	13130
2062	2149999	0	390645	0	0	13263
2063	2135151	0	348252	0	0	13171
2064	2123941	0	406211	0	0	13102
2065	2128721	0	351026	0	0	13132
2066	2127174	0	404985	0	0	13122
2067	2118214	0	378560	0	0	13067
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2070	2133755	0	365946	0	0	13163
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2076	2149530	0	376583	0	0	13260
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2079	2136722	0	370806	0	0	13181
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2137	1579204	0	344249	0	0	9742
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2147	1582225	0	338010	0	0	9760
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2152	1620206	0	351226	0	0	9995
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2159	1578382	0	335428	0	0	9737
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2187	1554699	0	375318	0	0	9591
2188	1592177	0	382470	0	0	9822
2189	1562536	0	344881	0	0	9639
2190	1578439	0	362704	0	0	9737
2191	1574968	0	346843	0	0	9716
2192	1574984	0	362609	0	0	9716
2193	1554261	0	355465	0	0	9588
2194	1599346	0	359756	0	0	9866
2195	1577122	0	341952	0	0	9729

2196	1597606	0	358608	0	0	9855
2197	1587612	0	358951	0	0	9794
2198	1593603	0	343412	0	0	9831
2199	1573849	0	352832	0	0	9709
2200	1615008	0	355168	0	0	9963
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2203	1587913	0	399677	0	0	9795
2204	1591125	0	345887	0	0	9815
2205	1564138	0	373998	0	0	9649
2206	1610588	0	379332	0	0	9935
2207	1573218	0	338964	0	0	9705
2208	1569546	0	396923	0	0	9682
2209	1570504	0	341739	0	0	9688
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2211	1551276	0	369272	0	0	9569
2212	1588614	0	376424	0	0	9800
2213	1559056	0	338835	0	0	9617
2214	1574968	0	356658	0	0	9716
2215	1571488	0	340797	0	0	9694
2216	1571496	0	356563	0	0	9694
2217	1550867	0	349419	0	0	9567
2218	1595789	0	353710	0	0	9844
2219	1357778	0	322001	0	0	8376
2220	1372728	0	353480	0	0	8468
2221	1367546	0	355907	0	0	8436
2222	1365521	0	338415	0	0	8424
2223	1392720	0	344449	0	0	8591
2224	1347707	0	339942	0	0	8314
2225	1387593	0	324241	0	0	8560
2226	1356317	0	432731	0	0	8367
2227	1367877	0	432629	0	0	8438
2228	1366125	0	326987	0	0	8427
2229	1395559	0	385138	0	0	8609
2230	1335731	0	385000	0	0	8240
2231	1403123	0	325789	0	0	8656
2232	1364445	0	435464	0	0	8417
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2234	1375708	0	433105	0	0	8486
2235	1404359	0	383877	0	0	8663
2236	1346984	0	389445	0	0	8309
2237	1374304	0	325520	0	0	8478
2238	1390392	0	360085	0	0	8577
2239	1383031	0	344235	0	0	8532
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2242	1356028	0	346197	0	0	8365
2243	1360287	0	318198	0	0	8391
2244	1375096	0	349677	0	0	8483
2245	1369991	0	352104	0	0	8451
2246	1367923	0	332863	0	0	8438
2247	1395324	0	340646	0	0	8607
2248	1349912	0	336139	0	0	8327
2249	1390051	0	320439	0	0	8575
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2254	1337941	0	381197	0	0	8253
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2285	1376543	0	328070	0	0	8492
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2287	1385209	0	347028	0	0	8545
2288	1381193	0	362234	0	0	8520
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2291	1362597	0	320991	0	0	8406
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2320	1739826	0	363838	0	0	10733
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2325	1786877	0	388832	0	0	11023
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2328	1839130	0	417223	0	0	11345
2329	1849193	0	362680	0	0	11407
2330	1842969	0	416147	0	0	11369
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2332	1819350	0	394229	0	0	11223
2333	1847607	0	360341	0	0	11397
2334	1851973	0	377528	0	0	11424
2335	1848766	0	361650	0	0	11405
2336	1845493	0	377188	0	0	11384
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2338	1823153	0	371345	0	0	11247
2339	1765616	0	350516	0	0	10892
2340	1765872	0	365970	0	0	10893
2341	1766537	0	366954	0	0	10897
2342	1764520	0	350924	0	0	10885
2343	1788747	0	363134	0	0	11034
2344	1743930	0	360035	0	0	10758
2345	1777728	0	351738	0	0	10966
2346	1762536	0	407446	0	0	10873
2347	1765478	0	407592	0	0	10891
2348	1764931	0	353574	0	0	10887
2349	1791098	0	385029	0	0	11049
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2357	1851777	0	354788	0	0	11423
2358	1856111	0	371975	0	0	11450
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2381	1851133	0	362890	0	0	11419
2382	1855470	0	380077	0	0	11446
2383	1852269	0	364199	0	0	11426
2384	1848995	0	379737	0	0	11406
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2389	1770246	0	369747	0	0	10920
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2411	1270897	0	306836	0	0	7840
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2414	1283444	0	308296	0	0	7917
2415	1281490	0	317715	0	0	7905
2416	1289091	0	320052	0	0	7952
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2418	1274925	0	364398	0	0	7865
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2420	1281697	0	310771	0	0	7907
2421	1275158	0	338882	0	0	7866
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2423	1194910	0	301363	0	0	7371
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2426	1184142	0	358096	0	0	7305
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2430	1191940	0	319057	0	0	7353
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2441	1288043	0	303758	0	0	7946
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2447	1194642	0	295317	0	0	7369
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2453	1176916	0	295188	0	0	7260
2454	1191637	0	313011	0	0	7351
2455	1187129	0	297150	0	0	7323
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2529	1172513	0	330504	0	0	7233
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2535	1625564	0	343871	0	0	10028

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2574	1157689	0	337192	0	0	7142
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2581	1613982	0	350484	0	0	9956
2582	1614823	0	334454	0	0	9961
2583	1627549	0	346664	0	0	10040
2584	1606159	0	343565	0	0	9908
2585	1625131	0	335268	0	0	10025
2586	1609034	0	390976	0	0	9926
2587	1613181	0	391122	0	0	9951
2588	1614103	0	337104	0	0	9957
2589	1625435	0	368559	0	0	10027
2590	1598338	0	367559	0	0	9860
2591	1167687	0	314578	0	0	7203
2592	1147377	0	371335	0	0	7078
2593	1157202	0	316791	0	0	7139
2594	1151482	0	370259	0	0	7103
2595	1169010	0	346624	0	0	7211
2596	1132873	0	348341	0	0	6988
2597	1153158	0	314453	0	0	7114
2598	1160848	0	331640	0	0	7161
2599	1157013	0	315762	0	0	7137
2600	1153889	0	331300	0	0	7118
2601	1178522	0	327501	0	0	7270
2602	1138178	0	325456	0	0	7021
2603	1394051	0	326173	0	0	8600

2604	1402118	0	341627	0	0	8649
2605	1398893	0	342611	0	0	8629
2606	1399361	0	326581	0	0	8632
2607	1413814	0	338791	0	0	8722
2608	1389043	0	335692	0	0	8569
2609	1410180	0	327395	0	0	8699
2610	1394014	0	383103	0	0	8599
2611	1398047	0	383249	0	0	8624
2612	1398781	0	329231	0	0	8629
2613	1412307	0	360686	0	0	8712
2614	1381277	0	359686	0	0	8521
2615	1364876	0	327249	0	0	8420
2616	1344941	0	384005	0	0	8297
2617	1354501	0	329462	0	0	8356
2618	1349094	0	382929	0	0	8322
2619	1363867	0	359295	0	0	8413
2620	1332923	0	361011	0	0	8223
2621	1349416	0	327123	0	0	8324
2622	1358475	0	344310	0	0	8380
2623	1354421	0	328432	0	0	8355
2624	1351413	0	343970	0	0	8337
2625	1372981	0	340171	0	0	8470
2626	1338760	0	338127	0	0	8259
2627	1396481	0	322370	0	0	8615
2628	1404480	0	337824	0	0	8664
2629	1401291	0	338808	0	0	8644
2630	1401733	0	322778	0	0	8647
2631	1416292	0	334988	0	0	8737
2632	1391310	0	331889	0	0	8583
2633	1412584	0	323592	0	0	8714
2634	1396416	0	379300	0	0	8614
2635	1400442	0	379446	0	0	8639
2636	1401164	0	325428	0	0	8643
2637	1414822	0	356883	0	0	8728
2638	1383549	0	355883	0	0	8535
2639	1367601	0	321696	0	0	8436
2640	1347646	0	378452	0	0	8313
2641	1357218	0	323909	0	0	8372
2642	1351800	0	377376	0	0	8339
2643	1366674	0	353742	0	0	8431
2644	1335531	0	355458	0	0	8239
2645	1352170	0	321570	0	0	8341
2646	1361180	0	338757	0	0	8397
2647	1357135	0	322879	0	0	8372
2648	1354124	0	338417	0	0	8353
2649	1375804	0	334618	0	0	8487
2650	1341348	0	332574	0	0	8274
2651	1396278	0	328966	0	0	8613
2652	1404286	0	344420	0	0	8663
2653	1401092	0	345404	0	0	8643
2654	1401538	0	329374	0	0	8646
2655	1416080	0	341584	0	0	8735
2656	1391130	0	338485	0	0	8582
2657	1412384	0	330188	0	0	8713
2658	1396216	0	385896	0	0	8613
2659	1400242	0	386042	0	0	8638
2660	1400969	0	332024	0	0	8642
2661	1414606	0	363479	0	0	8726
2662	1383367	0	362479	0	0	8534
2663	1367120	0	329798	0	0	8433
2664	1347168	0	386554	0	0	8310
2665	1356738	0	332011	0	0	8369
2666	1351321	0	385478	0	0	8336
2667	1366185	0	361844	0	0	8428
2668	1335065	0	363560	0	0	8236
2669	1351686	0	329672	0	0	8338
2670	1360700	0	346859	0	0	8394
2671	1356655	0	330981	0	0	8369

2672	1353643	0	346519	0	0	8350
2673	1375313	0	342720	0	0	8484
2674	1340884	0	340676	0	0	8272
2675	1398724	0	325163	0	0	8628
2676	1406664	0	340618	0	0	8677
2677	1403505	0	341602	0	0	8658
2678	1403926	0	325571	0	0	8661
2679	1418575	0	337781	0	0	8751
2680	1393415	0	334682	0	0	8596
2681	1414804	0	326385	0	0	8728
2682	1398635	0	382093	0	0	8628
2683	1402654	0	382239	0	0	8653
2684	1403366	0	328222	0	0	8657
2685	1417135	0	359677	0	0	8742
2686	1385656	0	358676	0	0	8548
2687	1369857	0	324245	0	0	8450
2688	1349889	0	381002	0	0	8327
2689	1359471	0	326458	0	0	8386
2690	1354040	0	379926	0	0	8353
2691	1369007	0	356291	0	0	8445
2692	1337690	0	358008	0	0	8252
2693	1354457	0	324120	0	0	8355
2694	1363423	0	341307	0	0	8411
2695	1359385	0	325428	0	0	8386
2696	1356367	0	340967	0	0	8367
2697	1378152	0	337168	0	0	8502
2698	1343489	0	335123	0	0	8288
2699	2124257	0	353942	0	0	13104
2700	2135350	0	369396	0	0	13173
2701	2130596	0	370380	0	0	13143
2702	2132117	0	354350	0	0	13153
2703	2141558	0	366559	0	0	13211
2704	2126567	0	363461	0	0	13118
2705	2141394	0	355163	0	0	13210
2706	2125563	0	410872	0	0	13112
2707	2129882	0	411017	0	0	13139
2708	2131140	0	357000	0	0	13147
2709	2138352	0	388455	0	0	13191
2710	2118712	0	387455	0	0	13070
2711	2156891	0	359916	0	0	13305
2712	2138176	0	416672	0	0	13190
2713	2146992	0	362129	0	0	13244
2714	2142317	0	415596	0	0	13215
2715	2151488	0	391962	0	0	13272
2716	2131093	0	393678	0	0	13146
2717	2140081	0	359790	0	0	13202
2718	2151472	0	376977	0	0	13272
2719	2147119	0	361099	0	0	13245
2720	2144409	0	376637	0	0	13228
2721	2159594	0	372838	0	0	13322
2722	2137770	0	370794	0	0	13187
2723	2125782	0	350139	0	0	13113
2724	2136833	0	365593	0	0	13182
2725	2132101	0	366577	0	0	13152
2726	2133604	0	350547	0	0	13162
2727	2143126	0	362757	0	0	13220
2728	2127980	0	359658	0	0	13127
2729	2142909	0	351361	0	0	13219
2730	2127070	0	407069	0	0	13121
2731	2131385	0	407215	0	0	13148
2732	2132633	0	353197	0	0	13156
2733	2139944	0	384652	0	0	13201
2734	2120124	0	383652	0	0	13079
2735	2158647	0	354363	0	0	13316
2736	2139910	0	411120	0	0	13201
2737	2148740	0	356576	0	0	13255
2738	2144053	0	410044	0	0	13226
2739	2153301	0	386409	0	0	13283

2740	2132757	0	388126	0	0	13157
2741	2141853	0	354238	0	0	13213
2742	2153215	0	371425	0	0	13283
2743	2148863	0	355547	0	0	13256
2744	2146148	0	371085	0	0	13239
2745	2161423	0	367286	0	0	13333
2746	2139424	0	365241	0	0	13198
2747	2125709	0	356735	0	0	13113
2748	2136762	0	372189	0	0	13181
2749	2132028	0	373173	0	0	13152
2750	2133535	0	357143	0	0	13161
2751	2143044	0	369352	0	0	13220
2752	2127919	0	366254	0	0	13127
2753	2142835	0	357957	0	0	13219
2754	2126999	0	413665	0	0	13121
2755	2131315	0	413810	0	0	13148
2756	2132563	0	359793	0	0	13155
2757	2139859	0	391248	0	0	13200
2758	2120064	0	390248	0	0	13078
2759	2158286	0	362465	0	0	13314
2760	2139550	0	419222	0	0	13198
2761	2148381	0	364678	0	0	13253
2762	2143695	0	418146	0	0	13224
2763	2152931	0	394511	0	0	13281
2764	2132405	0	396228	0	0	13154
2765	2141488	0	362340	0	0	13210
2766	2152855	0	379527	0	0	13280
2767	2148504	0	363648	0	0	13254
2768	2145790	0	379187	0	0	13237
2769	2161054	0	375388	0	0	13331
2770	2139073	0	373343	0	0	13195
2771	2127247	0	352932	0	0	13123
2772	2138257	0	368386	0	0	13190
2773	2133545	0	369370	0	0	13161
2774	2135037	0	353340	0	0	13171
2775	2144623	0	365550	0	0	13230
2776	2129344	0	362451	0	0	13135
2777	2144362	0	354154	0	0	13228
2778	2128515	0	409862	0	0	13130
2779	2132827	0	410008	0	0	13157
2780	2134071	0	355990	0	0	13165
2781	2141463	0	387445	0	0	13210
2782	2121489	0	386445	0	0	13087
2783	2160054	0	356913	0	0	13325
2784	2141299	0	413669	0	0	13209
2785	2150139	0	359126	0	0	13264
2786	2145443	0	412593	0	0	13235
2787	2154758	0	388959	0	0	13292
2788	2134085	0	390675	0	0	13165
2789	2143273	0	356787	0	0	13221
2790	2154608	0	373974	0	0	13291
2791	2150260	0	358096	0	0	13264
2792	2147541	0	373634	0	0	13248
2793	2162893	0	369835	0	0	13342
2794	2140742	0	367791	0	0	13206
2795	1582650	0	341463	0	0	9763
2796	1586044	0	356917	0	0	9784
2797	1585161	0	357901	0	0	9779
2798	1584103	0	341871	0	0	9772
2799	1604855	0	354081	0	0	9900
2800	1567248	0	350982	0	0	9668
2801	1596597	0	342685	0	0	9849
2802	1580731	0	398393	0	0	9751
2803	1584168	0	398539	0	0	9772
2804	1584123	0	344521	0	0	9772
2805	1605702	0	375976	0	0	9905
2806	1559996	0	374976	0	0	9623
2807	1616470	0	344604	0	0	9972

2808	1595978	0	401360	0	0	9845
2809	1605983	0	346817	0	0	9907
2810	1599972	0	400284	0	0	9870
2811	1620340	0	376650	0	0	9996
2812	1578669	0	378366	0	0	9738
2813	1603160	0	344478	0	0	9890
2814	1609214	0	361665	0	0	9927
2815	1605673	0	345787	0	0	9905
2816	1602453	0	361325	0	0	9885
2817	1630160	0	357526	0	0	10056
2818	1583233	0	355482	0	0	9767
2819	1586217	0	337660	0	0	9785
2820	1589556	0	353114	0	0	9806
2821	1588701	0	354098	0	0	9800
2822	1587623	0	338068	0	0	9794
2823	1608444	0	350278	0	0	9922
2824	1570699	0	347179	0	0	9689
2825	1600135	0	338882	0	0	9871
2826	1584278	0	394590	0	0	9773
2827	1587705	0	394736	0	0	9794
2828	1587653	0	340718	0	0	9794
2829	1609318	0	372173	0	0	9928
2830	1563455	0	371173	0	0	9645
2831	1620166	0	339051	0	0	9994
2832	1599672	0	395808	0	0	9868
2833	1609681	0	341264	0	0	9930
2834	1603663	0	394731	0	0	9893
2835	1624097	0	371097	0	0	10019
2836	1582299	0	372814	0	0	9761
2837	1606885	0	338925	0	0	9913
2838	1612901	0	356112	0	0	9950
2839	1609369	0	340234	0	0	9928
2840	1606147	0	355773	0	0	9908
2841	1633923	0	351973	0	0	10079
2842	1586845	0	349929	0	0	9789
2843	1587982	0	346118	0	0	9796
2844	1591296	0	361572	0	0	9816
2845	1590452	0	362556	0	0	9811
2846	1589369	0	346526	0	0	9804
2847	1610217	0	358736	0	0	9933
2848	1572413	0	355637	0	0	9700
2849	1601885	0	347340	0	0	9882
2850	1586034	0	403048	0	0	9784
2851	1589459	0	403194	0	0	9805
2852	1589402	0	349176	0	0	9805
2853	1611103	0	380631	0	0	9939
2854	1565173	0	379631	0	0	9655
2855	1621646	0	348853	0	0	10004
2856	1601152	0	405609	0	0	9877
2857	1611162	0	351066	0	0	9939
2858	1605141	0	404533	0	0	9902
2859	1625604	0	380899	0	0	10028
2860	1583751	0	382615	0	0	9770
2861	1608380	0	348727	0	0	9922
2862	1614376	0	365914	0	0	9959
2863	1610847	0	350036	0	0	9937
2864	1607624	0	365574	0	0	9917
2865	1635436	0	361775	0	0	10089
2866	1588289	0	359731	0	0	9798
2867	1591568	0	342315	0	0	9818
2868	1594826	0	357769	0	0	9838
2869	1594010	0	358753	0	0	9833
2870	1592909	0	342723	0	0	9826
2871	1613822	0	354933	0	0	9955
2872	1575882	0	351834	0	0	9721
2873	1605441	0	343537	0	0	9904
2874	1589597	0	399245	0	0	9806
2875	1593012	0	399391	0	0	9827

2876	1592949	0	345373	0	0	9827
2877	1614735	0	376828	0	0	9961
2878	1568651	0	375828	0	0	9677
2879	1625356	0	343300	0	0	10026
2880	1604863	0	400057	0	0	9900
2881	1614876	0	345513	0	0	9962
2882	1608847	0	398980	0	0	9925
2883	1629379	0	375346	0	0	10051
2884	1587399	0	377063	0	0	9792
2885	1612124	0	343174	0	0	9945
2886	1618081	0	360361	0	0	9982
2887	1614558	0	344483	0	0	9960
2888	1611333	0	360022	0	0	9940
2889	1639215	0	356222	0	0	10112
2890	1591919	0	354178	0	0	9820

Risultati combinazioni maggiormente gravosa:

Cmb	Mx	My	N	σ	σ/σ_L	σ_a	σ_a/σ_{aL}	Ver
n.	daN cm	daN cm	daN	daN/cm ²		daN/cm ²		
2760	2139550	0	419222	46	0.31	661	0.10	Ok
2280	1366602	0	438013	43	0.29	632	0.12	Ok

Verifiche stato limite di esercizio per c. c. frequenti:

Valori limite:

Fessure: $W_{kL} = 0.30$ mm (verifica Ok per $W_k/W_{kL} < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	daN cm	daN cm	daN	daN cm	daN	daN
2891	486238	0	275795	0	0	2999
2892	499703	0	333754	0	0	3083
2893	492438	0	291552	0	0	3038
2894	498021	0	332528	0	0	3072
2895	465952	0	306103	0	0	2874
2896	528381	0	313255	0	0	3259
2897	485843	0	275771	0	0	2997
2898	493387	0	332115	0	0	3044
2899	493458	0	332278	0	0	3044
2900	496036	0	293394	0	0	3060
2901	457689	0	306599	0	0	2823
2902	530467	0	311933	0	0	3272
2903	480572	0	270256	0	0	2965
2904	494032	0	327708	0	0	3048
2905	486767	0	287256	0	0	3003
2906	492353	0	326482	0	0	3037
2907	460284	0	300057	0	0	2839
2908	522709	0	307209	0	0	3224
2909	480172	0	271475	0	0	2962
2910	487717	0	327819	0	0	3009
2911	487790	0	327982	0	0	3009
2912	490365	0	287348	0	0	3025
2913	452019	0	302302	0	0	2788
2914	524797	0	307637	0	0	3237
2915	486238	0	275795	0	0	2999
2916	499703	0	333754	0	0	3083
2917	492438	0	291552	0	0	3038
2918	498021	0	332528	0	0	3072
2919	465952	0	306103	0	0	2874
2920	528381	0	313255	0	0	3259
2921	485843	0	275771	0	0	2997
2922	493387	0	332115	0	0	3044
2923	493458	0	332278	0	0	3044
2924	496036	0	293394	0	0	3060
2925	457689	0	306599	0	0	2823

2926	530467	0	311933	0	0	3272
2927	480572	0	270256	0	0	2965
2928	494032	0	327708	0	0	3048
2929	486767	0	287256	0	0	3003
2930	492353	0	326482	0	0	3037
2931	460284	0	300057	0	0	2839
2932	522709	0	307209	0	0	3224
2933	480172	0	271475	0	0	2962
2934	487717	0	327819	0	0	3009
2935	487790	0	327982	0	0	3009
2936	490365	0	287348	0	0	3025
2937	452019	0	302302	0	0	2788
2938	524797	0	307637	0	0	3237
2939	482139	0	277563	0	0	2974
2940	495607	0	335522	0	0	3057
2941	488340	0	293523	0	0	3012
2942	493923	0	334296	0	0	3047
2943	461855	0	307871	0	0	2849
2944	524284	0	315023	0	0	3234
2945	481747	0	277742	0	0	2972
2946	489288	0	334086	0	0	3018
2947	489360	0	334249	0	0	3019
2948	491938	0	295162	0	0	3035
2949	453591	0	308570	0	0	2798
2950	526366	0	313904	0	0	3247
2951	476474	0	272227	0	0	2939
2952	489935	0	329476	0	0	3022
2953	482669	0	289227	0	0	2977
2954	488255	0	328249	0	0	3012
2955	456186	0	301825	0	0	2814
2956	518612	0	308977	0	0	3199
2957	476075	0	273446	0	0	2937
2958	483619	0	329790	0	0	2983
2959	483692	0	329953	0	0	2984
2960	486267	0	289116	0	0	3000
2961	447921	0	304273	0	0	2763
2962	520698	0	309608	0	0	3212
2963	482139	0	277563	0	0	2974
2964	495607	0	335522	0	0	3057
2965	488340	0	293523	0	0	3012
2966	493923	0	334296	0	0	3047
2967	461855	0	307871	0	0	2849
2968	524284	0	315023	0	0	3234
2969	481747	0	277742	0	0	2972
2970	489288	0	334086	0	0	3018
2971	489360	0	334249	0	0	3019
2972	491938	0	295162	0	0	3035
2973	453591	0	308570	0	0	2798
2974	526366	0	313904	0	0	3247
2975	476474	0	272227	0	0	2939
2976	489935	0	329476	0	0	3022
2977	482669	0	289227	0	0	2977
2978	488255	0	328249	0	0	3012
2979	456186	0	301825	0	0	2814
2980	518612	0	308977	0	0	3199
2981	476075	0	273446	0	0	2937
2982	483619	0	329790	0	0	2983
2983	483692	0	329953	0	0	2984
2984	486267	0	289116	0	0	3000
2985	447921	0	304273	0	0	2763
2986	520698	0	309608	0	0	3212
2987	648060	0	294525	0	0	3998
2988	648060	0	294525	0	0	3998
2989	648060	0	294525	0	0	3998
2990	648060	0	294525	0	0	3998
2991	648060	0	294525	0	0	3998
2992	648060	0	294525	0	0	3998
2993	640124	0	294590	0	0	3949

2994	640124	0	294590	0	0	3949
2995	640124	0	294590	0	0	3949
2996	640124	0	294590	0	0	3949
2997	640124	0	294590	0	0	3949
2998	640124	0	294590	0	0	3949
2999	643637	0	290228	0	0	3970
3000	643637	0	290228	0	0	3970
3001	643637	0	290228	0	0	3970
3002	643637	0	290228	0	0	3970
3003	643637	0	290228	0	0	3970
3004	643637	0	290228	0	0	3970
3005	635820	0	288544	0	0	3922
3006	635820	0	288544	0	0	3922
3007	635820	0	288544	0	0	3922
3008	635820	0	288544	0	0	3922
3009	635820	0	288544	0	0	3922
3010	635820	0	288544	0	0	3922
3011	644932	0	296496	0	0	3978
3012	644932	0	296496	0	0	3978
3013	644932	0	296496	0	0	3978
3014	644932	0	296496	0	0	3978
3015	644932	0	296496	0	0	3978
3016	644932	0	296496	0	0	3978
3017	636940	0	296358	0	0	3929
3018	636940	0	296358	0	0	3929
3019	636940	0	296358	0	0	3929
3020	636940	0	296358	0	0	3929
3021	636940	0	296358	0	0	3929
3022	636940	0	296358	0	0	3929
3023	640525	0	292199	0	0	3951
3024	640525	0	292199	0	0	3951
3025	640525	0	292199	0	0	3951
3026	640525	0	292199	0	0	3951
3027	640525	0	292199	0	0	3951
3028	640525	0	292199	0	0	3951
3029	632650	0	290312	0	0	3903
3030	632650	0	290312	0	0	3903
3031	632650	0	290312	0	0	3903
3032	632650	0	290312	0	0	3903
3033	632650	0	290312	0	0	3903
3034	632650	0	290312	0	0	3903
3035	596728	0	283956	0	0	3681
3036	596728	0	283956	0	0	3681
3037	596728	0	283956	0	0	3681
3038	596728	0	283956	0	0	3681
3039	596728	0	283956	0	0	3681
3040	596728	0	283956	0	0	3681
3041	591811	0	286078	0	0	3651
3042	591811	0	286078	0	0	3651
3043	591811	0	286078	0	0	3651
3044	591811	0	286078	0	0	3651
3045	591811	0	286078	0	0	3651
3046	591811	0	286078	0	0	3651
3047	591060	0	278522	0	0	3646
3048	591060	0	278522	0	0	3646
3049	591060	0	278522	0	0	3646
3050	591060	0	278522	0	0	3646
3051	591060	0	278522	0	0	3646
3052	591060	0	278522	0	0	3646
3053	586140	0	280887	0	0	3616
3054	586140	0	280887	0	0	3616
3055	586140	0	280887	0	0	3616
3056	586140	0	280887	0	0	3616
3057	586140	0	280887	0	0	3616
3058	586140	0	280887	0	0	3616
3059	524429	0	276883	0	0	3235
3060	510856	0	333639	0	0	3151
3061	518052	0	293305	0	0	3196

3062	512475	0	332563	0	0	3161
3063	544549	0	308929	0	0	3359
3064	482153	0	310645	0	0	2974
3065	524782	0	278088	0	0	3237
3066	517177	0	333797	0	0	3190
3067	517034	0	333942	0	0	3189
3068	514455	0	293604	0	0	3174
3069	552819	0	311380	0	0	3410
3070	480040	0	310379	0	0	2961
3071	530100	0	273064	0	0	3270
3072	516523	0	328087	0	0	3186
3073	523723	0	289502	0	0	3231
3074	518146	0	327010	0	0	3196
3075	550220	0	303376	0	0	3394
3076	487820	0	305093	0	0	3009
3077	530448	0	274286	0	0	3272
3078	522845	0	329994	0	0	3225
3079	522705	0	330139	0	0	3224
3080	520123	0	288052	0	0	3209
3081	558491	0	307577	0	0	3445
3082	485711	0	306577	0	0	2996
3083	524429	0	276883	0	0	3235
3084	510856	0	333639	0	0	3151
3085	518052	0	293305	0	0	3196
3086	512475	0	332563	0	0	3161
3087	544549	0	308929	0	0	3359
3088	482153	0	310645	0	0	2974
3089	524782	0	278088	0	0	3237
3090	517177	0	333797	0	0	3190
3091	517034	0	333942	0	0	3189
3092	514455	0	293604	0	0	3174
3093	552819	0	311380	0	0	3410
3094	480040	0	310379	0	0	2961
3095	530100	0	273064	0	0	3270
3096	516523	0	328087	0	0	3186
3097	523723	0	289502	0	0	3231
3098	518146	0	327010	0	0	3196
3099	550220	0	303376	0	0	3394
3100	487820	0	305093	0	0	3009
3101	530448	0	274286	0	0	3272
3102	522845	0	329994	0	0	3225
3103	522705	0	330139	0	0	3224
3104	520123	0	288052	0	0	3209
3105	558491	0	307577	0	0	3445
3106	485711	0	306577	0	0	2996
3107	528525	0	279194	0	0	3260
3108	514954	0	335764	0	0	3177
3109	522152	0	295632	0	0	3221
3110	516573	0	334688	0	0	3187
3111	548647	0	311053	0	0	3384
3112	486251	0	312770	0	0	3000
3113	528880	0	280416	0	0	3263
3114	521273	0	336124	0	0	3216
3115	521132	0	336270	0	0	3215
3116	518553	0	295729	0	0	3199
3117	556917	0	313707	0	0	3435
3118	484137	0	312707	0	0	2987
3119	534196	0	275391	0	0	3295
3120	520621	0	330211	0	0	3212
3121	527821	0	291829	0	0	3256
3122	522244	0	329135	0	0	3222
3123	554318	0	305501	0	0	3419
3124	491919	0	307217	0	0	3035
3125	534547	0	276613	0	0	3298
3126	526942	0	332321	0	0	3251
3127	526803	0	332467	0	0	3250
3128	524221	0	290176	0	0	3234
3129	562588	0	309904	0	0	3470

3130	489809	0	308904	0	0	3022
3131	528525	0	279194	0	0	3260
3132	514954	0	335764	0	0	3177
3133	522152	0	295632	0	0	3221
3134	516573	0	334688	0	0	3187
3135	548647	0	311053	0	0	3384
3136	486251	0	312770	0	0	3000
3137	528880	0	280416	0	0	3263
3138	521273	0	336124	0	0	3216
3139	521132	0	336270	0	0	3215
3140	518553	0	295729	0	0	3199
3141	556917	0	313707	0	0	3435
3142	484137	0	312707	0	0	2987
3143	534196	0	275391	0	0	3295
3144	520621	0	330211	0	0	3212
3145	527821	0	291829	0	0	3256
3146	522244	0	329135	0	0	3222
3147	554318	0	305501	0	0	3419
3148	491919	0	307217	0	0	3035
3149	534547	0	276613	0	0	3298
3150	526942	0	332321	0	0	3251
3151	526803	0	332467	0	0	3250
3152	524221	0	290176	0	0	3234
3153	562588	0	309904	0	0	3470
3154	489809	0	308904	0	0	3022
3155	653407	0	294823	0	0	4031
3156	653407	0	294823	0	0	4031
3157	653407	0	294823	0	0	4031
3158	653407	0	294823	0	0	4031
3159	653407	0	294823	0	0	4031
3160	653407	0	294823	0	0	4031
3161	660974	0	295805	0	0	4077
3162	660974	0	295805	0	0	4077
3163	660974	0	295805	0	0	4077
3164	660974	0	295805	0	0	4077
3165	660974	0	295805	0	0	4077
3166	660974	0	295805	0	0	4077
3167	657789	0	291020	0	0	4058
3168	657789	0	291020	0	0	4058
3169	657789	0	291020	0	0	4058
3170	657789	0	291020	0	0	4058
3171	657789	0	291020	0	0	4058
3172	657789	0	291020	0	0	4058
3173	665470	0	290252	0	0	4105
3174	665470	0	290252	0	0	4105
3175	665470	0	290252	0	0	4105
3176	665470	0	290252	0	0	4105
3177	665470	0	290252	0	0	4105
3178	665470	0	290252	0	0	4105
3179	656643	0	297151	0	0	4051
3180	656643	0	297151	0	0	4051
3181	656643	0	297151	0	0	4051
3182	656643	0	297151	0	0	4051
3183	656643	0	297151	0	0	4051
3184	656643	0	297151	0	0	4051
3185	664154	0	297929	0	0	4097
3186	664154	0	297929	0	0	4097
3187	664154	0	297929	0	0	4097
3188	664154	0	297929	0	0	4097
3189	664154	0	297929	0	0	4097
3190	664154	0	297929	0	0	4097
3191	661040	0	293348	0	0	4078
3192	661040	0	293348	0	0	4078
3193	661040	0	293348	0	0	4078
3194	661040	0	293348	0	0	4078
3195	661040	0	293348	0	0	4078
3196	661040	0	293348	0	0	4078
3197	668663	0	292376	0	0	4125

3198	668663	0	292376	0	0	4125
3199	668663	0	292376	0	0	4125
3200	668663	0	292376	0	0	4125
3201	668663	0	292376	0	0	4125
3202	668663	0	292376	0	0	4125
3203	615859	0	284413	0	0	3799
3204	615859	0	284413	0	0	3799
3205	615859	0	284413	0	0	3799
3206	615859	0	284413	0	0	3799
3207	615859	0	284413	0	0	3799
3208	615859	0	284413	0	0	3799
3209	620776	0	287206	0	0	3829
3210	620776	0	287206	0	0	3829
3211	620776	0	287206	0	0	3829
3212	620776	0	287206	0	0	3829
3213	620776	0	287206	0	0	3829
3214	620776	0	287206	0	0	3829
3215	621527	0	280610	0	0	3834
3216	621527	0	280610	0	0	3834
3217	621527	0	280610	0	0	3834
3218	621527	0	280610	0	0	3834
3219	621527	0	280610	0	0	3834
3220	621527	0	280610	0	0	3834
3221	626444	0	283403	0	0	3864
3222	626444	0	283403	0	0	3864
3223	626444	0	283403	0	0	3864
3224	626444	0	283403	0	0	3864
3225	626444	0	283403	0	0	3864
3226	626444	0	283403	0	0	3864

Risultati combinazioni maggiormente gravosa:

Cmb	Mx	My	N	Wk	Wk/WkL	Ver
n.	daN cm	daN cm	daN	mm		
2891	486238	0	275795	0.00	0.00	Ok

Verifiche stato limite di esercizio per c. c. quasi permanenti:

Valori limite:

CLS: $\sigma_{cL} = 112$ daN/cm² (verifica Ok per $\sigma_c/\sigma_{cL} < 1$)

Fessure: $W_{kL} = 0.20$ mm (verifica Ok per $W_k/W_{kL} < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	daN cm	daN cm	daN	daN cm	daN	daN
3227	495269	0	279734	0	0	3055
3228	495269	0	279734	0	0	3055
3229	495269	0	279734	0	0	3055
3230	495269	0	279734	0	0	3055
3231	495269	0	279734	0	0	3055
3232	495269	0	279734	0	0	3055
3233	489601	0	274442	0	0	3020
3234	489601	0	274442	0	0	3020
3235	489601	0	274442	0	0	3020
3236	489601	0	274442	0	0	3020
3237	489601	0	274442	0	0	3020
3238	489601	0	274442	0	0	3020
3239	491171	0	281502	0	0	3030
3240	491171	0	281502	0	0	3030
3241	491171	0	281502	0	0	3030
3242	491171	0	281502	0	0	3030
3243	491171	0	281502	0	0	3030
3244	491171	0	281502	0	0	3030
3245	485503	0	276413	0	0	2995
3246	485503	0	276413	0	0	2995

3247	485503	0	276413	0	0	2995
3248	485503	0	276413	0	0	2995
3249	485503	0	276413	0	0	2995
3250	485503	0	276413	0	0	2995
3251	515219	0	280243	0	0	3178
3252	515219	0	280243	0	0	3178
3253	515219	0	280243	0	0	3178
3254	515219	0	280243	0	0	3178
3255	515219	0	280243	0	0	3178
3256	515219	0	280243	0	0	3178
3257	520890	0	276440	0	0	3213
3258	520890	0	276440	0	0	3213
3259	520890	0	276440	0	0	3213
3260	520890	0	276440	0	0	3213
3261	520890	0	276440	0	0	3213
3262	520890	0	276440	0	0	3213
3263	519317	0	282570	0	0	3204
3264	519317	0	282570	0	0	3204
3265	519317	0	282570	0	0	3204
3266	519317	0	282570	0	0	3204
3267	519317	0	282570	0	0	3204
3268	519317	0	282570	0	0	3204
3269	524987	0	278767	0	0	3239
3270	524987	0	278767	0	0	3239
3271	524987	0	278767	0	0	3239
3272	524987	0	278767	0	0	3239
3273	524987	0	278767	0	0	3239
3274	524987	0	278767	0	0	3239

Risultati combinazioni maggiormente gravosa:

Cmb	Mx	My	N	σ	σ/σ_L	Wk	Wk/WkL	Ver
n.	daN cm	daN cm	daN	daN/cm ²		mm		
3263	519317	0	282570	26	0.23	0.00	0.00	Ok
3227	495269	0	279734	26	0.23	0.00	0.00	Ok

15. VERIFICHE STRUTTURALI PILA 2 (STR)

15.1. SNELLEZZA

Si valuta l'instabilità della pila 2, alta 24 m, eseguendo un'analisi di buckling nell'ipotesi cautelativa che la pila sia isolata (priva di ritegni in testa) e soggetta al peso proprio e al massimo carico di esercizio trasmesso dall'impalcato.

Load Pattern	buckling
Joint Force	
Coordinate System	GLOBAL
Force in X Dir	136.
Force in Y Dir	389.
Force in Z Dir	-13297.
Moment about X	7130.
Moment about Y	21.

Figura 15-1; carichi applicati in testa pila



Figura 15-2; modello di calcolo

S Load Case Data - Buckling

Load Case Name
Buckling-analysis **Notes**

Load Case Type
Buckling

Stiffness to Use
 Zero Initial Conditions - Unstressed State
 Stiffness at End of Nonlinear Case
 Important Note: Loads from the Nonlinear Case are NOT included in the current case

Mass Source
MSSSRC1

Loads Applied

Load Type	Load Name	Scale Factor
Load Pattern	G1+G2	1.
Load Pattern	G1+G2	1.
Load Pattern	buckling	1.

Other Parameters
 Number of Buckling Modes:
 Eigenvalue Convergence Tolerance:

Figura 15-3; impostazione dell'analisi

Deformed Shape (Buckling-analysis) - Mode 1; Factor 26.66536



Figura 15-4; risultato dell'analisi di buckling - primo modo

Dall'analisi si ricava che l'instabilità legata al primo modo si ottiene con un moltiplicatore dei carichi pari a 26, molto più grande dei moltiplicatori 1.35 e 1.5 dei carichi in esercizio per passare agli SLU.

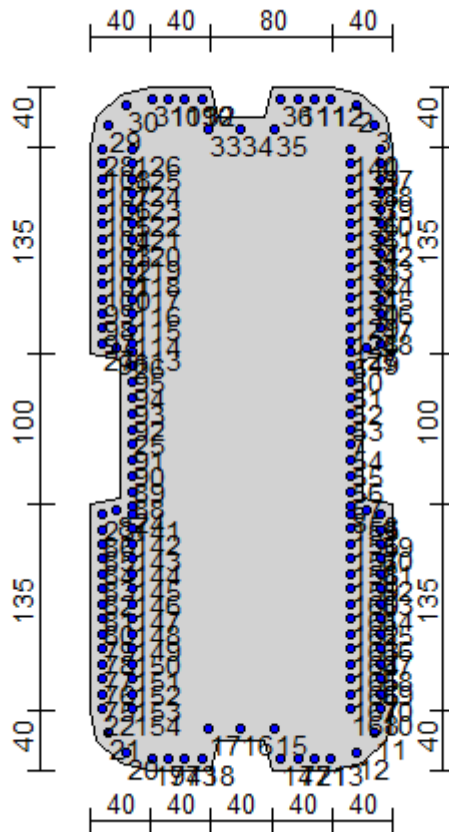
Si escludono quindi fenomeni di instabilità coi carichi di esercizio.

15.2. BASE PILA

15.2.1. VERIFICA A PRESSOFLESSIONE

La sezione è armata con ferri 168φ26. Per maggiori dettagli si rimanda agli elaborati di progetto.

2SI s.r.l - ProVLIM - Verifica sezioni



Geometria della sezione:

Vertice	X	Y
n.	cm	cm
1	160.0	450.0
2	179.4	445.0
3	195.0	429.4
4	200.0	410.0
5	200.0	275.0
6	180.0	270.0
7	180.0	225.0
8	180.0	180.0
9	200.0	175.0
10	200.0	40.0
11	195.0	20.6
12	179.4	5.0
13	160.0	0.0
14	120.0	0.0
15	115.0	20.0
16	100.0	20.0
17	85.0	20.0
18	80.0	0.0
19	40.0	0.0
20	20.6	5.0
21	5.0	20.6

22	0.0	40.0
23	0.0	175.0
24	20.0	180.0
25	20.0	225.0
26	20.0	270.0
27	0.0	275.0
28	0.0	410.0
29	5.0	429.4
30	20.6	445.0
31	40.0	450.0
32	80.0	450.0
33	85.0	430.0
34	100.0	430.0
35	115.0	430.0
36	120.0	450.0

Armature:

Pos	X	Y	Area	Pretens.
n.	cm	cm	cmq	si / no
1	159.0	442.1	5.31	no
2	175.3	437.9	5.31	no
3	187.9	425.3	5.31	no
4	192.1	409.0	5.31	no
5	192.1	281.2	5.31	no
6	172.1	276.2	5.31	no
7	172.1	225.0	5.31	no
8	172.1	173.8	5.31	no
9	192.1	168.8	5.31	no
10	192.1	41.0	5.31	no
11	187.9	24.7	5.31	no
12	175.3	12.1	5.31	no
13	159.0	7.9	5.31	no
14	126.2	7.9	5.31	no
15	121.2	27.9	5.31	no
16	100.0	27.9	5.31	no
17	78.8	27.9	5.31	no
18	73.8	7.9	5.31	no
19	41.0	7.9	5.31	no
20	24.7	12.1	5.31	no
21	12.1	24.7	5.31	no
22	7.9	41.0	5.31	no
23	7.9	168.8	5.31	no
24	27.9	173.8	5.31	no
25	27.9	225.0	5.31	no
26	27.9	276.2	5.31	no
27	7.9	281.2	5.31	no
28	7.9	409.0	5.31	no
29	12.1	425.3	5.31	no
30	24.7	437.9	5.31	no
31	41.0	442.1	5.31	no
32	73.8	442.1	5.31	no
33	78.8	422.1	5.31	no
34	100.0	422.1	5.31	no
35	121.2	422.1	5.31	no
36	126.2	442.1	5.31	no
37	192.1	399.2	5.31	no
38	192.1	389.3	5.31	no
39	192.1	379.5	5.31	no
40	192.1	369.7	5.31	no
41	192.1	359.8	5.31	no
42	192.1	350.0	5.31	no
43	192.1	340.2	5.31	no
44	192.1	330.3	5.31	no
45	192.1	320.5	5.31	no
46	192.1	310.7	5.31	no
47	192.1	300.8	5.31	no
48	192.1	291.0	5.31	no

49	182.1	278.7	5.31	no
50	172.1	265.9	5.31	no
51	172.1	255.7	5.31	no
52	172.1	245.5	5.31	no
53	172.1	235.2	5.31	no
54	172.1	214.8	5.31	no
55	172.1	204.5	5.31	no
56	172.1	194.3	5.31	no
57	172.1	184.1	5.31	no
58	182.1	171.3	5.31	no
59	192.1	159.0	5.31	no
60	192.1	149.2	5.31	no
61	192.1	139.3	5.31	no
62	192.1	129.5	5.31	no
63	192.1	119.7	5.31	no
64	192.1	109.8	5.31	no
65	192.1	100.0	5.31	no
66	192.1	90.2	5.31	no
67	192.1	80.3	5.31	no
68	192.1	70.5	5.31	no
69	192.1	60.7	5.31	no
70	192.1	50.8	5.31	no
71	148.1	7.9	5.31	no
72	137.1	7.9	5.31	no
73	62.9	7.9	5.31	no
74	51.9	7.9	5.31	no
75	7.9	50.8	5.31	no
76	7.9	60.7	5.31	no
77	7.9	70.5	5.31	no
78	7.9	80.3	5.31	no
79	7.9	90.2	5.31	no
80	7.9	100.0	5.31	no
81	7.9	109.8	5.31	no
82	7.9	119.7	5.31	no
83	7.9	129.5	5.31	no
84	7.9	139.3	5.31	no
85	7.9	149.2	5.31	no
86	7.9	159.0	5.31	no
87	17.9	171.3	5.31	no
88	27.9	184.1	5.31	no
89	27.9	194.3	5.31	no
90	27.9	204.5	5.31	no
91	27.9	214.8	5.31	no
92	27.9	235.2	5.31	no
93	27.9	245.5	5.31	no
94	27.9	255.7	5.31	no
95	27.9	265.9	5.31	no
96	17.9	278.7	5.31	no
97	7.9	291.0	5.31	no
98	7.9	300.8	5.31	no
99	7.9	310.7	5.31	no
100	7.9	320.5	5.31	no
101	7.9	330.3	5.31	no
102	7.9	340.2	5.31	no
103	7.9	350.0	5.31	no
104	7.9	359.8	5.31	no
105	7.9	369.7	5.31	no
106	7.9	379.5	5.31	no
107	7.9	389.3	5.31	no
108	7.9	399.2	5.31	no
109	51.9	442.1	5.31	no
110	62.9	442.1	5.31	no
111	137.1	442.1	5.31	no
112	148.1	442.1	5.31	no
113	28.0	281.0	5.31	no
114	28.0	290.8	5.31	no
115	28.0	300.7	5.31	no
116	28.0	310.5	5.31	no

117	28.0	320.4	5.31	no
118	28.0	330.2	5.31	no
119	28.0	340.1	5.31	no
120	28.0	349.9	5.31	no
121	28.0	359.8	5.31	no
122	28.0	369.6	5.31	no
123	28.0	379.5	5.31	no
124	28.0	389.3	5.31	no
125	28.0	399.2	5.31	no
126	28.0	409.0	5.31	no
127	172.0	282.0	5.31	no
128	172.0	291.8	5.31	no
129	172.0	301.5	5.31	no
130	172.0	311.3	5.31	no
131	172.0	321.1	5.31	no
132	172.0	330.8	5.31	no
133	172.0	340.6	5.31	no
134	172.0	350.4	5.31	no
135	172.0	360.2	5.31	no
136	172.0	369.9	5.31	no
137	172.0	379.7	5.31	no
138	172.0	389.5	5.31	no
139	172.0	399.2	5.31	no
140	172.0	409.0	5.31	no
141	28.0	169.0	5.31	no
142	28.0	159.2	5.31	no
143	28.0	149.3	5.31	no
144	28.0	139.5	5.31	no
145	28.0	129.6	5.31	no
146	28.0	119.8	5.31	no
147	28.0	109.9	5.31	no
148	28.0	100.1	5.31	no
149	28.0	90.2	5.31	no
150	28.0	80.4	5.31	no
151	28.0	70.5	5.31	no
152	28.0	60.7	5.31	no
153	28.0	50.8	5.31	no
154	28.0	41.0	5.31	no
155	172.0	169.0	5.31	no
156	172.0	159.2	5.31	no
157	172.0	149.3	5.31	no
158	172.0	139.5	5.31	no
159	172.0	129.6	5.31	no
160	172.0	119.8	5.31	no
161	172.0	109.9	5.31	no
162	172.0	100.1	5.31	no
163	172.0	90.2	5.31	no
164	172.0	80.4	5.31	no
165	172.0	70.5	5.31	no
166	172.0	60.7	5.31	no
167	172.0	50.8	5.31	no
168	172.0	41.0	5.31	no

Normativa di riferimento:

D.M. 17/01/2018 - 'Norme tecniche per le costruzioni'

Note:

Verifiche SLE per ambiente aggressivo

Materiali:

Calcestruzzo classe: C32/40

Rck (resistenza caratteristica cubica a compressione) = 400.00 daN/cm²

fck (resistenza caratteristica cilindrica a compressione) = 332.00 daN/cm²

$f_{cd} = 188.13 \text{ daN/cm}^2$ ($\alpha_{cc} = 0.85$; $\gamma_c = 1.50$)
 f_{ctm} (resistenza a trazione media) = 30.99 daN/cm²
 G (modulo di elasticità tangenziale) = 150191 daN/cm²
 E (modulo elastico istantaneo iniziale) = 336428 daN/cm²
 ν (coefficiente di contrazione trasversale) = 0.20
 Coefficiente di dilatazione termica = 0.000050
 Peso specifico del calcestruzzo armato = 2500 daN/mc

Barre d'acciaio ad aderenza migliorata tipo: B450C

f_{yk} (tensione caratteristica di snervamento) = 4500 daN/cm²
 $f_{yd} = 3913 \text{ daN/cm}^2$ ($\gamma_a = 1.15$)
 f_{kt} (tensione caratteristica di rottura) = 5400 daN/cm²
 ϵ_{uk} (deformazione di rottura) = 0.075
 G (modulo di elasticità tangenziale) = 770000 daN/cm²
 E (modulo elastico) = 2000000 daN/cm²
 ν (coefficiente di contrazione trasversale) = 0.30
 Coefficiente di dilatazione termica = 0.000012
 Peso specifico = 7850 daN/mc

Intersezioni del dominio con gli assi N, Mx e My:

asse N - ($M_x = 0$, $M_y = 0$) $N_u = -3490282 \text{ daN}$
 asse N + ($M_x = 0$, $M_y = 0$) $N_u = 19142595 \text{ daN}$
 asse Mx + ($N = 0$, $M_y = 0$) $M_{xu} = 650984912 \text{ daN cm}$
 asse Mx - ($N = 0$, $M_y = 0$) $M_{xu} = -651275908 \text{ daN cm}$
 asse My + ($N = 0$, $M_x = 0$) $M_{yu} = 298748505 \text{ daN cm}$
 asse My - ($N = 0$, $M_x = 0$) $M_{yu} = -298747050 \text{ daN cm}$

Verifiche stato limite ultimo:

Per ogni combinazione di carico saranno svolte le verifiche:

Verifica per M_{xu} , M_{yu} e N_u proporzionali (sigla t.v.= P)

Verifica con rapporto M_{xu} , M_{yu} assegnato (sigla t.v.= M)

Verifica con N_u costante (sigla t.v.= N)

Verifiche SLU (verifica Ok per $S_d/S_u < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	daN cm	daN cm	daN	daN cm	daN	daN
1	1844450	1.70E+08	4.58E+07	21756	19401	74227
2	2461756	9.87E+07	4.45E+07	30245	18769	78296
3	1999089	1.98E+08	4.63E+07	25296	19635	72875
4	2310105	7.06E+07	4.39E+07	25690	18500	79646
5	2194386	1.35E+08	5.21E+07	-8789	22041	76788
6	2201839	1.32E+08	3.74E+07	58380	15808	77072
7	1849299	1.70E+08	4.40E+07	27490	18630	74587
8	2458096	2.42E+08	4.54E+07	26524	19300	70782
9	2316289	2.70E+08	4.62E+07	26322	19656	69370
10	1991730	1.43E+08	4.32E+07	27796	18278	76000
11	2196724	2.08E+08	5.20E+07	59896	22071	71862
12	2197175	2.06E+08	3.83E+07	-5223	16263	72298
13	1844524	-1.68E+08	5.74E+07	-29517	24956	-72910
14	2461830	-2.39E+08	5.61E+07	-21029	24325	-68841
15	1999163	-1.40E+08	5.79E+07	-25977	25190	-74263
16	2310179	-2.67E+08	5.55E+07	-25584	24056	-67492

17	2194460	-2.03E+08	6.37E+07	-60063	27596	-70349
18	2201913	-2.06E+08	4.90E+07	7107	21364	-70065
19	1849373	-1.67E+08	5.56E+07	-23783	24185	-72550
20	2458170	-9.52E+07	5.70E+07	-24750	24855	-76355
21	2316363	-6.76E+07	5.78E+07	-24952	25211	-77767
22	1991804	-1.95E+08	5.48E+07	-23478	23833	-71138
23	2196798	-1.29E+08	6.36E+07	8622	27627	-75276
24	2197249	-1.31E+08	5.00E+07	-56497	21819	-74839
25	1888906	1.70E+08	4.54E+07	21203	19233	74195
26	2506212	9.91E+07	4.41E+07	29691	18601	78265
27	2043545	1.98E+08	4.59E+07	24743	19467	72843
28	2354561	7.10E+07	4.35E+07	25136	18333	79614
29	2238842	1.35E+08	5.17E+07	-9343	21873	76756
30	2246295	1.32E+08	3.70E+07	57827	15640	77040
31	1893755	1.71E+08	4.36E+07	26937	18462	74555
32	2502552	2.43E+08	4.50E+07	25970	19132	70750
33	2360745	2.70E+08	4.58E+07	25769	19488	69338
34	2036186	1.43E+08	4.28E+07	27242	18110	75968
35	2241180	2.09E+08	5.16E+07	59342	21904	71830
36	2241631	2.06E+08	3.80E+07	-5777	16096	72266
37	1888980	-1.67E+08	5.70E+07	-30071	24788	-72942
38	2506286	-2.38E+08	5.57E+07	-21583	24157	-68873
39	2043620	-1.40E+08	5.75E+07	-26531	25022	-74294
40	2354635	-2.67E+08	5.51E+07	-26138	23888	-67523
41	2238917	-2.02E+08	6.33E+07	-60617	27428	-70381
42	2246369	-2.05E+08	4.86E+07	6553	21196	-70097
43	1893829	-1.67E+08	5.52E+07	-24337	24017	-72582
44	2502626	-9.48E+07	5.66E+07	-25304	24687	-76387
45	2360819	-6.72E+07	5.74E+07	-25505	25043	-77799
46	2036261	-1.95E+08	5.44E+07	-24031	23666	-71169
47	2241254	-1.29E+08	6.32E+07	8068	27459	-75307
48	2241706	-1.31E+08	4.96E+07	-57051	21651	-74871
49	1835778	1.70E+08	4.58E+07	21324	19396	74219
50	2453084	9.87E+07	4.44E+07	29812	18764	78288
51	1990418	1.98E+08	4.63E+07	24864	19630	72866
52	2301434	7.06E+07	4.39E+07	25257	18495	79637
53	2185715	1.35E+08	5.21E+07	-9222	22035	76780
54	2193167	1.32E+08	3.74E+07	57948	15803	77064
55	1840628	1.70E+08	4.40E+07	27058	18625	74579
56	2449424	2.42E+08	4.54E+07	26091	19295	70774
57	2307617	2.70E+08	4.62E+07	25890	19651	69362
58	1983059	1.43E+08	4.32E+07	27364	18273	75992
59	2188052	2.08E+08	5.20E+07	59463	22066	71853
60	2188504	2.06E+08	3.83E+07	-5656	16258	72290
61	1835852	-1.68E+08	5.74E+07	-29950	24951	-72918
62	2453158	-2.39E+08	5.60E+07	-21461	24319	-68849
63	1990492	-1.40E+08	5.79E+07	-26410	25185	-74271
64	2301508	-2.67E+08	5.55E+07	-26016	24051	-67500
65	2185789	-2.03E+08	6.37E+07	-60495	27591	-70358
66	2193241	-2.06E+08	4.90E+07	6674	21358	-70073
67	1840702	-1.67E+08	5.56E+07	-24216	24180	-72559
68	2449498	-9.52E+07	5.70E+07	-25182	24850	-76363
69	2307691	-6.76E+07	5.78E+07	-25384	25206	-77775
70	1983133	-1.95E+08	5.48E+07	-23910	23828	-71146
71	2188127	-1.29E+08	6.36E+07	8189	27622	-75284
72	2188578	-1.31E+08	4.99E+07	-56929	21814	-74848
73	1880235	1.70E+08	4.54E+07	20771	19228	74187
74	2497541	9.91E+07	4.40E+07	29259	18596	78256
75	2034874	1.98E+08	4.59E+07	24310	19462	72835
76	2345890	7.09E+07	4.35E+07	24704	18327	79606
77	2230171	1.35E+08	5.17E+07	-9775	21868	76748
78	2237624	1.32E+08	3.70E+07	57395	15635	77032
79	1885084	1.71E+08	4.36E+07	26505	18457	74547
80	2493881	2.43E+08	4.50E+07	25538	19127	70742
81	2352073	2.70E+08	4.58E+07	25336	19483	69330
82	2027515	1.43E+08	4.28E+07	26810	18105	75960
83	2232509	2.09E+08	5.16E+07	58910	21898	71822
84	2232960	2.06E+08	3.79E+07	-6209	16090	72258

85	1880309	-1.67E+08	5.70E+07	-30503	24783	-72950
86	2497615	-2.38E+08	5.57E+07	-22015	24152	-68881
87	2034948	-1.40E+08	5.75E+07	-26963	25017	-74303
88	2345964	-2.67E+08	5.51E+07	-26570	23883	-67532
89	2230245	-2.02E+08	6.33E+07	-61049	27423	-70389
90	2237698	-2.05E+08	4.86E+07	6121	21191	-70105
91	1885158	-1.67E+08	5.52E+07	-24769	24012	-72590
92	2493955	-9.48E+07	5.66E+07	-25736	24682	-76395
93	2352147	-6.72E+07	5.74E+07	-25937	25038	-77807
94	2027589	-1.95E+08	5.44E+07	-24464	23660	-71177
95	2232583	-1.29E+08	6.32E+07	7636	27454	-75316
96	2233034	-1.31E+08	4.96E+07	-57483	21646	-74879
97	1338668	1.70E+08	4.58E+07	21229	19403	74219
98	1955974	9.87E+07	4.45E+07	29717	18772	78288
99	1493308	1.97E+08	4.63E+07	24769	19637	72866
100	1804324	7.05E+07	4.39E+07	25162	18503	79637
101	1688605	1.35E+08	5.21E+07	-9317	22043	76779
102	1696057	1.32E+08	3.74E+07	57853	15811	77064
103	1343518	1.70E+08	4.40E+07	26963	18632	74578
104	1952314	2.42E+08	4.54E+07	25996	19302	70774
105	1810507	2.70E+08	4.62E+07	25795	19658	69362
106	1485949	1.43E+08	4.32E+07	27269	18281	75991
107	1690943	2.08E+08	5.20E+07	59368	22074	71853
108	1691394	2.06E+08	3.84E+07	-5751	16266	72289
109	1338743	-1.68E+08	5.74E+07	-30045	24959	-72919
110	1956048	-2.39E+08	5.61E+07	-21556	24327	-68850
111	1493382	-1.40E+08	5.79E+07	-26505	25193	-74271
112	1804398	-2.67E+08	5.55E+07	-26111	24058	-67500
113	1688679	-2.03E+08	6.37E+07	-60590	27598	-70358
114	1696131	-2.06E+08	4.90E+07	6579	21366	-70074
115	1343592	-1.67E+08	5.56E+07	-24311	24188	-72559
116	1952389	-9.52E+07	5.70E+07	-25277	24858	-76364
117	1810581	-6.77E+07	5.78E+07	-25479	25214	-77776
118	1486023	-1.95E+08	5.48E+07	-24005	23836	-71146
119	1691017	-1.29E+08	6.36E+07	8095	27629	-75284
120	1691468	-1.31E+08	5.00E+07	-57024	21821	-74848
121	1383125	1.70E+08	4.54E+07	20676	19236	74187
122	2000431	9.90E+07	4.41E+07	29164	18604	78256
123	1537764	1.98E+08	4.59E+07	24215	19470	72834
124	1848780	7.09E+07	4.35E+07	24609	18335	79605
125	1733061	1.35E+08	5.17E+07	-9870	21875	76748
126	1740514	1.32E+08	3.70E+07	57300	15643	77032
127	1387974	1.70E+08	4.36E+07	26410	18464	74547
128	1996771	2.43E+08	4.50E+07	25443	19135	70742
129	1854963	2.70E+08	4.58E+07	25241	19491	69330
130	1530405	1.43E+08	4.28E+07	26715	18113	75960
131	1735399	2.09E+08	5.16E+07	58815	21906	71821
132	1735850	2.06E+08	3.80E+07	-6304	16098	72258
133	1383199	-1.67E+08	5.70E+07	-30598	24791	-72950
134	2000505	-2.39E+08	5.57E+07	-22110	24159	-68881
135	1537838	-1.40E+08	5.75E+07	-27058	25025	-74303
136	1848854	-2.67E+08	5.51E+07	-26665	23890	-67532
137	1733135	-2.02E+08	6.33E+07	-61144	27431	-70390
138	1740588	-2.05E+08	4.87E+07	6026	21198	-70105
139	1388048	-1.67E+08	5.52E+07	-24864	24020	-72591
140	1996845	-9.49E+07	5.66E+07	-25831	24690	-76395
141	1855038	-6.73E+07	5.74E+07	-26032	25046	-77807
142	1530479	-1.95E+08	5.44E+07	-24559	23668	-71178
143	1735473	-1.29E+08	6.32E+07	7541	27461	-75316
144	1735924	-1.31E+08	4.96E+07	-57578	21653	-74880
145	1329997	1.70E+08	4.58E+07	20797	19398	74210
146	1947303	9.86E+07	4.44E+07	29285	18767	78280
147	1484636	1.97E+08	4.63E+07	24337	19632	72858
148	1795652	7.05E+07	4.39E+07	24730	18498	79629
149	1679933	1.35E+08	5.21E+07	-9749	22038	76771
150	1687386	1.32E+08	3.74E+07	57421	15806	77055
151	1334846	1.70E+08	4.40E+07	26531	18627	74570
152	1943643	2.42E+08	4.54E+07	25564	19297	70765

153	1801836	2.70E+08	4.62E+07	25363	19653	69353
154	1477277	1.43E+08	4.32E+07	26836	18275	75983
155	1682271	2.08E+08	5.20E+07	58936	22069	71845
156	1682722	2.06E+08	3.83E+07	-6183	16261	72281
157	1330071	-1.68E+08	5.74E+07	-30477	24954	-72927
158	1947377	-2.39E+08	5.61E+07	-21989	24322	-68858
159	1484710	-1.40E+08	5.79E+07	-26937	25188	-74279
160	1795726	-2.67E+08	5.55E+07	-26544	24053	-67508
161	1680007	-2.03E+08	6.37E+07	-61023	27593	-70366
162	1687460	-2.06E+08	4.90E+07	6147	21361	-70082
163	1334920	-1.67E+08	5.56E+07	-24743	24182	-72567
164	1943717	-9.53E+07	5.70E+07	-25710	24853	-76372
165	1801910	-6.77E+07	5.78E+07	-25911	25209	-77784
166	1477351	-1.95E+08	5.48E+07	-24437	23831	-71154
167	1682345	-1.29E+08	6.36E+07	7662	27624	-75292
168	1682796	-1.32E+08	5.00E+07	-57457	21816	-74856
169	1374453	1.70E+08	4.54E+07	20243	19230	74179
170	1991759	9.90E+07	4.40E+07	28731	18599	78248
171	1529093	1.98E+08	4.59E+07	23783	19464	72826
172	1840108	7.09E+07	4.35E+07	24177	18330	79597
173	1724390	1.35E+08	5.17E+07	-10303	21870	76740
174	1731842	1.32E+08	3.70E+07	56867	15638	77024
175	1379302	1.70E+08	4.36E+07	25977	18459	74539
176	1988099	2.43E+08	4.50E+07	25010	19129	70734
177	1846292	2.70E+08	4.58E+07	24809	19485	69322
178	1521734	1.43E+08	4.28E+07	26283	18108	75951
179	1726727	2.09E+08	5.16E+07	58382	21901	71813
180	1727179	2.06E+08	3.79E+07	-6736	16093	72249
181	1374527	-1.67E+08	5.70E+07	-31030	24786	-72959
182	1991833	-2.39E+08	5.57E+07	-22542	24154	-68889
183	1529167	-1.40E+08	5.75E+07	-27491	25020	-74311
184	1840183	-2.67E+08	5.51E+07	-27097	23885	-67540
185	1724464	-2.02E+08	6.33E+07	-61576	27425	-70398
186	1731916	-2.05E+08	4.86E+07	5594	21193	-70114
187	1379377	-1.67E+08	5.52E+07	-25296	24015	-72599
188	1988173	-9.49E+07	5.66E+07	-26263	24685	-76404
189	1846366	-6.73E+07	5.74E+07	-26465	25041	-77816
190	1521808	-1.95E+08	5.44E+07	-24991	23663	-71186
191	1726801	-1.29E+08	6.32E+07	7109	27456	-75324
192	1727253	-1.31E+08	4.96E+07	-58010	21648	-74888
193	1877375	1.73E+08	1.08E+08	75115	45836	75379
194	2189791	1.36E+08	1.07E+08	79959	45448	77360
195	1951014	1.86E+08	1.08E+08	76495	45923	74786
196	2118383	1.22E+08	1.07E+08	77816	45335	77950
197	2065821	1.54E+08	1.11E+08	57860	47175	76803
198	2068860	1.53E+08	1.03E+08	95406	43868	76938
199	1879931	1.73E+08	1.07E+08	77973	45331	75561
200	2188275	2.11E+08	1.08E+08	76905	45710	73744
201	2120762	2.24E+08	1.08E+08	76643	45876	73109
202	1947898	1.60E+08	1.06E+08	78308	45168	76196
203	2065518	1.93E+08	1.11E+08	95954	47212	74085
204	2067567	1.92E+08	1.04E+08	59417	44133	74313
205	1877449	-1.65E+08	1.20E+08	23841	51392	-71759
206	2189865	-2.02E+08	1.19E+08	28685	51003	-69778
207	1951089	-1.52E+08	1.20E+08	25222	51479	-72351
208	2118457	-2.15E+08	1.18E+08	26542	50890	-69188
209	2065895	-1.83E+08	1.23E+08	6586	52731	-70334
210	2068934	-1.85E+08	1.15E+08	44133	49423	-70199
211	1880005	-1.65E+08	1.18E+08	26699	50886	-71576
212	2188349	-1.27E+08	1.19E+08	25631	51265	-73393
213	2120836	-1.14E+08	1.20E+08	25369	51431	-74028
214	1947972	-1.78E+08	1.18E+08	27034	50724	-70941
215	2065592	-1.45E+08	1.23E+08	44680	52767	-73052
216	2067641	-1.45E+08	1.15E+08	8143	49688	-72824
217	1921831	1.73E+08	1.08E+08	74561	45669	75347
218	2234248	1.36E+08	1.07E+08	79406	45280	77328
219	1995471	1.86E+08	1.08E+08	75942	45755	74754
220	2162840	1.23E+08	1.06E+08	77262	45167	77918

221	2110277	1.55E+08	1.11E+08	57306	47008	76771
222	2113316	1.53E+08	1.03E+08	94853	43700	76906
223	1924387	1.73E+08	1.06E+08	77419	45163	75529
224	2232732	2.11E+08	1.07E+08	76351	45542	73712
225	2165218	2.24E+08	1.08E+08	76089	45708	73078
226	1992354	1.60E+08	1.06E+08	77754	45001	76165
227	2109974	1.93E+08	1.11E+08	95400	47044	74053
228	2112023	1.92E+08	1.03E+08	58864	43965	74281
229	1921905	-1.64E+08	1.19E+08	23287	51224	-71790
230	2234322	-2.02E+08	1.18E+08	28132	50835	-69809
231	1995545	-1.51E+08	1.19E+08	24668	51311	-72383
232	2162914	-2.15E+08	1.18E+08	25989	50722	-69219
233	2110351	-1.83E+08	1.22E+08	6032	52563	-70366
234	2113390	-1.85E+08	1.15E+08	43579	49255	-70231
235	1924461	-1.64E+08	1.18E+08	26145	50718	-71608
236	2232806	-1.26E+08	1.19E+08	25078	51098	-73425
237	2165292	-1.13E+08	1.19E+08	24815	51263	-74060
238	1992428	-1.77E+08	1.18E+08	26480	50556	-70973
239	2110048	-1.44E+08	1.22E+08	44127	52599	-73084
240	2112097	-1.45E+08	1.15E+08	7590	49521	-72856
241	1868703	1.73E+08	1.08E+08	74682	45831	75370
242	2181120	1.36E+08	1.07E+08	79527	45443	77351
243	1942343	1.86E+08	1.08E+08	76063	45918	74778
244	2109712	1.22E+08	1.07E+08	77384	45330	77942
245	2057149	1.54E+08	1.11E+08	57427	47170	76795
246	2060188	1.53E+08	1.03E+08	94974	43863	76930
247	1871259	1.73E+08	1.07E+08	77540	45326	75553
248	2179604	2.11E+08	1.08E+08	76473	45705	73736
249	2112090	2.24E+08	1.08E+08	76210	45870	73101
250	1939226	1.60E+08	1.06E+08	77875	45163	76188
251	2056846	1.93E+08	1.11E+08	95522	47206	74077
252	2058895	1.92E+08	1.04E+08	58985	44128	74305
253	1868777	-1.65E+08	1.20E+08	23409	51387	-71767
254	2181194	-2.02E+08	1.19E+08	28253	50998	-69786
255	1942417	-1.52E+08	1.20E+08	24789	51473	-72359
256	2109786	-2.15E+08	1.18E+08	26110	50885	-69196
257	2057224	-1.83E+08	1.23E+08	6154	52726	-70343
258	2060262	-1.85E+08	1.15E+08	43700	49418	-70208
259	1871333	-1.65E+08	1.18E+08	26267	50881	-71584
260	2179678	-1.27E+08	1.19E+08	25199	51260	-73401
261	2112164	-1.14E+08	1.20E+08	24937	51426	-74036
262	1939300	-1.78E+08	1.18E+08	26602	50719	-70949
263	2056920	-1.45E+08	1.23E+08	44248	52762	-73060
264	2058969	-1.45E+08	1.15E+08	7711	49683	-72833
265	1913160	1.73E+08	1.08E+08	74129	45663	75339
266	2225576	1.36E+08	1.07E+08	78973	45275	77320
267	1986799	1.86E+08	1.08E+08	75510	45750	74746
268	2154168	1.22E+08	1.06E+08	76830	45162	77910
269	2101606	1.55E+08	1.11E+08	56874	47002	76763
270	2104644	1.53E+08	1.03E+08	94421	43695	76898
271	1915716	1.73E+08	1.06E+08	76987	45158	75521
272	2224060	2.11E+08	1.07E+08	75919	45537	73704
273	2156547	2.24E+08	1.08E+08	75657	45703	73069
274	1983682	1.60E+08	1.06E+08	77322	44995	76157
275	2101302	1.93E+08	1.11E+08	94968	47039	74045
276	2103351	1.92E+08	1.03E+08	58431	43960	74273
277	1913234	-1.64E+08	1.19E+08	22855	51219	-71799
278	2225650	-2.02E+08	1.18E+08	27699	50830	-69818
279	1986873	-1.51E+08	1.19E+08	24236	51306	-72391
280	2154242	-2.15E+08	1.18E+08	25556	50717	-69227
281	2101680	-1.83E+08	1.22E+08	5600	52558	-70374
282	2104718	-1.85E+08	1.15E+08	43147	49250	-70239
283	1915790	-1.64E+08	1.18E+08	25713	50713	-71616
284	2224134	-1.26E+08	1.19E+08	24645	51092	-73433
285	2156621	-1.13E+08	1.19E+08	24383	51258	-74068
286	1983757	-1.77E+08	1.18E+08	26048	50551	-70981
287	2101376	-1.44E+08	1.22E+08	43694	52594	-73092
288	2103425	-1.45E+08	1.15E+08	7158	49515	-72864

289	1878348	1.67E+08	-1.69E+07	-27828	-7268	73306
290	2190764	1.30E+08	-1.77E+07	-22984	-7656	75287
291	1951987	1.80E+08	-1.67E+07	-26448	-7181	72713
292	2119356	1.17E+08	-1.80E+07	-25127	-7769	75877
293	2066794	1.49E+08	-1.37E+07	-45083	-5929	74730
294	2069832	1.47E+08	-2.15E+07	-7536	-9237	74865
295	1880904	1.67E+08	-1.81E+07	-24970	-7774	73488
296	2189248	2.05E+08	-1.72E+07	-26038	-7394	71671
297	2121735	2.18E+08	-1.69E+07	-26300	-7229	71037
298	1948870	1.54E+08	-1.84E+07	-24635	-7936	74124
299	2066490	1.88E+08	-1.37E+07	-6989	-5893	72012
300	2068539	1.87E+08	-2.09E+07	-43526	-8971	72240
301	1878422	-1.70E+08	-5266823	-79102	-1713	-73831
302	2190838	-2.07E+08	-6106089	-74258	-2101	-71850
303	1952061	-1.57E+08	-5087658	-77721	-1626	-74424
304	2119430	-2.21E+08	-6345985	-76401	-2214	-71260
305	2066868	-1.89E+08	-2081568	-96357	-374	-72407
306	2069906	-1.90E+08	-9851133	-58810	-3681	-72272
307	1880978	-1.70E+08	-6454230	-76244	-2218	-73649
308	2189322	-1.32E+08	-5636286	-77312	-1839	-75466
309	2121809	-1.19E+08	-5272761	-77574	-1673	-76101
310	1948945	-1.83E+08	-6810343	-75909	-2381	-73014
311	2066564	-1.50E+08	-2075359	-58263	-337	-75125
312	2068613	-1.51E+08	-9307155	-94800	-3416	-74897
313	1922804	1.68E+08	-1.73E+07	-28382	-7436	73274
314	2235220	1.30E+08	-1.81E+07	-23537	-7824	75255
315	1996444	1.81E+08	-1.71E+07	-27001	-7349	72682
316	2163812	1.17E+08	-1.84E+07	-25681	-7937	75845
317	2111250	1.49E+08	-1.41E+07	-45637	-6097	74698
318	2114289	1.48E+08	-2.19E+07	-8090	-9404	74833
319	1925360	1.68E+08	-1.85E+07	-25524	-7941	73456
320	2233704	2.06E+08	-1.76E+07	-26592	-7562	71640
321	2166191	2.19E+08	-1.73E+07	-26854	-7397	71005
322	1993327	1.55E+08	-1.88E+07	-25189	-8104	74092
323	2110947	1.88E+08	-1.41E+07	-7543	-6061	71981
324	2112996	1.87E+08	-2.13E+07	-44079	-9139	72208
325	1922878	-1.70E+08	-5662022	-79656	-1880	-73863
326	2235295	-2.07E+08	-6501288	-74811	-2269	-71882
327	1996518	-1.57E+08	-5482859	-78275	-1794	-74456
328	2163887	-2.20E+08	-6741186	-76954	-2382	-71292
329	2111324	-1.88E+08	-2476768	-96911	-541	-72439
330	2114363	-1.90E+08	-1.02E+07	-59364	-3849	-72304
331	1925434	-1.70E+08	-6849430	-76798	-2386	-73681
332	2233779	-1.32E+08	-6031485	-77865	-2007	-75498
333	2166265	-1.19E+08	-5667961	-78128	-1841	-76132
334	1993401	-1.83E+08	-7205543	-76463	-2548	-73045
335	2111021	-1.50E+08	-2470559	-58816	-505	-75157
336	2113070	-1.51E+08	-9702355	-95353	-3584	-74929
337	1869676	1.67E+08	-1.69E+07	-28261	-7273	73298
338	2182093	1.30E+08	-1.77E+07	-23416	-7661	75279
339	1943316	1.80E+08	-1.67E+07	-26880	-7186	72705
340	2110685	1.17E+08	-1.80E+07	-25559	-7775	75869
341	2058122	1.49E+08	-1.37E+07	-45516	-5934	74722
342	2061161	1.47E+08	-2.15E+07	-7969	-9242	74857
343	1872232	1.67E+08	-1.81E+07	-25403	-7779	73480
344	2180577	2.05E+08	-1.73E+07	-26470	-7399	71663
345	2113063	2.18E+08	-1.69E+07	-26733	-7234	71028
346	1940199	1.54E+08	-1.84E+07	-25068	-7941	74115
347	2057819	1.87E+08	-1.37E+07	-7421	-5898	72004
348	2059868	1.87E+08	-2.09E+07	-43958	-8976	72232
349	1869750	-1.70E+08	-5278952	-79534	-1718	-73840
350	2182167	-2.07E+08	-6118217	-74690	-2106	-71859
351	1943390	-1.57E+08	-5099788	-78154	-1631	-74432
352	2110759	-2.21E+08	-6358115	-76833	-2219	-71269
353	2058196	-1.89E+08	-2093698	-96789	-379	-72415
354	2061235	-1.90E+08	-9863263	-59243	-3686	-72280
355	1872306	-1.70E+08	-6466360	-76676	-2223	-73657
356	2180651	-1.32E+08	-5648415	-77744	-1844	-75474

357	2113137	-1.19E+08	-5284891	-78006	-1679	-76109
358	1940273	-1.83E+08	-6822473	-76341	-2386	-73022
359	2057893	-1.50E+08	-2087489	-58695	-343	-75133
360	2059942	-1.51E+08	-9319285	-95232	-3421	-74905
361	1914132	1.68E+08	-1.73E+07	-28814	-7441	73266
362	2226549	1.30E+08	-1.81E+07	-23970	-7829	75247
363	1987772	1.81E+08	-1.71E+07	-27433	-7354	72673
364	2155141	1.17E+08	-1.84E+07	-26113	-7942	75837
365	2102579	1.49E+08	-1.41E+07	-46069	-6102	74690
366	2105617	1.48E+08	-2.19E+07	-8522	-9410	74825
367	1916688	1.68E+08	-1.85E+07	-25956	-7947	73448
368	2225033	2.06E+08	-1.77E+07	-27024	-7567	71631
369	2157519	2.19E+08	-1.73E+07	-27286	-7402	70997
370	1984655	1.55E+08	-1.88E+07	-25621	-8109	74084
371	2102275	1.88E+08	-1.41E+07	-7975	-6066	71972
372	2104324	1.87E+08	-2.13E+07	-44512	-9144	72200
373	1914207	-1.70E+08	-5674152	-80088	-1886	-73871
374	2226623	-2.07E+08	-6513417	-75243	-2274	-71890
375	1987846	-1.57E+08	-5494988	-78707	-1799	-74464
376	2155215	-2.21E+08	-6753315	-77387	-2387	-71300
377	2102653	-1.88E+08	-2488898	-97343	-547	-72447
378	2105691	-1.90E+08	-1.03E+07	-59796	-3854	-72312
379	1916762	-1.70E+08	-6861560	-77230	-2391	-73689
380	2225107	-1.32E+08	-6043615	-78298	-2012	-75506
381	2157593	-1.19E+08	-5680091	-78560	-1846	-76141
382	1984729	-1.83E+08	-7217672	-76895	-2554	-73054
383	2102349	-1.50E+08	-2482689	-59249	-510	-75165
384	2104398	-1.51E+08	-9714484	-95785	-3589	-74937
385	1877838	1.81E+08	4.47E+07	-102865	18938	78247
386	2190254	1.43E+08	4.39E+07	-98021	18550	80228
387	1951478	1.94E+08	4.49E+07	-101484	19025	77655
388	2118846	1.30E+08	4.36E+07	-100164	18437	80818
389	2066284	1.62E+08	4.79E+07	-120120	20277	79672
390	2069323	1.60E+08	4.01E+07	-82573	16970	79807
391	1880394	1.81E+08	4.35E+07	-100007	18433	78430
392	2188738	2.19E+08	4.43E+07	-101075	18812	76613
393	2121225	2.31E+08	4.47E+07	-101337	18978	75978
394	1948361	1.68E+08	4.32E+07	-99672	18270	79065
395	2065981	2.01E+08	4.79E+07	-82026	20314	76954
396	2068030	2.00E+08	4.07E+07	-118563	17235	77182
397	1877912	-1.57E+08	5.63E+07	-154139	24494	-68890
398	2190328	-1.94E+08	5.55E+07	-149294	24105	-66909
399	1951552	-1.44E+08	5.65E+07	-152758	24581	-69482
400	2118920	-2.08E+08	5.52E+07	-151438	23992	-66319
401	2066358	-1.76E+08	5.95E+07	-171394	25833	-67466
402	2069397	-1.77E+08	5.17E+07	-133847	22525	-67331
403	1880468	-1.57E+08	5.51E+07	-151281	23988	-68708
404	2188812	-1.19E+08	5.59E+07	-152349	24367	-70524
405	2121299	-1.06E+08	5.63E+07	-152611	24533	-71159
406	1948435	-1.70E+08	5.48E+07	-150946	23826	-68072
407	2066055	-1.37E+08	5.95E+07	-133300	25869	-70184
408	2068104	-1.38E+08	5.23E+07	-169836	22790	-69956
409	1922294	1.81E+08	4.43E+07	-103419	18770	78216
410	2234711	1.44E+08	4.35E+07	-98574	18382	80197
411	1995934	1.94E+08	4.45E+07	-102038	18857	77623
412	2163303	1.30E+08	4.32E+07	-100717	18269	80787
413	2110740	1.62E+08	4.75E+07	-120674	20110	79640
414	2113779	1.61E+08	3.97E+07	-83127	16802	79775
415	1924850	1.81E+08	4.31E+07	-100561	18265	78398
416	2233195	2.19E+08	4.39E+07	-101628	18644	76581
417	2165681	2.32E+08	4.43E+07	-101891	18810	75946
418	1992817	1.68E+08	4.28E+07	-100226	18103	79033
419	2110437	2.01E+08	4.75E+07	-82579	20146	76922
420	2112486	2.00E+08	4.03E+07	-119116	17067	77150
421	1922368	-1.57E+08	5.59E+07	-154692	24326	-68922
422	2234785	-1.94E+08	5.51E+07	-149848	23937	-66941
423	1996008	-1.44E+08	5.61E+07	-153311	24413	-69514
424	2163377	-2.07E+08	5.48E+07	-151991	23824	-66351

425	2110814	-1.75E+08	5.91E+07	-171947	25665	-67497
426	2113853	-1.77E+08	5.13E+07	-134400	22357	-67362
427	1924924	-1.57E+08	5.47E+07	-151834	23820	-68739
428	2233269	-1.19E+08	5.56E+07	-152902	24200	-70556
429	2165755	-1.06E+08	5.59E+07	-153164	24365	-71191
430	1992891	-1.70E+08	5.44E+07	-151499	23658	-68104
431	2110511	-1.37E+08	5.91E+07	-133853	25701	-70215
432	2112560	-1.37E+08	5.19E+07	-170390	22623	-69987
433	1869166	1.81E+08	4.47E+07	-103297	18933	78239
434	2181583	1.43E+08	4.39E+07	-98453	18545	80220
435	1942806	1.94E+08	4.49E+07	-101917	19020	77647
436	2110175	1.30E+08	4.36E+07	-100596	18432	80810
437	2057613	1.62E+08	4.79E+07	-120552	20272	79663
438	2060651	1.60E+08	4.01E+07	-83006	16965	79798
439	1871722	1.80E+08	4.35E+07	-100439	18428	78421
440	2180067	2.18E+08	4.43E+07	-101507	18807	76605
441	2112553	2.31E+08	4.47E+07	-101769	18972	75970
442	1939689	1.68E+08	4.31E+07	-100104	18265	79057
443	2057309	2.01E+08	4.79E+07	-82458	20308	76946
444	2059358	2.00E+08	4.07E+07	-118995	17230	77173
445	1869240	-1.57E+08	5.63E+07	-154571	24488	-68898
446	2181657	-1.94E+08	5.55E+07	-149727	24100	-66917
447	1942880	-1.44E+08	5.65E+07	-153190	24575	-69491
448	2110249	-2.08E+08	5.52E+07	-151870	23987	-66327
449	2057687	-1.76E+08	5.95E+07	-171826	25828	-67474
450	2060725	-1.77E+08	5.17E+07	-134279	22520	-67339
451	1871796	-1.57E+08	5.51E+07	-151713	23983	-68716
452	2180141	-1.19E+08	5.59E+07	-152781	24362	-70533
453	2112627	-1.06E+08	5.63E+07	-153043	24528	-71167
454	1939763	-1.70E+08	5.48E+07	-151378	23821	-68080
455	2057383	-1.37E+08	5.95E+07	-133732	25864	-70192
456	2059432	-1.38E+08	5.23E+07	-170269	22785	-69964
457	1913623	1.81E+08	4.43E+07	-103851	18765	78207
458	2226039	1.44E+08	4.35E+07	-99006	18377	80188
459	1987262	1.94E+08	4.45E+07	-102470	18852	77615
460	2154631	1.30E+08	4.32E+07	-101150	18264	80778
461	2102069	1.62E+08	4.75E+07	-121106	20104	79632
462	2105107	1.61E+08	3.97E+07	-83559	16797	79767
463	1916179	1.81E+08	4.31E+07	-100993	18260	78390
464	2224523	2.19E+08	4.39E+07	-102061	18639	76573
465	2157010	2.32E+08	4.43E+07	-102323	18805	75938
466	1984146	1.68E+08	4.28E+07	-100658	18097	79025
467	2101765	2.01E+08	4.75E+07	-83012	20141	76914
468	2103814	2.00E+08	4.03E+07	-119548	17062	77142
469	1913697	-1.57E+08	5.59E+07	-155125	24321	-68930
470	2226113	-1.94E+08	5.51E+07	-150280	23932	-66949
471	1987336	-1.44E+08	5.61E+07	-153744	24408	-69522
472	2154705	-2.07E+08	5.48E+07	-152423	23819	-66359
473	2102143	-1.75E+08	5.91E+07	-172380	25660	-67506
474	2105182	-1.77E+08	5.13E+07	-134833	22352	-67371
475	1916253	-1.57E+08	5.47E+07	-152267	23815	-68748
476	2224597	-1.19E+08	5.55E+07	-153334	24194	-70564
477	2157084	-1.06E+08	5.59E+07	-153597	24360	-71199
478	1984220	-1.70E+08	5.44E+07	-151932	23653	-68112
479	2101840	-1.37E+08	5.91E+07	-134285	25696	-70223
480	2103889	-1.37E+08	5.19E+07	-170822	22617	-69996
481	1877814	1.55E+08	4.58E+07	-137004	19415	68571
482	2190230	1.18E+08	4.50E+07	-132159	19027	70552
483	1951453	1.68E+08	4.60E+07	-135623	19502	67978
484	2118822	1.04E+08	4.48E+07	-134303	18914	71142
485	2066260	1.36E+08	4.90E+07	-154259	20754	69995
486	2069299	1.35E+08	4.12E+07	-116712	17446	70130
487	1880370	1.55E+08	4.46E+07	-134146	18909	68753
488	2188714	1.93E+08	4.55E+07	-135214	19289	66936
489	2121201	2.06E+08	4.58E+07	-135476	19454	66301
490	1948337	1.42E+08	4.43E+07	-133811	18747	69388
491	2065957	1.75E+08	4.90E+07	-116165	20790	67277
492	2068006	1.74E+08	4.18E+07	-152701	17712	67505

493	1877888	-1.83E+08	5.74E+07	-188278	24970	-78567
494	2190304	-2.20E+08	5.66E+07	-183433	24582	-76586
495	1951528	-1.70E+08	5.76E+07	-186897	25057	-79159
496	2118896	-2.33E+08	5.64E+07	-185576	24469	-75996
497	2066334	-2.01E+08	6.06E+07	-205533	26309	-77142
498	2069373	-2.03E+08	5.29E+07	-167986	23002	-77007
499	1880444	-1.83E+08	5.63E+07	-185420	24465	-78384
500	2188788	-1.45E+08	5.71E+07	-186487	24844	-80201
501	2121275	-1.32E+08	5.74E+07	-186750	25009	-80836
502	1948411	-1.96E+08	5.59E+07	-185085	24302	-77749
503	2066031	-1.63E+08	6.06E+07	-167438	26345	-79860
504	2068080	-1.63E+08	5.34E+07	-203975	23267	-79632
505	1922270	1.55E+08	4.54E+07	-137558	19247	68539
506	2234687	1.18E+08	4.46E+07	-132713	18859	70520
507	1995910	1.68E+08	4.56E+07	-136177	19334	67946
508	2163279	1.04E+08	4.44E+07	-134856	18746	71110
509	2110716	1.37E+08	4.86E+07	-154812	20586	69963
510	2113755	1.35E+08	4.08E+07	-117266	17279	70098
511	1924826	1.55E+08	4.42E+07	-134699	18741	68721
512	2233171	1.93E+08	4.51E+07	-135767	19121	66904
513	2165657	2.06E+08	4.54E+07	-136029	19286	66270
514	1992793	1.42E+08	4.39E+07	-134364	18579	69357
515	2110413	1.75E+08	4.86E+07	-116718	20622	67245
516	2112462	1.74E+08	4.14E+07	-153255	17544	67473
517	1922344	-1.82E+08	5.70E+07	-188831	24802	-78598
518	2234761	-2.20E+08	5.62E+07	-183987	24414	-76617
519	1995984	-1.69E+08	5.72E+07	-187450	24889	-79191
520	2163353	-2.33E+08	5.60E+07	-186130	24301	-76027
521	2110790	-2.01E+08	6.02E+07	-206086	26142	-77174
522	2113829	-2.03E+08	5.25E+07	-168539	22834	-77039
523	1924900	-1.82E+08	5.59E+07	-185973	24297	-78416
524	2233245	-1.44E+08	5.67E+07	-187041	24676	-80233
525	2165731	-1.31E+08	5.70E+07	-187303	24842	-80868
526	1992867	-1.95E+08	5.55E+07	-185638	24134	-77781
527	2110487	-1.62E+08	6.02E+07	-167992	26178	-79892
528	2112536	-1.63E+08	5.30E+07	-204529	23099	-79664
529	1869142	1.55E+08	4.58E+07	-137436	19410	68562
530	2181559	1.18E+08	4.50E+07	-132592	19021	70543
531	1942782	1.68E+08	4.60E+07	-136055	19497	67970
532	2110151	1.04E+08	4.47E+07	-134735	18908	71134
533	2057588	1.36E+08	4.90E+07	-154691	20749	69987
534	2060627	1.35E+08	4.12E+07	-117144	17441	70122
535	1871698	1.55E+08	4.46E+07	-134578	18904	68745
536	2180043	1.93E+08	4.54E+07	-135646	19284	66928
537	2112529	2.06E+08	4.58E+07	-135908	19449	66293
538	1939665	1.42E+08	4.43E+07	-134243	18742	69380
539	2057285	1.75E+08	4.90E+07	-116597	20785	67269
540	2059334	1.74E+08	4.18E+07	-153134	17707	67497
541	1869216	-1.83E+08	5.74E+07	-188710	24965	-78575
542	2181633	-2.20E+08	5.66E+07	-183865	24577	-76594
543	1942856	-1.70E+08	5.76E+07	-187329	25052	-79167
544	2110225	-2.33E+08	5.63E+07	-186009	24464	-76004
545	2057663	-2.01E+08	6.06E+07	-205965	26304	-77151
546	2060701	-2.03E+08	5.28E+07	-168418	22997	-77016
547	1871772	-1.83E+08	5.62E+07	-185852	24459	-78392
548	2180117	-1.45E+08	5.71E+07	-186920	24839	-80209
549	2112603	-1.32E+08	5.74E+07	-187182	25004	-80844
550	1939739	-1.96E+08	5.59E+07	-185517	24297	-77757
551	2057359	-1.63E+08	6.06E+07	-167871	26340	-79868
552	2059408	-1.63E+08	5.34E+07	-204407	23262	-79641
553	1913599	1.55E+08	4.54E+07	-137990	19242	68531
554	2226015	1.18E+08	4.46E+07	-133145	18854	70512
555	1987238	1.68E+08	4.56E+07	-136609	19329	67938
556	2154607	1.04E+08	4.43E+07	-135289	18741	71102
557	2102045	1.37E+08	4.86E+07	-155245	20581	69955
558	2105083	1.35E+08	4.08E+07	-117698	17273	70090
559	1916155	1.55E+08	4.42E+07	-135132	18736	68713
560	2224499	1.93E+08	4.51E+07	-136200	19116	66896

561	2156986	2.06E+08	4.54E+07	-136462	19281	66261
562	1984121	1.42E+08	4.39E+07	-134797	18574	69349
563	2101741	1.75E+08	4.86E+07	-117151	20617	67237
564	2103790	1.74E+08	4.14E+07	-153687	17539	67465
565	1913673	-1.82E+08	5.70E+07	-189264	24797	-78607
566	2226089	-2.20E+08	5.62E+07	-184419	24409	-76626
567	1987312	-1.69E+08	5.72E+07	-187883	24884	-79199
568	2154681	-2.33E+08	5.60E+07	-186562	24296	-76035
569	2102119	-2.01E+08	6.02E+07	-206518	26136	-77182
570	2105157	-2.03E+08	5.24E+07	-168972	22829	-77047
571	1916229	-1.82E+08	5.58E+07	-186406	24292	-78424
572	2224573	-1.44E+08	5.67E+07	-187473	24671	-80241
573	2157060	-1.31E+08	5.70E+07	-187735	24836	-80876
574	1984196	-1.95E+08	5.55E+07	-186070	24129	-77789
575	2101815	-1.62E+08	6.02E+07	-168424	26172	-79900
576	2103864	-1.63E+08	5.30E+07	-204961	23094	-79672
577	1877838	2.82E+08	4.13E+07	40656	17304	123401
578	2190254	2.45E+08	4.05E+07	45501	16916	125382
579	1951477	2.95E+08	4.15E+07	42037	17391	122809
580	2118846	2.32E+08	4.03E+07	43357	16803	125972
581	2066284	2.64E+08	4.45E+07	23401	18644	124826
582	2069323	2.62E+08	3.68E+07	60948	15336	124961
583	1880394	2.82E+08	4.02E+07	43514	16799	123584
584	2188738	3.20E+08	4.10E+07	42446	17178	121767
585	2121225	3.33E+08	4.13E+07	42184	17344	121132
586	1948361	2.69E+08	3.98E+07	43849	16636	124219
587	2065981	3.02E+08	4.45E+07	61495	18680	122108
588	2068029	3.02E+08	3.73E+07	24959	15601	122336
589	1877961	-2.80E+08	6.07E+07	-44800	26563	-121827
590	2190378	-3.18E+08	5.99E+07	-39956	26175	-119846
591	1951601	-2.67E+08	6.09E+07	-43419	26650	-122420
592	2118970	-3.31E+08	5.96E+07	-42099	26062	-119256
593	2066407	-2.99E+08	6.39E+07	-62055	27902	-120403
594	2069446	-3.00E+08	5.61E+07	-24508	24595	-120268
595	1880517	-2.80E+08	5.95E+07	-41942	26058	-121645
596	2188862	-2.42E+08	6.03E+07	-43010	26437	-123462
597	2121348	-2.29E+08	6.07E+07	-43272	26602	-124097
598	1948484	-2.93E+08	5.92E+07	-41607	25895	-121010
599	2066104	-2.60E+08	6.39E+07	-23961	27938	-123121
600	2068153	-2.61E+08	5.67E+07	-60497	24860	-122893
601	1922294	2.83E+08	4.10E+07	40103	17137	123370
602	2234711	2.45E+08	4.01E+07	44947	16748	125351
603	1995934	2.96E+08	4.11E+07	41483	17223	122777
604	2163303	2.32E+08	3.99E+07	42804	16635	125941
605	2110740	2.64E+08	4.41E+07	22848	18476	124794
606	2113779	2.62E+08	3.64E+07	60394	15168	124929
607	1924850	2.83E+08	3.98E+07	42961	16631	123552
608	2233195	3.21E+08	4.06E+07	41893	17010	121735
609	2165681	3.34E+08	4.09E+07	41631	17176	121100
610	1992817	2.70E+08	3.94E+07	43296	16469	124187
611	2110437	3.03E+08	4.41E+07	60942	18512	122076
612	2112486	3.02E+08	3.69E+07	24405	15433	122304
613	1922418	-2.80E+08	6.03E+07	-45354	26395	-121859
614	2234834	-3.17E+08	5.95E+07	-40509	26007	-119878
615	1996057	-2.67E+08	6.05E+07	-43973	26482	-122452
616	2163426	-3.31E+08	5.92E+07	-42652	25894	-119288
617	2110864	-2.98E+08	6.35E+07	-62609	27735	-120435
618	2113902	-3.00E+08	5.57E+07	-25062	24427	-120300
619	1924974	-2.80E+08	5.91E+07	-42496	25890	-121677
620	2233318	-2.42E+08	5.99E+07	-43563	26269	-123494
621	2165804	-2.29E+08	6.03E+07	-43825	26435	-124128
622	1992940	-2.93E+08	5.88E+07	-42160	25727	-121041
623	2110560	-2.60E+08	6.35E+07	-24514	27771	-123153
624	2112609	-2.61E+08	5.63E+07	-61051	24692	-122925
625	1869166	2.82E+08	4.13E+07	40224	17299	123393
626	2181583	2.45E+08	4.05E+07	45068	16911	125374
627	1942806	2.95E+08	4.15E+07	41605	17386	122801
628	2110175	2.32E+08	4.03E+07	42925	16798	125964

629	2057612	2.64E+08	4.45E+07	22969	18638	124817
630	2060651	2.62E+08	3.68E+07	60516	15331	124952
631	1871722	2.82E+08	4.01E+07	43082	16794	123576
632	2180067	3.20E+08	4.10E+07	42014	17173	121759
633	2112553	3.33E+08	4.13E+07	41752	17338	121124
634	1939689	2.69E+08	3.98E+07	43417	16631	124211
635	2057309	3.02E+08	4.45E+07	61063	18674	122100
636	2059358	3.02E+08	3.73E+07	24526	15596	122327
637	1869290	-2.80E+08	6.07E+07	-45232	26558	-121836
638	2181706	-3.18E+08	5.98E+07	-40388	26170	-119855
639	1942929	-2.67E+08	6.09E+07	-43851	26645	-122428
640	2110298	-3.31E+08	5.96E+07	-42531	26057	-119264
641	2057736	-2.99E+08	6.39E+07	-62487	27897	-120411
642	2060775	-3.00E+08	5.61E+07	-24940	24590	-120276
643	1871846	-2.80E+08	5.95E+07	-42374	26052	-121653
644	2180190	-2.42E+08	6.03E+07	-43442	26432	-123470
645	2112677	-2.29E+08	6.07E+07	-43704	26597	-124105
646	1939813	-2.93E+08	5.91E+07	-42039	25890	-121018
647	2057433	-2.60E+08	6.39E+07	-24393	27933	-123129
648	2059481	-2.61E+08	5.66E+07	-60930	24855	-122901
649	1913623	2.83E+08	4.09E+07	39670	17131	123361
650	2226039	2.45E+08	4.01E+07	44515	16743	125342
651	1987262	2.96E+08	4.11E+07	41051	17218	122769
652	2154631	2.32E+08	3.99E+07	42371	16630	125933
653	2102069	2.64E+08	4.41E+07	22415	18471	124786
654	2105107	2.62E+08	3.64E+07	59962	15163	124921
655	1916179	2.83E+08	3.98E+07	42528	16626	123544
656	2224523	3.21E+08	4.06E+07	41461	17005	121727
657	2157009	3.34E+08	4.09E+07	41198	17171	121092
658	1984145	2.70E+08	3.94E+07	42863	16463	124179
659	2101765	3.03E+08	4.41E+07	60510	18507	122068
660	2103814	3.02E+08	3.69E+07	23973	15428	122296
661	1913746	-2.80E+08	6.03E+07	-45786	26390	-121867
662	2226163	-3.17E+08	5.95E+07	-40941	26002	-119886
663	1987386	-2.67E+08	6.05E+07	-44405	26477	-122460
664	2154755	-3.31E+08	5.92E+07	-43085	25889	-119296
665	2102192	-2.98E+08	6.35E+07	-63041	27729	-120443
666	2105231	-3.00E+08	5.57E+07	-25494	24422	-120308
667	1916302	-2.80E+08	5.91E+07	-42928	25885	-121685
668	2224647	-2.42E+08	5.99E+07	-43996	26264	-123502
669	2157133	-2.29E+08	6.03E+07	-44258	26430	-124137
670	1984269	-2.93E+08	5.87E+07	-42593	25722	-121049
671	2101889	-2.60E+08	6.35E+07	-24947	27765	-123161
672	2103938	-2.61E+08	5.63E+07	-61483	24687	-122933
673	1880749	1.71E+08	7.96E+07	22387	33915	74921
674	2193166	1.34E+08	7.87E+07	27231	33527	76902
675	1954389	1.84E+08	7.97E+07	23768	34002	74328
676	2121758	1.21E+08	7.85E+07	25088	33414	77492
677	2069195	1.53E+08	8.27E+07	5132	35254	76345
678	2072234	1.51E+08	7.50E+07	42679	31946	76480
679	1883305	1.71E+08	7.84E+07	25245	33409	75103
680	2191650	2.09E+08	7.92E+07	24177	33789	73286
681	2124136	2.22E+08	7.95E+07	23915	33954	72651
682	1951272	1.58E+08	7.80E+07	25580	33247	75739
683	2068892	1.92E+08	8.27E+07	43226	35290	73627
684	2070941	1.91E+08	7.55E+07	6689	32212	73855
685	1880823	-1.66E+08	9.12E+07	-28887	39470	-72217
686	2193240	-2.03E+08	9.03E+07	-24043	39082	-70236
687	1954463	-1.53E+08	9.13E+07	-27506	39557	-72809
688	2121832	-2.17E+08	9.01E+07	-26186	38969	-69645
689	2069270	-1.85E+08	9.44E+07	-46142	40809	-70792
690	2072308	-1.86E+08	8.66E+07	-8595	37502	-70657
691	1883379	-1.66E+08	9.00E+07	-26029	38965	-72034
692	2191724	-1.28E+08	9.08E+07	-27097	39344	-73851
693	2124210	-1.15E+08	9.12E+07	-27359	39510	-74486
694	1951346	-1.79E+08	8.96E+07	-25694	38802	-71399
695	2068966	-1.46E+08	9.44E+07	-8048	40846	-73510
696	2071015	-1.47E+08	8.71E+07	-44584	37767	-73282

697	1925206	1.72E+08	7.92E+07	21833	33747	74889
698	2237622	1.35E+08	7.83E+07	26678	33359	76870
699	1998845	1.85E+08	7.93E+07	23214	33834	74296
700	2166214	1.21E+08	7.81E+07	24534	33246	77460
701	2113652	1.53E+08	8.23E+07	4578	35086	76313
702	2116690	1.52E+08	7.46E+07	42125	31779	76448
703	1927762	1.72E+08	7.80E+07	24691	33242	75071
704	2236106	2.10E+08	7.88E+07	23623	33621	73254
705	2168593	2.23E+08	7.92E+07	23361	33786	72620
706	1995728	1.59E+08	7.76E+07	25026	33079	75707
707	2113348	1.92E+08	8.24E+07	42672	35122	73595
708	2115397	1.91E+08	7.51E+07	6136	32044	73823
709	1925280	-1.66E+08	9.08E+07	-29441	39303	-72248
710	2237696	-2.03E+08	8.99E+07	-24596	38914	-70267
711	1998919	-1.53E+08	9.09E+07	-28060	39389	-72841
712	2166288	-2.16E+08	8.97E+07	-26739	38801	-69677
713	2113726	-1.84E+08	9.40E+07	-46696	40642	-70824
714	2116764	-1.86E+08	8.62E+07	-9149	37334	-70689
715	1927836	-1.66E+08	8.96E+07	-26583	38797	-72066
716	2236180	-1.28E+08	9.04E+07	-27650	39176	-73883
717	2168667	-1.15E+08	9.08E+07	-27912	39342	-74518
718	1995803	-1.79E+08	8.92E+07	-26247	38635	-71430
719	2113422	-1.46E+08	9.40E+07	-8601	40678	-73542
720	2115471	-1.46E+08	8.67E+07	-45138	37599	-73314
721	1866297	1.71E+08	7.95E+07	21666	33906	74907
722	2178713	1.34E+08	7.87E+07	26511	33518	76888
723	1939936	1.84E+08	7.97E+07	23047	33993	74315
724	2107305	1.21E+08	7.85E+07	24367	33405	77478
725	2054743	1.53E+08	8.27E+07	4411	35246	76331
726	2057782	1.51E+08	7.49E+07	41958	31938	76466
727	1868853	1.71E+08	7.83E+07	24524	33401	75089
728	2177197	2.09E+08	7.92E+07	23456	33780	73273
729	2109684	2.22E+08	7.95E+07	23194	33946	72638
730	1936820	1.58E+08	7.80E+07	24859	33239	75725
731	2054440	1.92E+08	8.27E+07	42505	35282	73614
732	2056489	1.91E+08	7.55E+07	5969	32203	73841
733	1866371	-1.66E+08	9.11E+07	-29608	39462	-72230
734	2178787	-2.03E+08	9.03E+07	-24763	39073	-70249
735	1940011	-1.53E+08	9.13E+07	-28227	39549	-72823
736	2107379	-2.17E+08	9.01E+07	-26906	38960	-69659
737	2054817	-1.85E+08	9.43E+07	-46862	40801	-70806
738	2057856	-1.86E+08	8.66E+07	-9316	37493	-70671
739	1868927	-1.66E+08	9.00E+07	-26750	38956	-72048
740	2177271	-1.28E+08	9.08E+07	-27817	39336	-73865
741	2109758	-1.15E+08	9.11E+07	-28079	39501	-74499
742	1936894	-1.79E+08	8.96E+07	-26414	38794	-71412
743	2054514	-1.46E+08	9.43E+07	-8768	40837	-73524
744	2056563	-1.47E+08	8.71E+07	-45305	37759	-73296
745	1910753	1.72E+08	7.91E+07	21113	33739	74875
746	2223170	1.35E+08	7.83E+07	25957	33350	76856
747	1984393	1.85E+08	7.93E+07	22493	33825	74283
748	2151762	1.21E+08	7.81E+07	23814	33237	77446
749	2099199	1.53E+08	8.23E+07	3858	35078	76300
750	2102238	1.52E+08	7.46E+07	41405	31770	76435
751	1913309	1.72E+08	7.80E+07	23971	33233	75058
752	2221654	2.10E+08	7.88E+07	22903	33612	73241
753	2154140	2.23E+08	7.91E+07	22641	33778	72606
754	1981276	1.59E+08	7.76E+07	24306	33071	75693
755	2098896	1.92E+08	8.23E+07	41952	35114	73582
756	2100945	1.91E+08	7.51E+07	5415	32035	73810
757	1910827	-1.66E+08	9.07E+07	-30161	39294	-72262
758	2223244	-2.03E+08	8.99E+07	-25317	38906	-70281
759	1984467	-1.53E+08	9.09E+07	-28780	39381	-72854
760	2151836	-2.16E+08	8.97E+07	-27460	38792	-69691
761	2099273	-1.84E+08	9.39E+07	-47416	40633	-70838
762	2102312	-1.86E+08	8.62E+07	-9869	37325	-70703
763	1913383	-1.66E+08	8.96E+07	-27303	38788	-72080
764	2221728	-1.28E+08	9.04E+07	-28371	39168	-73896

765	2154214	-1.15E+08	9.07E+07	-28633	39333	-74531
766	1981350	-1.79E+08	8.92E+07	-26968	38626	-71444
767	2098970	-1.46E+08	9.39E+07	-9322	40669	-73555
768	2101019	-1.46E+08	8.67E+07	-45859	37591	-73328
769	1844457	1.66E+08	-5.63E+07	25958	-24486	72500
770	2461763	9.48E+07	-5.76E+07	34446	-25118	76569
771	1999096	1.94E+08	-5.58E+07	29498	-24252	71147
772	2310112	6.66E+07	-5.82E+07	29891	-25387	77918
773	2194393	1.31E+08	-5.00E+07	-4588	-21847	75061
774	2201846	1.28E+08	-6.47E+07	62582	-28079	75345
775	1849306	1.66E+08	-5.81E+07	31692	-25258	72860
776	2458103	2.38E+08	-5.67E+07	30725	-24587	69055
777	2316296	2.66E+08	-5.59E+07	30524	-24231	67643
778	1991737	1.39E+08	-5.89E+07	31998	-25609	74272
779	2196731	2.04E+08	-5.01E+07	64097	-21816	70134
780	2197182	2.02E+08	-6.37E+07	-1022	-27624	70570
781	1844531	-1.71E+08	-4.47E+07	-25316	-18931	-74637
782	2461837	-2.43E+08	-4.60E+07	-16828	-19563	-70568
783	1999170	-1.44E+08	-4.42E+07	-21776	-18697	-75990
784	2310186	-2.71E+08	-4.66E+07	-21382	-19832	-69219
785	2194467	-2.07E+08	-3.84E+07	-55862	-16291	-72077
786	2201920	-2.10E+08	-5.31E+07	11308	-22524	-71793
787	1849380	-1.71E+08	-4.65E+07	-19582	-19702	-74278
788	2458177	-9.91E+07	-4.51E+07	-20549	-19032	-78083
789	2316370	-7.15E+07	-4.43E+07	-20750	-18676	-79495
790	1991811	-1.99E+08	-4.73E+07	-19276	-20054	-72865
791	2196805	-1.33E+08	-3.85E+07	12823	-16261	-77003
792	2197257	-1.35E+08	-5.21E+07	-52296	-22069	-76567
793	1888913	1.66E+08	-5.67E+07	25404	-24654	72468
794	2506219	9.51E+07	-5.80E+07	33893	-25286	76537
795	2043553	1.94E+08	-5.62E+07	28944	-24420	71115
796	2354569	6.70E+07	-5.86E+07	29338	-25555	77887
797	2238850	1.31E+08	-5.04E+07	-5141	-22015	75029
798	2246302	1.28E+08	-6.51E+07	62028	-28247	75313
799	1893763	1.67E+08	-5.85E+07	31138	-25425	72828
800	2502559	2.39E+08	-5.71E+07	30172	-24755	69023
801	2360752	2.66E+08	-5.63E+07	29970	-24399	67611
802	2036194	1.39E+08	-5.93E+07	31444	-25777	74241
803	2241188	2.05E+08	-5.05E+07	63543	-21984	70103
804	2241639	2.03E+08	-6.41E+07	-1575	-27792	70539
805	1888988	-1.71E+08	-4.51E+07	-25869	-19099	-74669
806	2506293	-2.42E+08	-4.64E+07	-17381	-19731	-70600
807	2043627	-1.44E+08	-4.46E+07	-22329	-18865	-76022
808	2354643	-2.71E+08	-4.70E+07	-21936	-19999	-69251
809	2238924	-2.06E+08	-3.88E+07	-56415	-16459	-72108
810	2246377	-2.09E+08	-5.34E+07	10755	-22692	-71824
811	1893837	-1.71E+08	-4.69E+07	-20135	-19870	-74309
812	2502634	-9.88E+07	-4.55E+07	-21102	-19200	-78114
813	2360826	-7.12E+07	-4.47E+07	-21304	-18844	-79526
814	2036268	-1.99E+08	-4.77E+07	-19830	-20222	-72897
815	2241262	-1.33E+08	-3.89E+07	12270	-16428	-77035
816	2241713	-1.35E+08	-5.25E+07	-52849	-22236	-76599
817	1835786	1.66E+08	-5.63E+07	25526	-24492	72492
818	2453091	9.47E+07	-5.77E+07	34014	-25123	76561
819	1990425	1.94E+08	-5.58E+07	29065	-24258	71139
820	2301441	6.66E+07	-5.82E+07	29459	-25392	77910
821	2185722	1.31E+08	-5.00E+07	-5020	-21852	75052
822	2193175	1.28E+08	-6.47E+07	62150	-28084	75337
823	1840635	1.66E+08	-5.81E+07	31260	-25263	72851
824	2449432	2.38E+08	-5.67E+07	30293	-24592	69047
825	2307624	2.66E+08	-5.59E+07	30091	-24237	67635
826	1983066	1.39E+08	-5.89E+07	31565	-25614	74264
827	2188060	2.04E+08	-5.01E+07	63665	-21821	70126
828	2188511	2.02E+08	-6.38E+07	-1454	-27629	70562
829	1835860	-1.72E+08	-4.47E+07	-25748	-18936	-74646
830	2453166	-2.43E+08	-4.60E+07	-17260	-19568	-70577
831	1990499	-1.44E+08	-4.42E+07	-22208	-18702	-75998
832	2301515	-2.71E+08	-4.66E+07	-21815	-19837	-69227

833	2185796	-2.07E+08	-3.84E+07	-56294	-16297	-72085
834	2193249	-2.10E+08	-5.31E+07	10876	-22529	-71801
835	1840709	-1.71E+08	-4.65E+07	-20014	-19707	-74286
836	2449506	-9.91E+07	-4.51E+07	-20981	-19037	-78091
837	2307698	-7.16E+07	-4.43E+07	-21182	-18681	-79503
838	1983140	-1.99E+08	-4.73E+07	-19709	-20059	-72873
839	2188134	-1.33E+08	-3.85E+07	12391	-16266	-77011
840	2188585	-1.35E+08	-5.21E+07	-52728	-22074	-76575
841	1880242	1.66E+08	-5.67E+07	24972	-24659	72460
842	2497548	9.51E+07	-5.80E+07	33460	-25291	76529
843	2034881	1.94E+08	-5.62E+07	28512	-24425	71107
844	2345897	6.70E+07	-5.86E+07	28905	-25560	77878
845	2230178	1.31E+08	-5.04E+07	-5574	-22020	75021
846	2237631	1.28E+08	-6.51E+07	61596	-28252	75305
847	1885091	1.67E+08	-5.85E+07	30706	-25431	72820
848	2493888	2.39E+08	-5.71E+07	29739	-24760	69015
849	2352081	2.66E+08	-5.63E+07	29538	-24404	67603
850	2027522	1.39E+08	-5.93E+07	31012	-25782	74233
851	2232516	2.05E+08	-5.05E+07	63111	-21989	70094
852	2232967	2.03E+08	-6.41E+07	-2008	-27797	70531
853	1880316	-1.71E+08	-4.51E+07	-26302	-19104	-74677
854	2497622	-2.42E+08	-4.64E+07	-17813	-19736	-70608
855	2034955	-1.44E+08	-4.46E+07	-22762	-18870	-76030
856	2345971	-2.71E+08	-4.70E+07	-22368	-20005	-69259
857	2230252	-2.06E+08	-3.88E+07	-56847	-16464	-72117
858	2237705	-2.09E+08	-5.35E+07	10322	-22697	-71832
859	1885165	-1.71E+08	-4.69E+07	-20568	-19875	-74318
860	2493962	-9.88E+07	-4.55E+07	-21534	-19205	-78122
861	2352155	-7.12E+07	-4.47E+07	-21736	-18849	-79534
862	2027596	-1.99E+08	-4.77E+07	-20262	-20227	-72905
863	2232590	-1.33E+08	-3.89E+07	11837	-16434	-77043
864	2233041	-1.35E+08	-5.25E+07	-53281	-22242	-76607
865	1338676	1.66E+08	-5.63E+07	25431	-24484	72491
866	1955982	9.47E+07	-5.76E+07	33919	-25115	76560
867	1493315	1.94E+08	-5.58E+07	28971	-24250	71139
868	1804331	6.66E+07	-5.82E+07	29364	-25384	77910
869	1688612	1.31E+08	-5.00E+07	-5115	-21844	75052
870	1696065	1.28E+08	-6.47E+07	62055	-28077	75336
871	1343525	1.66E+08	-5.81E+07	31165	-25255	72851
872	1952322	2.38E+08	-5.67E+07	30198	-24585	69046
873	1810514	2.66E+08	-5.59E+07	29996	-24229	67634
874	1485956	1.39E+08	-5.89E+07	31470	-25607	74264
875	1690950	2.04E+08	-5.01E+07	63570	-21813	70126
876	1691401	2.02E+08	-6.37E+07	-1549	-27621	70562
877	1338750	-1.72E+08	-4.47E+07	-25843	-18929	-74646
878	1956056	-2.43E+08	-4.60E+07	-17355	-19560	-70577
879	1493389	-1.44E+08	-4.42E+07	-22303	-18695	-75999
880	1804405	-2.71E+08	-4.66E+07	-21910	-19829	-69227
881	1688686	-2.07E+08	-3.84E+07	-56389	-16289	-72085
882	1696139	-2.10E+08	-5.30E+07	10781	-22521	-71801
883	1343599	-1.71E+08	-4.65E+07	-20109	-19700	-74286
884	1952396	-9.92E+07	-4.51E+07	-21076	-19030	-78091
885	1810588	-7.16E+07	-4.43E+07	-21277	-18674	-79503
886	1486030	-1.99E+08	-4.73E+07	-19803	-20051	-72873
887	1691024	-1.33E+08	-3.85E+07	12296	-16258	-77011
888	1691475	-1.35E+08	-5.21E+07	-52823	-22066	-76575
889	1383132	1.66E+08	-5.67E+07	24877	-24652	72460
890	2000438	9.51E+07	-5.80E+07	33365	-25283	76529
891	1537771	1.94E+08	-5.62E+07	28417	-24418	71107
892	1848787	6.69E+07	-5.86E+07	28810	-25552	77878
893	1733068	1.31E+08	-5.04E+07	-5669	-22012	75020
894	1740521	1.28E+08	-6.51E+07	61501	-28244	75304
895	1387981	1.67E+08	-5.85E+07	30611	-25423	72819
896	1996778	2.39E+08	-5.71E+07	29644	-24753	69015
897	1854971	2.66E+08	-5.63E+07	29443	-24397	67603
898	1530412	1.39E+08	-5.93E+07	30917	-25774	74232
899	1735406	2.05E+08	-5.05E+07	63016	-21981	70094
900	1735857	2.02E+08	-6.41E+07	-2103	-27789	70530

901	1383206	-1.71E+08	-4.51E+07	-26397	-19096	-74678
902	2000512	-2.42E+08	-4.64E+07	-17908	-19728	-70609
903	1537845	-1.44E+08	-4.46E+07	-22857	-18862	-76030
904	1848861	-2.71E+08	-4.70E+07	-22463	-19997	-69259
905	1733142	-2.06E+08	-3.88E+07	-56942	-16457	-72117
906	1740595	-2.09E+08	-5.34E+07	10227	-22689	-71833
907	1388055	-1.71E+08	-4.69E+07	-20663	-19868	-74318
908	1996852	-9.88E+07	-4.55E+07	-21629	-19197	-78123
909	1855045	-7.12E+07	-4.47E+07	-21831	-18841	-79535
910	1530486	-1.99E+08	-4.77E+07	-20357	-20219	-72905
911	1735480	-1.33E+08	-3.89E+07	11742	-16426	-77043
912	1735931	-1.35E+08	-5.25E+07	-53376	-22234	-76607
913	1330004	1.66E+08	-5.63E+07	24998	-24489	72483
914	1947310	9.47E+07	-5.76E+07	33487	-25121	76552
915	1484643	1.94E+08	-5.58E+07	28538	-24255	71130
916	1795659	6.66E+07	-5.82E+07	28932	-25390	77902
917	1679940	1.31E+08	-5.00E+07	-5547	-21849	75044
918	1687393	1.28E+08	-6.47E+07	61622	-28082	75328
919	1334853	1.66E+08	-5.81E+07	30732	-25260	72843
920	1943650	2.38E+08	-5.67E+07	29766	-24590	69038
921	1801843	2.66E+08	-5.59E+07	29564	-24234	67626
922	1477284	1.39E+08	-5.89E+07	31038	-25612	74256
923	1682278	2.04E+08	-5.01E+07	63137	-21819	70118
924	1682730	2.02E+08	-6.37E+07	-1981	-27626	70554
925	1330078	-1.72E+08	-4.47E+07	-26275	-18934	-74654
926	1947384	-2.43E+08	-4.60E+07	-17787	-19565	-70585
927	1484718	-1.44E+08	-4.42E+07	-22736	-18700	-76007
928	1795733	-2.71E+08	-4.66E+07	-22342	-19834	-69236
929	1680015	-2.07E+08	-3.84E+07	-56821	-16294	-72093
930	1687467	-2.10E+08	-5.31E+07	10349	-22526	-71809
931	1334928	-1.71E+08	-4.65E+07	-20541	-19705	-74294
932	1943724	-9.92E+07	-4.51E+07	-21508	-19035	-78099
933	1801917	-7.16E+07	-4.43E+07	-21710	-18679	-79511
934	1477359	-1.99E+08	-4.73E+07	-20236	-20056	-72882
935	1682352	-1.33E+08	-3.85E+07	11864	-16263	-77020
936	1682804	-1.35E+08	-5.21E+07	-53255	-22071	-76584
937	1374461	1.66E+08	-5.67E+07	24445	-24657	72451
938	1991766	9.51E+07	-5.80E+07	32933	-25288	76521
939	1529100	1.94E+08	-5.62E+07	27985	-24423	71099
940	1840116	6.69E+07	-5.86E+07	28378	-25557	77870
941	1724397	1.31E+08	-5.04E+07	-6101	-22017	75012
942	1731850	1.28E+08	-6.51E+07	61069	-28250	75296
943	1379310	1.67E+08	-5.85E+07	30179	-25428	72811
944	1988107	2.39E+08	-5.71E+07	29212	-24758	69006
945	1846299	2.66E+08	-5.63E+07	29011	-24402	67594
946	1521741	1.39E+08	-5.93E+07	30484	-25780	74224
947	1726735	2.05E+08	-5.05E+07	62584	-21986	70086
948	1727186	2.02E+08	-6.41E+07	-2535	-27794	70522
949	1374535	-1.71E+08	-4.51E+07	-26829	-19102	-74686
950	1991841	-2.42E+08	-4.64E+07	-18341	-19733	-70617
951	1529174	-1.44E+08	-4.46E+07	-23289	-18868	-76039
952	1840190	-2.71E+08	-4.70E+07	-22896	-20002	-69267
953	1724471	-2.06E+08	-3.88E+07	-57375	-16462	-72125
954	1731924	-2.09E+08	-5.35E+07	9795	-22694	-71841
955	1379384	-1.71E+08	-4.69E+07	-21095	-19873	-74326
956	1988181	-9.88E+07	-4.55E+07	-22062	-19203	-78131
957	1846373	-7.13E+07	-4.47E+07	-22263	-18847	-79543
958	1521815	-1.99E+08	-4.77E+07	-20789	-20224	-72913
959	1726809	-1.33E+08	-3.89E+07	11310	-16431	-77051
960	1727260	-1.35E+08	-5.25E+07	-53809	-22239	-76615
961	1877382	1.69E+08	5824203	79316	1949	73651
962	2189799	1.32E+08	4984937	84161	1561	75632
963	1951022	1.82E+08	6003367	80697	2036	73059
964	2118391	1.18E+08	4745040	82017	1448	76222
965	2065828	1.50E+08	9009456	62061	3288	75076
966	2068867	1.49E+08	1239892	99608	-19	75210
967	1879938	1.69E+08	4636794	82174	1444	73834
968	2188282	2.07E+08	5454739	81106	1823	72017

969	2120769	2.20E+08	5818263	80844	1988	71382
970	1947905	1.56E+08	4280682	82509	1281	74469
971	2065525	1.89E+08	9015666	100155	3324	72358
972	2067574	1.88E+08	1783870	63619	246	72585
973	1877456	-1.69E+08	1.74E+07	28042	7504	-73486
974	2189873	-2.06E+08	1.66E+07	32887	7116	-71505
975	1951096	-1.56E+08	1.76E+07	29423	7591	-74079
976	2118465	-2.19E+08	1.64E+07	30744	7003	-70915
977	2065902	-1.87E+08	2.06E+07	10787	8844	-72062
978	2068941	-1.89E+08	1.29E+07	48334	5536	-71927
979	1880012	-1.69E+08	1.62E+07	30900	6999	-73304
980	2188357	-1.31E+08	1.71E+07	29833	7378	-75121
981	2120843	-1.18E+08	1.74E+07	29571	7544	-75755
982	1947979	-1.82E+08	1.59E+07	31236	6837	-72668
983	2065599	-1.49E+08	2.06E+07	48882	8880	-74780
984	2067648	-1.49E+08	1.34E+07	12345	5801	-74552
985	1921838	1.69E+08	5429002	78763	1781	73620
986	2234255	1.32E+08	4589737	83607	1393	75601
987	1995478	1.82E+08	5608167	80143	1868	73027
988	2162847	1.19E+08	4349840	81464	1280	76191
989	2110285	1.51E+08	8614257	61508	3120	75044
990	2113323	1.49E+08	844692	99054	-187	75179
991	1924394	1.69E+08	4241594	81621	1276	73802
992	2232739	2.07E+08	5059539	80553	1655	71985
993	2165225	2.20E+08	5423063	80291	1821	71350
994	1992361	1.56E+08	3885482	81956	1113	74437
995	2109981	1.89E+08	8620466	99602	3157	72326
996	2112030	1.89E+08	1388670	63065	78	72554
997	1921912	-1.68E+08	1.70E+07	27489	7337	-73518
998	2234329	-2.06E+08	1.62E+07	32333	6948	-71537
999	1995552	-1.55E+08	1.72E+07	28870	7424	-74110
1000	2162921	-2.19E+08	1.60E+07	30190	6835	-70947
1001	2110359	-1.87E+08	2.02E+07	10234	8676	-72093
1002	2113397	-1.88E+08	1.25E+07	47781	5368	-71959
1003	1924468	-1.68E+08	1.59E+07	30347	6831	-73335
1004	2232813	-1.30E+08	1.67E+07	29279	7210	-75152
1005	2165299	-1.17E+08	1.70E+07	29017	7376	-75787
1006	1992435	-1.81E+08	1.55E+07	30682	6669	-72700
1007	2110055	-1.48E+08	2.02E+07	48328	8712	-74811
1008	2112104	-1.49E+08	1.30E+07	11791	5633	-74584
1009	1868711	1.69E+08	5812072	78884	1944	73643
1010	2181127	1.32E+08	4972807	83728	1556	75624
1011	1942350	1.82E+08	5991237	80265	2031	73051
1012	2109719	1.18E+08	4732910	81585	1443	76214
1013	2057157	1.50E+08	8997327	61629	3283	75067
1014	2060195	1.49E+08	1227762	99176	-25	75202
1015	1871266	1.69E+08	4624664	81742	1438	73825
1016	2179611	2.07E+08	5442610	80674	1818	72009
1017	2112097	2.20E+08	5806133	80412	1983	71374
1018	1939233	1.56E+08	4268552	82077	1276	74461
1019	2056853	1.89E+08	9003536	99723	3319	72350
1020	2058902	1.88E+08	1771740	63186	241	72577
1021	1868785	-1.69E+08	1.74E+07	27610	7499	-73494
1022	2181201	-2.06E+08	1.66E+07	32455	7111	-71513
1023	1942424	-1.56E+08	1.76E+07	28991	7586	-74087
1024	2109793	-2.19E+08	1.63E+07	30311	6998	-70923
1025	2057231	-1.87E+08	2.06E+07	10355	8838	-72070
1026	2060269	-1.89E+08	1.28E+07	47902	5531	-71935
1027	1871341	-1.69E+08	1.62E+07	30468	6994	-73312
1028	2179685	-1.31E+08	1.71E+07	29400	7373	-75129
1029	2112172	-1.18E+08	1.74E+07	29138	7539	-75763
1030	1939308	-1.82E+08	1.59E+07	30803	6831	-72676
1031	2056927	-1.49E+08	2.06E+07	48449	8875	-74788
1032	2058976	-1.49E+08	1.34E+07	11913	5796	-74560
1033	1913167	1.69E+08	5416873	78330	1776	73611
1034	2225583	1.32E+08	4577607	83175	1388	75592
1035	1986807	1.82E+08	5596037	79711	1863	73019
1036	2154175	1.19E+08	4337710	81031	1275	76182

1037	2101613	1.51E+08	8602127	61075	3115	75036
1038	2104652	1.49E+08	832562	98622	-192	75171
1039	1915723	1.69E+08	4229465	81188	1271	73794
1040	2224067	2.07E+08	5047410	80121	1650	71977
1041	2156554	2.20E+08	5410934	79858	1815	71342
1042	1983690	1.56E+08	3873352	81523	1108	74429
1043	2101310	1.89E+08	8608336	99170	3151	72318
1044	2103359	1.89E+08	1376540	62633	73	72546
1045	1913241	-1.68E+08	1.70E+07	27057	7331	-73526
1046	2225657	-2.06E+08	1.62E+07	31901	6943	-71545
1047	1986881	-1.55E+08	1.72E+07	28437	7418	-74118
1048	2154250	-2.19E+08	1.59E+07	29758	6830	-70955
1049	2101687	-1.87E+08	2.02E+07	9802	8671	-72102
1050	2104726	-1.88E+08	1.24E+07	47348	5363	-71967
1051	1915797	-1.68E+08	1.58E+07	29915	6826	-73344
1052	2224141	-1.30E+08	1.67E+07	28847	7205	-75160
1053	2156628	-1.17E+08	1.70E+07	28585	7371	-75795
1054	1983764	-1.81E+08	1.55E+07	30250	6664	-72708
1055	2101384	-1.48E+08	2.02E+07	47896	8707	-74819
1056	2103433	-1.49E+08	1.30E+07	11359	5628	-74592
1057	1878355	1.63E+08	-1.19E+08	-23627	-51155	71579
1058	2190771	1.26E+08	-1.20E+08	-18782	-51544	73560
1059	1951995	1.76E+08	-1.19E+08	-22246	-51068	70986
1060	2119363	1.13E+08	-1.20E+08	-20926	-51657	74150
1061	2066801	1.45E+08	-1.16E+08	-40882	-49816	73003
1062	2069840	1.43E+08	-1.24E+08	-3335	-53124	73138
1063	1880911	1.63E+08	-1.20E+08	-20769	-51661	71761
1064	2189255	2.01E+08	-1.19E+08	-21837	-51281	69944
1065	2121742	2.14E+08	-1.19E+08	-22099	-51116	69309
1066	1948878	1.50E+08	-1.21E+08	-20434	-51823	72396
1067	2066498	1.84E+08	-1.16E+08	-2788	-49780	70285
1068	2068547	1.83E+08	-1.23E+08	-39324	-52858	70513
1069	1878429	-1.74E+08	-1.07E+08	-74901	-45600	-75559
1070	2190845	-2.11E+08	-1.08E+08	-70056	-45988	-73578
1071	1952069	-1.61E+08	-1.07E+08	-73520	-45513	-76151
1072	2119438	-2.25E+08	-1.08E+08	-72199	-46101	-72988
1073	2066875	-1.93E+08	-1.04E+08	-92156	-44261	-74134
1074	2069914	-1.94E+08	-1.12E+08	-54609	-47568	-74000
1075	1880985	-1.74E+08	-1.09E+08	-72043	-46105	-75376
1076	2189329	-1.36E+08	-1.08E+08	-73110	-45726	-77193
1077	2121816	-1.23E+08	-1.07E+08	-73372	-45561	-77828
1078	1948952	-1.87E+08	-1.09E+08	-71707	-46268	-74741
1079	2066572	-1.54E+08	-1.04E+08	-54061	-44225	-76852
1080	2068621	-1.55E+08	-1.11E+08	-90598	-47303	-76625
1081	1922811	1.64E+08	-1.19E+08	-24180	-51323	71547
1082	2235228	1.27E+08	-1.20E+08	-19336	-51711	73528
1083	1996451	1.77E+08	-1.19E+08	-22800	-51236	70954
1084	2163820	1.13E+08	-1.20E+08	-21479	-51824	74118
1085	2111257	1.45E+08	-1.16E+08	-41435	-49984	72971
1086	2114296	1.44E+08	-1.24E+08	-3889	-53292	73106
1087	1925367	1.64E+08	-1.21E+08	-21322	-51829	71729
1088	2233712	2.02E+08	-1.20E+08	-22390	-51449	69912
1089	2166198	2.15E+08	-1.19E+08	-22652	-51284	69278
1090	1993334	1.51E+08	-1.21E+08	-20987	-51991	72365
1091	2110954	1.84E+08	-1.16E+08	-3341	-49948	70253
1092	2113003	1.83E+08	-1.23E+08	-39878	-53026	70481
1093	1922885	-1.74E+08	-1.08E+08	-75454	-45768	-75590
1094	2235302	-2.11E+08	-1.09E+08	-70610	-46156	-73609
1095	1996525	-1.61E+08	-1.08E+08	-74073	-45681	-76183
1096	2163894	-2.24E+08	-1.09E+08	-72753	-46269	-73019
1097	2111332	-1.92E+08	-1.05E+08	-92709	-44429	-74166
1098	2114370	-1.94E+08	-1.12E+08	-55162	-47736	-74031
1099	1925441	-1.74E+08	-1.09E+08	-72596	-46273	-75408
1100	2233786	-1.36E+08	-1.08E+08	-73664	-45894	-77225
1101	2166272	-1.23E+08	-1.08E+08	-73926	-45728	-77860
1102	1993408	-1.87E+08	-1.09E+08	-72261	-46436	-74773
1103	2111028	-1.54E+08	-1.05E+08	-54615	-44392	-76884
1104	2113077	-1.54E+08	-1.12E+08	-91152	-47471	-76656

1105	1869683	1.63E+08	-1.19E+08	-24059	-51160	71570
1106	2182100	1.26E+08	-1.20E+08	-19215	-51549	73551
1107	1943323	1.76E+08	-1.19E+08	-22678	-51073	70978
1108	2110692	1.13E+08	-1.20E+08	-21358	-51662	74141
1109	2058130	1.45E+08	-1.16E+08	-41314	-49821	72995
1110	2061168	1.43E+08	-1.24E+08	-3767	-53129	73130
1111	1872239	1.63E+08	-1.20E+08	-21201	-51666	71753
1112	2180584	2.01E+08	-1.19E+08	-22269	-51287	69936
1113	2113070	2.14E+08	-1.19E+08	-22531	-51121	69301
1114	1940206	1.50E+08	-1.21E+08	-20866	-51828	72388
1115	2057826	1.84E+08	-1.16E+08	-3220	-49785	70277
1116	2059875	1.83E+08	-1.23E+08	-39757	-52864	70505
1117	1869757	-1.74E+08	-1.07E+08	-75333	-45605	-75567
1118	2182174	-2.11E+08	-1.08E+08	-70488	-45993	-73586
1119	1943397	-1.61E+08	-1.07E+08	-73952	-45518	-76159
1120	2110766	-2.25E+08	-1.08E+08	-72632	-46106	-72996
1121	2058204	-1.93E+08	-1.04E+08	-92588	-44266	-74143
1122	2061242	-1.94E+08	-1.12E+08	-55041	-47574	-74008
1123	1872313	-1.74E+08	-1.09E+08	-72475	-46111	-75385
1124	2180658	-1.36E+08	-1.08E+08	-73543	-45731	-77201
1125	2113144	-1.23E+08	-1.07E+08	-73805	-45566	-77836
1126	1940280	-1.87E+08	-1.09E+08	-72140	-46273	-74749
1127	2057900	-1.54E+08	-1.04E+08	-54494	-44230	-76861
1128	2059949	-1.55E+08	-1.11E+08	-91030	-47308	-76633
1129	1914140	1.64E+08	-1.19E+08	-24613	-51328	71539
1130	2226556	1.27E+08	-1.20E+08	-19768	-51717	73520
1131	1987779	1.77E+08	-1.19E+08	-23232	-51241	70946
1132	2155148	1.13E+08	-1.20E+08	-21912	-51830	74110
1133	2102586	1.45E+08	-1.16E+08	-41868	-49989	72963
1134	2105625	1.44E+08	-1.24E+08	-4321	-53297	73098
1135	1916696	1.64E+08	-1.21E+08	-21755	-51834	71721
1136	2225040	2.02E+08	-1.20E+08	-22822	-51454	69904
1137	2157527	2.15E+08	-1.19E+08	-23085	-51289	69269
1138	1984663	1.51E+08	-1.21E+08	-21420	-51996	72356
1139	2102283	1.84E+08	-1.16E+08	-3773	-49953	70245
1140	2104332	1.83E+08	-1.23E+08	-40310	-53031	70473
1141	1914214	-1.74E+08	-1.08E+08	-75886	-45773	-75599
1142	2226630	-2.11E+08	-1.09E+08	-71042	-46161	-73618
1143	1987854	-1.61E+08	-1.08E+08	-74506	-45686	-76191
1144	2155222	-2.24E+08	-1.09E+08	-73185	-46274	-73028
1145	2102660	-1.92E+08	-1.05E+08	-93141	-44434	-74174
1146	2105699	-1.94E+08	-1.12E+08	-55595	-47741	-74039
1147	1916770	-1.74E+08	-1.09E+08	-73028	-46278	-75416
1148	2225114	-1.36E+08	-1.08E+08	-74096	-45899	-77233
1149	2157601	-1.23E+08	-1.08E+08	-74358	-45734	-77868
1150	1984737	-1.87E+08	-1.09E+08	-72693	-46441	-74781
1151	2102357	-1.54E+08	-1.05E+08	-55047	-44398	-76892
1152	2104406	-1.54E+08	-1.12E+08	-91584	-47476	-76664
1153	1877845	1.77E+08	-5.74E+07	-98664	-24949	76520
1154	2190262	1.39E+08	-5.82E+07	-93819	-25337	78501
1155	1951485	1.90E+08	-5.72E+07	-97283	-24862	75927
1156	2118854	1.26E+08	-5.85E+07	-95962	-25450	79091
1157	2066291	1.58E+08	-5.42E+07	-115918	-23610	77944
1158	2069330	1.56E+08	-6.20E+07	-78372	-26918	78079
1159	1880401	1.77E+08	-5.86E+07	-95806	-25455	76702
1160	2188746	2.15E+08	-5.78E+07	-96873	-25075	74885
1161	2121232	2.28E+08	-5.74E+07	-97135	-24910	74251
1162	1948368	1.64E+08	-5.89E+07	-95470	-25617	77338
1163	2065988	1.97E+08	-5.42E+07	-77824	-23574	75226
1164	2068037	1.96E+08	-6.14E+07	-114361	-26652	75454
1165	1877919	-1.61E+08	-4.58E+07	-149937	-19394	-70617
1166	2190336	-1.98E+08	-4.66E+07	-145093	-19782	-68636
1167	1951559	-1.48E+08	-4.56E+07	-148556	-19307	-71210
1168	2118928	-2.12E+08	-4.69E+07	-147236	-19895	-68046
1169	2066365	-1.80E+08	-4.26E+07	-167192	-18055	-69193
1170	2069404	-1.81E+08	-5.04E+07	-129645	-21362	-69058
1171	1880475	-1.61E+08	-4.70E+07	-147079	-19899	-70435
1172	2188820	-1.23E+08	-4.61E+07	-148147	-19520	-72252

1173	2121306	-1.10E+08	-4.58E+07	-148409	-19354	-72887
1174	1948442	-1.74E+08	-4.73E+07	-146744	-20062	-69799
1175	2066062	-1.41E+08	-4.26E+07	-129098	-18018	-71911
1176	2068111	-1.42E+08	-4.98E+07	-165635	-21097	-71683
1177	1922301	1.77E+08	-5.78E+07	-99217	-25117	76488
1178	2234718	1.40E+08	-5.86E+07	-94373	-25505	78469
1179	1995941	1.90E+08	-5.76E+07	-97836	-25030	75896
1180	2163310	1.26E+08	-5.89E+07	-96516	-25618	79059
1181	2110748	1.58E+08	-5.46E+07	-116472	-23778	77913
1182	2113786	1.57E+08	-6.24E+07	-78925	-27085	78047
1183	1924857	1.77E+08	-5.90E+07	-96359	-25622	76671
1184	2233202	2.15E+08	-5.82E+07	-97427	-25243	74854
1185	2165688	2.28E+08	-5.78E+07	-97689	-25078	74219
1186	1992824	1.64E+08	-5.93E+07	-96024	-25785	77306
1187	2110444	1.97E+08	-5.46E+07	-78378	-23742	75195
1188	2112493	1.96E+08	-6.18E+07	-114915	-26820	75422
1189	1922376	-1.61E+08	-4.62E+07	-150491	-19562	-70649
1190	2234792	-1.98E+08	-4.70E+07	-145646	-19950	-68668
1191	1996015	-1.48E+08	-4.60E+07	-149110	-19475	-71242
1192	2163384	-2.11E+08	-4.73E+07	-147790	-20063	-68078
1193	2110822	-1.79E+08	-4.30E+07	-167746	-18222	-69225
1194	2113860	-1.81E+08	-5.08E+07	-130199	-21530	-69090
1195	1924932	-1.61E+08	-4.74E+07	-147633	-20067	-70467
1196	2233276	-1.23E+08	-4.65E+07	-148701	-19688	-72284
1197	2165763	-1.10E+08	-4.62E+07	-148963	-19522	-72918
1198	1992898	-1.74E+08	-4.77E+07	-147298	-20229	-69831
1199	2110518	-1.40E+08	-4.30E+07	-129652	-18186	-71943
1200	2112567	-1.41E+08	-5.02E+07	-166188	-21265	-71715
1201	1869174	1.77E+08	-5.74E+07	-99096	-24954	76512
1202	2181590	1.39E+08	-5.82E+07	-94251	-25342	78493
1203	1942813	1.90E+08	-5.72E+07	-97715	-24867	75919
1204	2110182	1.26E+08	-5.85E+07	-96395	-25456	79083
1205	2057620	1.58E+08	-5.42E+07	-116351	-23615	77936
1206	2060658	1.56E+08	-6.20E+07	-78804	-26923	78071
1207	1871730	1.77E+08	-5.86E+07	-96238	-25460	76694
1208	2180074	2.15E+08	-5.78E+07	-97306	-25080	74877
1209	2112561	2.28E+08	-5.74E+07	-97568	-24915	74243
1210	1939697	1.64E+08	-5.89E+07	-95903	-25622	77330
1211	2057316	1.97E+08	-5.42E+07	-78257	-23579	75218
1212	2059365	1.96E+08	-6.14E+07	-114793	-26657	75446
1213	1869248	-1.61E+08	-4.58E+07	-150370	-19399	-70625
1214	2181664	-1.98E+08	-4.66E+07	-145525	-19787	-68644
1215	1942887	-1.48E+08	-4.56E+07	-148989	-19312	-71218
1216	2110256	-2.12E+08	-4.69E+07	-147668	-19900	-68054
1217	2057694	-1.80E+08	-4.26E+07	-167625	-18060	-69201
1218	2060733	-1.81E+08	-5.04E+07	-130078	-21367	-69066
1219	1871804	-1.61E+08	-4.70E+07	-147512	-19904	-70443
1220	2180148	-1.23E+08	-4.62E+07	-148579	-19525	-72260
1221	2112635	-1.10E+08	-4.58E+07	-148841	-19360	-72895
1222	1939771	-1.74E+08	-4.73E+07	-147176	-20067	-69808
1223	2057391	-1.41E+08	-4.26E+07	-129530	-18024	-71919
1224	2059440	-1.42E+08	-4.98E+07	-166067	-21102	-71691
1225	1913630	1.77E+08	-5.78E+07	-99649	-25122	76480
1226	2226046	1.40E+08	-5.86E+07	-94805	-25510	78461
1227	1987270	1.90E+08	-5.76E+07	-98269	-25035	75888
1228	2154638	1.26E+08	-5.89E+07	-96948	-25623	79051
1229	2102076	1.58E+08	-5.46E+07	-116904	-23783	77904
1230	2105115	1.57E+08	-6.24E+07	-79358	-27091	78039
1231	1916186	1.77E+08	-5.90E+07	-96791	-25628	76662
1232	2224530	2.15E+08	-5.82E+07	-97859	-25248	74846
1233	2157017	2.28E+08	-5.78E+07	-98121	-25083	74211
1234	1984153	1.64E+08	-5.93E+07	-96456	-25790	77298
1235	2101773	1.97E+08	-5.46E+07	-78810	-23747	75187
1236	2103822	1.96E+08	-6.18E+07	-115347	-26825	75414
1237	1913704	-1.61E+08	-4.62E+07	-150923	-19567	-70657
1238	2226121	-1.98E+08	-4.70E+07	-146079	-19955	-68676
1239	1987344	-1.48E+08	-4.60E+07	-149542	-19480	-71250
1240	2154713	-2.11E+08	-4.73E+07	-148222	-20068	-68086

1241	2102150	-1.79E+08	-4.30E+07	-168178	-18228	-69233
1242	2105189	-1.81E+08	-5.08E+07	-130631	-21535	-69098
1243	1916260	-1.61E+08	-4.74E+07	-148065	-20072	-70475
1244	2224605	-1.23E+08	-4.66E+07	-149133	-19693	-72292
1245	2157091	-1.10E+08	-4.62E+07	-149395	-19527	-72926
1246	1984227	-1.74E+08	-4.77E+07	-147730	-20235	-69839
1247	2101847	-1.41E+08	-4.30E+07	-130084	-18191	-71951
1248	2103896	-1.41E+08	-5.02E+07	-166621	-21270	-71723
1249	1877821	1.51E+08	-5.63E+07	-132802	-24472	66843
1250	2190237	1.14E+08	-5.71E+07	-127958	-24861	68824
1251	1951461	1.64E+08	-5.61E+07	-131421	-24385	66251
1252	2118830	1.00E+08	-5.73E+07	-130101	-24974	69414
1253	2066267	1.32E+08	-5.31E+07	-150057	-23133	68268
1254	2069306	1.31E+08	-6.08E+07	-112510	-26441	68402
1255	1880377	1.51E+08	-5.74E+07	-129944	-24978	67026
1256	2188721	1.89E+08	-5.66E+07	-131012	-24599	65209
1257	2121208	2.02E+08	-5.63E+07	-131274	-24433	64574
1258	1948344	1.38E+08	-5.78E+07	-129609	-25140	67661
1259	2065964	1.71E+08	-5.31E+07	-111963	-23097	65550
1260	2068013	1.70E+08	-6.03E+07	-148500	-26176	65778
1261	1877895	-1.87E+08	-4.47E+07	-184076	-18917	-80294
1262	2190312	-2.24E+08	-4.55E+07	-179232	-19305	-78313
1263	1951535	-1.74E+08	-4.45E+07	-182695	-18830	-80886
1264	2118904	-2.37E+08	-4.57E+07	-181375	-19418	-77723
1265	2066341	-2.05E+08	-4.15E+07	-201331	-17578	-78870
1266	2069380	-2.07E+08	-4.92E+07	-163784	-20886	-78735
1267	1880451	-1.87E+08	-4.58E+07	-181218	-19423	-80112
1268	2188796	-1.49E+08	-4.50E+07	-182286	-19043	-81929
1269	2121282	-1.36E+08	-4.47E+07	-182548	-18878	-82563
1270	1948418	-2.00E+08	-4.62E+07	-180883	-19585	-79476
1271	2066038	-1.67E+08	-4.15E+07	-163237	-17542	-81588
1272	2068087	-1.67E+08	-4.87E+07	-199774	-20620	-81360
1273	1922277	1.51E+08	-5.67E+07	-133356	-24640	66812
1274	2234694	1.14E+08	-5.75E+07	-128511	-25029	68793
1275	1995917	1.64E+08	-5.65E+07	-131975	-24553	66219
1276	2163286	1.01E+08	-5.77E+07	-130655	-25142	69383
1277	2110724	1.33E+08	-5.35E+07	-150611	-23301	68236
1278	2113762	1.31E+08	-6.12E+07	-113064	-26609	68371
1279	1924833	1.51E+08	-5.78E+07	-130498	-25146	66994
1280	2233178	1.89E+08	-5.70E+07	-131566	-24766	65177
1281	2165664	2.02E+08	-5.67E+07	-131828	-24601	64542
1282	1992800	1.38E+08	-5.82E+07	-130163	-25308	67629
1283	2110420	1.71E+08	-5.35E+07	-112517	-23265	65518
1284	2112469	1.70E+08	-6.07E+07	-149053	-26343	65746
1285	1922351	-1.86E+08	-4.50E+07	-184630	-19085	-80326
1286	2234768	-2.24E+08	-4.59E+07	-179785	-19473	-78345
1287	1995991	-1.73E+08	-4.49E+07	-183249	-18998	-80918
1288	2163360	-2.37E+08	-4.61E+07	-181928	-19586	-77755
1289	2110798	-2.05E+08	-4.19E+07	-201885	-17746	-78901
1290	2113836	-2.07E+08	-4.96E+07	-164338	-21053	-78767
1291	1924907	-1.86E+08	-4.62E+07	-181772	-19591	-80143
1292	2233252	-1.48E+08	-4.54E+07	-182839	-19211	-81960
1293	2165738	-1.35E+08	-4.51E+07	-183102	-19046	-82595
1294	1992874	-1.99E+08	-4.66E+07	-181437	-19753	-79508
1295	2110494	-1.66E+08	-4.19E+07	-163790	-17710	-81619
1296	2112543	-1.67E+08	-4.91E+07	-200327	-20788	-81391
1297	1869150	1.51E+08	-5.63E+07	-133235	-24478	66835
1298	2181566	1.14E+08	-5.71E+07	-128390	-24866	68816
1299	1942789	1.64E+08	-5.61E+07	-131854	-24391	66243
1300	2110158	1.00E+08	-5.74E+07	-130533	-24979	69406
1301	2057596	1.32E+08	-5.31E+07	-150490	-23138	68259
1302	2060634	1.31E+08	-6.09E+07	-112943	-26446	68394
1303	1871705	1.51E+08	-5.75E+07	-130377	-24983	67017
1304	2180050	1.89E+08	-5.66E+07	-131444	-24604	65201
1305	2112536	2.02E+08	-5.63E+07	-131707	-24438	64566
1306	1939672	1.38E+08	-5.78E+07	-130042	-25145	67653
1307	2057292	1.71E+08	-5.31E+07	-112395	-23102	65542
1308	2059341	1.70E+08	-6.03E+07	-148932	-26181	65769

1309	1869224	-1.87E+08	-4.47E+07	-184508	-18922	-80302
1310	2181640	-2.24E+08	-4.55E+07	-179664	-19311	-78321
1311	1942863	-1.74E+08	-4.45E+07	-183128	-18835	-80895
1312	2110232	-2.37E+08	-4.57E+07	-181807	-19424	-77731
1313	2057670	-2.05E+08	-4.15E+07	-201763	-17583	-78878
1314	2060708	-2.07E+08	-4.92E+07	-164217	-20891	-78743
1315	1871780	-1.87E+08	-4.59E+07	-181650	-19428	-80120
1316	2180124	-1.49E+08	-4.50E+07	-182718	-19048	-81937
1317	2112611	-1.36E+08	-4.47E+07	-182980	-18883	-82571
1318	1939747	-2.00E+08	-4.62E+07	-181315	-19590	-79484
1319	2057366	-1.67E+08	-4.15E+07	-163669	-17547	-81596
1320	2059415	-1.67E+08	-4.87E+07	-200206	-20625	-81368
1321	1913606	1.51E+08	-5.67E+07	-133788	-24645	66803
1322	2226022	1.14E+08	-5.75E+07	-128944	-25034	68784
1323	1987246	1.64E+08	-5.65E+07	-132407	-24558	66211
1324	2154614	1.01E+08	-5.77E+07	-131087	-25147	69374
1325	2102052	1.33E+08	-5.35E+07	-151043	-23306	68228
1326	2105091	1.31E+08	-6.13E+07	-113496	-26614	68363
1327	1916162	1.51E+08	-5.79E+07	-130930	-25151	66986
1328	2224506	1.89E+08	-5.70E+07	-131998	-24772	65169
1329	2156993	2.02E+08	-5.67E+07	-132260	-24606	64534
1330	1984129	1.38E+08	-5.82E+07	-130595	-25313	67621
1331	2101749	1.71E+08	-5.35E+07	-112949	-23270	65510
1332	2103798	1.70E+08	-6.07E+07	-149486	-26349	65738
1333	1913680	-1.86E+08	-4.51E+07	-185062	-19090	-80334
1334	2226096	-2.24E+08	-4.59E+07	-180217	-19478	-78353
1335	1987320	-1.73E+08	-4.49E+07	-183681	-19003	-80926
1336	2154688	-2.37E+08	-4.61E+07	-182361	-19591	-77763
1337	2102126	-2.05E+08	-4.19E+07	-202317	-17751	-78910
1338	2105165	-2.07E+08	-4.96E+07	-164770	-21059	-78775
1339	1916236	-1.86E+08	-4.62E+07	-182204	-19596	-80152
1340	2224580	-1.48E+08	-4.54E+07	-183272	-19216	-81968
1341	2157067	-1.35E+08	-4.51E+07	-183534	-19051	-82603
1342	1984203	-1.99E+08	-4.66E+07	-181869	-19758	-79516
1343	2101823	-1.66E+08	-4.19E+07	-164223	-17715	-81627
1344	2103872	-1.67E+08	-4.91E+07	-200759	-20793	-81400
1345	1877845	2.78E+08	-6.07E+07	44858	-26583	121674
1346	2190261	2.41E+08	-6.16E+07	49702	-26971	123655
1347	1951485	2.91E+08	-6.06E+07	46239	-26496	121081
1348	2118854	2.28E+08	-6.18E+07	47559	-27084	124245
1349	2066291	2.60E+08	-5.76E+07	27603	-25244	123098
1350	2069330	2.58E+08	-6.53E+07	65150	-28551	123233
1351	1880401	2.78E+08	-6.19E+07	47716	-27089	121856
1352	2188745	3.16E+08	-6.11E+07	46648	-26709	120039
1353	2121232	3.29E+08	-6.07E+07	46386	-26544	119405
1354	1948368	2.65E+08	-6.23E+07	48051	-27251	122492
1355	2065988	2.98E+08	-5.76E+07	65697	-25208	120380
1356	2068037	2.98E+08	-6.48E+07	29160	-28286	120608
1357	1877968	-2.84E+08	-4.14E+07	-40599	-17324	-123555
1358	2190385	-3.22E+08	-4.22E+07	-35754	-17712	-121574
1359	1951608	-2.71E+08	-4.12E+07	-39218	-17237	-124147
1360	2118977	-3.35E+08	-4.25E+07	-37897	-17825	-120984
1361	2066415	-3.03E+08	-3.82E+07	-57853	-15985	-122130
1362	2069453	-3.04E+08	-4.60E+07	-20307	-19293	-121996
1363	1880524	-2.84E+08	-4.26E+07	-37741	-17830	-123372
1364	2188869	-2.46E+08	-4.18E+07	-38808	-17450	-125189
1365	2121355	-2.33E+08	-4.14E+07	-39070	-17285	-125824
1366	1948491	-2.97E+08	-4.29E+07	-37405	-17992	-122737
1367	2066111	-2.64E+08	-3.82E+07	-19759	-15949	-124848
1368	2068160	-2.65E+08	-4.54E+07	-56296	-19027	-124621
1369	1922301	2.79E+08	-6.11E+07	44304	-26751	121642
1370	2234718	2.41E+08	-6.20E+07	49149	-27139	123623
1371	1995941	2.92E+08	-6.10E+07	45685	-26664	121050
1372	2163310	2.28E+08	-6.22E+07	47005	-27252	124213
1373	2110748	2.60E+08	-5.80E+07	27049	-25412	123067
1374	2113786	2.59E+08	-6.57E+07	64596	-28719	123201
1375	1924857	2.79E+08	-6.23E+07	47162	-27256	121825
1376	2233202	3.17E+08	-6.15E+07	46094	-26877	120008

1377	2165688	3.30E+08	-6.11E+07	45832	-26712	119373
1378	1992824	2.66E+08	-6.27E+07	47497	-27419	122460
1379	2110444	2.99E+08	-5.79E+07	65143	-25376	120349
1380	2112493	2.98E+08	-6.52E+07	28607	-28454	120577
1381	1922425	-2.84E+08	-4.18E+07	-41152	-17492	-123586
1382	2234841	-3.21E+08	-4.26E+07	-36308	-17880	-121605
1383	1996065	-2.71E+08	-4.16E+07	-39771	-17405	-124179
1384	2163433	-3.35E+08	-4.29E+07	-38451	-17993	-121015
1385	2110871	-3.02E+08	-3.86E+07	-58407	-16153	-122162
1386	2113910	-3.04E+08	-4.64E+07	-20860	-19460	-122027
1387	1924981	-2.84E+08	-4.30E+07	-38294	-17998	-123404
1388	2233325	-2.46E+08	-4.22E+07	-39362	-17618	-125221
1389	2165812	-2.33E+08	-4.18E+07	-39624	-17453	-125856
1390	1992948	-2.97E+08	-4.33E+07	-37959	-18160	-122769
1391	2110568	-2.64E+08	-3.86E+07	-20313	-16117	-124880
1392	2112617	-2.65E+08	-4.58E+07	-56850	-19195	-124652
1393	1869173	2.78E+08	-6.08E+07	44425	-26588	121666
1394	2181590	2.41E+08	-6.16E+07	49270	-26976	123647
1395	1942813	2.91E+08	-6.06E+07	45806	-26501	121073
1396	2110182	2.28E+08	-6.18E+07	47127	-27090	124237
1397	2057620	2.60E+08	-5.76E+07	27170	-25249	123090
1398	2060658	2.58E+08	-6.53E+07	64717	-28557	123225
1399	1871729	2.78E+08	-6.19E+07	47283	-27094	121848
1400	2180074	3.16E+08	-6.11E+07	46216	-26714	120031
1401	2112560	3.29E+08	-6.08E+07	45953	-26549	119397
1402	1939696	2.65E+08	-6.23E+07	47619	-27256	122484
1403	2057316	2.98E+08	-5.76E+07	65265	-25213	120372
1404	2059365	2.98E+08	-6.48E+07	28728	-28291	120600
1405	1869297	-2.84E+08	-4.14E+07	-41031	-17329	-123563
1406	2181713	-3.22E+08	-4.22E+07	-36186	-17718	-121582
1407	1942937	-2.71E+08	-4.12E+07	-39650	-17242	-124155
1408	2110306	-3.35E+08	-4.25E+07	-38330	-17831	-120992
1409	2057743	-3.03E+08	-3.82E+07	-58286	-15990	-122139
1410	2060782	-3.04E+08	-4.60E+07	-20739	-19298	-122004
1411	1871853	-2.84E+08	-4.26E+07	-38173	-17835	-123381
1412	2180197	-2.46E+08	-4.18E+07	-39241	-17455	-125197
1413	2112684	-2.33E+08	-4.14E+07	-39503	-17290	-125832
1414	1939820	-2.97E+08	-4.29E+07	-37838	-17997	-122745
1415	2057440	-2.64E+08	-3.82E+07	-20192	-15954	-124856
1416	2059489	-2.65E+08	-4.54E+07	-56728	-19032	-124629
1417	1913630	2.79E+08	-6.12E+07	43872	-26756	121634
1418	2226046	2.41E+08	-6.20E+07	48716	-27144	123615
1419	1987270	2.92E+08	-6.10E+07	45253	-26669	121042
1420	2154638	2.28E+08	-6.22E+07	46573	-27257	124205
1421	2102076	2.60E+08	-5.80E+07	26617	-25417	123058
1422	2105115	2.59E+08	-6.57E+07	64164	-28724	123193
1423	1916186	2.79E+08	-6.23E+07	46730	-27262	121816
1424	2224530	3.17E+08	-6.15E+07	45662	-26882	120000
1425	2157017	3.30E+08	-6.12E+07	45400	-26717	119365
1426	1984153	2.66E+08	-6.27E+07	47065	-27424	122452
1427	2101773	2.99E+08	-5.80E+07	64711	-25381	120341
1428	2103822	2.98E+08	-6.52E+07	28174	-28459	120568
1429	1913753	-2.84E+08	-4.18E+07	-41584	-17497	-123595
1430	2226170	-3.21E+08	-4.26E+07	-36740	-17885	-121614
1431	1987393	-2.71E+08	-4.16E+07	-40203	-17410	-124187
1432	2154762	-3.35E+08	-4.29E+07	-38883	-17998	-121024
1433	2102200	-3.02E+08	-3.86E+07	-58839	-16158	-122170
1434	2105238	-3.04E+08	-4.64E+07	-21292	-19466	-122035
1435	1916309	-2.84E+08	-4.30E+07	-38726	-18003	-123412
1436	2224654	-2.46E+08	-4.22E+07	-39794	-17623	-125229
1437	2157140	-2.33E+08	-4.18E+07	-40056	-17458	-125864
1438	1984276	-2.97E+08	-4.33E+07	-38391	-18165	-122777
1439	2101896	-2.64E+08	-3.86E+07	-20745	-16122	-124888
1440	2103945	-2.65E+08	-4.58E+07	-57282	-19200	-124660
1441	1880761	1.65E+08	-9.06E+07	29389	-39230	72042
1442	2193178	1.28E+08	-9.14E+07	34234	-39619	74023
1443	1954401	1.78E+08	-9.04E+07	30770	-39144	71449
1444	2121770	1.14E+08	-9.17E+07	32090	-39732	74613

1445	2069208	1.46E+08	-8.74E+07	12134	-37891	73466
1446	2072246	1.45E+08	-9.52E+07	49681	-41199	73601
1447	1883317	1.65E+08	-9.18E+07	32247	-39736	72224
1448	2191662	2.03E+08	-9.10E+07	31180	-39357	70407
1449	2124148	2.16E+08	-9.06E+07	30917	-39191	69773
1450	1951284	1.52E+08	-9.21E+07	32582	-39898	72860
1451	2068904	1.85E+08	-8.74E+07	50229	-37855	70748
1452	2070953	1.84E+08	-9.46E+07	13692	-40934	70976
1453	1880835	-1.73E+08	-7.90E+07	-21884	-33675	-75095
1454	2193252	-2.10E+08	-7.98E+07	-17040	-34063	-73114
1455	1954475	-1.60E+08	-7.88E+07	-20504	-33588	-75688
1456	2121844	-2.23E+08	-8.01E+07	-19183	-34177	-72524
1457	2069282	-1.91E+08	-7.58E+07	-39139	-32336	-73671
1458	2072320	-1.93E+08	-8.36E+07	-1593	-35644	-73536
1459	1883391	-1.73E+08	-8.02E+07	-19026	-34181	-74913
1460	2191736	-1.35E+08	-7.94E+07	-20094	-33801	-76730
1461	2124222	-1.22E+08	-7.90E+07	-20356	-33636	-77365
1462	1951358	-1.86E+08	-8.05E+07	-18691	-34343	-74278
1463	2068978	-1.53E+08	-7.58E+07	-1045	-32300	-76389
1464	2071027	-1.53E+08	-8.30E+07	-37582	-35378	-76161
1465	1925218	1.65E+08	-9.10E+07	28836	-39398	72010
1466	2237634	1.28E+08	-9.18E+07	33680	-39787	73991
1467	1998857	1.78E+08	-9.08E+07	30217	-39311	71418
1468	2166226	1.15E+08	-9.21E+07	31537	-39900	74581
1469	2113664	1.47E+08	-8.78E+07	11581	-38059	73434
1470	2116703	1.45E+08	-9.56E+07	49128	-41367	73569
1471	1927774	1.65E+08	-9.22E+07	31694	-39904	72192
1472	2236118	2.03E+08	-9.14E+07	30626	-39524	70376
1473	2168605	2.16E+08	-9.10E+07	30364	-39359	69741
1474	1995741	1.52E+08	-9.25E+07	32029	-40066	72828
1475	2113361	1.85E+08	-8.78E+07	49675	-38023	70717
1476	2115410	1.84E+08	-9.50E+07	13138	-41101	70944
1477	1925292	-1.72E+08	-7.94E+07	-22438	-33843	-75127
1478	2237708	-2.10E+08	-8.02E+07	-17594	-34231	-73146
1479	1998932	-1.59E+08	-7.92E+07	-21057	-33756	-75720
1480	2166300	-2.23E+08	-8.05E+07	-19737	-34344	-72556
1481	2113738	-1.91E+08	-7.62E+07	-39693	-32504	-73703
1482	2116777	-1.93E+08	-8.40E+07	-2146	-35811	-73568
1483	1927848	-1.72E+08	-8.06E+07	-19580	-34349	-74945
1484	2236192	-1.34E+08	-7.98E+07	-20648	-33969	-76762
1485	2168679	-1.21E+08	-7.94E+07	-20910	-33804	-77396
1486	1995815	-1.85E+08	-8.09E+07	-19245	-34511	-74309
1487	2113435	-1.52E+08	-7.62E+07	-1599	-32468	-76421
1488	2115484	-1.53E+08	-8.34E+07	-38135	-35546	-76193
1489	1866309	1.65E+08	-9.06E+07	28669	-39239	72028
1490	2178725	1.28E+08	-9.15E+07	33513	-39627	74009
1491	1939949	1.78E+08	-9.04E+07	30050	-39152	71436
1492	2107317	1.14E+08	-9.17E+07	31370	-39740	74599
1493	2054755	1.46E+08	-8.74E+07	11414	-37900	73452
1494	2057794	1.45E+08	-9.52E+07	48961	-41208	73587
1495	1868865	1.65E+08	-9.18E+07	31527	-39745	72211
1496	2177209	2.03E+08	-9.10E+07	30459	-39365	70394
1497	2109696	2.16E+08	-9.06E+07	30197	-39200	69759
1498	1936832	1.52E+08	-9.22E+07	31862	-39907	72846
1499	2054452	1.85E+08	-8.74E+07	49508	-37864	70735
1500	2056501	1.84E+08	-9.47E+07	12971	-40942	70962
1501	1866383	-1.73E+08	-7.90E+07	-22605	-33684	-75109
1502	2178799	-2.10E+08	-7.98E+07	-17760	-34072	-73128
1503	1940023	-1.60E+08	-7.88E+07	-21224	-33597	-75702
1504	2107392	-2.23E+08	-8.01E+07	-19904	-34185	-72538
1505	2054829	-1.91E+08	-7.58E+07	-39860	-32345	-73685
1506	2057868	-1.93E+08	-8.36E+07	-2313	-35652	-73550
1507	1868939	-1.73E+08	-8.02E+07	-19747	-34189	-74927
1508	2177283	-1.35E+08	-7.94E+07	-20815	-33810	-76744
1509	2109770	-1.22E+08	-7.90E+07	-21077	-33644	-77378
1510	1936906	-1.86E+08	-8.06E+07	-19412	-34352	-74291
1511	2054526	-1.53E+08	-7.58E+07	-1766	-32308	-76403
1512	2056575	-1.53E+08	-8.30E+07	-38302	-35387	-76175

1513	1910765	1.65E+08	-9.10E+07	28115	-39407	71997
1514	2223182	1.28E+08	-9.19E+07	32960	-39795	73978
1515	1984405	1.78E+08	-9.08E+07	29496	-39320	71404
1516	2151774	1.14E+08	-9.21E+07	30816	-39908	74568
1517	2099211	1.47E+08	-8.78E+07	10860	-38068	73421
1518	2102250	1.45E+08	-9.56E+07	48407	-41375	73556
1519	1913321	1.65E+08	-9.22E+07	30973	-39912	72179
1520	2221666	2.03E+08	-9.14E+07	29905	-39533	70362
1521	2154152	2.16E+08	-9.10E+07	29643	-39368	69727
1522	1981288	1.52E+08	-9.26E+07	31308	-40075	72814
1523	2098908	1.85E+08	-8.78E+07	48954	-38032	70703
1524	2100957	1.84E+08	-9.51E+07	12418	-41110	70931
1525	1910839	-1.72E+08	-7.94E+07	-23159	-33852	-75141
1526	2223256	-2.10E+08	-8.02E+07	-18314	-34240	-73160
1527	1984479	-1.59E+08	-7.92E+07	-21778	-33765	-75733
1528	2151848	-2.23E+08	-8.05E+07	-20457	-34353	-72570
1529	2099286	-1.91E+08	-7.62E+07	-40413	-32512	-73717
1530	2102324	-1.93E+08	-8.40E+07	-2867	-35820	-73582
1531	1913395	-1.72E+08	-8.06E+07	-20301	-34357	-74958
1532	2221740	-1.34E+08	-7.98E+07	-21368	-33978	-76775
1533	2154226	-1.21E+08	-7.94E+07	-21630	-33812	-77410
1534	1981362	-1.85E+08	-8.09E+07	-19965	-34519	-74323
1535	2098982	-1.52E+08	-7.62E+07	-2319	-32476	-76434
1536	2101031	-1.53E+08	-8.34E+07	-38856	-35555	-76207
1537	1345071	1.66E+08	3.61E+08	45506	214968	93099
1538	1515027	-1.65E+08	-3.61E+08	-43292	-214984	-93060
1539	1347273	4.93E+08	1.21E+08	95724	72292	276973
1540	1512826	-4.93E+08	-1.21E+08	-93509	-72308	-276933
1541	1207940	1.52E+08	1.12E+08	35704	66540	85759
1542	1652158	-1.52E+08	-1.12E+08	-33489	-66556	-85720

Risultati combinazioni maggiormente gravose:

Cmb	N	Mx	My	t.v.	Nu	Mxu	Myu	ε cls	ε acciaio	Sd/Su	Ver
n.	daN	daN cm	daN cm		daN	daN cm	daN cm	%	%		
1537	1345071	1.66E+08	3.61E+08	P	1463350	1.80E+08	3.92E+08	0.350	0.942	0.920	Ok
8	2458096	2.42E+08	4.54E+07	M	1.75E+07	2.42E+08	4.54E+07	0.302	0.068	0.140	Ok
1537	1345071	1.66E+08	3.61E+08	N	1345071	1.77E+08	3.85E+08	0.350	0.976	0.940	Ok

15.2.2. VERIFICA A TAGLIO

Si esegue la verifica nelle due direzioni considerando il valore massimo dello sforzo di taglio allo SLU (in condizione sismica) agente sulla pila 2, pari a:

$$T_L = 2150 \text{ kN}$$

$$T_T = 2270 \text{ kN}$$

La sezione viene armata a taglio disponendo staffe $\phi 12/20$ cm a 4 bracci in direzione trasversale e staffe $\phi 12/20$ cm a 6 bracci in direzione longitudinale.

Per maggiori dettagli si rimanda alle tavole di progetto.

VERIFICA TAGLIO LONGITUDINALE (DIR.X)

VERIFICA SLU A TAGLIO PER ELEMENTI CON ARMATURA A TAGLIO					
<u>Calcolo del taglio resistente</u>					
classe cls		Rck	40.00	N/mmq	
resist. caratteristica cilindrica		fck	33.20	N/mmq	
coeff riduttivo per carichi lunga durata		α_{cc}	0.85		
coeff. parziale		γ_c	1.50		
resist. di calcolo a compressione		fcd	18.81	N/mmq	
resist. media trazione cls (trazione semplice)		fctm	3.10	N/mmq	
resist. media trazione cls (flessione)		fcfm	3.72	N/mmq	
resist. caratteristica a trazione cls (flessione)		fcfk	2.60	N/mmq	
resist.caratt. snerv.acciaio		fyk	450	N/mmq	
coeff. parziale		γ_s	1.15		
resistenza di progetto		fyd	391.30	N/mmq	
altezza membratura resistente a V		D	2.00	m	
altezza utile sezione		d	1.92	m	
larghezza membratura resist. a V		bw	4.50	m	
diametro staffe 1		Ds (1)	12	mm	
n bracci staffe 1		nb (1)	6		
interasse staffe 1		s (1)	20	cm	
diametro staffe 2		Ds (2)	0	mm	
n bracci staffe 2		nb (2)	0		
interasse staffe 2		s (2)	4	cm	
area staffe 1		Asw (1)	679		
area staffe 2		Asw (2)	0	mmq	
inclinazione staffe rispetto asse		α	90	°	
inclinazione bielle compresse cls		θ	22	°	
coefficiente maggiorativo per compressione		$\alpha_{c,c}$	1		
Resistenza taglio acciaio		Vrsd	5678	kN	
Resistenza taglio cls		Vrcd	25406	kN	
Resistenza a taglio		Vrd	5678	kN	
TAGLIO AGENTE		Vsdu	2150	kN	
			ok		
			F.S. =	2.64	

VERIFICA TAGLIO TRASVERSALE (DIR.Y)

VERIFICA SLU A TAGLIO PER ELEMENTI CON ARMATURA A TAGLIO					
<u>Calcolo del taglio resistente</u>					
classe cls		Rck	40.00	N/mm ²	
resist. caratteristica cilindrica		fck	33.20	N/mm ²	
coeff riduttivo per carichi lunga durata		α,cc	0.85		
coeff. parziale		γc	1.50		
resist. di calcolo a compressione		fcd	18.81	N/mm ²	
resist. media trazione cls (trazione semplice)		fctm	3.10	N/mm ²	
resist. media trazione cls (flessione)		fcfm	3.72	N/mm ²	
resist. caratteristica a trazione cls (flessione)		fcfk	2.60	N/mm ²	
resist.caratt. snerv.acciaio		fyk	450	N/mm ²	
coeff. parziale		γs	1.15		
resistenza di progetto		fyd	391.30	N/mm ²	
altezza membratura resistente a V		D	4.50	m	
altezza utile sezione		d	4.42	m	
larghezza membratura resist. a V		bw	2.00	m	
diametro staffe 1		Ds (1)	12	mm	
n bracci staffe 1		nb (1)	4		
interasse staffe 1		s (1)	20	cm	
diametro staffe 2		Ds (2)	0	mm	
n bracci staffe 2		nb (2)	0		
interasse staffe 2		s (2)	4	cm	
area staffe 1		Asw (1)	452		
area staffe 2		Asw (2)	0	mm ²	
inclinazione staffe rispetto asse		α	90	°	
inclinazione bielle compresse cls		θ	22	°	
coefficiente maggiorativo per compressione		α,c	1		
Resistenza taglio acciaio		Vrsd	8715	kN	
Resistenza taglio cls		Vrcd	25994	kN	
Resistenza a taglio		Vrd	8715	kN	
TAGLIO AGENTE		Vsdu	2770	kN	
			ok		
			F.S. =		3.15

15.3. PULVINO

15.3.1. CRITERI DI VERIFICA

La verifica viene condotta secondo quanto previsto dal cap. C4.1.2.1.5 della circolare esplicativa delle NTC2008.

In questo caso il meccanismo resistente è costituito da un tirante orizzontale superiore, corrispondente all'armatura tesa, e da un puntone in calcestruzzo inclinato di Ψ che riporta il carico P_{Ed} il bordo del pilastro.

Con le dimensioni geometriche riportate nella figura sottostante, attraverso l'equilibrio del nodo caricato si ottiene la portanza della mensola in termini di resistenza dell'armatura:

$$P_R = P_{RS} = (A_s f_{yd} - H_{Ed}) \frac{1}{\lambda}$$

Con $\lambda = \text{ctg} \Psi = 1 / (0.9d)$.

Per la verifica dovrà risultare:

$$P_R > P_{Ed}$$

Dovrà inoltre risultare una resistenza P_{Rc} del puntone di calcestruzzo non minore di quella correlata all'armatura con:

$$P_{Rc} = 0.4 b d f_{cd} \frac{c}{1 + \lambda^2} \geq P_{Rs}$$

Con $c=1$ per sbalzi di piastre non provvisti di staffatura e $c=1.5$ per sbalzi di travi provvisti di staffatura.

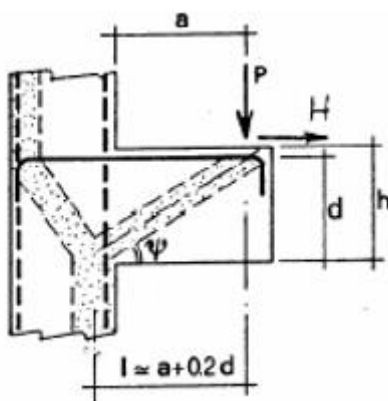


Figura 15-5 Meccanismo tirante-puntone

15.3.2. VERIFICA SLU

Si riporta di seguito la verifica eseguita. Come armatura si considera un doppio strato di $\phi 26$, per un totale di $20+10=30$ ferri disposti in una larghezza di 2.00 m.

Per il pulvino in esame, sono state cautelativamente assunte le seguenti geometrie:

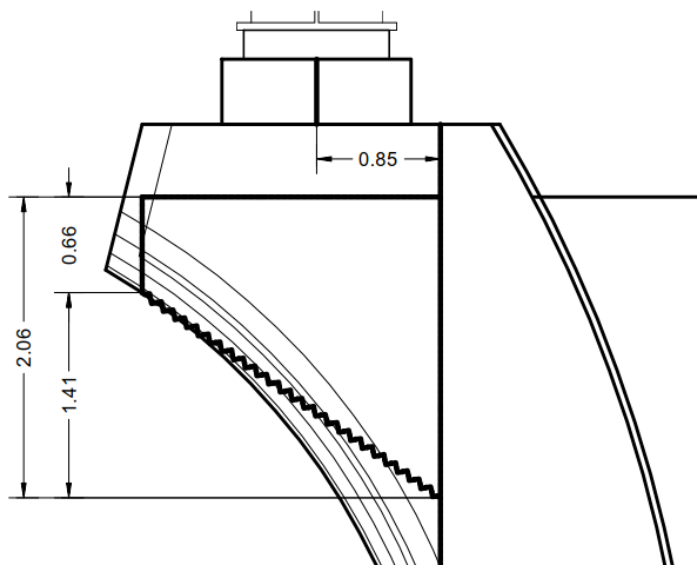


Figura 15-6 Geometria mensola tozza ipotizzata per verifica pulvino

Le sollecitazioni di verifica sono state ricavate dai massimi sforzi assiali e di taglio trasmessi dall'appoggio.

PILA 2	
APPOGGIO	DX
P [kN]	10903
V [kN]	308

Si riporta di seguito la verifica eseguita.

Verifica P2

V	10903	kN	V_{sd}	10903	kN
H	308	kN	H_{sd}	308	kN
h	206	cm			
c	15	cm			
d	191	cm			
a	85	cm			
b	200	cm			

c	1.5				
$\lambda = \text{ctg}\psi$	0.72				
Armatura richiesta da calcolo					
$A_{s,min}$	207.57	cm ²			
Armatura minima					
$A_{s,min}$	114.60	cm ²			
P_{Rs}	16962.98	kN	Verifica soddisfatta		
P_{Rc}	28487.48	kN	Gerarchia resistenze soddisfatta		
ΔP_{Rs}	0.00	kN	Gerarchia resistenze soddisfatta		
ΔP_{Rc}	0.00	kN	Verifica soddisfatta		
P_{Rd}	16962.98	kN	Verifica soddisfatta		
Armatura A_{s1}			Armatura A'_s		
ϕ	26	mm	ϕ	24	mm
n°	30	/m	n°	1	/m
A_f	318.56	cm ²	A_f	9.05	cm ²
			α	0	°

15.4. PLINTO DI FONDAZIONE

Si riportano di seguito le verifiche strutturali eseguite sui plinti di fondazione.

Per ciascuna direzione (longitudinale e trasversale) si individua una mensola fittizia con incastro posizionato in corrispondenza dell'innesto della pila.

Considerando le azioni medie sugli allineamenti dei pali, distribuite sulla lunghezza (e larghezza) del plinto, e sottraendo il peso proprio della mensola è possibile ottenere il taglio di progetto sul plinto. Moltiplicando tale azione per la distanza dei pali dall'innesto della pila e sottraendo il momento dovuto al peso proprio della mensola si ottiene il momento flettente di progetto del plinto.

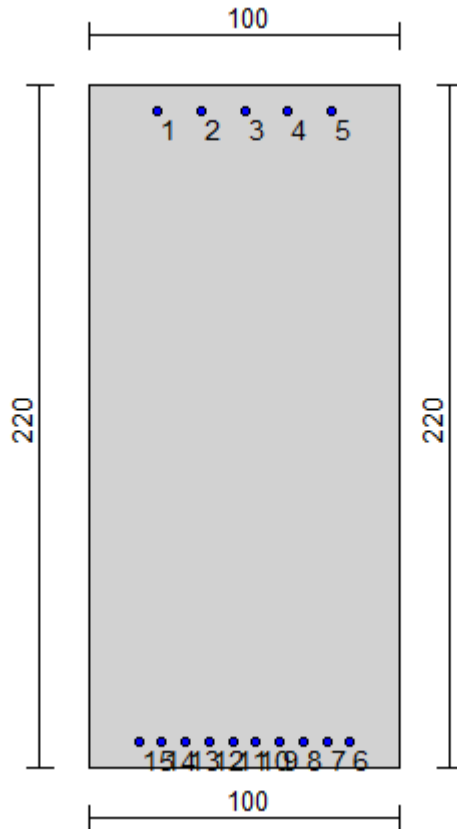
Di seguito si riportano le azioni di progetto ottenute per il plinto della pila 2; si esegue la verifica con le massime sollecitazioni sui pali.

MENSOLA LONGITUDINALE			MENSOLA TRASVERSALE		
numero pali linea più esterna		3	numero pali linea più esterna		2
larghezza mensola [m]		12.4	larghezza mensola [m]		7.58
lunghezza mensola [m]		2.79	lunghezza mensola [m]		3.95
braccio palo-pila [m]		1.59	braccio palo-pila [m]		2.75
altezza sezione [m]		2.2	altezza sezione [m]		2.2
LONGITUDINALE -SLU			TRASVERSALE -SLU		
MED (kNm/m)	1674		MED (kNm/m)	3243	
VED (kN/m)	1034		VED (kN/m)	1612	
LONGITUDINALE -SLE-R			TRASVERSALE -SLE-R		
MED (kNm/m)	964		MED (kNm/m)	2216	
VED (kN/m)	588		VED (kN/m)	1118	
LONGITUDINALE -SLE-FR			TRASVERSALE -SLE-FR		
MED (kNm/m)	812		MED (kNm/m)	1536	
VED (kN/m)	492		VED (kN/m)	801	
LONGITUDINALE -SLE-QP			TRASVERSALE -SLE-QP		
MED (kNm/m)	713		MED (kNm/m)	1252	
VED (kN/m)	430		VED (kN/m)	659	

Seguono le verifiche a pressoflessione e taglio del plinto.

DIREZIONE TRASVERSALE

VERIFICA A PRESSOFLESSIONE



Geometria della sezione:

Vertice	X	Y
n.	cm	cm
1	0.0	0.0
2	0.0	220.0
3	100.0	220.0
4	100.0	0.0

Armature:

Pos	X	Y	Area	Pretens.
n.	cm	cm	cmq	si / no
1	22.2	211.7	5.31	no
2	36.1	211.7	5.31	no
3	50.0	211.7	5.31	no
4	63.9	211.7	5.31	no
5	77.8	211.7	5.31	no
6	84.1	8.3	5.31	no
7	76.5	8.3	5.31	no
8	69.0	8.3	5.31	no
9	61.4	8.3	5.31	no
10	53.8	8.3	5.31	no
11	46.2	8.3	5.31	no
12	38.6	8.3	5.31	no
13	31.0	8.3	5.31	no
14	23.5	8.3	5.31	no
15	15.9	8.3	5.31	no

Normativa di riferimento:

D.M. 17/01/2018 - 'Norme tecniche per le costruzioni'

Note:

Verifiche SLE per ambiente ordinario

Materiali:

Calcestruzzo classe: C25/30

R_{ck} (resistenza caratteristica cubica a compressione) = 300.00 daN/cm²
 f_{ck} (resistenza caratteristica cilindrica a compressione) = 249.00 daN/cm²
 $f_{cd} = 141.10$ daN/cm² ($\alpha_{cc} = 0.85$; $\gamma_c = 1.50$)
 f_{ctm} (resistenza a trazione media) = 25.58 daN/cm²
 G (modulo di elasticità tangenziale) = 140389 daN/cm²
 E (modulo elastico istantaneo iniziale) = 314472 daN/cm²
 ν (coefficiente di contrazione trasversale) = 0.20
 Coefficiente di dilatazione termica = 0.000050
 Peso specifico del calcestruzzo armato = 2500 daN/mc

Barre d'acciaio ad aderenza migliorata tipo: B450C

f_{yk} (tensione caratteristica di snervamento) = 4500 daN/cm²
 $f_{yd} = 3913$ daN/cm² ($\gamma_a = 1.15$)
 f_{kt} (tensione caratteristica di rottura) = 5400 daN/cm²
 ϵ_{uk} (deformazione di rottura) = 0.075
 G (modulo di elasticità tangenziale) = 770000 daN/cm²
 E (modulo elastico) = 2000000 daN/cm²
 ν (coefficiente di contrazione trasversale) = 0.30
 Coefficiente di dilatazione termica = 0.000012
 Peso specifico = 7850 daN/mc

Intersezioni del dominio con gli assi N, Mx e My:

asse N - ($M_x = 0$, $M_y = 0$) $N_u = -3116.3$ kN
 asse N + ($M_x = 0$, $M_y = 0$) $N_u = 34158.3$ kN
 asse Mx + ($N = 0$, $M_y = 0$) $M_{xu} = 4269.7$ kN m
 asse Mx - ($N = 0$, $M_y = 0$) $M_{xu} = -2159.1$ kN m
 asse My + ($N = 0$, $M_x = 0$) $M_{yu} = 1342.6$ kN m
 asse My - ($N = 0$, $M_x = 0$) $M_{yu} = -1342.6$ kN m

Verifiche stato limite ultimo:

Per ogni combinazione di carico saranno svolte le verifiche:
 Verifica per M_{xu} , M_{yu} e N_u proporzionali (sigla t.v.= P)
 Verifica con rapporto M_{xu} , M_{yu} assegnato (sigla t.v.= M)
 Verifica con N_u costante (sigla t.v.= N)

Verifiche SLU (verifica Ok per $S_d/S_u < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	kN m	kN m	kN	kN m	kN	kN
1	0.0	3243.0	0.0	0.0	0.0	0.0

Risultati combinazioni maggiormente gravose:

Cmb	N	Mx	My	t.v.	Nu	Mxu	Myu	ϵ_{cls}	$\epsilon_{acciaio}$	Sd/Su	Ver
n.	kN	kN m	kN m		kN	kN m	kN m	%	%		
1	0.0	3243.0	0.0	P	0.0	4269.7	0.0	0.350	5.521	0.760	Ok
1	0.0	3243.0	0.0	M	29129.2	3239.4	0.0	0.316	0.055	0.000	Ok
1	0.0	3243.0	0.0	N	0.0	4269.7	0.0	0.350	5.521	0.760	Ok

Verifiche stato limite di esercizio per c. c. rare:

Valori limite (tensioni: segno (+) = compressione, (-) = trazione):

CLS: $\sigma_{cL} = 14940.0$ kN/mq (verifica Ok per $\sigma_c/\sigma_{cL} < 1$)

Acciaio: $\sigma_{aL} = 360000.0$ kN/mq (verifica Ok per $\sigma_a/\sigma_{aL} < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	kN m	kN m	kN	kN m	kN	kN
1	0.0	3243.0	0.0	0.0	0.0	0.0

2	2216.0	0.0	0.0	0.0	0.0	0.0
---	--------	-----	-----	-----	-----	-----

Risultati combinazioni maggiormente gravosa:

Cmb	Mx	My	N	σ_c	σ_c/σ_{cL}	σ_a	σ_a/σ_{aL}	Ver
n.	kN m	kN m	kN	kN/mq		kN/mq		
2	2216.0	0.0	0.0	4136.8	0.28	-212233.1	0.59	Ok

Verifiche stato limite di esercizio per c. c. frequenti:

Valori limite:

Fessure: $W_{kL} = 0.40$ mm (verifica Ok per $W_k/W_{kL} < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	kN m	kN m	kN	kN m	kN	kN
3	1536.0	0.0	0.0	0.0	0.0	0.0

Risultati combinazioni maggiormente gravosa:

Cmb	Mx	My	N	Wk	Wk/WkL	Ver
n.	kN m	kN m	kN	mm		
3	1536.0	0.0	0.0	0.00	0.00	Ok

Verifiche stato limite di esercizio per c. c. quasi permanenti:

Valori limite:

CLS: $\sigma_{cL} = 11205.0$ kN/mq (verifica Ok per $\sigma_c/\sigma_{cL} < 1$)

Fessure: $W_{kL} = 0.30$ mm (verifica Ok per $W_k/W_{kL} < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	kN m	kN m	kN	kN m	kN	kN
4	1252.0	0.0	0.0	0.0	0.0	0.0

Risultati combinazioni maggiormente gravosa:

Cmb	Mx	My	N	σ_c	σ_c/σ_{cL}	Wk	Wk/WkL	Ver
n.	kN m	kN m	kN	kN/mq		mm		
4	1252.0	0.0	0.0	2337.2	0.21	0.00	0.00	Ok

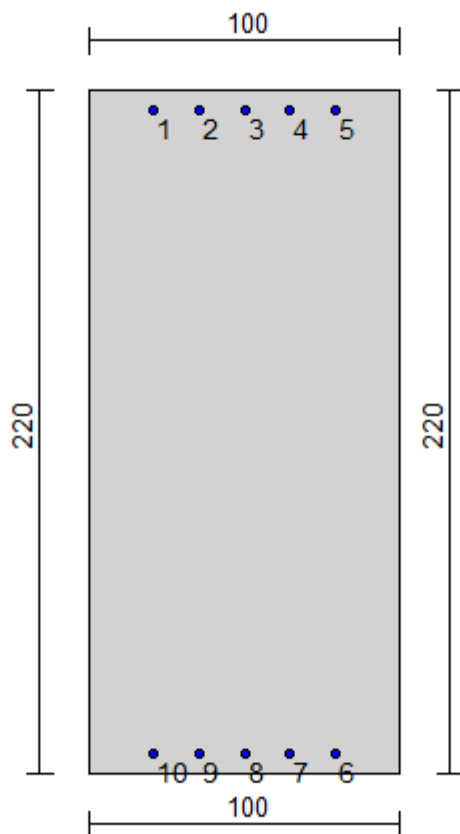
VERIFICA A TAGLIO

Si considera l'impiego di cavallotti $\phi 26/mq$

VERIFICA SLU A TAGLIO PER ELEMENTI CON ARMATURA A TAGLIO				
<u>Calcolo del taglio resistente</u>				
classe cls	Rck		30.00	N/mmq
resist. caratteristica cilindrica	fck		24.90	N/mmq
coeff riduttivo per carichi lunga durata	α, cc		0.85	
coeff. parziale	γ_c		1.50	
resist. di calcolo a compressione	fcd		14.11	N/mmq
resist. media trazione cls (trazione semplice)	fctm		2.56	N/mmq
resist. media trazione cls (flessione)	fcfm		3.07	N/mmq
resist. caratteristica a trazione cls (flessione)	fcfk		2.15	N/mmq
resist.caratt. snerv.acciaio	fyk		450	N/mmq
coeff. parziale	γ_s		1.15	
resistenza di progetto	fyd		391.30	N/mmq
altezza membratura resistente a V	D		2.20	m
altezza utile sezione	d		2.10	m
larghezza membratura resist. a V	bw		1.00	m
diametro staffe 1	Ds (1)		26	mm
n bracci staffe 1	nb (1)		2	
interasse staffe 1	s (1)		100	cm
diametro staffe 2	Ds (2)		0	mm
n bracci staffe 2	nb (2)		0	
interasse staffe 2	s (2)		4	cm
area staffe 1	Asw (1)		1062	
area staffe 2	Asw (2)		0	mmq
inclinazione staffe rispetto asse	α		90	°
inclinazione bielle compresse cls	θ		22	°
coefficiente maggiorativo per compressione	α, c		1	
Resistenza taglio acciaio	Vrsd		1944	kN
Resistenza taglio cls	Vrcd		4631	kN
Resistenza a taglio	Vrd		1944	kN
TAGLIO AGENTE	Vsdu		1612	kN
			ok	
			F.S. =	1.21

DIREZIONE LONGITUDINALE

VERIFICA A PRESSOFLESSIONE



Geometria della sezione:

Vertice	X	Y
n.	cm	cm
1	0.0	0.0
2	0.0	220.0
3	100.0	220.0
4	100.0	0.0

Armature:

Pos	X	Y	Area	Pretens.
n.	cm	cm	cmq	si / no
1	20.9	213.7	5.31	no
2	35.4	213.7	5.31	no
3	50.0	213.7	5.31	no
4	64.6	213.7	5.31	no
5	79.1	213.7	5.31	no
6	79.1	6.3	5.31	no
7	64.6	6.3	5.31	no
8	50.0	6.3	5.31	no
9	35.4	6.3	5.31	no
10	20.9	6.3	5.31	no

Normativa di riferimento:

D.M. 17/01/2018 - 'Norme tecniche per le costruzioni'

Note:

Verifiche SLE per ambiente ordinario

Materiali:

Calcestruzzo classe: C25/30

Rck (resistenza caratteristica cubica a compressione) = 300.00 daN/cm²

fck (resistenza caratteristica cilindrica a compressione) = 249.00 daN/cm²

$f_{cd} = 141.10 \text{ daN/cm}^2$ ($\alpha_{cc} = 0.85$; $\gamma_c = 1.50$)
 f_{ctm} (resistenza a trazione media) = 25.58 daN/cm^2
 G (modulo di elasticità tangenziale) = 140389 daN/cm^2
 E (modulo elastico istantaneo iniziale) = 314472 daN/cm^2
 ν (coefficiente di contrazione trasversale) = 0.20
 Coefficiente di dilatazione termica = 0.000050
 Peso specifico del calcestruzzo armato = 2500 daN/mc

Barre d'acciaio ad aderenza migliorata tipo: B450C

f_{yk} (tensione caratteristica di snervamento) = 4500 daN/cm^2
 $f_{yd} = 3913 \text{ daN/cm}^2$ ($\gamma_a = 1.15$)
 f_{kt} (tensione caratteristica di rottura) = 5400 daN/cm^2
 ϵ_{uk} (deformazione di rottura) = 0.075
 G (modulo di elasticità tangenziale) = 770000 daN/cm^2
 E (modulo elastico) = 2000000 daN/cm^2
 ν (coefficiente di contrazione trasversale) = 0.30
 Coefficiente di dilatazione termica = 0.000012
 Peso specifico = 7850 daN/mc

Intersezioni del dominio con gli assi N, Mx e My:

asse N - ($M_x = 0$, $M_y = 0$) $N_u = -2077.5 \text{ kN}$
 asse N + ($M_x = 0$, $M_y = 0$) $N_u = 33119.5 \text{ kN}$
 asse Mx + ($N = 0$, $M_y = 0$) $M_{xu} = 2181.6 \text{ kN m}$
 asse Mx - ($N = 0$, $M_y = 0$) $M_{xu} = -2181.6 \text{ kN m}$
 asse My + ($N = 0$, $M_x = 0$) $M_{yu} = 967.3 \text{ kN m}$
 asse My - ($N = 0$, $M_x = 0$) $M_{yu} = -967.3 \text{ kN m}$

Verifiche stato limite ultimo:

Per ogni combinazione di carico saranno svolte le verifiche:
 Verifica per M_{xu} , M_{yu} e N_u proporzionali (sigla t.v.= P)
 Verifica con rapporto M_{xu} , M_{yu} assegnato (sigla t.v.= M)
 Verifica con N_u costante (sigla t.v.= N)

Verifiche SLU (verifica Ok per $S_d/S_u < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	kN	kN m	kN	kN m	kN	kN
1	0.0	1674.0	0.0	0.0	0.0	0.0

Risultati combinazioni maggiormente gravose:

Cmb	N	Mx	My	t.v.	Nu	Mxu	Myu	ϵ_{cls}	$\epsilon_{acciaio}$	Sd/Su	Ver
n.	kN	kN m	kN m		kN	kN m	kN m	%	%		
1	0.0	1674.0	0.0	P	0.0	2181.6	0.0	0.350	10.106	0.770	Ok
1	0.0	1674.0	0.0	M	31147.0	1671.2	0.0	0.275	0.105	0.000	Ok
1	0.0	1674.0	0.0	N	0.0	2181.6	0.0	0.350	10.106	0.770	Ok

Verifiche stato limite di esercizio per c. c. rare:

Valori limite (tensioni: segno (+) = compressione, (-) = trazione):
 CLS: $\sigma_{cL} = 14940.0 \text{ kN/m}^2$ (verifica Ok per $\sigma_c/\sigma_{cL} < 1$)
 Acciaio: $\sigma_{aL} = 360000.0 \text{ kN/m}^2$ (verifica Ok per $\sigma_a/\sigma_{aL} < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	kN	kN m	kN	kN m	kN	kN
2	964.0	0.0	0.0	0.0	0.0	0.0

Risultati combinazioni maggiormente gravosa:

Cmb	Mx	My	N	σ_c	σ_c/σ_{cL}	σ_a	σ_a/σ_{aL}	Ver
-----	----	----	---	------------	------------------------	------------	------------------------	-----

n.	kN m	kN m	kN	kN/mq		kN/mq		
2	964.0	0.0	0.0	2307.6	0.15	-178900.6	0.50	Ok

Verifiche stato limite di esercizio per c. c. frequenti:

Valori limite:

Fessure: $WkL = 0.40$ mm (verifica Ok per $Wk/WkL < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	kN m	kN m	kN	kN m	kN	kN
3	812.0	0.0	0.0	0.0	0.0	0.0

Risultati combinazioni maggiormente gravosa:

Cmb	Mx	My	N	Wk	Wk/WkL	Ver
n.	kN m	kN m	kN	mm		
3	812.0	0.0	0.0	0.00	0.00	Ok

Verifiche stato limite di esercizio per c. c. quasi permanenti:

Valori limite:

CLS: $\sigma_{cL} = 11205.0$ kN/mq (verifica Ok per $\sigma_c/\sigma_{cL} < 1$)

Fessure: $WkL = 0.30$ mm (verifica Ok per $Wk/WkL < 1$)

Cmb	N	Mx	My	T	Vx	Vy
n.	kN m	kN m	kN	kN m	kN	kN
4	713.0	0.0	0.0	0.0	0.0	0.0

Risultati combinazioni maggiormente gravosa:

Cmb	Mx	My	N	σ_c	σ_c/σ_{cL}	Wk	Wk/WkL	Ver
n.	kN m	kN m	kN	kN/mq		mm		
4	713.0	0.0	0.0	1706.8	0.15	0.00	0.00	Ok

VERIFICA A TAGLIO

Si considera l'impiego di cavallotti $\phi 26$ /mq.

VERIFICA SLU A TAGLIO PER ELEMENTI CON ARMATURA A TAGLIO						
<u>Calcolo del taglio resistente</u>						
classe cls		Rck		30.00		N/mm ²
resist. caratteristica cilindrica		fck		24.90		N/mm ²
coeff riduttivo per carichi lunga durata		α_{cc}		0.85		
coeff. parziale		γ_c		1.50		
resist. di calcolo a compressione		fcd		14.11		N/mm ²
resist. media trazione cls (trazione semplice)		fctm		2.56		N/mm ²
resist. media trazione cls (flessione)		fctm		3.07		N/mm ²
resist. caratteristica a trazione cls (flessione)		fck		2.15		N/mm ²
resist.caratt. snerv.acciaio		fyk		450		N/mm ²
coeff. parziale		γ_s		1.15		
resistenza di progetto		f _{yd}		391.30		N/mm ²
altezza membratura resistente a V		D		2.20		m
altezza utile sezione		d		2.10		m
larghezza membratura resist. a V		bw		1.00		m
diametro staffe 1		D _s (1)		26		mm
n bracci staffe 1		n _b (1)		2		
interasse staffe 1		s (1)		100		cm
diametro staffe 2		D _s (2)		0		mm
n bracci staffe 2		n _b (2)		0		
interasse staffe 2		s (2)		4		cm
area staffe 1		A _{sw} (1)		1062		
area staffe 2		A _{sw} (2)		0		mm ²
inclinazione staffe rispetto asse		α		90		°
inclinazione bielle compresse cls		θ		22		°
coefficiente maggiorativo per compressione		α_{cc}		1		
Resistenza taglio acciaio		V_{rsd}		1944		kN
Resistenza taglio cls		V_{rzd}		4631		kN
Resistenza a taglio		V_{rd}		1944		kN
TAGLIO AGENTE		V_{sdu}		1034		kN
				ok		
				F.S. =		1.88

15.5. PALI DI FONDAZIONE

La fondazione è realizzata mediante una palificata composta da 8 pali f1200 di lunghezza media 9.00 m e caratteristiche geometriche:

PALI	
n° =	8
$\Sigma y^2 =$	40.25 m ²
y max =	2.59 m
$\Sigma x^2 =$	112.5 m ²
x max =	5 m
N.B. x in trasversale	

I pali sono collegati tramite una platea di spessore 2,20m.

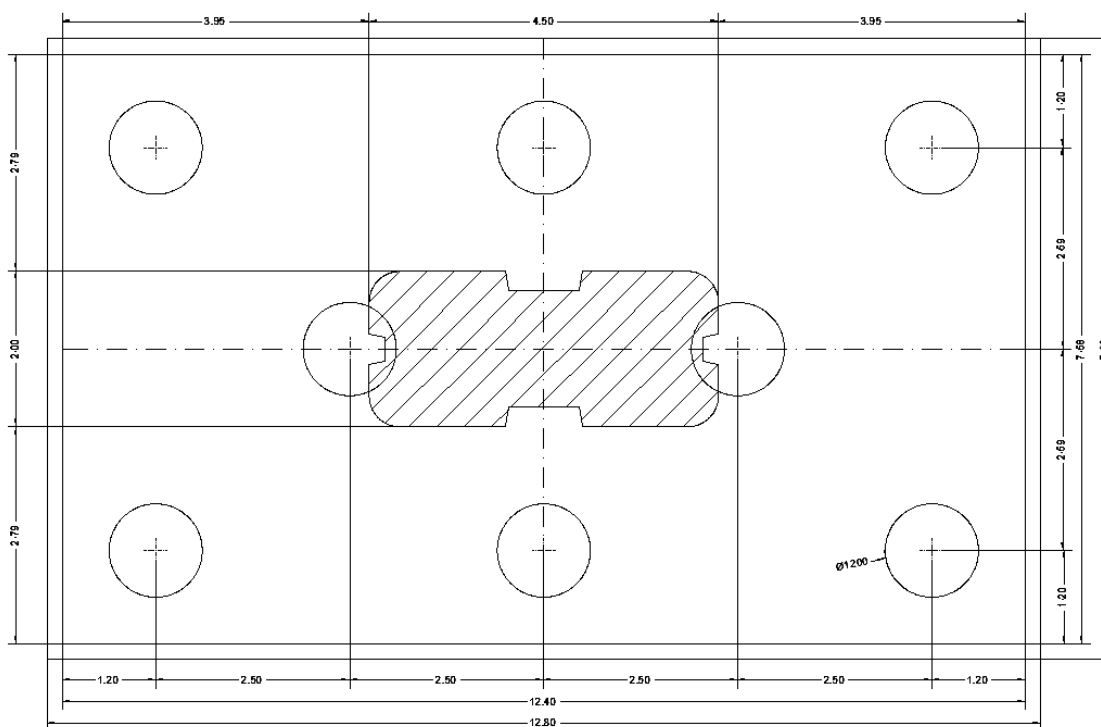


Figura 15-7 Geometria palificata pila 2

15.5.1. SOLLECITAZIONI AGENTI

NR	TIPO	Nmax (KN)	Nmin (KN)	T (KN)	M (KNm)
1	SLU-1	3990.34	1689.67	95.90	194.13
2	SLU-1	4439.51	2783.76	100.64	203.72
3	SLU-1	4309.93	1761.19	94.35	190.98
4	SLU-1	4120.99	2720.06	102.20	206.88
5	SLU-1	4318.59	2236.07	99.86	202.14
6	SLU-1	4211.01	2362.67	98.35	199.08
7	SLU-2	3984.65	1707.48	96.10	194.52
8	SLU-2	5073.03	2141.09	91.71	185.64
9	SLU-2	5022.82	1837.79	90.13	182.44
10	SLU-2	4035.90	2011.74	97.71	197.78
11	SLU-2	4642.34	1918.60	93.97	190.21
12	SLU-2	4537.12	2024.46	92.63	187.51
13	SLU-3	4060.68	1619.52	96.33	194.99
14	SLU-3	5135.70	2087.76	91.27	184.74
15	SLU-3	4138.13	1933.17	98.00	198.37
16	SLU-3	5064.53	1776.70	89.58	181.34
17	SLU-3	4695.30	1859.54	94.46	191.21
18	SLU-3	4615.86	1958.00	91.56	185.34
19	SLU-4	4053.00	1639.32	95.59	193.50
20	SLU-4	4506.95	2707.35	100.37	203.18
21	SLU-4	4214.35	2646.45	102.18	206.84
22	SLU-4	4346.63	1701.20	93.79	189.85
23	SLU-4	4376.95	2184.17	100.23	202.90
24	SLU-4	4290.78	2270.98	97.44	197.24
25	SLU-5	4044.77	1746.38	95.81	193.94
26	SLU-5	4493.94	2840.47	100.56	203.55
27	SLU-5	4364.36	1817.90	94.25	190.79
28	SLU-5	4175.42	2776.77	102.12	206.71
29	SLU-5	4373.02	2292.78	99.76	201.94
30	SLU-5	4265.44	2419.38	98.27	198.91
31	SLU-6	4039.08	1764.19	96.01	194.34
32	SLU-6	5127.46	2197.81	91.61	185.45
33	SLU-6	5077.25	1894.50	90.03	182.25
34	SLU-6	4090.33	2068.46	97.62	197.60
35	SLU-6	4696.77	1975.32	93.87	190.01
36	SLU-6	4591.55	2081.17	92.55	187.34
37	SLU-7	4111.83	1679.51	96.30	194.93
38	SLU-7	5186.85	2147.75	91.23	184.68
39	SLU-7	4189.29	1993.16	97.97	198.31
40	SLU-7	5115.68	1836.69	89.55	181.27
41	SLU-7	4746.45	1919.53	94.42	191.13
42	SLU-7	4667.01	2017.99	91.54	185.29
43	SLU-8	4104.15	1699.31	95.57	193.45
44	SLU-8	4558.11	2767.34	100.35	203.12

45	SLU-8	4265.50	2706.44	102.15	206.78
46	SLU-8	4397.78	1761.19	93.76	189.79
47	SLU-8	4428.10	2244.16	100.20	202.83
48	SLU-8	4341.93	2330.97	97.42	197.20
49	SLU-9	3979.33	1679.00	95.89	194.10
50	SLU-9	4428.50	2773.09	100.63	203.70
51	SLU-9	4298.93	1750.52	94.33	190.95
52	SLU-9	4109.98	2709.39	102.19	206.86
53	SLU-9	4307.58	2225.40	99.85	202.11
54	SLU-9	4200.00	2352.00	98.34	199.06
55	SLU-10	3973.64	1696.81	96.09	194.50
56	SLU-10	5062.02	2130.42	91.70	185.61
57	SLU-10	5011.81	1827.12	90.12	182.41
58	SLU-10	4024.89	2001.07	97.70	197.76
59	SLU-10	4631.33	1907.93	93.95	190.19
60	SLU-10	4526.11	2013.79	92.62	187.49
61	SLU-11	4049.84	1608.68	96.34	195.01
62	SLU-11	5124.85	2076.93	91.27	184.76
63	SLU-11	4127.29	1922.33	98.00	198.38
64	SLU-11	5053.69	1765.87	89.59	181.35
65	SLU-11	4684.46	1848.70	94.47	191.23
66	SLU-11	4605.01	1947.17	91.57	185.35
67	SLU-12	4042.15	1628.48	95.60	193.52
68	SLU-12	4496.11	2696.52	100.38	203.19
69	SLU-12	4203.51	2635.61	102.19	206.85
70	SLU-12	4335.78	1690.36	93.80	189.86
71	SLU-12	4366.11	2173.34	100.24	202.91
72	SLU-12	4279.94	2260.14	97.45	197.26
73	SLU-13	4033.76	1735.71	95.80	193.92
74	SLU-13	4482.93	2829.80	100.54	203.53
75	SLU-13	4353.35	1807.23	94.24	190.77
76	SLU-13	4164.41	2766.10	102.11	206.69
77	SLU-13	4362.01	2282.11	99.75	201.92
78	SLU-13	4254.43	2408.71	98.26	198.89
79	SLU-14	4028.07	1753.52	96.00	194.32
80	SLU-14	5116.45	2187.13	91.60	185.43
81	SLU-14	5066.24	1883.83	90.02	182.22
82	SLU-14	4079.32	2057.78	97.61	197.58
83	SLU-14	4685.76	1964.65	93.86	189.98
84	SLU-14	4580.54	2070.50	92.54	187.32
85	SLU-15	4100.99	1668.67	96.31	194.95
86	SLU-15	5176.00	2136.92	91.24	184.69
87	SLU-15	4178.44	1982.32	97.97	198.32
88	SLU-15	5104.84	1825.86	89.56	181.28
89	SLU-15	4735.61	1908.69	94.43	191.15
90	SLU-15	4656.16	2007.16	91.55	185.31
91	SLU-16	4093.30	1688.47	95.57	193.46
92	SLU-16	4547.26	2756.51	100.35	203.14

93	SLU-16	4254.66	2695.60	102.16	206.80
94	SLU-16	4386.93	1750.35	93.77	189.80
95	SLU-16	4417.26	2233.33	100.21	202.84
96	SLU-16	4331.09	2320.13	97.43	197.22
97	SLU-17	3219.31	919.12	95.89	194.11
98	SLU-17	3668.49	2013.21	100.63	203.71
99	SLU-17	3538.91	990.64	94.34	190.96
100	SLU-17	3349.96	1949.51	102.19	206.86
101	SLU-17	3547.56	1465.52	99.85	202.12
102	SLU-17	3439.98	1592.12	98.34	199.06
103	SLU-18	3213.63	936.93	96.09	194.50
104	SLU-18	4302.01	1370.55	91.70	185.62
105	SLU-18	4251.80	1067.24	90.12	182.42
106	SLU-18	3264.87	1241.20	97.70	197.76
107	SLU-18	3871.31	1148.06	93.96	190.19
108	SLU-18	3766.09	1253.91	92.62	187.49
109	SLU-19	3290.21	848.41	96.34	195.01
110	SLU-19	4365.23	1316.66	91.28	184.76
111	SLU-19	3367.67	1162.06	98.01	198.39
112	SLU-19	4294.06	1005.60	89.59	181.36
113	SLU-19	3924.84	1088.43	94.47	191.24
114	SLU-19	3845.39	1186.90	91.57	185.36
115	SLU-20	3282.53	868.21	95.61	193.53
116	SLU-20	3736.49	1936.25	100.38	203.20
117	SLU-20	3443.88	1875.34	102.19	206.86
118	SLU-20	3576.16	930.09	93.80	189.87
119	SLU-20	3606.49	1413.07	100.24	202.92
120	SLU-20	3520.32	1499.87	97.45	197.27
121	SLU-21	3273.74	975.84	95.80	193.92
122	SLU-21	3722.92	2069.93	100.55	203.53
123	SLU-21	3593.34	1047.35	94.24	190.77
124	SLU-21	3404.39	2006.23	102.11	206.69
125	SLU-21	3601.99	1522.23	99.75	201.92
126	SLU-21	3494.41	1648.83	98.26	198.90
127	SLU-22	3268.06	993.65	96.00	194.32
128	SLU-22	4356.44	1427.26	91.60	185.43
129	SLU-22	4306.22	1123.95	90.02	182.23
130	SLU-22	3319.30	1297.91	97.61	197.59
131	SLU-22	3925.74	1204.77	93.86	189.99
132	SLU-22	3820.52	1310.62	92.54	187.32
133	SLU-23	3341.36	908.40	96.31	194.95
134	SLU-23	4416.38	1376.65	91.24	184.70
135	SLU-23	3418.82	1222.05	97.98	198.33
136	SLU-23	4345.22	1065.59	89.56	181.29
137	SLU-23	3975.99	1148.42	94.43	191.16
138	SLU-23	3896.54	1246.89	91.55	185.31
139	SLU-24	3333.68	928.20	95.58	193.47
140	SLU-24	3787.64	1996.24	100.36	203.15

141	SLU-24	3495.03	1935.33	102.16	206.81
142	SLU-24	3627.31	990.08	93.77	189.81
143	SLU-24	3657.64	1473.06	100.21	202.85
144	SLU-24	3571.47	1559.86	97.43	197.23
145	SLU-25	3208.31	908.45	95.88	194.08
146	SLU-25	3657.48	2002.54	100.62	203.68
147	SLU-25	3527.90	979.97	94.32	190.93
148	SLU-25	3338.96	1938.84	102.18	206.84
149	SLU-25	3536.56	1454.85	99.84	202.09
150	SLU-25	3428.98	1581.45	98.33	199.04
151	SLU-26	3202.62	926.26	96.08	194.48
152	SLU-26	4291.00	1359.87	91.69	185.59
153	SLU-26	4240.79	1056.57	90.11	182.40
154	SLU-26	3253.87	1230.52	97.69	197.74
155	SLU-26	3860.31	1137.38	93.95	190.17
156	SLU-26	3755.09	1243.24	92.61	187.47
157	SLU-27	3279.37	837.57	96.35	195.03
158	SLU-27	4354.39	1305.82	91.28	184.78
159	SLU-27	3356.83	1151.23	98.01	198.40
160	SLU-27	4283.22	994.76	89.60	181.37
161	SLU-27	3914.00	1077.59	94.48	191.25
162	SLU-27	3834.55	1176.06	91.58	185.38
163	SLU-28	3271.69	857.38	95.61	193.54
164	SLU-28	3725.65	1925.41	100.39	203.22
165	SLU-28	3433.04	1864.50	102.20	206.88
166	SLU-28	3565.32	919.26	93.81	189.89
167	SLU-28	3595.64	1402.23	100.25	202.93
168	SLU-28	3509.48	1489.03	97.46	197.28
169	SLU-29	3262.74	965.16	95.79	193.90
170	SLU-29	3711.91	2059.25	100.53	203.51
171	SLU-29	3582.33	1036.68	94.23	190.75
172	SLU-29	3393.39	1995.56	102.10	206.67
173	SLU-29	3590.99	1511.56	99.74	201.90
174	SLU-29	3483.40	1638.16	98.25	198.87
175	SLU-30	3257.05	982.97	95.99	194.30
176	SLU-30	4345.43	1416.59	91.59	185.41
177	SLU-30	4295.22	1113.28	90.01	182.20
178	SLU-30	3308.30	1287.24	97.60	197.56
179	SLU-30	3914.73	1194.10	93.85	189.97
180	SLU-30	3809.51	1299.95	92.53	187.30
181	SLU-31	3330.52	897.56	96.32	194.97
182	SLU-31	4405.54	1365.81	91.25	184.71
183	SLU-31	3407.98	1211.22	97.98	198.34
184	SLU-31	4334.37	1054.75	89.57	181.31
185	SLU-31	3965.15	1137.58	94.44	191.17
186	SLU-31	3885.70	1236.05	91.56	185.33
187	SLU-32	3322.84	917.37	95.58	193.48
188	SLU-32	3776.80	1985.40	100.37	203.16

189	SLU-32	3484.19	1924.49	102.17	206.82
190	SLU-32	3616.47	979.25	93.78	189.83
191	SLU-32	3646.80	1462.22	100.22	202.86
192	SLU-32	3560.63	1549.02	97.44	197.24
193	SLU-33	4482.59	1279.73	110.28	223.22
194	SLU-33	4703.20	1840.16	112.15	227.02
195	SLU-33	4633.91	1314.79	109.70	222.05
196	SLU-33	4552.66	1810.94	112.72	228.17
197	SLU-33	4659.41	1573.95	112.67	228.06
198	SLU-33	4601.20	1639.92	110.71	224.10
199	SLU-34	4477.39	1291.32	110.14	222.96
200	SLU-34	5035.79	1503.79	108.45	219.53
201	SLU-34	5011.16	1360.12	107.89	218.39
202	SLU-34	4502.74	1435.66	110.72	224.13
203	SLU-34	4828.37	1404.41	109.81	222.28
204	SLU-34	4776.14	1461.56	108.04	218.69
205	SLU-35	4525.08	1237.42	110.33	223.33
206	SLU-35	5073.61	1469.94	108.04	218.69
207	SLU-35	4562.11	1386.78	110.98	224.64
208	SLU-35	5041.27	1322.52	107.37	217.34
209	SLU-35	4864.09	1369.46	109.88	222.43
210	SLU-35	4820.69	1420.60	107.31	217.23
211	SLU-36	4519.95	1248.94	109.78	222.21
212	SLU-36	4744.02	1795.73	111.91	226.52
213	SLU-36	4605.31	1766.15	112.67	228.07
214	SLU-36	4659.38	1279.21	109.02	220.67
215	SLU-36	4694.72	1538.24	112.65	228.02
216	SLU-36	4650.09	1587.80	110.20	223.07
217	SLU-37	4537.02	1336.45	110.13	222.94
218	SLU-37	4757.63	1896.87	112.01	226.74
219	SLU-37	4688.34	1371.50	109.55	221.76
220	SLU-37	4607.09	1867.66	112.58	227.89
221	SLU-37	4713.83	1630.67	112.52	227.77
222	SLU-37	4655.62	1696.63	110.57	223.82
223	SLU-38	4531.82	1348.03	110.00	222.67
224	SLU-38	5090.21	1560.50	108.31	219.24
225	SLU-38	5065.59	1416.83	107.74	218.09
226	SLU-38	4557.17	1492.37	110.58	223.84
227	SLU-38	4882.80	1461.12	109.66	221.99
228	SLU-38	4830.57	1518.27	107.90	218.41
229	SLU-39	4576.23	1297.41	110.24	223.15
230	SLU-39	5124.76	1529.93	107.95	218.51
231	SLU-39	4613.26	1446.77	110.89	224.46
232	SLU-39	5092.42	1382.51	107.28	217.15
233	SLU-39	4915.24	1429.45	109.79	222.24
234	SLU-39	4871.84	1480.59	107.23	217.05
235	SLU-40	4571.10	1308.93	109.69	222.03
236	SLU-40	4795.17	1855.72	111.82	226.35

237	SLU-40	4656.46	1826.14	112.58	227.89
238	SLU-40	4710.53	1339.20	108.93	220.49
239	SLU-40	4745.87	1598.23	112.56	227.84
240	SLU-40	4701.24	1647.79	110.11	222.90
241	SLU-41	4471.58	1269.06	110.26	223.20
242	SLU-41	4692.20	1829.49	112.14	227.00
243	SLU-41	4622.90	1304.12	109.68	222.02
244	SLU-41	4541.65	1800.27	112.71	228.15
245	SLU-41	4648.40	1563.28	112.66	228.04
246	SLU-41	4590.19	1629.24	110.70	224.07
247	SLU-42	4466.39	1280.65	110.13	222.93
248	SLU-42	5024.78	1493.12	108.44	219.51
249	SLU-42	5000.16	1349.45	107.87	218.36
250	SLU-42	4491.73	1424.99	110.71	224.11
251	SLU-42	4817.36	1393.74	109.80	222.26
252	SLU-42	4765.13	1450.89	108.03	218.67
253	SLU-43	4514.24	1226.59	110.33	223.34
254	SLU-43	5062.76	1459.11	108.04	218.70
255	SLU-43	4551.27	1375.94	110.98	224.65
256	SLU-43	5030.43	1311.68	107.37	217.35
257	SLU-43	4853.24	1358.62	109.89	222.44
258	SLU-43	4809.85	1409.77	107.32	217.24
259	SLU-44	4509.11	1238.11	109.78	222.22
260	SLU-44	4733.18	1784.90	111.91	226.53
261	SLU-44	4594.47	1755.32	112.67	228.08
262	SLU-44	4648.53	1268.37	109.02	220.68
263	SLU-44	4683.88	1527.40	112.65	228.03
264	SLU-44	4639.25	1576.96	110.21	223.08
265	SLU-45	4526.01	1325.77	110.12	222.91
266	SLU-45	4746.63	1886.20	112.00	226.71
267	SLU-45	4677.33	1360.83	109.54	221.73
268	SLU-45	4596.08	1856.98	112.57	227.86
269	SLU-45	4702.83	1619.99	112.51	227.75
270	SLU-45	4644.62	1685.96	110.56	223.79
271	SLU-46	4520.81	1337.36	109.99	222.65
272	SLU-46	5079.21	1549.83	108.30	219.22
273	SLU-46	5054.58	1406.16	107.73	218.07
274	SLU-46	4546.16	1481.70	110.57	223.82
275	SLU-46	4871.79	1450.45	109.65	221.96
276	SLU-46	4819.56	1507.60	107.88	218.38
277	SLU-47	4565.39	1286.58	110.24	223.16
278	SLU-47	5113.91	1519.10	107.95	218.52
279	SLU-47	4602.42	1435.93	110.89	224.47
280	SLU-47	5081.58	1371.67	107.28	217.16
281	SLU-47	4904.39	1418.61	109.79	222.25
282	SLU-47	4861.00	1469.76	107.23	217.06
283	SLU-48	4560.26	1298.10	109.69	222.04
284	SLU-48	4784.33	1844.89	111.82	226.36

285	SLU-48	4645.62	1815.31	112.59	227.90
286	SLU-48	4699.68	1328.36	108.93	220.50
287	SLU-48	4735.03	1587.39	112.56	227.85
288	SLU-48	4690.40	1636.95	110.12	222.91
289	SLU-49	3817.06	1947.69	92.08	186.39
290	SLU-49	4049.58	2496.21	94.59	191.48
291	SLU-49	3966.42	1984.71	91.34	184.90
292	SLU-49	3902.16	2463.88	95.34	192.98
293	SLU-49	3949.10	2286.69	93.71	189.68
294	SLU-49	4000.24	2243.30	94.29	190.87
295	SLU-50	3828.58	1942.56	92.37	186.98
296	SLU-50	4375.37	2166.63	90.06	182.31
297	SLU-50	4345.79	2027.92	89.26	180.68
298	SLU-50	3858.85	2081.98	93.18	188.62
299	SLU-50	4117.88	2117.33	90.32	182.82
300	SLU-50	4167.44	2072.70	90.99	184.19
301	SLU-51	3747.06	2017.88	92.31	186.86
302	SLU-51	4307.48	2238.50	89.85	181.88
303	SLU-51	3782.11	2169.20	93.04	188.34
304	SLU-51	4278.27	2087.95	89.12	180.40
305	SLU-51	4041.28	2194.70	90.51	183.22
306	SLU-51	4107.24	2136.49	90.46	183.10
307	SLU-52	3758.64	2012.69	92.10	186.44
308	SLU-52	3971.11	2571.08	94.36	191.01
309	SLU-52	3827.44	2546.46	95.15	192.60
310	SLU-52	3902.99	2038.03	91.32	184.85
311	SLU-52	3871.73	2363.66	93.91	190.09
312	SLU-52	3928.89	2311.43	93.72	189.71
313	SLU-53	3877.05	1998.84	92.06	186.36
314	SLU-53	4109.57	2547.36	94.58	191.44
315	SLU-53	4026.41	2035.87	91.33	184.86
316	SLU-53	3962.15	2515.03	95.32	192.95
317	SLU-53	4009.09	2337.84	93.68	189.64
318	SLU-53	4060.23	2294.45	94.28	190.84
319	SLU-54	3888.57	1993.71	92.36	186.95
320	SLU-54	4435.36	2217.78	90.05	182.28
321	SLU-54	4405.78	2079.07	89.24	180.64
322	SLU-54	3918.84	2133.13	93.16	188.59
323	SLU-54	4177.87	2168.48	90.29	182.77
324	SLU-54	4227.43	2123.85	90.98	184.17
325	SLU-55	3803.77	2072.31	92.36	186.96
326	SLU-55	4364.19	2292.93	89.90	181.97
327	SLU-55	3838.82	2223.63	93.09	188.43
328	SLU-55	4334.98	2142.38	89.17	180.50
329	SLU-55	4097.99	2249.13	90.55	183.30
330	SLU-55	4163.95	2190.92	90.51	183.21
331	SLU-56	3815.35	2067.12	92.15	186.53
332	SLU-56	4027.82	2625.51	94.41	191.10

333	SLU-56	3884.15	2600.89	95.19	192.69
334	SLU-56	3959.70	2092.46	91.36	184.94
335	SLU-56	3928.44	2418.09	93.95	190.17
336	SLU-56	3985.60	2365.86	93.77	189.81
337	SLU-57	3806.23	1936.85	92.07	186.37
338	SLU-57	4038.75	2485.37	94.58	191.46
339	SLU-57	3955.58	1973.87	91.33	184.88
340	SLU-57	3891.32	2453.04	95.33	192.96
341	SLU-57	3938.26	2275.85	93.70	189.66
342	SLU-57	3989.41	2232.46	94.28	190.85
343	SLU-58	3817.75	1931.72	92.36	186.96
344	SLU-58	4364.54	2155.79	90.06	182.29
345	SLU-58	4334.96	2017.08	89.25	180.66
346	SLU-58	3848.01	2071.14	93.17	188.60
347	SLU-58	4107.04	2106.49	90.31	182.80
348	SLU-58	4156.60	2061.86	90.99	184.18
349	SLU-59	3736.39	2006.87	92.32	186.89
350	SLU-59	4296.81	2227.49	89.86	181.90
351	SLU-59	3771.44	2158.20	93.06	188.37
352	SLU-59	4267.60	2076.95	89.13	180.43
353	SLU-59	4030.61	2183.69	90.52	183.24
354	SLU-59	4096.57	2125.48	90.47	183.13
355	SLU-60	3747.97	2001.68	92.11	186.46
356	SLU-60	3960.44	2560.07	94.37	191.03
357	SLU-60	3816.77	2535.45	95.16	192.62
358	SLU-60	3892.32	2027.02	91.33	184.87
359	SLU-60	3861.06	2352.65	93.92	190.11
360	SLU-60	3918.21	2300.43	93.73	189.73
361	SLU-61	3866.22	1988.00	92.05	186.34
362	SLU-61	4098.74	2536.52	94.57	191.42
363	SLU-61	4015.57	2025.02	91.32	184.84
364	SLU-61	3951.31	2504.19	95.31	192.93
365	SLU-61	3998.25	2327.00	93.67	189.62
366	SLU-61	4049.40	2283.61	94.27	190.82
367	SLU-62	3877.74	1982.87	92.35	186.93
368	SLU-62	4424.53	2206.94	90.04	182.26
369	SLU-62	4394.95	2068.23	89.23	180.62
370	SLU-62	3908.00	2122.29	93.16	188.57
371	SLU-62	4167.03	2157.64	90.28	182.75
372	SLU-62	4216.59	2113.01	90.97	184.15
373	SLU-63	3793.10	2061.30	92.37	186.98
374	SLU-63	4353.52	2281.92	89.91	181.99
375	SLU-63	3828.15	2212.62	93.10	188.46
376	SLU-63	4324.31	2131.38	89.18	180.52
377	SLU-63	4087.32	2238.12	90.56	183.32
378	SLU-63	4153.28	2179.91	90.52	183.23
379	SLU-64	3804.68	2056.11	92.16	186.55
380	SLU-64	4017.15	2614.50	94.42	191.12

381	SLU-64	3873.48	2589.88	95.20	192.71
382	SLU-64	3949.03	2081.45	91.37	184.96
383	SLU-64	3917.77	2407.08	93.96	190.20
384	SLU-64	3974.93	2354.85	93.78	189.83
385	SLU-65	4075.16	1688.31	100.63	203.70
386	SLU-65	4295.78	2248.74	102.93	208.36
387	SLU-65	4226.49	1723.37	99.94	202.30
388	SLU-65	4145.24	2219.52	103.62	209.74
389	SLU-65	4251.98	1982.53	102.76	208.02
390	SLU-65	4193.77	2048.50	101.99	206.45
391	SLU-66	4069.97	1699.90	100.71	203.86
392	SLU-66	4628.36	1912.37	98.61	199.61
393	SLU-66	4603.74	1768.70	97.89	198.15
394	SLU-66	4095.32	1844.24	101.44	205.33
395	SLU-66	4420.95	1812.99	99.49	201.38
396	SLU-66	4368.72	1870.14	98.85	200.10
397	SLU-67	4043.99	1719.67	91.39	185.00
398	SLU-67	4592.52	1952.19	88.90	179.95
399	SLU-67	4081.02	1869.02	92.11	186.46
400	SLU-67	4560.19	1804.76	88.16	178.47
401	SLU-67	4383.00	1851.70	90.30	182.80
402	SLU-67	4339.60	1902.85	88.75	179.65
403	SLU-68	4038.87	1731.19	90.97	184.14
404	SLU-68	4262.94	2277.98	93.27	188.80
405	SLU-68	4124.23	2248.40	94.08	190.44
406	SLU-68	4178.29	1761.46	90.15	182.49
407	SLU-68	4213.64	2020.48	93.50	189.27
408	SLU-68	4169.00	2070.04	91.97	186.16
409	SLU-69	4129.59	1745.03	100.55	203.53
410	SLU-69	4350.21	2305.45	102.85	208.18
411	SLU-69	4280.92	1780.08	99.85	202.13
412	SLU-69	4199.67	2276.24	103.53	209.57
413	SLU-69	4306.41	2039.25	102.67	207.83
414	SLU-69	4248.20	2105.21	101.91	206.28
415	SLU-70	4124.40	1756.61	100.62	203.68
416	SLU-70	4682.79	1969.08	98.52	199.43
417	SLU-70	4658.17	1825.41	97.80	197.97
418	SLU-70	4149.74	1900.96	101.35	205.15
419	SLU-70	4475.37	1869.70	99.39	201.20
420	SLU-70	4423.15	1926.85	98.77	199.93
421	SLU-71	4095.15	1779.66	91.36	184.93
422	SLU-71	4643.67	2012.18	88.86	179.88
423	SLU-71	4132.17	1929.01	92.08	186.39
424	SLU-71	4611.34	1864.75	88.13	178.40
425	SLU-71	4434.15	1911.69	90.27	182.72
426	SLU-71	4390.76	1962.84	88.72	179.59
427	SLU-72	4090.02	1791.18	90.94	184.08
428	SLU-72	4314.09	2337.97	93.24	188.74

429	SLU-72	4175.38	2308.39	94.05	190.38
430	SLU-72	4229.44	1821.45	90.12	182.43
431	SLU-72	4264.79	2080.47	93.46	189.19
432	SLU-72	4220.15	2130.03	91.94	186.11
433	SLU-73	4064.16	1677.64	100.62	203.68
434	SLU-73	4284.77	2238.07	102.92	208.33
435	SLU-73	4215.48	1712.70	99.93	202.28
436	SLU-73	4134.23	2208.85	103.61	209.72
437	SLU-73	4240.98	1971.86	102.75	207.99
438	SLU-73	4182.77	2037.82	101.98	206.43
439	SLU-74	4058.96	1689.23	100.70	203.83
440	SLU-74	4617.36	1901.70	98.60	199.59
441	SLU-74	4592.73	1758.03	97.88	198.13
442	SLU-74	4084.31	1833.57	101.42	205.30
443	SLU-74	4409.94	1802.32	99.47	201.36
444	SLU-74	4357.71	1859.47	98.84	200.08
445	SLU-75	4033.15	1708.83	91.40	185.02
446	SLU-75	4581.68	1941.35	88.91	179.97
447	SLU-75	4070.18	1858.18	92.12	186.47
448	SLU-75	4549.34	1793.92	88.17	178.48
449	SLU-75	4372.16	1840.87	90.31	182.81
450	SLU-75	4328.76	1892.01	88.76	179.66
451	SLU-76	4028.02	1720.35	90.98	184.16
452	SLU-76	4252.09	2267.14	93.28	188.81
453	SLU-76	4113.38	2237.56	94.09	190.46
454	SLU-76	4167.45	1750.62	90.16	182.51
455	SLU-76	4202.79	2009.65	93.51	189.28
456	SLU-76	4158.16	2059.20	91.97	186.18
457	SLU-77	4118.59	1734.35	100.53	203.50
458	SLU-77	4339.20	2294.78	102.83	208.16
459	SLU-77	4269.91	1769.41	99.84	202.10
460	SLU-77	4188.66	2265.56	103.52	209.55
461	SLU-77	4295.40	2028.57	102.66	207.81
462	SLU-77	4237.19	2094.54	101.90	206.26
463	SLU-78	4113.39	1745.94	100.61	203.66
464	SLU-78	4671.78	1958.41	98.51	199.41
465	SLU-78	4647.16	1814.74	97.79	197.95
466	SLU-78	4138.74	1890.28	101.34	205.13
467	SLU-78	4464.37	1859.03	99.38	201.17
468	SLU-78	4412.14	1916.18	98.76	199.91
469	SLU-79	4084.30	1768.82	91.37	184.95
470	SLU-79	4632.83	2001.34	88.87	179.90
471	SLU-79	4121.33	1918.17	92.09	186.41
472	SLU-79	4600.50	1853.91	88.14	178.41
473	SLU-79	4423.31	1900.86	90.27	182.73
474	SLU-79	4379.91	1952.00	88.73	179.60
475	SLU-80	4079.17	1780.34	90.94	184.09
476	SLU-80	4303.24	2327.13	93.25	188.75

477	SLU-80	4164.53	2297.55	94.06	190.40
478	SLU-80	4218.60	1810.61	90.13	182.45
479	SLU-80	4253.94	2069.64	93.47	189.21
480	SLU-80	4209.31	2119.19	91.95	186.12
481	SLU-81	3959.37	1804.05	89.08	180.32
482	SLU-81	4179.99	2364.47	91.34	184.89
483	SLU-81	4110.69	1839.11	88.40	178.94
484	SLU-81	4029.44	2335.26	92.01	186.26
485	SLU-81	4136.19	2098.27	91.26	184.73
486	SLU-81	4077.98	2164.23	90.33	182.86
487	SLU-82	3954.17	1815.63	89.13	180.42
488	SLU-82	4512.57	2028.10	87.07	176.26
489	SLU-82	4487.94	1884.43	86.37	174.83
490	SLU-82	3979.52	1959.98	89.84	181.87
491	SLU-82	4305.15	1928.73	88.02	178.17
492	SLU-82	4252.92	1985.88	87.24	176.59
493	SLU-83	4175.56	1588.04	103.05	208.59
494	SLU-83	4724.09	1820.56	100.54	203.52
495	SLU-83	4212.59	1737.39	103.77	210.06
496	SLU-83	4691.75	1673.13	99.80	202.03
497	SLU-83	4514.57	1720.08	101.88	206.23
498	SLU-83	4471.17	1771.22	100.46	203.36
499	SLU-84	4170.43	1599.56	102.64	207.77
500	SLU-84	4394.50	2146.35	104.95	212.45
501	SLU-84	4255.79	2116.77	105.77	214.10
502	SLU-84	4309.86	1629.83	101.83	206.12
503	SLU-84	4345.20	1888.86	105.12	212.78
504	SLU-84	4300.57	1938.41	103.70	209.92
505	SLU-85	4013.80	1860.76	88.99	180.13
506	SLU-85	4234.41	2421.19	91.25	184.71
507	SLU-85	4165.12	1895.82	88.31	178.75
508	SLU-85	4083.87	2391.97	91.92	186.07
509	SLU-85	4190.62	2154.98	91.16	184.53
510	SLU-85	4132.40	2220.94	90.25	182.68
511	SLU-86	4008.60	1872.35	89.04	180.23
512	SLU-86	4566.99	2084.82	86.98	176.06
513	SLU-86	4542.37	1941.15	86.27	174.64
514	SLU-86	4033.95	2016.69	89.75	181.68
515	SLU-86	4359.58	1985.44	87.92	177.97
516	SLU-86	4307.35	2042.59	87.15	176.40
517	SLU-87	4226.71	1648.03	103.02	208.54
518	SLU-87	4775.24	1880.55	100.52	203.47
519	SLU-87	4263.74	1797.38	103.75	210.01
520	SLU-87	4742.90	1733.12	99.78	201.97
521	SLU-87	4565.72	1780.07	101.85	206.17
522	SLU-87	4522.32	1831.21	100.44	203.31
523	SLU-88	4221.58	1659.55	102.62	207.72
524	SLU-88	4445.65	2206.34	104.93	212.40

525	SLU-88	4306.94	2176.76	105.74	214.05
526	SLU-88	4361.01	1689.82	101.80	206.07
527	SLU-88	4396.35	1948.85	105.09	212.73
528	SLU-88	4351.72	1998.40	103.68	209.87
529	SLU-89	3948.36	1793.38	89.07	180.30
530	SLU-89	4168.98	2353.80	91.33	184.87
531	SLU-89	4099.68	1828.43	88.39	178.92
532	SLU-89	4018.43	2324.59	92.00	186.24
533	SLU-89	4125.18	2087.60	91.25	184.70
534	SLU-89	4066.97	2153.56	90.32	182.84
535	SLU-90	3943.17	1804.96	89.12	180.40
536	SLU-90	4501.56	2017.43	87.06	176.24
537	SLU-90	4476.94	1873.76	86.36	174.81
538	SLU-90	3968.51	1949.31	89.83	181.84
539	SLU-90	4294.14	1918.05	88.01	178.15
540	SLU-90	4241.91	1975.21	87.23	176.57
541	SLU-91	4164.72	1577.21	103.06	208.61
542	SLU-91	4713.24	1809.72	100.55	203.54
543	SLU-91	4201.75	1726.56	103.78	210.08
544	SLU-91	4680.91	1662.30	99.81	202.04
545	SLU-91	4503.72	1709.24	101.89	206.25
546	SLU-91	4460.33	1760.38	100.47	203.37
547	SLU-92	4159.59	1588.72	102.65	207.79
548	SLU-92	4383.66	2135.52	104.96	212.46
549	SLU-92	4244.95	2105.93	105.77	214.11
550	SLU-92	4299.01	1618.99	101.83	206.14
551	SLU-92	4334.36	1878.02	105.13	212.80
552	SLU-92	4289.73	1927.58	103.71	209.93
553	SLU-93	4002.79	1850.09	88.98	180.11
554	SLU-93	4223.41	2410.52	91.24	184.68
555	SLU-93	4154.11	1885.15	88.29	178.73
556	SLU-93	4072.86	2381.30	91.91	186.05
557	SLU-93	4179.61	2144.31	91.15	184.51
558	SLU-93	4121.40	2210.27	90.23	182.66
559	SLU-94	3997.60	1861.68	89.03	180.21
560	SLU-94	4555.99	2074.14	86.97	176.04
561	SLU-94	4531.37	1930.47	86.26	174.61
562	SLU-94	4022.94	2006.02	89.74	181.66
563	SLU-94	4348.57	1974.77	87.91	177.95
564	SLU-94	4296.34	2031.92	87.14	176.38
565	SLU-95	4215.87	1637.20	103.03	208.56
566	SLU-95	4764.39	1869.71	100.52	203.48
567	SLU-95	4252.90	1786.55	103.76	210.03
568	SLU-95	4732.06	1722.29	99.79	201.99
569	SLU-95	4554.87	1769.23	101.86	206.19
570	SLU-95	4511.48	1820.38	100.45	203.33
571	SLU-96	4210.74	1648.71	102.63	207.74
572	SLU-96	4434.81	2195.51	104.94	212.41

573	SLU-96	4296.10	2165.92	105.75	214.06
574	SLU-96	4350.16	1678.98	101.81	206.09
575	SLU-96	4385.51	1938.01	105.10	212.74
576	SLU-96	4340.88	1987.57	103.69	209.89
577	SLU-97	4547.76	1215.72	155.76	315.30
578	SLU-97	4768.38	1776.14	158.15	320.13
579	SLU-97	4699.09	1250.77	155.05	313.85
580	SLU-97	4617.84	1746.92	158.86	321.56
581	SLU-97	4724.58	1509.93	157.76	319.35
582	SLU-97	4666.37	1575.90	157.37	318.56
583	SLU-98	4542.57	1227.30	155.90	315.58
584	SLU-98	5100.96	1439.77	153.72	311.16
585	SLU-98	5076.34	1296.10	152.96	309.63
586	SLU-98	4567.91	1371.64	156.66	317.11
587	SLU-98	4893.54	1340.39	154.41	312.56
588	SLU-98	4841.32	1397.54	154.16	312.05
589	SLU-99	4674.74	1089.04	155.86	315.50
590	SLU-99	5223.27	1321.56	153.34	310.39
591	SLU-99	4711.77	1238.40	156.60	316.99
592	SLU-99	5190.94	1174.13	152.60	308.89
593	SLU-99	5013.75	1221.08	154.49	312.73
594	SLU-99	4970.35	1272.22	153.45	310.61
595	SLU-100	4669.61	1100.56	155.51	314.78
596	SLU-100	4893.68	1647.35	157.83	319.48
597	SLU-100	4754.97	1617.77	158.64	321.13
598	SLU-100	4809.04	1130.83	154.69	313.13
599	SLU-100	4844.38	1389.86	157.81	319.45
600	SLU-100	4799.75	1439.42	156.73	317.25
601	SLU-101	4602.19	1272.43	155.69	315.16
602	SLU-101	4822.81	1832.85	158.08	319.99
603	SLU-101	4753.51	1307.48	154.98	313.71
604	SLU-101	4672.27	1803.64	158.79	321.43
605	SLU-101	4779.01	1566.65	157.69	319.20
606	SLU-101	4720.80	1632.61	157.31	318.43
607	SLU-102	4597.00	1284.01	155.83	315.44
608	SLU-102	5155.39	1496.48	153.65	311.02
609	SLU-102	5130.77	1352.81	152.89	309.49
610	SLU-102	4622.34	1428.36	156.59	316.98
611	SLU-102	4947.97	1397.10	154.34	312.42
612	SLU-102	4895.74	1454.26	154.09	311.92
613	SLU-103	4725.89	1149.03	155.86	315.49
614	SLU-103	5274.42	1381.55	153.33	310.38
615	SLU-103	4762.92	1298.39	156.59	316.98
616	SLU-103	5242.09	1234.12	152.59	308.88
617	SLU-103	5064.90	1281.07	154.48	312.71
618	SLU-103	5021.50	1332.21	153.44	310.60
619	SLU-104	4720.77	1160.55	155.50	314.77
620	SLU-104	4944.84	1707.34	157.82	319.47

621	SLU-104	4806.13	1677.76	158.64	321.12
622	SLU-104	4860.19	1190.82	154.68	313.12
623	SLU-104	4895.54	1449.85	157.81	319.44
624	SLU-104	4850.90	1499.41	156.72	317.25
625	SLU-105	4536.76	1205.04	155.75	315.27
626	SLU-105	4757.37	1765.47	158.14	320.11
627	SLU-105	4688.08	1240.10	155.04	313.83
628	SLU-105	4606.83	1736.25	158.85	321.54
629	SLU-105	4713.57	1499.26	157.75	319.32
630	SLU-105	4655.36	1565.23	157.36	318.54
631	SLU-106	4531.56	1216.63	155.89	315.56
632	SLU-106	5089.95	1429.10	153.70	311.13
633	SLU-106	5065.33	1285.43	152.95	309.60
634	SLU-106	4556.91	1360.97	156.65	317.09
635	SLU-106	4882.54	1329.72	154.40	312.54
636	SLU-106	4830.31	1386.87	154.15	312.03
637	SLU-107	4663.90	1078.21	155.87	315.52
638	SLU-107	5212.43	1310.72	153.35	310.41
639	SLU-107	4700.93	1227.56	156.61	317.01
640	SLU-107	5180.09	1163.30	152.60	308.91
641	SLU-107	5002.91	1210.24	154.50	312.75
642	SLU-107	4959.51	1261.39	153.45	310.63
643	SLU-108	4658.77	1089.73	155.51	314.80
644	SLU-108	4882.84	1636.52	157.83	319.49
645	SLU-108	4744.13	1606.94	158.65	321.14
646	SLU-108	4798.20	1119.99	154.70	313.14
647	SLU-108	4833.54	1379.02	157.82	319.47
648	SLU-108	4788.91	1428.58	156.74	317.27
649	SLU-109	4591.18	1261.76	155.68	315.14
650	SLU-109	4811.80	1822.18	158.07	319.97
651	SLU-109	4742.51	1296.81	154.97	313.69
652	SLU-109	4661.26	1792.97	158.78	321.41
653	SLU-109	4768.00	1555.98	157.68	319.18
654	SLU-109	4709.79	1621.94	157.30	318.41
655	SLU-110	4585.99	1273.34	155.82	315.42
656	SLU-110	5144.38	1485.81	153.64	311.00
657	SLU-110	5119.76	1342.14	152.88	309.47
658	SLU-110	4611.34	1417.69	156.58	316.96
659	SLU-110	4936.97	1386.43	154.33	312.39
660	SLU-110	4884.74	1443.58	154.08	311.90
661	SLU-111	4715.05	1138.20	155.86	315.51
662	SLU-111	5263.58	1370.71	153.34	310.40
663	SLU-111	4752.08	1287.55	156.60	316.99
664	SLU-111	5231.24	1223.29	152.60	308.89
665	SLU-111	5054.06	1270.23	154.49	312.73
666	SLU-111	5010.66	1321.38	153.45	310.62
667	SLU-112	4709.92	1149.72	155.51	314.79
668	SLU-112	4933.99	1696.51	157.83	319.48

669	SLU-112	4795.28	1666.93	158.64	321.13
670	SLU-112	4849.35	1179.98	154.69	313.13
671	SLU-112	4884.69	1439.01	157.82	319.46
672	SLU-112	4840.06	1488.57	156.73	317.26
673	SLU-113	4280.71	1490.05	102.80	208.09
674	SLU-113	4501.33	2050.47	104.87	212.27
675	SLU-113	4432.03	1525.10	102.17	206.81
676	SLU-113	4350.78	2021.26	105.49	213.53
677	SLU-113	4457.53	1784.27	105.11	212.77
678	SLU-113	4399.32	1850.23	103.61	209.72
679	SLU-114	4275.51	1501.63	102.75	207.99
680	SLU-114	4833.91	1714.10	100.88	204.20
681	SLU-114	4809.28	1570.43	100.24	202.91
682	SLU-114	4300.86	1645.98	103.39	209.29
683	SLU-114	4626.49	1614.72	102.06	206.59
684	SLU-114	4574.26	1671.88	100.72	203.88
685	SLU-115	4336.63	1434.31	102.87	208.24
686	SLU-115	4885.16	1666.83	100.47	203.38
687	SLU-115	4373.66	1583.66	103.56	209.63
688	SLU-115	4852.83	1519.40	99.77	201.95
689	SLU-115	4675.64	1566.34	102.14	206.76
690	SLU-115	4632.24	1617.49	99.99	202.40
691	SLU-116	4331.51	1445.83	102.37	207.22
692	SLU-116	4555.57	1992.62	104.60	211.73
693	SLU-116	4416.86	1963.04	105.39	213.33
694	SLU-116	4470.93	1476.09	101.58	205.62
695	SLU-116	4506.28	1735.12	105.12	212.79
696	SLU-116	4461.64	1784.68	103.05	208.60
697	SLU-117	4335.14	1546.76	102.68	207.84
698	SLU-117	4555.75	2107.19	104.75	212.03
699	SLU-117	4486.46	1581.82	102.04	206.56
700	SLU-117	4405.21	2077.97	105.37	213.29
701	SLU-117	4511.96	1840.98	104.99	212.52
702	SLU-117	4453.75	1906.94	103.49	209.48
703	SLU-118	4329.94	1558.35	102.63	207.74
704	SLU-118	4888.34	1770.81	100.75	203.94
705	SLU-118	4863.71	1627.14	100.12	202.66
706	SLU-118	4355.29	1702.69	103.27	209.05
707	SLU-118	4680.92	1671.44	101.93	206.33
708	SLU-118	4628.69	1728.59	100.60	203.63
709	SLU-119	4387.78	1494.30	102.81	208.11
710	SLU-119	4936.31	1726.82	100.40	203.24
711	SLU-119	4424.81	1643.65	103.49	209.50
712	SLU-119	4903.98	1579.39	99.70	201.81
713	SLU-119	4726.79	1626.33	102.07	206.62
714	SLU-119	4683.39	1677.48	99.93	202.28
715	SLU-120	4382.66	1505.82	102.31	207.09
716	SLU-120	4606.73	2052.61	104.53	211.60

717	SLU-120	4468.02	2023.03	105.33	213.20
718	SLU-120	4522.08	1536.08	101.52	205.49
719	SLU-120	4557.43	1795.11	105.05	212.65
720	SLU-120	4512.79	1844.67	102.99	208.48
721	SLU-121	4262.36	1472.26	102.78	208.05
722	SLU-121	4482.98	2032.69	104.85	212.23
723	SLU-121	4413.69	1507.32	102.15	206.77
724	SLU-121	4332.44	2003.47	105.47	213.49
725	SLU-121	4439.18	1766.48	105.09	212.73
726	SLU-121	4380.97	1832.45	103.59	209.68
727	SLU-122	4257.17	1483.85	102.73	207.95
728	SLU-122	4815.56	1696.32	100.86	204.15
729	SLU-122	4790.94	1552.65	100.22	202.87
730	SLU-122	4282.51	1628.19	103.37	209.25
731	SLU-122	4608.14	1596.94	102.04	206.55
732	SLU-122	4555.91	1654.09	100.70	203.84
733	SLU-123	4318.56	1416.25	102.88	208.26
734	SLU-123	4867.09	1648.76	100.48	203.40
735	SLU-123	4355.59	1565.60	103.57	209.65
736	SLU-123	4834.76	1501.34	99.78	201.97
737	SLU-123	4657.57	1548.28	102.15	206.78
738	SLU-123	4614.17	1599.43	100.00	202.42
739	SLU-124	4313.44	1427.77	102.38	207.24
740	SLU-124	4537.50	1974.56	104.61	211.75
741	SLU-124	4398.79	1944.98	105.40	213.35
742	SLU-124	4452.86	1458.03	101.59	205.64
743	SLU-124	4488.21	1717.06	105.13	212.81
744	SLU-124	4443.57	1766.62	103.06	208.62
745	SLU-125	4316.79	1528.98	102.66	207.80
746	SLU-125	4537.41	2089.40	104.73	211.99
747	SLU-125	4468.11	1564.03	102.03	206.52
748	SLU-125	4386.86	2060.19	105.35	213.25
749	SLU-125	4493.61	1823.19	104.97	212.48
750	SLU-125	4435.40	1889.16	103.47	209.44
751	SLU-126	4311.60	1540.56	102.61	207.70
752	SLU-126	4869.99	1753.03	100.73	203.90
753	SLU-126	4845.37	1609.36	100.10	202.62
754	SLU-126	4336.94	1684.90	103.25	209.01
755	SLU-126	4662.57	1653.65	101.91	206.29
756	SLU-126	4610.34	1710.80	100.58	203.59
757	SLU-127	4369.71	1476.24	102.82	208.13
758	SLU-127	4918.24	1708.76	100.41	203.26
759	SLU-127	4406.74	1625.59	103.50	209.52
760	SLU-127	4885.91	1561.33	99.71	201.83
761	SLU-127	4708.72	1608.27	102.08	206.63
762	SLU-127	4665.32	1659.42	99.94	202.30
763	SLU-128	4364.59	1487.76	102.32	207.11
764	SLU-128	4588.66	2034.55	104.54	211.62

765	SLU-128	4449.95	2004.97	105.34	213.23
766	SLU-128	4504.01	1518.02	101.53	205.51
767	SLU-128	4539.36	1777.05	105.06	212.67
768	SLU-128	4494.72	1826.61	103.00	208.50
769	SLU-129	4045.88	1634.14	95.65	193.63
770	SLU-129	4514.13	2709.16	100.73	203.90
771	SLU-129	4359.54	1711.60	93.99	190.25
772	SLU-129	4203.07	2638.00	102.42	207.32
773	SLU-129	4285.91	2268.77	97.72	197.80
774	SLU-129	4384.37	2189.32	100.51	203.46
775	SLU-130	4065.69	1626.46	96.39	195.12
776	SLU-130	5133.72	2080.42	91.63	185.47
777	SLU-130	5072.81	1787.81	89.82	181.83
778	SLU-130	4127.57	1920.09	98.20	198.77
779	SLU-130	4610.54	1950.42	91.81	185.84
780	SLU-130	4697.35	1864.25	94.73	191.76
781	SLU-131	3989.59	1690.62	96.25	194.83
782	SLU-131	5083.68	2139.79	91.54	185.29
783	SLU-131	4061.11	2010.22	97.82	198.00
784	SLU-131	5019.98	1821.27	90.01	182.20
785	SLU-131	4535.99	2018.87	92.37	186.98
786	SLU-131	4662.59	1911.29	94.05	190.38
787	SLU-132	4007.40	1684.93	96.06	194.44
788	SLU-132	4441.01	2773.31	100.46	203.36
789	SLU-132	4137.71	2723.10	102.07	206.62
790	SLU-132	4311.66	1736.18	94.47	191.23
791	SLU-132	4218.53	2342.62	98.38	199.14
792	SLU-132	4324.38	2237.40	99.60	201.62
793	SLU-133	4105.87	1685.29	95.68	193.69
794	SLU-133	4574.12	2760.31	100.76	203.96
795	SLU-133	4419.53	1762.75	94.02	190.31
796	SLU-133	4263.06	2689.15	102.45	207.37
797	SLU-133	4345.90	2319.92	97.74	197.84
798	SLU-133	4444.36	2240.47	100.55	203.53
799	SLU-134	4125.68	1677.61	96.42	195.18
800	SLU-134	5193.71	2131.57	91.66	185.54
801	SLU-134	5132.80	1838.96	89.86	181.89
802	SLU-134	4187.56	1971.24	98.23	198.84
803	SLU-134	4670.53	2001.57	91.83	185.89
804	SLU-134	4757.34	1915.40	94.77	191.84
805	SLU-135	4046.30	1745.05	96.34	195.02
806	SLU-135	5140.40	2194.22	91.63	185.48
807	SLU-135	4117.82	2064.64	97.90	198.18
808	SLU-135	5076.70	1875.70	90.10	182.39
809	SLU-135	4592.70	2073.30	92.46	187.15
810	SLU-135	4719.30	1965.72	94.15	190.59
811	SLU-136	4064.12	1739.36	96.15	194.63
812	SLU-136	4497.73	2827.74	100.55	203.53

813	SLU-136	4194.42	2777.53	102.16	206.79
814	SLU-136	4368.38	1790.61	94.56	191.42
815	SLU-136	4275.24	2397.05	98.46	199.31
816	SLU-136	4381.09	2291.83	99.70	201.81
817	SLU-137	4035.05	1623.30	95.65	193.61
818	SLU-137	4503.29	2698.32	100.72	203.88
819	SLU-137	4348.70	1700.76	93.98	190.24
820	SLU-137	4192.24	2627.15	102.41	207.30
821	SLU-137	4275.07	2257.93	97.71	197.79
822	SLU-137	4373.54	2178.48	100.50	203.44
823	SLU-138	4054.85	1615.62	96.38	195.10
824	SLU-138	5122.89	2069.58	91.62	185.46
825	SLU-138	5061.98	1776.97	89.82	181.81
826	SLU-138	4116.73	1909.25	98.19	198.76
827	SLU-138	4599.71	1939.58	91.80	185.83
828	SLU-138	4686.51	1853.41	94.73	191.75
829	SLU-139	3978.92	1679.61	96.26	194.86
830	SLU-139	5073.01	2128.79	91.55	185.32
831	SLU-139	4050.44	1999.21	97.83	198.02
832	SLU-139	5009.31	1810.26	90.02	182.22
833	SLU-139	4525.32	2007.86	92.38	187.00
834	SLU-139	4651.92	1900.28	94.06	190.41
835	SLU-140	3996.73	1673.92	96.07	194.47
836	SLU-140	4430.34	2762.31	100.47	203.38
837	SLU-140	4127.04	2712.09	102.08	206.64
838	SLU-140	4300.99	1725.17	94.48	191.25
839	SLU-140	4207.85	2331.61	98.39	199.16
840	SLU-140	4313.71	2226.39	99.61	201.64
841	SLU-141	4095.04	1674.45	95.68	193.67
842	SLU-141	4563.28	2749.47	100.75	203.94
843	SLU-141	4408.69	1751.91	94.01	190.30
844	SLU-141	4252.23	2678.30	102.44	207.36
845	SLU-141	4335.06	2309.08	97.73	197.83
846	SLU-141	4433.53	2229.63	100.54	203.52
847	SLU-142	4114.84	1666.77	96.42	195.17
848	SLU-142	5182.88	2120.73	91.65	185.53
849	SLU-142	5121.97	1828.12	89.85	181.88
850	SLU-142	4176.72	1960.40	98.22	198.82
851	SLU-142	4659.70	1990.73	91.83	185.88
852	SLU-142	4746.50	1904.56	94.77	191.83
853	SLU-143	4035.63	1734.04	96.35	195.04
854	SLU-143	5129.72	2183.21	91.64	185.51
855	SLU-143	4107.15	2053.64	97.92	198.20
856	SLU-143	5066.02	1864.69	90.12	182.41
857	SLU-143	4582.03	2062.29	92.47	187.17
858	SLU-143	4708.63	1954.71	94.16	190.61
859	SLU-144	4053.44	1728.35	96.16	194.65
860	SLU-144	4487.06	2816.73	100.56	203.56

861	SLU-144	4183.75	2766.52	102.17	206.82
862	SLU-144	4357.71	1779.60	94.57	191.44
863	SLU-144	4264.57	2386.04	98.47	199.33
864	SLU-144	4370.42	2280.82	99.71	201.84
865	SLU-145	3274.78	863.68	95.64	193.60
866	SLU-145	3743.02	1938.70	100.72	203.88
867	SLU-145	3588.43	941.13	93.98	190.23
868	SLU-145	3431.97	1867.53	102.41	207.30
869	SLU-145	3514.80	1498.30	97.71	197.78
870	SLU-145	3613.27	1418.86	100.50	203.43
871	SLU-146	3294.58	856.00	96.38	195.10
872	SLU-146	4362.62	1309.95	91.62	185.45
873	SLU-146	4301.71	1017.35	89.81	181.80
874	SLU-146	3356.46	1149.63	98.19	198.75
875	SLU-146	3839.44	1179.95	91.80	185.82
876	SLU-146	3926.24	1093.78	94.72	191.74
877	SLU-147	3219.04	919.60	96.26	194.85
878	SLU-147	4313.14	1368.77	91.55	185.31
879	SLU-147	3290.56	1239.19	97.83	198.02
880	SLU-147	4249.44	1050.25	90.02	182.22
881	SLU-147	3765.44	1247.85	92.38	187.00
882	SLU-147	3892.04	1140.27	94.06	190.40
883	SLU-148	3236.85	913.91	96.07	194.46
884	SLU-148	3670.47	2002.29	100.47	203.37
885	SLU-148	3367.16	1952.08	102.08	206.64
886	SLU-148	3541.12	965.16	94.48	191.25
887	SLU-148	3447.98	1571.60	98.39	199.16
888	SLU-148	3553.83	1466.38	99.61	201.64
889	SLU-149	3334.77	914.83	95.67	193.66
890	SLU-149	3803.01	1989.85	100.75	203.93
891	SLU-149	3648.42	992.29	94.01	190.29
892	SLU-149	3491.96	1918.68	102.43	207.35
893	SLU-149	3574.79	1549.45	97.73	197.82
894	SLU-149	3673.26	1470.01	100.54	203.51
895	SLU-150	3354.57	907.15	96.41	195.16
896	SLU-150	4422.61	1361.11	91.65	185.52
897	SLU-150	4361.70	1068.50	89.85	181.87
898	SLU-150	3416.45	1200.78	98.22	198.81
899	SLU-150	3899.43	1231.10	91.82	185.87
900	SLU-150	3986.23	1144.93	94.76	191.82
901	SLU-151	3275.76	974.03	96.35	195.04
902	SLU-151	4369.85	1423.20	91.64	185.50
903	SLU-151	3347.27	1293.62	97.91	198.20
904	SLU-151	4306.15	1104.68	90.11	182.41
905	SLU-151	3822.15	1302.28	92.47	187.17
906	SLU-151	3948.75	1194.69	94.16	190.60
907	SLU-152	3293.57	968.34	96.16	194.65
908	SLU-152	3727.18	2056.72	100.56	203.55

909	SLU-152	3423.87	2006.51	102.17	206.81
910	SLU-152	3597.83	1019.59	94.57	191.44
911	SLU-152	3504.69	1626.02	98.47	199.33
912	SLU-152	3610.54	1520.80	99.71	201.83
913	SLU-153	3263.94	852.84	95.64	193.59
914	SLU-153	3732.19	1927.85	100.71	203.86
915	SLU-153	3577.59	930.29	93.97	190.21
916	SLU-153	3421.13	1856.69	102.40	207.28
917	SLU-153	3503.96	1487.46	97.70	197.76
918	SLU-153	3602.43	1408.01	100.49	203.42
919	SLU-154	3283.75	845.15	96.37	195.08
920	SLU-154	4351.78	1299.11	91.61	185.44
921	SLU-154	4290.87	1006.51	89.81	181.79
922	SLU-154	3345.63	1138.78	98.18	198.73
923	SLU-154	3828.60	1169.11	91.79	185.80
924	SLU-154	3915.40	1082.94	94.71	191.72
925	SLU-155	3208.37	908.59	96.27	194.88
926	SLU-155	4302.46	1357.76	91.56	185.33
927	SLU-155	3279.89	1228.18	97.84	198.04
928	SLU-155	4238.76	1039.24	90.03	182.24
929	SLU-155	3754.77	1236.84	92.39	187.02
930	SLU-155	3881.37	1129.26	94.07	190.42
931	SLU-156	3226.18	902.90	96.08	194.49
932	SLU-156	3659.79	1991.28	100.48	203.40
933	SLU-156	3356.49	1941.07	102.09	206.66
934	SLU-156	3530.45	954.15	94.49	191.27
935	SLU-156	3437.31	1560.59	98.40	199.18
936	SLU-156	3543.16	1455.37	99.62	201.66
937	SLU-157	3323.93	903.99	95.67	193.65
938	SLU-157	3792.18	1979.00	100.74	203.92
939	SLU-157	3637.59	981.44	94.00	190.28
940	SLU-157	3481.12	1907.84	102.43	207.34
941	SLU-157	3563.95	1538.61	97.72	197.81
942	SLU-157	3662.42	1459.16	100.53	203.49
943	SLU-158	3343.74	896.30	96.40	195.14
944	SLU-158	4411.77	1350.26	91.64	185.50
945	SLU-158	4350.86	1057.66	89.84	181.86
946	SLU-158	3405.62	1189.93	98.21	198.80
947	SLU-158	3888.59	1220.26	91.81	185.85
948	SLU-158	3975.39	1134.09	94.75	191.80
949	SLU-159	3265.08	963.02	96.36	195.06
950	SLU-159	4359.18	1412.19	91.65	185.53
951	SLU-159	3336.60	1282.61	97.93	198.22
952	SLU-159	4295.48	1093.67	90.12	182.43
953	SLU-159	3811.48	1291.27	92.48	187.19
954	SLU-159	3938.08	1183.69	94.17	190.63
955	SLU-160	3282.90	957.33	96.17	194.67
956	SLU-160	3716.51	2045.71	100.57	203.58

957	SLU-160	3413.20	1995.50	102.18	206.84
958	SLU-160	3587.16	1008.58	94.58	191.46
959	SLU-160	3494.02	1615.02	98.48	199.35
960	SLU-160	3599.87	1509.80	99.72	201.86
961	SLU-161	3744.27	2018.07	92.10	186.42
962	SLU-161	3964.88	2578.50	94.56	191.41
963	SLU-161	3895.59	2053.13	91.37	184.95
964	SLU-161	3814.34	2549.28	95.29	192.89
965	SLU-161	3921.08	2312.29	93.93	190.14
966	SLU-161	3862.87	2378.26	94.01	190.31
967	SLU-162	3739.07	2029.66	92.31	186.86
968	SLU-162	4297.46	2242.13	90.05	182.28
969	SLU-162	4272.84	2098.46	89.26	180.69
970	SLU-162	3764.42	2174.00	93.10	188.45
971	SLU-162	4090.05	2142.75	90.54	183.28
972	SLU-162	4037.82	2199.90	90.73	183.67
973	SLU-163	3825.29	1937.24	92.34	186.91
974	SLU-163	4373.81	2169.76	89.82	181.82
975	SLU-163	3862.31	2086.59	93.07	188.40
976	SLU-163	4341.48	2022.33	89.08	180.32
977	SLU-163	4164.29	2069.27	90.75	183.71
978	SLU-163	4120.90	2120.42	90.17	182.53
979	SLU-164	3820.16	1948.76	92.05	186.32
980	SLU-164	4044.23	2495.55	94.35	190.99
981	SLU-164	3905.52	2465.97	95.16	192.62
982	SLU-164	3959.58	1979.02	91.24	184.69
983	SLU-164	3994.93	2238.05	94.13	190.55
984	SLU-164	3950.29	2287.61	93.47	189.21
985	SLU-165	3798.69	2074.79	92.05	186.33
986	SLU-165	4019.31	2635.21	94.52	191.32
987	SLU-165	3950.02	2109.84	91.32	184.85
988	SLU-165	3868.77	2606.00	95.25	192.80
989	SLU-165	3975.51	2369.00	93.88	190.04
990	SLU-165	3917.30	2434.97	93.97	190.23
991	SLU-166	3793.50	2086.37	92.27	186.77
992	SLU-166	4351.89	2298.84	90.01	182.19
993	SLU-166	4327.27	2155.17	89.22	180.60
994	SLU-166	3818.85	2230.71	93.06	188.37
995	SLU-166	4144.48	2199.46	90.49	183.18
996	SLU-166	4092.25	2256.61	90.69	183.58
997	SLU-167	3876.44	1997.23	92.35	186.94
998	SLU-167	4424.96	2229.75	89.84	181.86
999	SLU-167	3913.46	2146.58	93.09	188.44
1000	SLU-167	4392.63	2082.32	89.10	180.36
1001	SLU-167	4215.44	2129.26	90.77	183.73
1002	SLU-167	4172.05	2180.41	90.20	182.58
1003	SLU-168	3871.31	2008.75	92.07	186.36
1004	SLU-168	4095.38	2555.54	94.37	191.03

1005	SLU-168	3956.67	2525.96	95.18	192.66
1006	SLU-168	4010.73	2039.01	91.26	184.73
1007	SLU-168	4046.08	2298.04	94.15	190.58
1008	SLU-168	4001.45	2347.60	93.49	189.25
1009	SLU-169	3733.26	2007.40	92.09	186.40
1010	SLU-169	3953.88	2567.83	94.55	191.39
1011	SLU-169	3884.58	2042.46	91.36	184.92
1012	SLU-169	3803.33	2538.61	95.28	192.87
1013	SLU-169	3910.08	2301.62	93.92	190.12
1014	SLU-169	3851.87	2367.58	94.00	190.29
1015	SLU-170	3728.06	2018.99	92.30	186.83
1016	SLU-170	4286.46	2231.46	90.04	182.26
1017	SLU-170	4261.83	2087.79	89.25	180.67
1018	SLU-170	3753.41	2163.33	93.09	188.43
1019	SLU-170	4079.04	2132.08	90.53	183.26
1020	SLU-170	4026.81	2189.23	90.72	183.64
1021	SLU-171	3814.44	1926.40	92.34	186.93
1022	SLU-171	4362.97	2158.92	89.83	181.84
1023	SLU-171	3851.47	2075.75	93.08	188.42
1024	SLU-171	4330.64	2011.49	89.09	180.34
1025	SLU-171	4153.45	2058.44	90.76	183.73
1026	SLU-171	4110.05	2109.58	90.18	182.55
1027	SLU-172	3809.31	1937.92	92.06	186.34
1028	SLU-172	4033.38	2484.71	94.36	191.01
1029	SLU-172	3894.67	2455.13	95.17	192.64
1030	SLU-172	3948.74	1968.19	91.25	184.71
1031	SLU-172	3984.08	2227.22	94.14	190.56
1032	SLU-172	3939.45	2276.77	93.48	189.23
1033	SLU-173	3787.69	2064.11	92.04	186.31
1034	SLU-173	4008.30	2624.54	94.51	191.30
1035	SLU-173	3939.01	2099.17	91.31	184.83
1036	SLU-173	3857.76	2595.32	95.24	192.78
1037	SLU-173	3964.51	2358.33	93.87	190.02
1038	SLU-173	3906.29	2424.30	93.96	190.21
1039	SLU-174	3782.49	2075.70	92.26	186.75
1040	SLU-174	4340.89	2288.17	89.99	182.17
1041	SLU-174	4316.26	2144.50	89.21	180.58
1042	SLU-174	3807.84	2220.04	93.05	188.34
1043	SLU-174	4133.47	2188.79	90.48	183.16
1044	SLU-174	4081.24	2245.94	90.68	183.56
1045	SLU-175	3865.59	1986.39	92.36	186.96
1046	SLU-175	4414.12	2218.91	89.85	181.88
1047	SLU-175	3902.62	2135.74	93.10	188.46
1048	SLU-175	4381.79	2071.48	89.11	180.38
1049	SLU-175	4204.60	2118.43	90.78	183.75
1050	SLU-175	4161.20	2169.57	90.21	182.60
1051	SLU-176	3860.47	1997.91	92.08	186.38
1052	SLU-176	4084.54	2544.70	94.38	191.05

1053	SLU-176	3945.83	2515.12	95.19	192.68
1054	SLU-176	3999.89	2028.18	91.27	184.75
1055	SLU-176	4035.24	2287.21	94.16	190.59
1056	SLU-176	3990.60	2336.76	93.50	189.27
1057	SLU-177	4516.88	1247.89	109.97	222.61
1058	SLU-177	4749.40	1796.42	112.28	227.27
1059	SLU-177	4666.23	1284.92	109.33	221.30
1060	SLU-177	4601.97	1764.08	112.95	228.64
1061	SLU-177	4648.91	1586.90	110.47	223.63
1062	SLU-177	4700.06	1543.50	112.99	228.73
1063	SLU-178	4528.40	1242.76	110.53	223.73
1064	SLU-178	5075.19	1466.83	108.41	219.45
1065	SLU-178	5045.61	1328.12	107.66	217.92
1066	SLU-178	4558.66	1382.19	111.29	225.27
1067	SLU-178	4817.69	1417.53	107.66	217.93
1068	SLU-178	4867.25	1372.90	110.16	222.98
1069	SLU-179	4485.40	1279.56	110.32	223.30
1070	SLU-179	5045.82	1500.18	108.46	219.55
1071	SLU-179	4520.45	1430.88	110.90	224.49
1072	SLU-179	5016.61	1349.63	107.91	218.43
1073	SLU-179	4779.62	1456.38	107.93	218.47
1074	SLU-179	4845.58	1398.17	109.96	222.59
1075	SLU-180	4496.98	1274.36	110.45	223.57
1076	SLU-180	4709.45	1832.76	112.15	227.02
1077	SLU-180	4565.78	1808.13	112.73	228.19
1078	SLU-180	4641.33	1299.71	109.88	222.42
1079	SLU-180	4610.07	1625.34	110.84	224.36
1080	SLU-180	4667.23	1573.11	112.56	227.85
1081	SLU-181	4576.87	1299.04	110.06	222.79
1082	SLU-181	4809.39	1847.57	112.36	227.45
1083	SLU-181	4726.22	1336.07	109.42	221.49
1084	SLU-181	4661.96	1815.23	113.04	228.82
1085	SLU-181	4708.90	1638.05	110.56	223.80
1086	SLU-181	4760.05	1594.65	113.09	228.91
1087	SLU-182	4588.39	1293.91	110.62	223.92
1088	SLU-182	5135.18	1517.98	108.50	219.64
1089	SLU-182	5105.60	1379.27	107.75	218.11
1090	SLU-182	4618.65	1433.34	111.38	225.45
1091	SLU-182	4877.68	1468.68	107.75	218.11
1092	SLU-182	4927.24	1424.05	110.25	223.17
1093	SLU-183	4542.11	1333.99	110.46	223.59
1094	SLU-183	5102.53	1554.60	108.60	219.84
1095	SLU-183	4577.16	1485.31	111.04	224.77
1096	SLU-183	5073.32	1404.06	108.05	218.73
1097	SLU-183	4836.33	1510.81	108.07	218.76
1098	SLU-183	4902.29	1452.60	110.11	222.88
1099	SLU-184	4553.69	1328.79	110.59	223.86
1100	SLU-184	4766.16	1887.19	112.29	227.30

1101	SLU-184	4622.49	1862.56	112.87	228.48
1102	SLU-184	4698.04	1354.14	110.02	222.71
1103	SLU-184	4666.78	1679.77	110.98	224.64
1104	SLU-184	4723.94	1627.54	112.70	228.14
1105	SLU-185	4506.04	1237.05	109.97	222.60
1106	SLU-185	4738.56	1785.57	112.27	227.26
1107	SLU-185	4655.39	1274.08	109.32	221.30
1108	SLU-185	4591.13	1753.24	112.95	228.63
1109	SLU-185	4638.08	1576.05	110.47	223.62
1110	SLU-185	4689.22	1532.66	112.99	228.72
1111	SLU-186	4517.56	1231.92	110.52	223.72
1112	SLU-186	5064.35	1455.99	108.41	219.44
1113	SLU-186	5034.77	1317.28	107.65	217.91
1114	SLU-186	4547.83	1371.34	111.28	225.26
1115	SLU-186	4806.86	1406.69	107.65	217.92
1116	SLU-186	4856.41	1362.06	110.15	222.97
1117	SLU-187	4474.73	1268.55	110.33	223.33
1118	SLU-187	5035.15	1489.17	108.47	219.57
1119	SLU-187	4509.78	1419.87	110.91	224.51
1120	SLU-187	5005.94	1338.62	107.92	218.45
1121	SLU-187	4768.95	1445.37	107.94	218.50
1122	SLU-187	4834.91	1387.16	109.97	222.61
1123	SLU-188	4486.31	1263.36	110.46	223.60
1124	SLU-188	4698.78	1821.75	112.16	227.04
1125	SLU-188	4555.11	1797.13	112.74	228.22
1126	SLU-188	4630.66	1288.70	109.89	222.44
1127	SLU-188	4599.40	1614.33	110.85	224.38
1128	SLU-188	4656.55	1562.10	112.57	227.87
1129	SLU-189	4566.03	1288.20	110.06	222.79
1130	SLU-189	4798.55	1836.72	112.36	227.44
1131	SLU-189	4715.38	1325.23	109.41	221.48
1132	SLU-189	4651.12	1804.39	113.03	228.81
1133	SLU-189	4698.07	1627.20	110.56	223.79
1134	SLU-189	4749.21	1583.81	113.08	228.90
1135	SLU-190	4577.55	1283.07	110.61	223.91
1136	SLU-190	5124.34	1507.14	108.50	219.63
1137	SLU-190	5094.76	1368.43	107.74	218.10
1138	SLU-190	4607.82	1422.50	111.37	225.44
1139	SLU-190	4866.85	1457.84	107.74	218.10
1140	SLU-190	4916.40	1413.21	110.25	223.17
1141	SLU-191	4531.44	1322.98	110.47	223.62
1142	SLU-191	5091.86	1543.60	108.62	219.86
1143	SLU-191	4566.49	1474.30	111.05	224.80
1144	SLU-191	5062.65	1393.05	108.07	218.75
1145	SLU-191	4825.66	1499.80	108.08	218.78
1146	SLU-191	4891.62	1441.59	110.12	222.91
1147	SLU-192	4543.02	1317.79	110.60	223.89
1148	SLU-192	4755.49	1876.18	112.30	227.33

1149	SLU-192	4611.82	1851.56	112.88	228.50
1150	SLU-192	4687.37	1343.13	110.03	222.73
1151	SLU-192	4656.11	1668.76	110.99	224.66
1152	SLU-192	4713.27	1616.53	112.72	228.17
1153	SLU-193	4146.04	1617.46	100.61	203.65
1154	SLU-193	4378.55	2165.98	103.11	208.72
1155	SLU-193	4295.39	1654.49	99.88	202.18
1156	SLU-193	4231.13	2133.65	103.85	210.21
1157	SLU-193	4278.07	1956.46	101.80	206.07
1158	SLU-193	4329.22	1913.07	103.24	208.97
1159	SLU-194	4157.56	1612.33	101.02	204.49
1160	SLU-194	4704.35	1836.40	98.72	199.82
1161	SLU-194	4674.77	1697.69	97.90	198.17
1162	SLU-194	4187.82	1751.75	101.83	206.14
1163	SLU-194	4446.85	1787.10	98.54	199.47
1164	SLU-194	4496.41	1742.47	100.03	202.48
1165	SLU-195	3988.24	1775.45	91.54	185.30
1166	SLU-195	4548.66	1996.06	89.29	180.74
1167	SLU-195	4023.29	1926.77	92.22	186.68
1168	SLU-195	4519.44	1845.52	88.62	179.39
1169	SLU-195	4282.45	1952.27	89.39	180.94
1170	SLU-195	4348.42	1894.06	90.36	182.90
1171	SLU-196	3999.82	1770.25	91.49	185.20
1172	SLU-196	4212.29	2328.65	93.55	189.37
1173	SLU-196	4068.62	2304.02	94.27	190.81
1174	SLU-196	4144.16	1795.60	90.78	183.76
1175	SLU-196	4112.91	2121.23	92.67	187.58
1176	SLU-196	4170.06	2069.00	93.40	189.07
1177	SLU-197	4206.03	1668.61	100.63	203.70
1178	SLU-197	4438.54	2217.13	103.14	208.77
1179	SLU-197	4355.38	1705.64	99.91	202.24
1180	SLU-197	4291.12	2184.80	103.88	210.27
1181	SLU-197	4338.06	2007.61	101.82	206.12
1182	SLU-197	4389.21	1964.22	103.27	209.04
1183	SLU-198	4217.55	1663.48	101.05	204.55
1184	SLU-198	4764.34	1887.55	98.74	199.88
1185	SLU-198	4734.76	1748.84	97.93	198.23
1186	SLU-198	4247.81	1802.90	101.86	206.19
1187	SLU-198	4506.84	1838.25	98.57	199.52
1188	SLU-198	4556.40	1793.62	100.06	202.55
1189	SLU-199	4044.95	1829.88	91.63	185.49
1190	SLU-199	4605.37	2050.49	89.38	180.93
1191	SLU-199	4080.00	1981.20	92.32	186.87
1192	SLU-199	4576.16	1899.95	88.72	179.58
1193	SLU-199	4339.17	2006.69	89.48	181.13
1194	SLU-199	4405.13	1948.48	90.46	183.11
1195	SLU-200	4056.53	1824.68	91.59	185.39
1196	SLU-200	4269.00	2383.07	93.65	189.56

1197	SLU-200	4125.33	2358.45	94.36	191.00
1198	SLU-200	4200.88	1850.03	90.88	183.96
1199	SLU-200	4169.62	2175.66	92.76	187.76
1200	SLU-200	4226.78	2123.43	93.50	189.27
1201	SLU-201	4135.20	1606.62	100.60	203.63
1202	SLU-201	4367.72	2155.14	103.10	208.70
1203	SLU-201	4284.55	1643.64	99.87	202.17
1204	SLU-201	4220.29	2122.81	103.84	210.20
1205	SLU-201	4267.23	1945.62	101.79	206.05
1206	SLU-201	4318.38	1902.23	103.23	208.96
1207	SLU-202	4146.72	1601.49	101.01	204.47
1208	SLU-202	4693.51	1825.56	98.71	199.81
1209	SLU-202	4663.93	1686.85	97.89	198.16
1210	SLU-202	4176.99	1740.91	101.83	206.12
1211	SLU-202	4436.01	1776.26	98.53	199.45
1212	SLU-202	4485.57	1731.63	100.02	202.47
1213	SLU-203	3977.56	1764.44	91.55	185.32
1214	SLU-203	4537.99	1985.06	89.30	180.76
1215	SLU-203	4012.62	1915.76	92.24	186.71
1216	SLU-203	4508.77	1834.51	88.63	179.41
1217	SLU-203	4271.78	1941.26	89.40	180.96
1218	SLU-203	4337.75	1883.05	90.37	182.93
1219	SLU-204	3989.15	1759.25	91.50	185.22
1220	SLU-204	4201.62	2317.64	93.56	189.40
1221	SLU-204	4057.95	2293.02	94.28	190.84
1222	SLU-204	4133.49	1784.59	90.79	183.79
1223	SLU-204	4102.24	2110.22	92.68	187.60
1224	SLU-204	4159.39	2057.99	93.41	189.09
1225	SLU-205	4195.19	1657.77	100.63	203.69
1226	SLU-205	4427.71	2206.29	103.13	208.76
1227	SLU-205	4344.54	1694.79	99.90	202.23
1228	SLU-205	4280.28	2173.96	103.87	210.25
1229	SLU-205	4327.22	1996.77	101.82	206.10
1230	SLU-205	4378.37	1953.38	103.26	209.02
1231	SLU-206	4206.71	1652.64	101.04	204.53
1232	SLU-206	4753.50	1876.71	98.74	199.87
1233	SLU-206	4723.92	1738.00	97.92	198.22
1234	SLU-206	4236.98	1792.06	101.86	206.18
1235	SLU-206	4496.00	1827.41	98.56	199.50
1236	SLU-206	4545.56	1782.78	100.05	202.53
1237	SLU-207	4034.28	1818.87	91.65	185.51
1238	SLU-207	4594.70	2039.49	89.40	180.96
1239	SLU-207	4069.33	1970.19	92.33	186.90
1240	SLU-207	4565.49	1888.94	88.73	179.61
1241	SLU-207	4328.49	1995.69	89.49	181.15
1242	SLU-207	4394.46	1937.48	90.47	183.13
1243	SLU-208	4045.86	1813.67	91.60	185.41
1244	SLU-208	4258.33	2372.07	93.66	189.58

1245	SLU-208	4114.66	2347.44	94.37	191.02
1246	SLU-208	4190.20	1839.02	90.89	183.98
1247	SLU-208	4158.95	2164.65	92.77	187.79
1248	SLU-208	4216.10	2112.42	93.51	189.29
1249	SLU-209	4014.41	1749.03	88.98	180.11
1250	SLU-209	4246.93	2297.55	91.47	185.16
1251	SLU-209	4163.76	1786.05	88.26	178.66
1252	SLU-209	4099.50	2265.22	92.20	186.64
1253	SLU-209	4146.44	2088.03	90.10	182.38
1254	SLU-209	4197.59	2044.64	91.67	185.56
1255	SLU-210	4025.93	1743.90	89.41	180.99
1256	SLU-210	4572.72	1967.97	87.12	176.35
1257	SLU-210	4543.14	1829.26	86.31	174.71
1258	SLU-210	4056.20	1883.32	90.22	182.63
1259	SLU-210	4315.22	1918.67	86.87	175.85
1260	SLU-210	4364.78	1874.04	88.49	179.13
1261	SLU-211	4103.97	1659.65	103.12	208.73
1262	SLU-211	4664.40	1880.27	100.82	204.09
1263	SLU-211	4139.03	1810.97	103.81	210.13
1264	SLU-211	4635.18	1729.72	100.14	202.71
1265	SLU-211	4398.19	1836.47	101.01	204.46
1266	SLU-211	4464.15	1778.26	101.82	206.11
1267	SLU-212	4115.56	1654.46	103.04	208.58
1268	SLU-212	4328.02	2212.85	105.14	212.83
1269	SLU-212	4184.36	2188.23	105.87	214.30
1270	SLU-212	4259.90	1679.80	102.32	207.11
1271	SLU-212	4228.65	2005.43	104.32	211.16
1272	SLU-212	4285.80	1953.20	104.91	212.37
1273	SLU-213	4074.40	1800.18	89.01	180.18
1274	SLU-213	4306.92	2348.70	91.51	185.23
1275	SLU-213	4223.75	1837.20	88.30	178.73
1276	SLU-213	4159.49	2316.37	92.24	186.71
1277	SLU-213	4206.43	2139.18	90.13	182.44
1278	SLU-213	4257.58	2095.79	91.71	185.64
1279	SLU-214	4085.92	1795.05	89.45	181.06
1280	SLU-214	4632.71	2019.12	87.15	176.42
1281	SLU-214	4603.13	1880.41	86.34	174.78
1282	SLU-214	4116.19	1934.47	90.26	182.70
1283	SLU-214	4375.21	1969.82	86.91	175.92
1284	SLU-214	4424.77	1925.19	88.53	179.21
1285	SLU-215	4160.68	1714.08	103.20	208.90
1286	SLU-215	4721.11	1934.70	100.91	204.27
1287	SLU-215	4195.74	1865.40	103.90	210.31
1288	SLU-215	4691.89	1784.15	100.23	202.89
1289	SLU-215	4454.90	1890.90	101.09	204.63
1290	SLU-215	4520.87	1832.69	101.91	206.30
1291	SLU-216	4172.27	1708.89	103.13	208.76
1292	SLU-216	4384.74	2267.28	105.23	213.00

1293	SLU-216	4241.07	2242.66	105.95	214.47
1294	SLU-216	4316.61	1734.23	102.41	207.29
1295	SLU-216	4285.36	2059.86	104.40	211.33
1296	SLU-216	4342.51	2007.63	105.00	212.55
1297	SLU-217	4003.57	1738.19	88.97	180.10
1298	SLU-217	4236.09	2286.71	91.46	185.14
1299	SLU-217	4152.92	1775.21	88.25	178.64
1300	SLU-217	4088.66	2254.38	92.20	186.63
1301	SLU-217	4135.61	2077.19	90.09	182.37
1302	SLU-217	4186.75	2033.79	91.66	185.55
1303	SLU-218	4015.09	1733.06	89.40	180.97
1304	SLU-218	4561.88	1957.13	87.11	176.33
1305	SLU-218	4532.30	1818.42	86.30	174.69
1306	SLU-218	4045.36	1872.48	90.22	182.62
1307	SLU-218	4304.39	1907.83	86.87	175.84
1308	SLU-218	4353.95	1863.19	88.49	179.12
1309	SLU-219	4093.30	1648.64	103.13	208.75
1310	SLU-219	4653.72	1869.26	100.83	204.11
1311	SLU-219	4128.35	1799.97	103.82	210.16
1312	SLU-219	4624.51	1718.72	100.15	202.73
1313	SLU-219	4387.52	1825.46	101.02	204.48
1314	SLU-219	4453.48	1767.25	101.83	206.13
1315	SLU-220	4104.88	1643.45	103.05	208.60
1316	SLU-220	4317.35	2201.84	105.15	212.85
1317	SLU-220	4173.68	2177.22	105.88	214.32
1318	SLU-220	4249.23	1668.79	102.33	207.14
1319	SLU-220	4217.98	1994.42	104.33	211.18
1320	SLU-220	4275.13	1942.20	104.93	212.39
1321	SLU-221	4063.56	1789.34	89.01	180.17
1322	SLU-221	4296.08	2337.86	91.50	185.21
1323	SLU-221	4212.91	1826.36	88.29	178.72
1324	SLU-221	4148.65	2305.53	92.23	186.70
1325	SLU-221	4195.60	2128.34	90.12	182.43
1326	SLU-221	4246.74	2084.95	91.70	185.62
1327	SLU-222	4075.08	1784.21	89.44	181.05
1328	SLU-222	4621.87	2008.28	87.15	176.41
1329	SLU-222	4592.29	1869.57	86.34	174.77
1330	SLU-222	4105.35	1923.63	90.25	182.69
1331	SLU-222	4364.38	1958.98	86.90	175.90
1332	SLU-222	4413.94	1914.34	88.53	179.20
1333	SLU-223	4150.01	1703.07	103.21	208.93
1334	SLU-223	4710.44	1923.69	100.92	204.29
1335	SLU-223	4185.07	1854.39	103.91	210.33
1336	SLU-223	4681.22	1773.15	100.24	202.91
1337	SLU-223	4444.23	1879.89	101.10	204.66
1338	SLU-223	4510.19	1821.68	101.93	206.32
1339	SLU-224	4161.60	1697.88	103.14	208.78
1340	SLU-224	4374.07	2256.27	105.24	213.03

1341	SLU-224	4230.40	2231.65	105.96	214.50
1342	SLU-224	4305.94	1723.22	102.42	207.32
1343	SLU-224	4274.69	2048.85	104.41	211.35
1344	SLU-224	4331.84	1996.62	105.02	212.58
1345	SLU-225	4666.45	1097.05	155.68	315.13
1346	SLU-225	4898.96	1645.57	158.20	320.24
1347	SLU-225	4815.80	1134.08	154.95	313.65
1348	SLU-225	4751.54	1613.24	158.95	321.75
1349	SLU-225	4798.48	1436.05	157.07	317.95
1350	SLU-225	4849.63	1392.66	158.12	320.08
1351	SLU-226	4677.97	1091.92	156.04	315.86
1352	SLU-226	5224.76	1315.99	153.72	311.16
1353	SLU-226	5195.18	1177.28	152.90	309.51
1354	SLU-226	4708.23	1231.34	156.86	317.51
1355	SLU-226	4967.26	1266.69	153.74	311.20
1356	SLU-226	5016.82	1222.06	154.85	313.46
1357	SLU-227	4556.69	1207.11	155.95	315.69
1358	SLU-227	5117.11	1427.73	153.57	310.86
1359	SLU-227	4591.74	1358.44	156.67	317.13
1360	SLU-227	5087.90	1277.19	152.86	309.43
1361	SLU-227	4850.91	1383.93	153.97	311.66
1362	SLU-227	4916.87	1325.72	154.39	312.52
1363	SLU-228	4568.27	1201.92	155.82	315.41
1364	SLU-228	4780.74	1760.31	158.00	319.83
1365	SLU-228	4637.07	1735.69	158.76	321.36
1366	SLU-228	4712.62	1227.27	155.06	313.88
1367	SLU-228	4681.37	1552.90	157.33	318.47
1368	SLU-228	4738.52	1500.67	157.58	318.98
1369	SLU-229	4726.44	1148.20	155.69	315.14
1370	SLU-229	4958.95	1696.72	158.21	320.25
1371	SLU-229	4875.79	1185.23	154.95	313.66
1372	SLU-229	4811.53	1664.39	158.95	321.76
1373	SLU-229	4858.47	1487.20	157.08	317.96
1374	SLU-229	4909.62	1443.81	158.13	320.09
1375	SLU-230	4737.96	1143.07	156.05	315.87
1376	SLU-230	5284.75	1367.14	153.73	311.18
1377	SLU-230	5255.17	1228.43	152.91	309.52
1378	SLU-230	4768.22	1282.49	156.86	317.53
1379	SLU-230	5027.25	1317.84	153.74	311.21
1380	SLU-230	5076.81	1273.21	154.86	313.47
1381	SLU-231	4613.40	1261.54	156.02	315.83
1382	SLU-231	5173.83	1482.16	153.64	311.01
1383	SLU-231	4648.46	1412.87	156.74	317.27
1384	SLU-231	5144.61	1331.62	152.93	309.58
1385	SLU-231	4907.62	1438.36	154.03	311.80
1386	SLU-231	4973.58	1380.15	154.46	312.66
1387	SLU-232	4624.99	1256.35	155.89	315.55
1388	SLU-232	4837.46	1814.74	158.07	319.97

1389	SLU-232	4693.79	1790.12	158.82	321.50
1390	SLU-232	4769.33	1281.69	155.13	314.02
1391	SLU-232	4738.08	1607.32	157.40	318.60
1392	SLU-232	4795.23	1555.10	157.65	319.12
1393	SLU-233	4655.61	1086.21	155.67	315.11
1394	SLU-233	4888.13	1634.73	158.19	320.22
1395	SLU-233	4804.96	1123.23	154.94	313.63
1396	SLU-233	4740.70	1602.40	158.94	321.73
1397	SLU-233	4787.64	1425.21	157.07	317.94
1398	SLU-233	4838.79	1381.82	158.11	320.06
1399	SLU-234	4667.13	1081.08	156.03	315.84
1400	SLU-234	5213.92	1305.15	153.71	311.14
1401	SLU-234	5184.34	1166.44	152.89	309.49
1402	SLU-234	4697.40	1220.50	156.85	317.49
1403	SLU-234	4956.42	1255.85	153.73	311.18
1404	SLU-234	5005.98	1211.22	154.84	313.44
1405	SLU-235	4546.02	1196.11	155.97	315.71
1406	SLU-235	5106.44	1416.72	153.58	310.89
1407	SLU-235	4581.07	1347.43	156.68	317.15
1408	SLU-235	5077.23	1266.18	152.88	309.46
1409	SLU-235	4840.24	1372.93	153.98	311.68
1410	SLU-235	4906.20	1314.72	154.40	312.54
1411	SLU-236	4557.60	1190.91	155.83	315.43
1412	SLU-236	4770.07	1749.31	158.01	319.85
1413	SLU-236	4626.40	1724.68	158.77	321.38
1414	SLU-236	4701.95	1216.26	155.07	313.90
1415	SLU-236	4670.69	1541.89	157.34	318.49
1416	SLU-236	4727.85	1489.66	157.59	319.00
1417	SLU-237	4715.60	1137.36	155.68	315.13
1418	SLU-237	4948.12	1685.88	158.20	320.23
1419	SLU-237	4864.95	1174.38	154.94	313.64
1420	SLU-237	4800.69	1653.55	158.94	321.74
1421	SLU-237	4847.63	1476.36	157.07	317.94
1422	SLU-237	4898.78	1432.97	158.12	320.08
1423	SLU-238	4727.12	1132.23	156.04	315.85
1424	SLU-238	5273.91	1356.30	153.72	311.16
1425	SLU-238	5244.33	1217.59	152.90	309.51
1426	SLU-238	4757.39	1271.65	156.85	317.51
1427	SLU-238	5016.41	1307.00	153.73	311.19
1428	SLU-238	5065.97	1262.37	154.85	313.46
1429	SLU-239	4602.73	1250.54	156.03	315.85
1430	SLU-239	5163.16	1471.15	153.65	311.03
1431	SLU-239	4637.79	1401.86	156.75	317.29
1432	SLU-239	5133.94	1320.61	152.95	309.60
1433	SLU-239	4896.95	1427.36	154.04	311.82
1434	SLU-239	4962.91	1369.14	154.47	312.69
1435	SLU-240	4614.32	1245.34	155.90	315.57
1436	SLU-240	4826.78	1803.73	158.08	319.99

1437	SLU-240	4683.11	1779.11	158.83	321.52
1438	SLU-240	4758.66	1270.69	155.14	314.04
1439	SLU-240	4727.41	1596.32	157.41	318.63
1440	SLU-240	4784.56	1544.09	157.66	319.14
1441	SLU-241	4327.22	1443.57	102.54	207.56
1442	SLU-241	4559.74	1992.09	104.95	212.44
1443	SLU-241	4476.57	1480.59	101.85	206.18
1444	SLU-241	4412.31	1959.76	105.66	213.87
1445	SLU-241	4459.25	1782.57	103.33	209.16
1446	SLU-241	4510.40	1739.18	105.43	213.42
1447	SLU-242	4338.74	1438.44	103.04	208.58
1448	SLU-242	4885.53	1662.51	100.83	204.09
1449	SLU-242	4855.95	1523.80	100.04	202.50
1450	SLU-242	4369.01	1577.86	103.83	210.18
1451	SLU-242	4628.03	1613.21	100.30	203.03
1452	SLU-242	4677.59	1568.58	102.42	207.32
1453	SLU-243	4282.20	1488.78	102.88	208.24
1454	SLU-243	4842.62	1709.39	100.82	204.09
1455	SLU-243	4317.25	1640.10	103.51	209.53
1456	SLU-243	4813.41	1558.85	100.22	202.86
1457	SLU-243	4576.42	1665.59	100.57	203.58
1458	SLU-243	4642.38	1607.38	102.15	206.77
1459	SLU-244	4293.78	1483.58	102.93	208.35
1460	SLU-244	4506.25	2041.97	104.81	212.15
1461	SLU-244	4362.58	2017.35	105.45	213.46
1462	SLU-244	4438.13	1508.93	102.29	207.06
1463	SLU-244	4406.87	1834.56	103.67	209.86
1464	SLU-244	4464.02	1782.33	104.97	212.48
1465	SLU-245	4387.21	1494.72	102.60	207.69
1466	SLU-245	4619.73	2043.24	105.01	212.57
1467	SLU-245	4536.56	1531.75	101.92	206.31
1468	SLU-245	4472.30	2010.91	105.72	214.00
1469	SLU-245	4519.24	1833.72	103.39	209.28
1470	SLU-245	4570.39	1790.33	105.50	213.56
1471	SLU-246	4398.73	1489.59	103.11	208.72
1472	SLU-246	4945.52	1713.66	100.89	204.23
1473	SLU-246	4915.94	1574.95	100.11	202.64
1474	SLU-246	4429.00	1629.01	103.90	210.31
1475	SLU-246	4688.02	1664.36	100.36	203.16
1476	SLU-246	4737.58	1619.73	102.49	207.46
1477	SLU-247	4338.91	1543.21	103.00	208.49
1478	SLU-247	4899.33	1763.82	100.95	204.35
1479	SLU-247	4373.96	1694.53	103.63	209.77
1480	SLU-247	4870.12	1613.28	100.34	203.11
1481	SLU-247	4633.13	1720.02	100.69	203.82
1482	SLU-247	4699.09	1661.81	102.28	207.03
1483	SLU-248	4350.49	1538.01	103.05	208.60
1484	SLU-248	4562.96	2096.40	104.93	212.40

1485	SLU-248	4419.29	2071.78	105.57	213.70
1486	SLU-248	4494.84	1563.36	102.41	207.31
1487	SLU-248	4463.58	1888.99	103.79	210.10
1488	SLU-248	4520.74	1836.76	105.09	212.74
1489	SLU-249	4309.16	1425.50	102.53	207.54
1490	SLU-249	4541.68	1974.02	104.94	212.42
1491	SLU-249	4458.51	1462.52	101.84	206.16
1492	SLU-249	4394.25	1941.69	105.65	213.85
1493	SLU-249	4441.19	1764.50	103.32	209.14
1494	SLU-249	4492.34	1721.11	105.43	213.40
1495	SLU-250	4320.68	1420.37	103.03	208.56
1496	SLU-250	4867.47	1644.44	100.82	204.07
1497	SLU-250	4837.89	1505.73	100.03	202.48
1498	SLU-250	4350.94	1559.79	103.82	210.16
1499	SLU-250	4609.97	1595.14	100.29	203.01
1500	SLU-250	4659.53	1550.51	102.41	207.30
1501	SLU-251	4264.41	1470.43	102.90	208.28
1502	SLU-251	4824.84	1691.05	100.84	204.13
1503	SLU-251	4299.47	1621.75	103.53	209.57
1504	SLU-251	4795.62	1540.50	100.24	202.90
1505	SLU-251	4558.63	1647.25	100.59	203.62
1506	SLU-251	4624.59	1589.04	102.17	206.81
1507	SLU-252	4276.00	1465.24	102.95	208.39
1508	SLU-252	4488.46	2023.63	104.83	212.19
1509	SLU-252	4344.79	1999.01	105.47	213.50
1510	SLU-252	4420.34	1490.58	102.31	207.10
1511	SLU-252	4389.09	1816.21	103.69	209.90
1512	SLU-252	4446.24	1763.98	104.99	212.52
1513	SLU-253	4369.15	1476.65	102.59	207.67
1514	SLU-253	4601.67	2025.17	105.00	212.55
1515	SLU-253	4518.50	1513.68	101.91	206.29
1516	SLU-253	4454.24	1992.84	105.71	213.98
1517	SLU-253	4501.18	1815.65	103.38	209.26
1518	SLU-253	4552.33	1772.26	105.49	213.54
1519	SLU-254	4380.67	1471.52	103.10	208.70
1520	SLU-254	4927.46	1695.59	100.88	204.21
1521	SLU-254	4897.88	1556.88	100.10	202.62
1522	SLU-254	4410.93	1610.94	103.89	210.29
1523	SLU-254	4669.96	1646.29	100.35	203.14
1524	SLU-254	4719.52	1601.66	102.48	207.44
1525	SLU-255	4321.12	1524.86	103.02	208.53
1526	SLU-255	4881.55	1745.48	100.97	204.39
1527	SLU-255	4356.18	1676.18	103.65	209.81
1528	SLU-255	4852.33	1594.93	100.36	203.16
1529	SLU-255	4615.34	1701.68	100.71	203.86
1530	SLU-255	4681.30	1643.47	102.30	207.07
1531	SLU-256	4332.71	1519.67	103.07	208.64
1532	SLU-256	4545.18	2078.06	104.95	212.44

1533	SLU-256	4401.51	2053.44	105.59	213.74
1534	SLU-256	4477.05	1545.01	102.43	207.35
1535	SLU-256	4445.80	1870.64	103.81	210.14
1536	SLU-256	4502.95	1818.41	105.11	212.78
1541	SLV-SISMA-X	5520.52	-1367.60	297.64	602.49
1542	SLV-SISMA-X	5733.21	-1152.35	297.64	602.49
1543	SLV-SISMA-Y	5416.07	-1258.21	361.89	732.55
1544	SLV-SISMA-Y	5623.81	-1047.90	361.85	732.46
1545	SLV-SISMA-Z	3472.80	334.28	137.42	278.17
1546	SLV-SISMA-Z	4031.33	895.37	137.40	278.12
1547	SLE-R-1	2865.98	1331.31	63.93	129.40
1548	SLE-R-1	3198.70	2141.75	67.44	136.51
1549	SLE-R-1	3102.72	1384.28	62.77	127.07
1550	SLE-R-1	2962.76	2094.56	68.59	138.85
1551	SLE-R-1	3109.13	1736.05	66.86	135.34
1552	SLE-R-1	3029.44	1829.82	65.75	133.08
1553	SLE-R-2	2861.77	1344.50	64.07	129.69
1554	SLE-R-2	3667.98	1665.69	60.82	123.11
1555	SLE-R-2	3630.78	1441.02	59.65	120.75
1556	SLE-R-2	2899.73	1569.88	65.26	132.11
1557	SLE-R-2	3348.95	1500.89	62.50	126.52
1558	SLE-R-2	3271.00	1579.30	61.51	124.50
1559	SLE-R-3	2913.24	1284.17	64.25	130.07
1560	SLE-R-3	3709.55	1631.02	60.50	122.48
1561	SLE-R-3	2970.62	1516.51	65.49	132.57
1562	SLE-R-3	3656.84	1400.61	59.26	119.95
1563	SLE-R-3	3383.33	1461.97	62.88	127.29
1564	SLE-R-3	3324.49	1534.90	60.73	122.92
1565	SLE-R-4	2907.55	1298.84	63.71	128.96
1566	SLE-R-4	3243.82	2089.98	67.25	136.13
1567	SLE-R-4	3027.07	2044.86	68.59	138.84
1568	SLE-R-4	3125.06	1344.68	62.37	126.26
1569	SLE-R-4	3147.52	1702.44	67.15	135.93
1570	SLE-R-4	3083.69	1766.74	65.09	131.75
1571	SLE-R-5	2911.34	1378.57	63.85	129.25
1572	SLE-R-5	3244.06	2189.01	67.37	136.36
1573	SLE-R-5	3148.08	1431.54	62.70	126.91
1574	SLE-R-5	3008.12	2141.82	68.52	138.71
1575	SLE-R-5	3154.49	1783.31	66.78	135.18
1576	SLE-R-5	3074.80	1877.08	65.68	132.95
1577	SLE-R-6	2907.13	1391.76	64.00	129.54
1578	SLE-R-6	3713.34	1712.95	60.74	122.96
1579	SLE-R-6	3676.14	1488.28	59.57	120.59
1580	SLE-R-6	2945.09	1617.14	65.19	131.96
1581	SLE-R-6	3394.30	1548.15	62.42	126.35
1582	SLE-R-6	3316.36	1626.56	61.44	124.36
1583	SLE-R-7	2955.87	1334.16	64.23	130.02
1584	SLE-R-7	3752.18	1681.01	60.48	122.42

1585	SLE-R-7	3013.24	1566.50	65.46	132.52
1586	SLE-R-7	3699.46	1450.60	59.23	119.90
1587	SLE-R-7	3425.96	1511.96	62.85	127.22
1588	SLE-R-7	3367.11	1584.90	60.71	122.89
1589	SLE-R-8	2950.18	1348.83	63.69	128.92
1590	SLE-R-8	3286.44	2139.97	67.23	136.09
1591	SLE-R-8	3069.70	2094.85	68.57	138.80
1592	SLE-R-8	3167.68	1394.67	62.35	126.21
1593	SLE-R-8	3190.14	1752.43	67.12	135.87
1594	SLE-R-8	3126.32	1816.73	65.07	131.72
1595	SLE-R-9	2858.64	1324.19	63.92	129.38
1596	SLE-R-9	3191.37	2134.63	67.43	136.50
1597	SLE-R-9	3095.38	1377.17	62.77	127.05
1598	SLE-R-9	2955.42	2087.45	68.59	138.84
1599	SLE-R-9	3101.79	1728.93	66.85	135.33
1600	SLE-R-9	3022.10	1822.71	65.74	133.07
1601	SLE-R-10	2854.43	1337.39	64.06	129.68
1602	SLE-R-10	3660.64	1658.58	60.81	123.10
1603	SLE-R-10	3623.45	1433.91	59.64	120.73
1604	SLE-R-10	2892.39	1562.77	65.26	132.09
1605	SLE-R-10	3341.61	1493.77	62.49	126.50
1606	SLE-R-10	3263.67	1572.18	61.50	124.49
1607	SLE-R-11	2906.01	1276.95	64.26	130.08
1608	SLE-R-11	3702.32	1623.80	60.51	122.49
1609	SLE-R-11	2963.39	1509.28	65.49	132.58
1610	SLE-R-11	3649.61	1393.38	59.26	119.96
1611	SLE-R-11	3376.11	1454.74	62.89	127.30
1612	SLE-R-11	3317.26	1527.68	60.73	122.93
1613	SLE-R-12	2900.32	1291.62	63.72	128.98
1614	SLE-R-12	3236.59	2082.75	67.26	136.14
1615	SLE-R-12	3019.84	2037.64	68.60	138.85
1616	SLE-R-12	3117.83	1337.45	62.38	126.27
1617	SLE-R-12	3140.29	1695.21	67.16	135.94
1618	SLE-R-12	3076.46	1759.51	65.09	131.76
1619	SLE-R-13	2904.00	1371.45	63.84	129.23
1620	SLE-R-13	3236.72	2181.89	67.36	136.35
1621	SLE-R-13	3140.74	1424.43	62.69	126.90
1622	SLE-R-13	3000.78	2134.71	68.52	138.69
1623	SLE-R-13	3147.15	1776.19	66.77	135.16
1624	SLE-R-13	3067.46	1869.97	65.67	132.94
1625	SLE-R-14	2899.79	1384.65	63.99	129.53
1626	SLE-R-14	3706.00	1705.84	60.73	122.94
1627	SLE-R-14	3668.80	1481.17	59.56	120.57
1628	SLE-R-14	2937.75	1610.03	65.18	131.95
1629	SLE-R-14	3386.96	1541.03	62.41	126.33
1630	SLE-R-14	3309.02	1619.44	61.43	124.35
1631	SLE-R-15	2948.64	1326.94	64.23	130.03
1632	SLE-R-15	3744.95	1673.79	60.48	122.43

1633	SLE-R-15	3006.02	1559.28	65.47	132.53
1634	SLE-R-15	3692.23	1443.38	59.24	119.91
1635	SLE-R-15	3418.73	1504.73	62.85	127.23
1636	SLE-R-15	3359.88	1577.67	60.71	122.90
1637	SLE-R-16	2942.95	1341.61	63.69	128.93
1638	SLE-R-16	3279.22	2132.75	67.23	136.10
1639	SLE-R-16	3062.47	2087.63	68.57	138.81
1640	SLE-R-16	3160.45	1387.45	62.35	126.22
1641	SLE-R-16	3182.92	1745.20	67.13	135.88
1642	SLE-R-16	3119.09	1809.50	65.07	131.73
1643	SLE-R-17	3230.61	1027.65	74.92	151.65
1644	SLE-R-17	3394.03	1442.78	76.27	154.39
1645	SLE-R-17	3342.70	1053.62	74.50	150.80
1646	SLE-R-17	3282.52	1421.14	76.68	155.22
1647	SLE-R-17	3361.59	1245.59	76.70	155.25
1648	SLE-R-17	3318.47	1294.45	75.17	152.17
1649	SLE-R-18	3226.77	1036.23	74.80	151.42
1650	SLE-R-18	3640.39	1193.62	73.59	148.95
1651	SLE-R-18	3622.15	1087.19	73.18	148.13
1652	SLE-R-18	3245.54	1143.15	75.22	152.27
1653	SLE-R-18	3486.75	1120.00	74.62	151.05
1654	SLE-R-18	3448.06	1162.34	73.24	148.25
1655	SLE-R-19	3257.25	1001.14	74.97	151.75
1656	SLE-R-19	3663.56	1173.38	73.29	148.36
1657	SLE-R-19	3284.67	1111.77	75.44	152.70
1658	SLE-R-19	3639.61	1064.17	72.80	147.37
1659	SLE-R-19	3508.36	1098.94	74.69	151.18
1660	SLE-R-19	3476.22	1136.83	72.72	147.19
1661	SLE-R-20	3253.45	1009.67	74.55	150.90
1662	SLE-R-20	3419.42	1414.70	76.11	154.06
1663	SLE-R-20	3316.68	1392.79	76.67	155.19
1664	SLE-R-20	3356.72	1032.09	73.99	149.78
1665	SLE-R-20	3382.91	1223.97	76.69	155.24
1666	SLE-R-20	3349.84	1260.68	74.82	151.45
1667	SLE-R-21	3275.97	1074.91	74.79	151.40
1668	SLE-R-21	3439.39	1490.04	76.15	154.15
1669	SLE-R-21	3388.06	1100.88	74.37	150.55
1670	SLE-R-21	3327.88	1468.40	76.56	154.98
1671	SLE-R-21	3406.95	1292.85	76.57	155.00
1672	SLE-R-21	3363.83	1341.71	75.06	151.93
1673	SLE-R-22	3272.12	1083.49	74.68	151.18
1674	SLE-R-22	3685.75	1240.87	73.46	148.70
1675	SLE-R-22	3667.51	1134.45	73.05	147.88
1676	SLE-R-22	3290.90	1190.41	75.10	152.02
1677	SLE-R-22	3532.10	1167.26	74.50	150.80
1678	SLE-R-22	3493.42	1209.60	73.11	148.00
1679	SLE-R-23	3299.87	1051.13	74.89	151.59
1680	SLE-R-23	3706.18	1223.37	73.21	148.19

1681	SLE-R-23	3327.30	1161.76	75.36	152.54
1682	SLE-R-23	3682.23	1114.16	72.72	147.21
1683	SLE-R-23	3550.98	1148.94	74.60	151.01
1684	SLE-R-23	3518.84	1186.82	72.64	147.03
1685	SLE-R-24	3296.07	1059.67	74.47	150.74
1686	SLE-R-24	3462.05	1464.70	76.03	153.90
1687	SLE-R-24	3359.30	1442.78	76.59	155.04
1688	SLE-R-24	3399.35	1082.09	73.91	149.62
1689	SLE-R-24	3425.53	1273.96	76.61	155.08
1690	SLE-R-24	3392.47	1310.67	74.74	151.30
1691	SLE-R-25	3223.27	1020.54	74.91	151.63
1692	SLE-R-25	3386.69	1435.66	76.26	154.37
1693	SLE-R-25	3335.37	1046.50	74.49	150.78
1694	SLE-R-25	3275.18	1414.02	76.67	155.21
1695	SLE-R-25	3354.25	1238.48	76.69	155.24
1696	SLE-R-25	3311.13	1287.34	75.17	152.15
1697	SLE-R-26	3219.43	1029.12	74.80	151.41
1698	SLE-R-26	3633.05	1186.50	73.58	148.94
1699	SLE-R-26	3614.81	1080.08	73.17	148.12
1700	SLE-R-26	3238.20	1136.04	75.21	152.25
1701	SLE-R-26	3479.41	1112.89	74.61	151.03
1702	SLE-R-26	3440.72	1155.22	73.23	148.23
1703	SLE-R-27	3250.02	993.92	74.97	151.75
1704	SLE-R-27	3656.33	1166.15	73.29	148.36
1705	SLE-R-27	3277.44	1104.55	75.44	152.71
1706	SLE-R-27	3632.38	1056.95	72.81	147.38
1707	SLE-R-27	3501.13	1091.72	74.69	151.19
1708	SLE-R-27	3468.99	1129.61	72.72	147.20
1709	SLE-R-28	3246.22	1002.45	74.55	150.91
1710	SLE-R-28	3412.20	1407.48	76.11	154.06
1711	SLE-R-28	3309.45	1385.57	76.67	155.20
1712	SLE-R-28	3349.49	1024.87	73.99	149.78
1713	SLE-R-28	3375.68	1216.74	76.69	155.24
1714	SLE-R-28	3342.62	1253.45	74.82	151.46
1715	SLE-R-29	3268.63	1067.80	74.79	151.38
1716	SLE-R-29	3432.05	1482.92	76.14	154.13
1717	SLE-R-29	3380.72	1093.76	74.36	150.53
1718	SLE-R-29	3320.54	1461.28	76.55	154.96
1719	SLE-R-29	3399.61	1285.74	76.57	154.99
1720	SLE-R-29	3356.49	1334.60	75.05	151.91
1721	SLE-R-30	3264.78	1076.38	74.68	151.16
1722	SLE-R-30	3678.41	1233.76	73.45	148.69
1723	SLE-R-30	3660.17	1127.34	73.05	147.86
1724	SLE-R-30	3283.56	1183.30	75.09	152.01
1725	SLE-R-30	3524.77	1160.15	74.49	150.78
1726	SLE-R-30	3486.08	1202.48	73.11	147.98
1727	SLE-R-31	3292.64	1043.91	74.89	151.59
1728	SLE-R-31	3698.96	1216.14	73.21	148.20

1729	SLE-R-31	3320.07	1154.54	75.36	152.55
1730	SLE-R-31	3675.01	1106.94	72.72	147.21
1731	SLE-R-31	3543.76	1141.71	74.61	151.02
1732	SLE-R-31	3511.61	1179.60	72.64	147.04
1733	SLE-R-32	3288.84	1052.44	74.47	150.75
1734	SLE-R-32	3454.82	1457.47	76.03	153.91
1735	SLE-R-32	3352.07	1435.56	76.59	155.04
1736	SLE-R-32	3392.12	1074.86	73.91	149.62
1737	SLE-R-32	3418.30	1266.73	76.61	155.08
1738	SLE-R-32	3385.24	1303.44	74.75	151.31
1739	SLE-R-33	2784.09	1475.97	61.57	124.63
1740	SLE-R-33	2956.33	1882.29	63.43	128.41
1741	SLE-R-33	2894.72	1503.40	61.02	123.52
1742	SLE-R-33	2847.12	1858.34	63.99	129.52
1743	SLE-R-33	2881.90	1727.09	62.72	126.96
1744	SLE-R-33	2919.78	1694.94	63.27	128.07
1745	SLE-R-34	2792.63	1472.17	61.80	125.10
1746	SLE-R-34	3197.66	1638.15	60.09	121.63
1747	SLE-R-34	3175.74	1535.40	59.48	120.41
1748	SLE-R-34	2815.05	1575.45	62.40	126.32
1749	SLE-R-34	3006.92	1601.63	60.22	121.89
1750	SLE-R-34	3043.63	1568.57	60.83	123.14
1751	SLE-R-35	2739.62	1520.56	61.75	125.00
1752	SLE-R-35	3154.75	1683.98	59.95	121.35
1753	SLE-R-35	2765.59	1632.65	62.29	126.09
1754	SLE-R-35	3133.11	1572.47	59.41	120.26
1755	SLE-R-35	2957.56	1651.54	60.37	122.21
1756	SLE-R-35	3006.43	1608.42	60.46	122.38
1757	SLE-R-36	2748.21	1516.72	61.62	124.72
1758	SLE-R-36	2905.59	1930.34	63.27	128.07
1759	SLE-R-36	2799.17	1912.10	63.85	129.24
1760	SLE-R-36	2855.13	1535.49	61.04	123.56
1761	SLE-R-36	2831.98	1776.70	62.88	127.29
1762	SLE-R-36	2874.31	1738.01	62.85	127.23
1763	SLE-R-37	2834.08	1518.60	61.56	124.61
1764	SLE-R-37	3006.32	1924.91	63.43	128.39
1765	SLE-R-37	2944.71	1546.02	61.01	123.50
1766	SLE-R-37	2897.11	1900.96	63.98	129.51
1767	SLE-R-37	2931.89	1769.71	62.71	126.93
1768	SLE-R-37	2969.77	1737.57	63.27	128.07
1769	SLE-R-38	2842.62	1514.80	61.79	125.09
1770	SLE-R-38	3247.65	1680.78	60.08	121.61
1771	SLE-R-38	3225.74	1578.03	59.48	120.40
1772	SLE-R-38	2865.04	1618.07	62.40	126.30
1773	SLE-R-38	3056.91	1644.26	60.20	121.87
1774	SLE-R-38	3093.62	1611.20	60.83	123.13
1775	SLE-R-39	2786.88	1565.92	61.80	125.09
1776	SLE-R-39	3202.01	1729.34	59.99	121.44

1777	SLE-R-39	2812.85	1678.01	62.33	126.18
1778	SLE-R-39	3180.37	1617.83	59.46	120.36
1779	SLE-R-39	3004.82	1696.90	60.41	122.29
1780	SLE-R-39	3053.69	1653.78	60.50	122.48
1781	SLE-R-40	2795.47	1562.07	61.66	124.82
1782	SLE-R-40	2952.85	1975.70	63.31	128.16
1783	SLE-R-40	2846.43	1957.46	63.89	129.33
1784	SLE-R-40	2902.39	1580.85	61.09	123.65
1785	SLE-R-40	2879.24	1822.05	62.92	127.37
1786	SLE-R-40	2921.57	1783.37	62.90	127.33
1787	SLE-R-41	2776.87	1468.74	61.56	124.62
1788	SLE-R-41	2949.10	1875.06	63.43	128.39
1789	SLE-R-41	2887.50	1496.17	61.02	123.51
1790	SLE-R-41	2839.90	1851.11	63.98	129.51
1791	SLE-R-41	2874.67	1719.86	62.71	126.94
1792	SLE-R-41	2912.56	1687.71	63.26	128.06
1793	SLE-R-42	2785.40	1464.94	61.80	125.09
1794	SLE-R-42	3190.43	1630.92	60.08	121.62
1795	SLE-R-42	3168.52	1528.17	59.48	120.40
1796	SLE-R-42	2807.82	1568.22	62.40	126.31
1797	SLE-R-42	2999.69	1594.40	60.21	121.88
1798	SLE-R-42	3036.40	1561.34	60.83	123.13
1799	SLE-R-43	2732.51	1513.23	61.76	125.02
1800	SLE-R-43	3147.64	1676.65	59.95	121.36
1801	SLE-R-43	2758.48	1625.32	62.30	126.11
1802	SLE-R-43	3126.00	1565.13	59.42	120.28
1803	SLE-R-43	2950.45	1644.20	60.38	122.22
1804	SLE-R-43	2999.31	1601.08	60.46	122.39
1805	SLE-R-44	2741.09	1509.38	61.62	124.74
1806	SLE-R-44	2898.48	1923.00	63.28	128.09
1807	SLE-R-44	2792.05	1904.76	63.85	129.25
1808	SLE-R-44	2848.01	1528.15	61.05	123.57
1809	SLE-R-44	2824.86	1769.36	62.89	127.31
1810	SLE-R-44	2867.20	1730.67	62.86	127.24
1811	SLE-R-45	2826.86	1511.37	61.55	124.60
1812	SLE-R-45	2999.10	1917.68	63.42	128.38
1813	SLE-R-45	2937.49	1538.80	61.01	123.49
1814	SLE-R-45	2889.89	1893.73	63.97	129.49
1815	SLE-R-45	2924.66	1762.48	62.70	126.92
1816	SLE-R-45	2962.55	1730.34	63.26	128.05
1817	SLE-R-46	2835.39	1507.57	61.79	125.07
1818	SLE-R-46	3240.42	1673.55	60.07	121.60
1819	SLE-R-46	3218.51	1570.80	59.47	120.38
1820	SLE-R-46	2857.81	1610.85	62.39	126.29
1821	SLE-R-46	3049.69	1637.03	60.20	121.85
1822	SLE-R-46	3086.39	1603.97	60.82	123.12
1823	SLE-R-47	2779.77	1558.58	61.80	125.11
1824	SLE-R-47	3194.90	1722.00	60.00	121.45

1825	SLE-R-47	2805.74	1670.67	62.34	126.19
1826	SLE-R-47	3173.26	1610.49	59.46	120.37
1827	SLE-R-47	2997.71	1689.56	60.42	122.30
1828	SLE-R-47	3046.57	1646.44	60.51	122.49
1829	SLE-R-48	2788.35	1554.73	61.67	124.83
1830	SLE-R-48	2945.74	1968.36	63.32	128.18
1831	SLE-R-48	2839.31	1950.12	63.90	129.34
1832	SLE-R-48	2895.27	1573.51	61.09	123.67
1833	SLE-R-48	2872.12	1814.72	62.93	127.39
1834	SLE-R-48	2914.46	1776.03	62.91	127.34
1835	SLE-R-49	2928.82	1330.30	67.43	136.50
1836	SLE-R-49	3092.24	1745.43	69.13	139.94
1837	SLE-R-49	3040.91	1356.27	66.92	135.46
1838	SLE-R-49	2980.72	1723.79	69.64	140.97
1839	SLE-R-49	3059.80	1548.24	69.01	139.69
1840	SLE-R-49	3016.68	1597.10	68.44	138.54
1841	SLE-R-50	2924.97	1338.88	67.49	136.61
1842	SLE-R-50	3338.59	1496.27	65.93	133.46
1843	SLE-R-50	3320.36	1389.84	65.40	132.38
1844	SLE-R-50	2943.75	1445.80	68.03	137.70
1845	SLE-R-50	3184.95	1422.65	66.58	134.78
1846	SLE-R-50	3146.26	1464.99	66.12	133.83
1847	SLE-R-51	2900.88	1358.36	60.60	122.67
1848	SLE-R-51	3307.20	1530.59	58.75	118.93
1849	SLE-R-51	2928.31	1468.99	61.13	123.75
1850	SLE-R-51	3283.25	1421.39	58.21	117.83
1851	SLE-R-51	3152.00	1456.16	59.80	121.05
1852	SLE-R-51	3119.85	1494.05	58.64	118.70
1853	SLE-R-52	2897.09	1366.89	60.28	122.03
1854	SLE-R-52	3063.06	1771.92	61.99	125.48
1855	SLE-R-52	2960.31	1750.01	62.59	126.70
1856	SLE-R-52	3000.36	1389.31	59.68	120.81
1857	SLE-R-52	3026.54	1581.18	62.16	125.83
1858	SLE-R-52	2993.48	1617.89	61.02	123.53
1859	SLE-R-53	2974.18	1377.56	67.36	136.35
1860	SLE-R-53	3137.60	1792.69	69.06	139.80
1861	SLE-R-53	3086.27	1403.53	66.85	135.31
1862	SLE-R-53	3026.08	1771.05	69.57	140.83
1863	SLE-R-53	3105.15	1595.50	68.93	139.54
1864	SLE-R-53	3062.03	1644.36	68.37	138.40
1865	SLE-R-54	2970.33	1386.14	67.42	136.46
1866	SLE-R-54	3383.95	1543.53	65.86	133.31
1867	SLE-R-54	3365.71	1437.10	65.33	132.23
1868	SLE-R-54	2989.10	1493.06	67.96	137.56
1869	SLE-R-54	3230.31	1469.91	66.50	134.62
1870	SLE-R-54	3191.62	1512.25	66.05	133.69
1871	SLE-R-55	2943.51	1408.35	60.57	122.61
1872	SLE-R-55	3349.82	1580.59	58.72	118.87

1873	SLE-R-55	2970.94	1518.98	61.11	123.69
1874	SLE-R-55	3325.87	1471.38	58.18	117.77
1875	SLE-R-55	3194.62	1506.15	59.77	120.98
1876	SLE-R-55	3162.48	1544.04	58.62	118.65
1877	SLE-R-56	2939.71	1416.88	60.26	121.98
1878	SLE-R-56	3105.69	1821.91	61.96	125.43
1879	SLE-R-56	3002.94	1800.00	62.57	126.65
1880	SLE-R-56	3042.99	1439.30	59.66	120.76
1881	SLE-R-56	3069.17	1631.18	62.13	125.77
1882	SLE-R-56	3036.11	1667.89	61.00	123.48
1883	SLE-R-57	2921.48	1323.19	67.42	136.48
1884	SLE-R-57	3084.90	1738.32	69.13	139.93
1885	SLE-R-57	3033.57	1349.15	66.91	135.44
1886	SLE-R-57	2973.39	1716.68	69.64	140.96
1887	SLE-R-57	3052.46	1541.13	69.00	139.67
1888	SLE-R-57	3009.34	1589.99	68.43	138.52
1889	SLE-R-58	2917.63	1331.77	67.48	136.59
1890	SLE-R-58	3331.26	1489.15	65.92	133.45
1891	SLE-R-58	3313.02	1382.73	65.39	132.37
1892	SLE-R-58	2936.41	1438.69	68.02	137.69
1893	SLE-R-58	3177.61	1415.54	66.57	134.76
1894	SLE-R-58	3138.93	1457.87	66.11	133.82
1895	SLE-R-59	2893.66	1351.13	60.61	122.68
1896	SLE-R-59	3299.97	1523.37	58.76	118.94
1897	SLE-R-59	2921.08	1461.77	61.14	123.76
1898	SLE-R-59	3276.02	1414.17	58.21	117.84
1899	SLE-R-59	3144.77	1448.94	59.80	121.06
1900	SLE-R-59	3112.63	1486.82	58.64	118.71
1901	SLE-R-60	2889.86	1359.67	60.29	122.04
1902	SLE-R-60	3055.83	1764.70	61.99	125.49
1903	SLE-R-60	2953.09	1742.79	62.60	126.71
1904	SLE-R-60	2993.13	1382.09	59.69	120.82
1905	SLE-R-60	3019.32	1573.96	62.17	125.84
1906	SLE-R-60	2986.26	1610.67	61.03	123.54
1907	SLE-R-61	2966.84	1370.45	67.35	136.33
1908	SLE-R-61	3130.26	1785.58	69.06	139.79
1909	SLE-R-61	3078.93	1396.41	66.84	135.29
1910	SLE-R-61	3018.74	1763.94	69.56	140.81
1911	SLE-R-61	3097.81	1588.39	68.93	139.52
1912	SLE-R-61	3054.70	1637.25	68.37	138.39
1913	SLE-R-62	2962.99	1379.03	67.41	136.45
1914	SLE-R-62	3376.61	1536.41	65.85	133.30
1915	SLE-R-62	3358.38	1429.99	65.32	132.22
1916	SLE-R-62	2981.76	1485.95	67.95	137.54
1917	SLE-R-62	3222.97	1462.80	66.50	134.61
1918	SLE-R-62	3184.28	1505.14	66.04	133.68
1919	SLE-R-63	2936.28	1401.13	60.58	122.62
1920	SLE-R-63	3342.60	1573.36	58.73	118.88

1921	SLE-R-63	2963.71	1511.76	61.11	123.70
1922	SLE-R-63	3318.65	1464.16	58.19	117.78
1923	SLE-R-63	3187.40	1498.93	59.77	120.99
1924	SLE-R-63	3155.25	1536.82	58.62	118.66
1925	SLE-R-64	2932.48	1409.66	60.26	121.99
1926	SLE-R-64	3098.46	1814.69	61.97	125.44
1927	SLE-R-64	2995.71	1792.78	62.57	126.66
1928	SLE-R-64	3035.76	1432.08	59.66	120.77
1929	SLE-R-64	3061.94	1623.95	62.14	125.78
1930	SLE-R-64	3028.88	1660.66	61.01	123.49
1931	SLE-R-65	2843.04	1416.03	58.88	119.18
1932	SLE-R-65	3006.46	1831.16	60.55	122.56
1933	SLE-R-65	2955.13	1442.00	58.37	118.16
1934	SLE-R-65	2894.95	1809.52	61.05	123.57
1935	SLE-R-65	2974.02	1633.97	60.49	122.45
1936	SLE-R-65	2930.90	1682.83	59.80	121.05
1937	SLE-R-66	2839.20	1424.61	58.91	119.25
1938	SLE-R-66	3252.82	1582.00	57.39	116.17
1939	SLE-R-66	3234.58	1475.58	56.87	115.12
1940	SLE-R-66	2857.97	1531.54	59.44	120.32
1941	SLE-R-66	3099.18	1508.38	58.10	117.60
1942	SLE-R-66	3060.49	1550.72	57.51	116.41
1943	SLE-R-67	2998.34	1260.86	69.23	140.15
1944	SLE-R-67	3404.66	1433.09	67.38	136.39
1945	SLE-R-67	3025.77	1371.49	69.77	141.23
1946	SLE-R-67	3380.71	1323.89	66.83	135.28
1947	SLE-R-67	3249.46	1358.66	68.37	138.39
1948	SLE-R-67	3217.31	1396.55	67.32	136.27
1949	SLE-R-68	2994.54	1269.39	68.93	139.54
1950	SLE-R-68	3160.52	1674.42	70.64	143.00
1951	SLE-R-68	3057.77	1652.51	71.25	144.22
1952	SLE-R-68	3097.82	1291.81	68.33	138.31
1953	SLE-R-68	3124.00	1483.68	70.77	143.25
1954	SLE-R-68	3090.94	1520.39	69.72	141.13
1955	SLE-R-69	2888.40	1463.29	58.80	119.02
1956	SLE-R-69	3051.82	1878.42	60.47	122.41
1957	SLE-R-69	3000.49	1489.26	58.29	118.00
1958	SLE-R-69	2940.31	1856.78	60.97	123.42
1959	SLE-R-69	3019.38	1681.23	60.41	122.28
1960	SLE-R-69	2976.26	1730.09	59.73	120.90
1961	SLE-R-70	2884.55	1471.87	58.83	119.09
1962	SLE-R-70	3298.18	1629.26	57.31	116.01
1963	SLE-R-70	3279.94	1522.84	56.79	114.96
1964	SLE-R-70	2903.33	1578.80	59.36	120.16
1965	SLE-R-70	3144.53	1555.64	58.01	117.43
1966	SLE-R-70	3105.85	1597.98	57.43	116.26
1967	SLE-R-71	3040.97	1310.85	69.21	140.10
1968	SLE-R-71	3447.28	1483.08	67.36	136.34

1969	SLE-R-71	3068.39	1421.48	69.75	141.19
1970	SLE-R-71	3423.33	1373.88	66.81	135.24
1971	SLE-R-71	3292.08	1408.65	68.34	138.34
1972	SLE-R-71	3259.94	1446.54	67.30	136.24
1973	SLE-R-72	3037.17	1319.38	68.91	139.50
1974	SLE-R-72	3203.15	1724.41	70.62	142.96
1975	SLE-R-72	3100.40	1702.50	71.23	144.18
1976	SLE-R-72	3140.44	1341.80	68.31	138.27
1977	SLE-R-72	3166.63	1533.67	70.74	143.20
1978	SLE-R-72	3133.57	1570.38	69.71	141.10
1979	SLE-R-73	2835.70	1408.92	58.87	119.17
1980	SLE-R-73	2999.12	1824.05	60.54	122.55
1981	SLE-R-73	2947.80	1434.88	58.37	118.15
1982	SLE-R-73	2887.61	1802.41	61.04	123.56
1983	SLE-R-73	2966.68	1626.86	60.48	122.43
1984	SLE-R-73	2923.56	1675.72	59.79	121.04
1985	SLE-R-74	2831.86	1417.50	58.91	119.24
1986	SLE-R-74	3245.48	1574.88	57.38	116.16
1987	SLE-R-74	3227.24	1468.46	56.86	115.10
1988	SLE-R-74	2850.63	1524.42	59.43	120.30
1989	SLE-R-74	3091.84	1501.27	58.09	117.59
1990	SLE-R-74	3053.15	1543.61	57.50	116.39
1991	SLE-R-75	2991.11	1253.63	69.24	140.16
1992	SLE-R-75	3397.43	1425.87	67.38	136.40
1993	SLE-R-75	3018.54	1364.26	69.78	141.24
1994	SLE-R-75	3373.48	1316.66	66.84	135.29
1995	SLE-R-75	3242.23	1351.44	68.37	138.40
1996	SLE-R-75	3210.08	1389.32	67.33	136.28
1997	SLE-R-76	2987.31	1262.17	68.94	139.55
1998	SLE-R-76	3153.29	1667.20	70.65	143.01
1999	SLE-R-76	3050.54	1645.28	71.25	144.23
2000	SLE-R-76	3090.59	1284.59	68.33	138.32
2001	SLE-R-76	3116.77	1476.46	70.77	143.26
2002	SLE-R-76	3083.71	1513.17	69.73	141.14
2003	SLE-R-77	2881.06	1456.18	58.79	119.01
2004	SLE-R-77	3044.48	1871.31	60.46	122.39
2005	SLE-R-77	2993.15	1482.14	58.29	117.98
2006	SLE-R-77	2932.97	1849.67	60.96	123.40
2007	SLE-R-77	3012.04	1674.12	60.40	122.27
2008	SLE-R-77	2968.92	1722.98	59.72	120.89
2009	SLE-R-78	2877.21	1464.76	58.83	119.08
2010	SLE-R-78	3290.84	1622.14	57.30	115.99
2011	SLE-R-78	3272.60	1515.72	56.78	114.94
2012	SLE-R-78	2895.99	1571.68	59.35	120.15
2013	SLE-R-78	3137.20	1548.53	58.01	117.42
2014	SLE-R-78	3098.51	1590.87	57.42	116.24
2015	SLE-R-79	3033.74	1303.62	69.22	140.11
2016	SLE-R-79	3440.05	1475.86	67.36	136.35

2017	SLE-R-79	3061.17	1414.26	69.76	141.20
2018	SLE-R-79	3416.10	1366.66	66.81	135.25
2019	SLE-R-79	3284.85	1401.43	68.35	138.35
2020	SLE-R-79	3252.71	1439.31	67.31	136.25
2021	SLE-R-80	3029.94	1312.16	68.92	139.51
2022	SLE-R-80	3195.92	1717.19	70.63	142.97
2023	SLE-R-80	3093.17	1695.28	71.23	144.19
2024	SLE-R-80	3133.22	1334.58	68.31	138.28
2025	SLE-R-80	3159.40	1526.45	70.75	143.21
2026	SLE-R-80	3126.34	1563.16	69.71	141.11
2027	SLE-R-81	3240.61	1018.52	103.84	210.19
2028	SLE-R-81	3404.03	1433.65	105.60	213.77
2029	SLE-R-81	3352.70	1044.48	103.31	209.12
2030	SLE-R-81	3292.51	1412.01	106.13	214.83
2031	SLE-R-81	3371.58	1236.46	105.32	213.19
2032	SLE-R-81	3328.47	1285.32	105.03	212.61
2033	SLE-R-82	3236.76	1027.10	103.94	210.39
2034	SLE-R-82	3650.38	1184.48	102.32	207.12
2035	SLE-R-82	3632.15	1078.06	101.76	205.99
2036	SLE-R-82	3255.53	1134.02	104.50	211.53
2037	SLE-R-82	3496.74	1110.87	102.84	208.16
2038	SLE-R-82	3458.05	1153.20	102.65	207.78
2039	SLE-R-83	3325.51	933.82	103.93	210.37
2040	SLE-R-83	3731.83	1106.05	102.06	206.59
2041	SLE-R-83	3352.94	1044.45	104.47	211.47
2042	SLE-R-83	3707.88	996.85	101.51	205.47
2043	SLE-R-83	3576.63	1031.62	102.91	208.32
2044	SLE-R-83	3544.48	1069.50	102.14	206.75
2045	SLE-R-84	3321.71	942.35	103.66	209.84
2046	SLE-R-84	3487.69	1347.38	105.38	213.32
2047	SLE-R-84	3384.94	1325.47	105.98	214.54
2048	SLE-R-84	3424.99	964.77	103.06	208.61
2049	SLE-R-84	3451.17	1156.64	105.37	213.30
2050	SLE-R-84	3418.11	1193.35	104.57	211.67
2051	SLE-R-85	3285.96	1065.78	103.78	210.07
2052	SLE-R-85	3449.39	1480.91	105.55	213.65
2053	SLE-R-85	3398.06	1091.74	103.25	209.00
2054	SLE-R-85	3337.87	1459.27	106.07	214.72
2055	SLE-R-85	3416.94	1283.72	105.26	213.07
2056	SLE-R-85	3373.82	1332.58	104.98	212.50
2057	SLE-R-86	3282.12	1074.36	103.88	210.28
2058	SLE-R-86	3695.74	1231.74	102.26	207.00
2059	SLE-R-86	3677.50	1125.32	101.70	205.87
2060	SLE-R-86	3300.89	1181.28	104.44	211.42
2061	SLE-R-86	3542.10	1158.13	102.78	208.04
2062	SLE-R-86	3503.41	1200.46	102.59	207.67
2063	SLE-R-87	3368.14	983.81	103.92	210.36
2064	SLE-R-87	3774.45	1156.04	102.05	206.58

2065	SLE-R-87	3395.57	1094.44	104.47	211.46
2066	SLE-R-87	3750.50	1046.84	101.50	205.46
2067	SLE-R-87	3619.25	1081.61	102.91	208.31
2068	SLE-R-87	3587.11	1119.50	102.13	206.74
2069	SLE-R-88	3364.34	992.34	103.66	209.83
2070	SLE-R-88	3530.32	1397.37	105.38	213.31
2071	SLE-R-88	3427.57	1375.46	105.98	214.53
2072	SLE-R-88	3467.62	1014.76	103.05	208.60
2073	SLE-R-88	3493.80	1206.63	105.37	213.29
2074	SLE-R-88	3460.74	1243.34	104.57	211.67
2075	SLE-R-89	3233.27	1011.40	103.83	210.17
2076	SLE-R-89	3396.69	1426.53	105.60	213.75
2077	SLE-R-89	3345.36	1037.37	103.30	209.10
2078	SLE-R-89	3285.18	1404.89	106.12	214.81
2079	SLE-R-89	3364.25	1229.34	105.31	213.17
2080	SLE-R-89	3321.13	1278.20	105.02	212.59
2081	SLE-R-90	3229.42	1019.98	103.93	210.38
2082	SLE-R-90	3643.05	1177.37	102.31	207.10
2083	SLE-R-90	3624.81	1070.95	101.75	205.97
2084	SLE-R-90	3248.20	1126.91	104.49	211.52
2085	SLE-R-90	3489.40	1103.75	102.83	208.15
2086	SLE-R-90	3450.72	1146.09	102.64	207.77
2087	SLE-R-91	3318.29	926.59	103.93	210.38
2088	SLE-R-91	3724.60	1098.83	102.06	206.60
2089	SLE-R-91	3345.71	1037.22	104.48	211.48
2090	SLE-R-91	3700.65	989.62	101.51	205.48
2091	SLE-R-91	3569.40	1024.39	102.92	208.33
2092	SLE-R-91	3537.26	1062.28	102.14	206.76
2093	SLE-R-92	3314.49	935.12	103.67	209.85
2094	SLE-R-92	3480.46	1340.15	105.39	213.33
2095	SLE-R-92	3377.72	1318.24	105.99	214.55
2096	SLE-R-92	3417.76	957.54	103.06	208.62
2097	SLE-R-92	3443.95	1149.42	105.38	213.31
2098	SLE-R-92	3410.88	1186.13	104.57	211.68
2099	SLE-R-93	3278.63	1058.66	103.77	210.06
2100	SLE-R-93	3442.05	1473.79	105.54	213.64
2101	SLE-R-93	3390.72	1084.63	103.24	208.99
2102	SLE-R-93	3330.53	1452.15	106.07	214.70
2103	SLE-R-93	3409.60	1276.60	105.25	213.05
2104	SLE-R-93	3366.48	1325.46	104.97	212.48
2105	SLE-R-94	3274.78	1067.24	103.87	210.27
2106	SLE-R-94	3688.40	1224.63	102.26	206.99
2107	SLE-R-94	3670.16	1118.21	101.70	205.86
2108	SLE-R-94	3293.55	1174.17	104.44	211.41
2109	SLE-R-94	3534.76	1151.01	102.77	208.03
2110	SLE-R-94	3496.07	1193.35	102.59	207.66
2111	SLE-R-95	3360.91	976.58	103.93	210.37
2112	SLE-R-95	3767.23	1148.82	102.06	206.59

2113	SLE-R-95	3388.34	1087.21	104.47	211.47
2114	SLE-R-95	3743.28	1039.61	101.51	205.47
2115	SLE-R-95	3612.03	1074.39	102.91	208.32
2116	SLE-R-95	3579.88	1112.27	102.14	206.76
2117	SLE-R-96	3357.11	985.12	103.66	209.84
2118	SLE-R-96	3523.09	1390.15	105.38	213.32
2119	SLE-R-96	3420.34	1368.23	105.99	214.54
2120	SLE-R-96	3460.39	1007.54	103.06	208.62
2121	SLE-R-96	3486.57	1199.41	105.37	213.30
2122	SLE-R-96	3453.51	1236.12	104.57	211.68
2123	SLE-R-97	3062.57	1201.41	68.54	138.74
2124	SLE-R-97	3225.99	1616.53	70.07	141.84
2125	SLE-R-97	3174.66	1227.37	68.07	137.79
2126	SLE-R-97	3114.48	1594.89	70.53	142.77
2127	SLE-R-97	3193.55	1419.35	70.25	142.21
2128	SLE-R-97	3150.43	1468.21	69.14	139.95
2129	SLE-R-98	3058.72	1209.99	68.50	138.66
2130	SLE-R-98	3472.35	1367.37	67.11	135.85
2131	SLE-R-98	3454.11	1260.95	66.65	134.90
2132	SLE-R-98	3077.50	1316.91	68.98	139.63
2133	SLE-R-98	3318.71	1293.76	67.99	137.63
2134	SLE-R-98	3280.02	1336.09	67.00	135.62
2135	SLE-R-99	3100.11	1163.99	68.61	138.88
2136	SLE-R-99	3506.42	1336.23	66.83	135.28
2137	SLE-R-99	3127.53	1274.62	69.12	139.91
2138	SLE-R-99	3482.47	1227.02	66.31	134.23
2139	SLE-R-99	3351.22	1261.80	68.07	137.79
2140	SLE-R-99	3319.08	1299.68	66.47	134.56
2141	SLE-R-100	3096.31	1172.53	68.24	138.13
2142	SLE-R-100	3262.29	1577.56	69.89	141.47
2143	SLE-R-100	3159.54	1555.64	70.47	142.65
2144	SLE-R-100	3199.58	1194.95	67.65	136.94
2145	SLE-R-100	3225.77	1386.82	70.27	142.25
2146	SLE-R-100	3192.71	1423.53	68.74	139.15
2147	SLE-R-101	3107.93	1248.67	68.44	138.53
2148	SLE-R-101	3271.35	1663.79	69.97	141.63
2149	SLE-R-101	3220.02	1274.63	67.97	137.58
2150	SLE-R-101	3159.83	1642.15	70.43	142.57
2151	SLE-R-101	3238.91	1466.61	70.15	142.00
2152	SLE-R-101	3195.79	1515.47	69.04	139.75
2153	SLE-R-102	3104.08	1257.25	68.40	138.46
2154	SLE-R-102	3517.70	1414.63	67.01	135.64
2155	SLE-R-102	3499.47	1308.21	66.54	134.69
2156	SLE-R-102	3122.85	1364.17	68.88	139.43
2157	SLE-R-102	3364.06	1341.02	67.89	137.42
2158	SLE-R-102	3325.37	1383.35	66.90	135.42
2159	SLE-R-103	3142.73	1213.98	68.55	138.77
2160	SLE-R-103	3549.05	1386.22	66.77	135.17

2161	SLE-R-103	3170.16	1324.62	69.06	139.80
2162	SLE-R-103	3525.10	1277.01	66.25	134.11
2163	SLE-R-103	3393.85	1311.79	68.01	137.67
2164	SLE-R-103	3361.70	1349.67	66.42	134.45
2165	SLE-R-104	3138.93	1222.52	68.18	138.02
2166	SLE-R-104	3304.91	1627.55	69.83	141.36
2167	SLE-R-104	3202.16	1605.64	70.42	142.55
2168	SLE-R-104	3242.21	1244.94	67.60	136.83
2169	SLE-R-104	3268.39	1436.81	70.22	142.14
2170	SLE-R-104	3235.33	1473.52	68.69	139.05
2171	SLE-R-105	3050.34	1189.55	68.53	138.71
2172	SLE-R-105	3213.76	1604.68	70.06	141.81
2173	SLE-R-105	3162.43	1215.52	68.06	137.76
2174	SLE-R-105	3102.25	1583.04	70.52	142.74
2175	SLE-R-105	3181.32	1407.49	70.24	142.18
2176	SLE-R-105	3138.20	1456.35	69.12	139.92
2177	SLE-R-106	3046.49	1198.13	68.49	138.63
2178	SLE-R-106	3460.12	1355.51	67.10	135.83
2179	SLE-R-106	3441.88	1249.09	66.63	134.88
2180	SLE-R-106	3065.27	1305.05	68.97	139.60
2181	SLE-R-106	3306.47	1281.90	67.98	137.61
2182	SLE-R-106	3267.79	1324.24	66.98	135.59
2183	SLE-R-107	3088.06	1151.95	68.62	138.90
2184	SLE-R-107	3494.37	1324.19	66.84	135.29
2185	SLE-R-107	3115.49	1262.58	69.12	139.92
2186	SLE-R-107	3470.43	1214.98	66.32	134.24
2187	SLE-R-107	3339.17	1249.76	68.08	137.80
2188	SLE-R-107	3307.03	1287.64	66.48	134.57
2189	SLE-R-108	3084.26	1160.48	68.24	138.14
2190	SLE-R-108	3250.24	1565.52	69.89	141.48
2191	SLE-R-108	3147.49	1543.60	70.48	142.67
2192	SLE-R-108	3187.54	1182.90	67.66	136.96
2193	SLE-R-108	3213.72	1374.78	70.28	142.26
2194	SLE-R-108	3180.66	1411.49	68.75	139.17
2195	SLE-R-109	3095.70	1236.81	68.42	138.50
2196	SLE-R-109	3259.12	1651.94	69.96	141.61
2197	SLE-R-109	3207.79	1262.78	67.95	137.56
2198	SLE-R-109	3147.60	1630.30	70.42	142.54
2199	SLE-R-109	3226.67	1454.75	70.14	141.97
2200	SLE-R-109	3183.56	1503.61	69.03	139.73
2201	SLE-R-110	3091.85	1245.39	68.39	138.43
2202	SLE-R-110	3505.47	1402.77	67.00	135.62
2203	SLE-R-110	3487.24	1296.35	66.53	134.67
2204	SLE-R-110	3110.62	1352.31	68.86	139.40
2205	SLE-R-110	3351.83	1329.16	67.87	137.39
2206	SLE-R-110	3313.14	1371.50	66.88	135.39
2207	SLE-R-111	3130.69	1201.94	68.56	138.78
2208	SLE-R-111	3537.00	1374.18	66.78	135.18

2209	SLE-R-111	3158.11	1312.57	69.07	139.81
2210	SLE-R-111	3513.05	1264.97	66.26	134.12
2211	SLE-R-111	3381.80	1299.75	68.02	137.68
2212	SLE-R-111	3349.66	1337.63	66.43	134.47
2213	SLE-R-112	3126.89	1210.48	68.19	138.03
2214	SLE-R-112	3292.86	1615.51	69.84	141.37
2215	SLE-R-112	3190.12	1593.59	70.43	142.56
2216	SLE-R-112	3230.16	1232.90	67.60	136.85
2217	SLE-R-112	3256.35	1424.77	70.22	142.15
2218	SLE-R-112	3223.29	1461.48	68.70	139.06
2219	SLE-R-113	2901.75	1295.55	63.73	129.01
2220	SLE-R-113	3248.60	2091.86	67.49	136.62
2221	SLE-R-113	3134.09	1352.93	62.50	126.51
2222	SLE-R-113	3018.19	2039.15	68.75	139.16
2223	SLE-R-113	3079.54	1765.65	65.27	132.12
2224	SLE-R-113	3152.48	1706.80	67.33	136.30
2225	SLE-R-114	2916.42	1289.86	64.28	130.12
2226	SLE-R-114	3707.56	1626.13	60.75	122.97
2227	SLE-R-114	3662.44	1409.38	59.42	120.27
2228	SLE-R-114	2962.26	1507.37	65.62	132.82
2229	SLE-R-114	3320.02	1529.83	60.89	123.25
2230	SLE-R-114	3384.31	1466.00	63.06	127.64
2231	SLE-R-115	2864.59	1332.84	64.18	129.91
2232	SLE-R-115	3675.03	1665.56	60.69	122.84
2233	SLE-R-115	2917.56	1569.58	65.34	132.25
2234	SLE-R-115	3627.84	1429.62	59.55	120.55
2235	SLE-R-115	3269.33	1575.99	61.31	124.10
2236	SLE-R-115	3363.10	1496.30	62.56	126.63
2237	SLE-R-116	2877.78	1328.63	64.03	129.62
2238	SLE-R-116	3198.97	2134.83	67.30	136.22
2239	SLE-R-116	2974.30	2097.64	68.49	138.64
2240	SLE-R-116	3103.16	1366.59	62.86	127.24
2241	SLE-R-116	3034.17	1815.80	65.76	133.12
2242	SLE-R-116	3112.58	1737.86	66.66	134.94
2243	SLE-R-117	2951.74	1338.18	63.76	129.06
2244	SLE-R-117	3298.59	2134.49	67.52	136.67
2245	SLE-R-117	3184.08	1395.55	62.52	126.56
2246	SLE-R-117	3068.18	2081.77	68.77	139.20
2247	SLE-R-117	3129.54	1808.27	65.29	132.16
2248	SLE-R-117	3202.47	1749.42	67.36	136.36
2249	SLE-R-118	2966.41	1332.49	64.31	130.17
2250	SLE-R-118	3757.55	1668.75	60.78	123.03
2251	SLE-R-118	3712.43	1452.01	59.44	120.33
2252	SLE-R-118	3012.25	1549.99	65.64	132.88
2253	SLE-R-118	3370.01	1572.45	60.91	123.29
2254	SLE-R-118	3434.31	1508.63	63.09	127.71
2255	SLE-R-119	2911.85	1378.20	64.25	130.06
2256	SLE-R-119	3722.29	1710.92	60.76	123.00

2257	SLE-R-119	2964.82	1614.93	65.41	132.40
2258	SLE-R-119	3675.10	1474.97	59.63	120.71
2259	SLE-R-119	3316.59	1621.34	61.38	124.24
2260	SLE-R-119	3410.36	1541.65	62.64	126.80
2261	SLE-R-120	2925.04	1373.98	64.11	129.77
2262	SLE-R-120	3246.23	2180.19	67.37	136.37
2263	SLE-R-120	3021.57	2143.00	68.56	138.79
2264	SLE-R-120	3150.42	1411.94	62.94	127.40
2265	SLE-R-120	3081.43	1861.16	65.83	133.25
2266	SLE-R-120	3159.84	1783.22	66.74	135.10
2267	SLE-R-121	2894.53	1288.32	63.73	129.00
2268	SLE-R-121	3241.38	2084.63	67.49	136.61
2269	SLE-R-121	3126.86	1345.70	62.49	126.50
2270	SLE-R-121	3010.96	2031.92	68.74	139.15
2271	SLE-R-121	3072.32	1758.42	65.27	132.11
2272	SLE-R-121	3145.26	1699.57	67.33	136.29
2273	SLE-R-122	2909.20	1282.63	64.28	130.11
2274	SLE-R-122	3700.33	1618.90	60.75	122.96
2275	SLE-R-122	3655.21	1402.15	59.41	120.26
2276	SLE-R-122	2955.03	1500.14	65.61	132.81
2277	SLE-R-122	3312.79	1522.60	60.88	123.24
2278	SLE-R-122	3377.09	1458.77	63.05	127.63
2279	SLE-R-123	2857.47	1325.50	64.18	129.92
2280	SLE-R-123	3667.91	1658.22	60.69	122.86
2281	SLE-R-123	2910.45	1562.24	65.34	132.27
2282	SLE-R-123	3620.73	1422.28	59.56	120.57
2283	SLE-R-123	3262.21	1568.65	61.31	124.11
2284	SLE-R-123	3355.99	1488.96	62.56	126.64
2285	SLE-R-124	2870.67	1321.29	64.04	129.63
2286	SLE-R-124	3191.86	2127.49	67.30	136.24
2287	SLE-R-124	2967.19	2090.30	68.50	138.66
2288	SLE-R-124	3096.05	1359.25	62.86	127.25
2289	SLE-R-124	3027.05	1808.46	65.77	133.13
2290	SLE-R-124	3105.46	1730.52	66.67	134.95
2291	SLE-R-125	2944.52	1330.95	63.75	129.05
2292	SLE-R-125	3291.37	2127.26	67.51	136.66
2293	SLE-R-125	3176.85	1388.33	62.52	126.55
2294	SLE-R-125	3060.95	2074.54	68.76	139.19
2295	SLE-R-125	3122.31	1801.04	65.28	132.15
2296	SLE-R-125	3195.25	1742.19	67.36	136.35
2297	SLE-R-126	2959.19	1325.26	64.30	130.16
2298	SLE-R-126	3750.32	1661.53	60.77	123.02
2299	SLE-R-126	3705.21	1444.78	59.44	120.32
2300	SLE-R-126	3005.02	1542.76	65.64	132.87
2301	SLE-R-126	3362.78	1565.23	60.90	123.28
2302	SLE-R-126	3427.08	1501.40	63.09	127.70
2303	SLE-R-127	2904.73	1370.86	64.26	130.08
2304	SLE-R-127	3715.17	1703.58	60.77	123.02

2305	SLE-R-127	2957.71	1607.59	65.42	132.42
2306	SLE-R-127	3667.99	1467.63	59.64	120.73
2307	SLE-R-127	3309.47	1614.01	61.38	124.26
2308	SLE-R-127	3403.25	1534.32	62.65	126.82
2309	SLE-R-128	2917.93	1366.64	64.12	129.79
2310	SLE-R-128	3239.12	2172.85	67.38	136.39
2311	SLE-R-128	3014.45	2135.66	68.57	138.80
2312	SLE-R-128	3143.31	1404.61	62.94	127.41
2313	SLE-R-128	3074.31	1853.82	65.84	133.27
2314	SLE-R-128	3152.72	1775.88	66.75	135.12
2315	SLE-R-129	2738.40	1519.88	61.60	124.69
2316	SLE-R-129	2901.82	1935.01	63.41	128.35
2317	SLE-R-129	2850.49	1545.84	61.06	123.60
2318	SLE-R-129	2790.30	1913.36	63.94	129.44
2319	SLE-R-129	2869.38	1737.82	63.01	127.54
2320	SLE-R-129	2826.26	1786.68	62.95	127.42
2321	SLE-R-130	2734.55	1528.46	61.74	124.97
2322	SLE-R-130	3148.17	1685.84	60.08	121.62
2323	SLE-R-130	3129.94	1579.42	59.51	120.46
2324	SLE-R-130	2753.33	1635.38	62.32	126.14
2325	SLE-R-130	2994.53	1612.23	60.50	122.47
2326	SLE-R-130	2955.84	1654.56	60.53	122.52
2327	SLE-R-131	2790.71	1467.68	61.78	125.05
2328	SLE-R-131	3197.03	1639.92	59.91	121.27
2329	SLE-R-131	2818.14	1578.31	62.32	126.15
2330	SLE-R-131	3173.08	1530.71	59.36	120.15
2331	SLE-R-131	3041.83	1565.49	60.66	122.80
2332	SLE-R-131	3009.68	1603.37	60.11	121.67
2333	SLE-R-132	2786.92	1476.22	61.54	124.58
2334	SLE-R-132	2952.89	1881.25	63.26	128.05
2335	SLE-R-132	2850.14	1859.33	63.86	129.27
2336	SLE-R-132	2890.19	1498.64	60.94	123.36
2337	SLE-R-132	2916.37	1690.51	63.15	127.83
2338	SLE-R-132	2883.31	1727.22	62.55	126.62
2339	SLE-R-133	2783.76	1567.14	61.55	124.60
2340	SLE-R-133	2947.18	1982.27	63.36	128.26
2341	SLE-R-133	2895.85	1593.10	61.02	123.51
2342	SLE-R-133	2835.66	1960.62	63.90	129.35
2343	SLE-R-133	2914.73	1785.08	62.96	127.45
2344	SLE-R-133	2871.61	1833.94	62.91	127.34
2345	SLE-R-134	2779.91	1575.72	61.70	124.89
2346	SLE-R-134	3193.53	1733.10	60.04	121.53
2347	SLE-R-134	3175.29	1626.68	59.46	120.36
2348	SLE-R-134	2798.68	1682.64	62.27	126.06
2349	SLE-R-134	3039.89	1659.49	60.46	122.38
2350	SLE-R-134	3001.20	1701.82	60.49	122.44
2351	SLE-R-135	2833.34	1517.68	61.78	125.07
2352	SLE-R-135	3239.65	1689.91	59.92	121.29

2353	SLE-R-135	2860.77	1628.31	62.33	126.17
2354	SLE-R-135	3215.70	1580.71	59.37	120.17
2355	SLE-R-135	3084.45	1615.48	60.67	122.80
2356	SLE-R-135	3052.31	1653.36	60.12	121.70
2357	SLE-R-136	2829.54	1526.21	61.55	124.60
2358	SLE-R-136	2995.52	1931.24	63.27	128.07
2359	SLE-R-136	2892.77	1909.33	63.87	129.28
2360	SLE-R-136	2932.82	1548.63	60.95	123.38
2361	SLE-R-136	2959.00	1740.50	63.16	127.84
2362	SLE-R-136	2925.94	1777.21	62.56	126.65
2363	SLE-R-137	2731.06	1512.76	61.59	124.68
2364	SLE-R-137	2894.48	1927.89	63.40	128.34
2365	SLE-R-137	2843.15	1538.73	61.05	123.59
2366	SLE-R-137	2782.97	1906.25	63.94	129.42
2367	SLE-R-137	2862.04	1730.70	63.00	127.53
2368	SLE-R-137	2818.92	1779.56	62.94	127.41
2369	SLE-R-138	2727.21	1521.34	61.73	124.96
2370	SLE-R-138	3140.84	1678.73	60.07	121.60
2371	SLE-R-138	3122.60	1572.31	59.50	120.44
2372	SLE-R-138	2745.99	1628.26	62.31	126.13
2373	SLE-R-138	2987.19	1605.11	60.50	122.46
2374	SLE-R-138	2948.51	1647.45	60.52	122.51
2375	SLE-R-139	2783.49	1460.46	61.78	125.06
2376	SLE-R-139	3189.80	1632.69	59.92	121.28
2377	SLE-R-139	2810.91	1571.09	62.33	126.17
2378	SLE-R-139	3165.85	1523.49	59.36	120.17
2379	SLE-R-139	3034.60	1558.26	60.67	122.81
2380	SLE-R-139	3002.46	1596.15	60.12	121.69
2381	SLE-R-140	2779.69	1468.99	61.55	124.59
2382	SLE-R-140	2945.66	1874.02	63.26	128.06
2383	SLE-R-140	2842.92	1852.11	63.87	129.28
2384	SLE-R-140	2882.96	1491.41	60.95	123.37
2385	SLE-R-140	2909.15	1683.28	63.16	127.85
2386	SLE-R-140	2876.09	1719.99	62.56	126.63
2387	SLE-R-141	2776.42	1560.02	61.55	124.59
2388	SLE-R-141	2939.84	1975.15	63.36	128.25
2389	SLE-R-141	2888.51	1585.99	61.01	123.50
2390	SLE-R-141	2828.32	1953.51	63.89	129.34
2391	SLE-R-141	2907.39	1777.96	62.95	127.43
2392	SLE-R-141	2864.28	1826.82	62.90	127.33
2393	SLE-R-142	2772.57	1568.60	61.69	124.87
2394	SLE-R-142	3186.19	1725.99	60.03	121.51
2395	SLE-R-142	3167.96	1619.57	59.45	120.35
2396	SLE-R-142	2791.34	1675.53	62.27	126.04
2397	SLE-R-142	3032.55	1652.37	60.45	122.36
2398	SLE-R-142	2993.86	1694.71	60.48	122.43
2399	SLE-R-143	2826.11	1510.45	61.79	125.08
2400	SLE-R-143	3232.43	1682.69	59.92	121.30

2401	SLE-R-143	2853.54	1621.08	62.34	126.18
2402	SLE-R-143	3208.48	1573.48	59.37	120.18
2403	SLE-R-143	3077.23	1608.25	60.67	122.82
2404	SLE-R-143	3045.08	1646.14	60.13	121.71
2405	SLE-R-144	2822.31	1518.98	61.56	124.61
2406	SLE-R-144	2988.29	1924.01	63.27	128.08
2407	SLE-R-144	2885.54	1902.10	63.87	129.30
2408	SLE-R-144	2925.59	1541.40	60.96	123.39
2409	SLE-R-144	2951.77	1733.28	63.16	127.86
2410	SLE-R-144	2918.71	1769.99	62.57	126.66
2411	SLE-R-145	3250.64	1009.44	74.66	151.14
2412	SLE-R-145	3422.87	1415.75	76.35	154.55
2413	SLE-R-145	3361.27	1036.87	74.19	150.18
2414	SLE-R-145	3313.67	1391.81	76.84	155.55
2415	SLE-R-145	3348.44	1260.55	74.99	151.80
2416	SLE-R-145	3386.32	1228.41	76.92	155.70
2417	SLE-R-146	3259.17	1005.64	75.08	151.98
2418	SLE-R-146	3664.20	1171.62	73.54	148.85
2419	SLE-R-146	3642.29	1068.87	72.98	147.73
2420	SLE-R-146	3281.59	1108.92	75.64	153.11
2421	SLE-R-146	3473.46	1135.10	72.94	147.65
2422	SLE-R-146	3510.17	1102.04	74.85	151.52
2423	SLE-R-147	3231.85	1028.35	74.91	151.64
2424	SLE-R-147	3646.98	1191.77	73.57	148.93
2425	SLE-R-147	3257.82	1140.44	75.34	152.50
2426	SLE-R-147	3625.34	1080.26	73.18	148.13
2427	SLE-R-147	3449.79	1159.33	73.14	148.04
2428	SLE-R-147	3498.65	1116.21	74.72	151.24
2429	SLE-R-148	3240.43	1024.50	75.03	151.87
2430	SLE-R-148	3397.82	1438.13	76.25	154.36
2431	SLE-R-148	3291.39	1419.89	76.67	155.20
2432	SLE-R-148	3347.35	1043.28	74.61	151.04
2433	SLE-R-148	3324.20	1284.48	75.25	152.33
2434	SLE-R-148	3366.54	1245.80	76.60	155.05
2435	SLE-R-149	3300.63	1052.07	74.74	151.30
2436	SLE-R-149	3472.86	1458.38	76.43	154.70
2437	SLE-R-149	3411.26	1079.49	74.27	150.35
2438	SLE-R-149	3363.66	1434.43	76.92	155.70
2439	SLE-R-149	3398.43	1303.18	75.06	151.95
2440	SLE-R-149	3436.32	1271.04	77.00	155.86
2441	SLE-R-150	3309.16	1048.27	75.16	152.15
2442	SLE-R-150	3714.19	1214.24	73.62	149.02
2443	SLE-R-150	3692.28	1111.50	73.06	147.90
2444	SLE-R-150	3331.58	1151.54	75.72	153.27
2445	SLE-R-150	3523.45	1177.73	73.02	147.81
2446	SLE-R-150	3560.16	1144.67	74.94	151.69
2447	SLE-R-151	3279.11	1073.71	75.04	151.89
2448	SLE-R-151	3694.24	1237.13	73.70	149.18

2449	SLE-R-151	3305.08	1185.80	75.46	152.74
2450	SLE-R-151	3672.60	1125.61	73.30	148.38
2451	SLE-R-151	3497.05	1204.68	73.26	148.29
2452	SLE-R-151	3545.91	1161.56	74.84	151.50
2453	SLE-R-152	3287.69	1069.86	75.15	152.12
2454	SLE-R-152	3445.08	1483.48	76.38	154.60
2455	SLE-R-152	3338.65	1465.24	76.79	155.45
2456	SLE-R-152	3394.61	1088.63	74.74	151.29
2457	SLE-R-152	3371.46	1329.84	75.37	152.57
2458	SLE-R-152	3413.80	1291.15	76.72	155.30
2459	SLE-R-153	3243.41	1002.21	74.66	151.13
2460	SLE-R-153	3415.65	1408.53	76.35	154.54
2461	SLE-R-153	3354.04	1029.64	74.19	150.18
2462	SLE-R-153	3306.44	1384.58	76.84	155.54
2463	SLE-R-153	3341.21	1253.33	74.99	151.79
2464	SLE-R-153	3379.10	1221.18	76.92	155.70
2465	SLE-R-154	3251.94	998.41	75.08	151.98
2466	SLE-R-154	3656.97	1164.39	73.53	148.85
2467	SLE-R-154	3635.06	1061.64	72.98	147.73
2468	SLE-R-154	3274.36	1101.69	75.64	153.10
2469	SLE-R-154	3466.24	1127.87	72.94	147.64
2470	SLE-R-154	3502.95	1094.81	74.85	151.51
2471	SLE-R-155	3224.74	1021.01	74.92	151.66
2472	SLE-R-155	3639.87	1184.43	73.58	148.95
2473	SLE-R-155	3250.70	1133.10	75.34	152.51
2474	SLE-R-155	3618.23	1072.92	73.18	148.14
2475	SLE-R-155	3442.68	1151.99	73.14	148.06
2476	SLE-R-155	3491.54	1108.87	74.72	151.26
2477	SLE-R-156	3233.32	1017.16	75.03	151.88
2478	SLE-R-156	3390.70	1430.79	76.26	154.37
2479	SLE-R-156	3284.28	1412.55	76.68	155.22
2480	SLE-R-156	3340.24	1035.94	74.62	151.05
2481	SLE-R-156	3317.09	1277.14	75.26	152.35
2482	SLE-R-156	3359.42	1238.46	76.61	155.07
2483	SLE-R-157	3293.40	1044.84	74.74	151.29
2484	SLE-R-157	3465.64	1451.15	76.42	154.70
2485	SLE-R-157	3404.03	1072.27	74.27	150.34
2486	SLE-R-157	3356.43	1427.20	76.92	155.70
2487	SLE-R-157	3391.21	1295.95	75.06	151.94
2488	SLE-R-157	3429.09	1263.81	77.00	155.86
2489	SLE-R-158	3301.94	1041.04	75.16	152.14
2490	SLE-R-158	3706.97	1207.02	73.61	149.01
2491	SLE-R-158	3685.05	1104.27	73.06	147.89
2492	SLE-R-158	3324.36	1144.32	75.72	153.27
2493	SLE-R-158	3516.23	1170.50	73.02	147.80
2494	SLE-R-158	3552.94	1137.44	74.93	151.68
2495	SLE-R-159	3272.00	1066.37	75.04	151.91
2496	SLE-R-159	3687.13	1229.79	73.71	149.20

2497	SLE-R-159	3297.96	1178.46	75.47	152.76
2498	SLE-R-159	3665.49	1118.27	73.31	148.40
2499	SLE-R-159	3489.94	1197.34	73.26	148.31
2500	SLE-R-159	3538.80	1154.23	74.85	151.52
2501	SLE-R-160	3280.58	1062.52	75.16	152.13
2502	SLE-R-160	3437.96	1476.14	76.38	154.62
2503	SLE-R-160	3331.54	1457.91	76.80	155.46
2504	SLE-R-160	3387.50	1081.29	74.75	151.30
2505	SLE-R-160	3364.35	1322.50	75.38	152.59
2506	SLE-R-160	3406.68	1283.81	76.73	155.32
2507	SLE-R-161	2975.94	1283.19	67.40	136.44
2508	SLE-R-161	3148.17	1689.51	69.26	140.20
2509	SLE-R-161	3086.57	1310.62	66.87	135.35
2510	SLE-R-161	3038.97	1665.56	69.81	141.30
2511	SLE-R-161	3073.74	1534.31	68.29	138.24
2512	SLE-R-161	3111.63	1502.16	69.35	140.38
2513	SLE-R-162	2984.47	1279.40	67.71	137.06
2514	SLE-R-162	3389.50	1445.37	66.00	133.60
2515	SLE-R-162	3367.59	1342.62	65.40	132.38
2516	SLE-R-162	3006.89	1382.67	68.31	138.28
2517	SLE-R-162	3198.76	1408.85	65.88	133.35
2518	SLE-R-162	3235.47	1375.79	66.98	135.57
2519	SLE-R-163	2863.58	1395.67	60.69	122.84
2520	SLE-R-163	3278.71	1559.09	59.02	119.47
2521	SLE-R-163	2889.55	1507.76	61.19	123.87
2522	SLE-R-163	3257.07	1447.58	58.53	118.47
2523	SLE-R-163	3081.52	1526.65	59.09	119.62
2524	SLE-R-163	3130.38	1483.53	59.82	121.09
2525	SLE-R-164	2872.16	1391.83	60.65	122.77
2526	SLE-R-164	3029.55	1805.45	62.18	125.86
2527	SLE-R-164	2923.13	1787.21	62.71	126.93
2528	SLE-R-164	2979.09	1410.60	60.13	121.71
2529	SLE-R-164	2955.93	1651.81	61.52	124.54
2530	SLE-R-164	2998.27	1613.12	62.07	125.64
2531	SLE-R-165	3025.93	1325.82	67.43	136.48
2532	SLE-R-165	3198.16	1732.13	69.28	140.24
2533	SLE-R-165	3136.56	1353.25	66.89	135.40
2534	SLE-R-165	3088.96	1708.18	69.83	141.35
2535	SLE-R-165	3123.73	1576.93	68.31	138.28
2536	SLE-R-165	3161.62	1544.79	69.38	140.43
2537	SLE-R-166	3034.46	1322.02	67.73	137.11
2538	SLE-R-166	3439.49	1488.00	66.03	133.65
2539	SLE-R-166	3417.58	1385.25	65.42	132.43
2540	SLE-R-166	3056.88	1425.30	68.34	138.33
2541	SLE-R-166	3248.76	1451.48	65.90	133.39
2542	SLE-R-166	3285.46	1418.42	67.00	135.63
2543	SLE-R-167	2910.84	1441.03	60.77	123.00
2544	SLE-R-167	3325.97	1604.45	59.10	119.63

2545	SLE-R-167	2936.81	1553.12	61.27	124.03
2546	SLE-R-167	3304.33	1492.94	58.61	118.64
2547	SLE-R-167	3128.78	1572.01	59.17	119.77
2548	SLE-R-167	3177.64	1528.89	59.90	121.26
2549	SLE-R-168	2919.42	1437.18	60.73	122.93
2550	SLE-R-168	3076.81	1850.81	62.26	126.02
2551	SLE-R-168	2970.39	1832.57	62.78	127.09
2552	SLE-R-168	3026.35	1455.96	60.21	121.87
2553	SLE-R-168	3003.19	1697.16	61.60	124.69
2554	SLE-R-168	3045.53	1658.48	62.15	125.81
2555	SLE-R-169	2968.71	1275.97	67.40	136.43
2556	SLE-R-169	3140.95	1682.28	69.25	140.19
2557	SLE-R-169	3079.34	1303.39	66.86	135.34
2558	SLE-R-169	3031.74	1658.33	69.80	141.29
2559	SLE-R-169	3066.52	1527.08	68.29	138.23
2560	SLE-R-169	3104.40	1494.94	69.35	140.37
2561	SLE-R-170	2977.25	1272.17	67.70	137.05
2562	SLE-R-170	3382.28	1438.15	66.00	133.59
2563	SLE-R-170	3360.36	1335.40	65.39	132.37
2564	SLE-R-170	2999.67	1375.44	68.31	138.27
2565	SLE-R-170	3191.54	1401.63	65.87	133.34
2566	SLE-R-170	3228.25	1368.57	66.97	135.56
2567	SLE-R-171	2856.47	1388.34	60.69	122.86
2568	SLE-R-171	3271.60	1551.76	59.03	119.49
2569	SLE-R-171	2882.43	1500.43	61.20	123.89
2570	SLE-R-171	3249.96	1440.24	58.53	118.49
2571	SLE-R-171	3074.41	1519.31	59.10	119.63
2572	SLE-R-171	3123.27	1476.19	59.83	121.10
2573	SLE-R-172	2865.05	1384.49	60.66	122.79
2574	SLE-R-172	3022.43	1798.11	62.19	125.88
2575	SLE-R-172	2916.01	1779.87	62.71	126.95
2576	SLE-R-172	2971.97	1403.26	60.13	121.73
2577	SLE-R-172	2948.82	1644.47	61.53	124.55
2578	SLE-R-172	2991.16	1605.78	62.08	125.66
2579	SLE-R-173	3018.71	1318.59	67.42	136.47
2580	SLE-R-173	3190.94	1724.91	69.28	140.23
2581	SLE-R-173	3129.34	1346.02	66.88	135.39
2582	SLE-R-173	3081.74	1700.96	69.82	141.34
2583	SLE-R-173	3116.51	1569.71	68.31	138.27
2584	SLE-R-173	3154.39	1537.56	69.37	140.42
2585	SLE-R-174	3027.24	1314.79	67.73	137.10
2586	SLE-R-174	3432.27	1480.77	66.02	133.64
2587	SLE-R-174	3410.36	1378.02	65.42	132.42
2588	SLE-R-174	3049.66	1418.07	68.33	138.32
2589	SLE-R-174	3241.53	1444.25	65.89	133.38
2590	SLE-R-174	3278.24	1411.19	67.00	135.62
2591	SLE-R-175	2903.73	1433.69	60.77	123.02
2592	SLE-R-175	3318.86	1597.11	59.11	119.65

2593	SLE-R-175	2929.69	1545.78	61.28	124.04
2594	SLE-R-175	3297.22	1485.60	58.62	118.65
2595	SLE-R-175	3121.67	1564.67	59.18	119.79
2596	SLE-R-175	3170.53	1521.55	59.91	121.27
2597	SLE-R-176	2912.31	1429.85	60.74	122.95
2598	SLE-R-176	3069.69	1843.47	62.26	126.03
2599	SLE-R-176	2963.27	1825.23	62.79	127.10
2600	SLE-R-176	3019.23	1448.62	60.22	121.89
2601	SLE-R-176	2996.08	1689.83	61.60	124.70
2602	SLE-R-176	3038.42	1651.14	62.16	125.83
2603	SLE-R-177	2878.44	1380.65	58.79	119.00
2604	SLE-R-177	3050.67	1786.97	60.64	122.74
2605	SLE-R-177	2989.07	1408.08	58.26	117.93
2606	SLE-R-177	2941.47	1763.02	61.18	123.84
2607	SLE-R-177	2976.24	1631.77	59.62	120.68
2608	SLE-R-177	3014.12	1599.62	60.79	123.05
2609	SLE-R-178	2886.97	1376.85	59.11	119.66
2610	SLE-R-178	3292.00	1542.83	57.41	116.22
2611	SLE-R-178	3270.09	1440.08	56.81	115.00
2612	SLE-R-178	2909.39	1480.13	59.71	120.87
2613	SLE-R-178	3101.26	1506.31	57.23	115.85
2614	SLE-R-178	3137.97	1473.25	58.44	118.29
2615	SLE-R-179	2949.31	1309.90	69.26	140.20
2616	SLE-R-179	3364.44	1473.32	67.56	136.76
2617	SLE-R-179	2975.28	1421.99	69.78	141.25
2618	SLE-R-179	3342.80	1361.80	67.06	135.74
2619	SLE-R-179	3167.25	1440.87	67.70	137.05
2620	SLE-R-179	3216.11	1397.76	68.30	138.26
2621	SLE-R-180	2957.89	1306.05	69.21	140.09
2622	SLE-R-180	3115.28	1719.67	70.76	143.24
2623	SLE-R-180	3008.86	1701.44	71.30	144.33
2624	SLE-R-180	3064.82	1324.82	68.67	139.01
2625	SLE-R-180	3041.66	1566.03	70.16	142.02
2626	SLE-R-180	3084.00	1527.34	70.59	142.90
2627	SLE-R-181	2928.43	1423.28	58.82	119.06
2628	SLE-R-181	3100.66	1829.59	60.67	122.80
2629	SLE-R-181	3039.06	1450.70	58.29	117.99
2630	SLE-R-181	2991.46	1805.64	61.21	123.90
2631	SLE-R-181	3026.23	1674.39	59.64	120.73
2632	SLE-R-181	3064.12	1642.25	60.82	123.12
2633	SLE-R-182	2936.96	1419.48	59.14	119.72
2634	SLE-R-182	3341.99	1585.46	57.45	116.28
2635	SLE-R-182	3320.08	1482.71	56.85	115.07
2636	SLE-R-182	2959.38	1522.75	59.74	120.93
2637	SLE-R-182	3151.25	1548.94	57.26	115.90
2638	SLE-R-182	3187.96	1515.88	58.47	118.36
2639	SLE-R-183	2996.57	1355.26	69.34	140.35
2640	SLE-R-183	3411.70	1518.68	67.64	136.91

2641	SLE-R-183	3022.54	1467.35	69.85	141.39
2642	SLE-R-183	3390.06	1407.16	67.13	135.89
2643	SLE-R-183	3214.51	1486.23	67.77	137.19
2644	SLE-R-183	3263.37	1443.11	68.38	138.42
2645	SLE-R-184	3005.15	1351.41	69.28	140.24
2646	SLE-R-184	3162.54	1765.03	70.84	143.39
2647	SLE-R-184	3056.12	1746.79	71.37	144.48
2648	SLE-R-184	3112.08	1370.18	68.74	139.15
2649	SLE-R-184	3088.92	1611.39	70.23	142.15
2650	SLE-R-184	3131.26	1572.70	70.67	143.05
2651	SLE-R-185	2871.21	1373.42	58.79	118.99
2652	SLE-R-185	3043.45	1779.74	60.63	122.73
2653	SLE-R-185	2981.84	1400.85	58.25	117.92
2654	SLE-R-185	2934.24	1755.79	61.17	123.83
2655	SLE-R-185	2969.01	1624.54	59.61	120.67
2656	SLE-R-185	3006.90	1592.39	60.78	123.04
2657	SLE-R-186	2879.74	1369.62	59.11	119.65
2658	SLE-R-186	3284.77	1535.60	57.41	116.21
2659	SLE-R-186	3262.86	1432.85	56.81	114.99
2660	SLE-R-186	2902.16	1472.90	59.71	120.86
2661	SLE-R-186	3094.04	1499.08	57.23	115.84
2662	SLE-R-186	3130.75	1466.02	58.43	118.28
2663	SLE-R-187	2942.20	1302.56	69.27	140.22
2664	SLE-R-187	3357.33	1465.98	67.57	136.78
2665	SLE-R-187	2968.17	1414.65	69.79	141.26
2666	SLE-R-187	3335.69	1354.47	67.07	135.76
2667	SLE-R-187	3160.14	1433.54	67.71	137.06
2668	SLE-R-187	3209.00	1390.42	68.31	138.28
2669	SLE-R-188	2950.78	1298.71	69.21	140.11
2670	SLE-R-188	3108.16	1712.34	70.77	143.26
2671	SLE-R-188	3001.74	1694.10	71.31	144.35
2672	SLE-R-188	3057.70	1317.49	68.68	139.02
2673	SLE-R-188	3034.55	1558.69	70.17	142.03
2674	SLE-R-188	3076.89	1520.01	70.60	142.91
2675	SLE-R-189	2921.20	1416.05	58.81	119.05
2676	SLE-R-189	3093.44	1822.36	60.66	122.79
2677	SLE-R-189	3031.83	1443.48	58.28	117.98
2678	SLE-R-189	2984.23	1798.41	61.20	123.89
2679	SLE-R-189	3019.01	1667.16	59.64	120.72
2680	SLE-R-189	3056.89	1635.02	60.82	123.11
2681	SLE-R-190	2929.74	1412.25	59.14	119.71
2682	SLE-R-190	3334.77	1578.23	57.44	116.27
2683	SLE-R-190	3312.85	1475.48	56.84	115.06
2684	SLE-R-190	2952.16	1515.53	59.74	120.93
2685	SLE-R-190	3144.03	1541.71	57.25	115.89
2686	SLE-R-190	3180.74	1508.65	58.47	118.36
2687	SLE-R-191	2989.46	1347.92	69.34	140.37
2688	SLE-R-191	3404.59	1511.34	67.64	136.93

2689	SLE-R-191	3015.43	1460.01	69.86	141.41
2690	SLE-R-191	3382.95	1399.82	67.14	135.91
2691	SLE-R-191	3207.40	1478.89	67.78	137.21
2692	SLE-R-191	3256.26	1435.77	68.39	138.43
2693	SLE-R-192	2998.04	1344.07	69.29	140.25
2694	SLE-R-192	3155.42	1757.69	70.84	143.40
2695	SLE-R-192	3049.00	1739.46	71.38	144.49
2696	SLE-R-192	3104.96	1362.84	68.75	139.17
2697	SLE-R-192	3081.81	1604.05	70.23	142.17
2698	SLE-R-192	3124.15	1565.36	70.68	143.07
2699	SLE-R-193	3318.75	940.38	103.77	210.05
2700	SLE-R-193	3490.99	1346.70	105.64	213.83
2701	SLE-R-193	3429.38	967.81	103.22	208.95
2702	SLE-R-193	3381.78	1322.75	106.19	214.95
2703	SLE-R-193	3416.55	1191.50	104.80	212.14
2704	SLE-R-193	3454.44	1159.35	105.58	213.71
2705	SLE-R-194	3327.28	936.59	104.03	210.59
2706	SLE-R-194	3732.31	1102.56	102.32	207.11
2707	SLE-R-194	3710.40	999.81	101.71	205.89
2708	SLE-R-194	3349.70	1039.86	104.64	211.81
2709	SLE-R-194	3541.58	1066.04	102.33	207.14
2710	SLE-R-194	3578.29	1032.98	103.16	208.81
2711	SLE-R-195	3245.83	1013.51	103.97	210.47
2712	SLE-R-195	3660.96	1176.93	102.21	206.90
2713	SLE-R-195	3271.80	1125.60	104.50	211.54
2714	SLE-R-195	3639.32	1065.42	101.69	205.84
2715	SLE-R-195	3463.77	1144.49	102.50	207.49
2716	SLE-R-195	3512.63	1101.37	102.82	208.12
2717	SLE-R-196	3254.41	1009.66	103.87	210.26
2718	SLE-R-196	3411.80	1423.29	105.49	213.54
2719	SLE-R-196	3305.38	1405.05	106.05	214.67
2720	SLE-R-196	3361.34	1028.44	103.31	209.13
2721	SLE-R-196	3338.19	1269.64	105.00	212.53
2722	SLE-R-196	3380.52	1230.96	105.18	212.91
2723	SLE-R-197	3368.74	983.01	103.77	210.06
2724	SLE-R-197	3540.98	1389.32	105.64	213.84
2725	SLE-R-197	3479.37	1010.44	103.23	208.96
2726	SLE-R-197	3431.77	1365.37	106.19	214.96
2727	SLE-R-197	3466.55	1234.12	104.81	212.15
2728	SLE-R-197	3504.43	1201.98	105.59	213.73
2729	SLE-R-198	3377.28	979.21	104.04	210.60
2730	SLE-R-198	3782.31	1145.19	102.32	207.12
2731	SLE-R-198	3760.39	1042.44	101.72	205.90
2732	SLE-R-198	3399.70	1082.49	104.64	211.83
2733	SLE-R-198	3591.57	1108.67	102.33	207.15
2734	SLE-R-198	3628.28	1075.61	103.16	208.83
2735	SLE-R-199	3293.09	1058.87	104.03	210.58
2736	SLE-R-199	3708.22	1222.29	102.27	207.01

2737	SLE-R-199	3319.06	1170.96	104.56	211.65
2738	SLE-R-199	3686.58	1110.77	101.74	205.96
2739	SLE-R-199	3511.03	1189.84	102.56	207.60
2740	SLE-R-199	3559.89	1146.72	102.88	208.25
2741	SLE-R-200	3301.67	1055.02	103.93	210.38
2742	SLE-R-200	3459.06	1468.64	105.55	213.65
2743	SLE-R-200	3352.64	1450.40	106.11	214.78
2744	SLE-R-200	3408.60	1073.79	103.37	209.25
2745	SLE-R-200	3385.45	1315.00	105.05	212.65
2746	SLE-R-200	3427.78	1276.31	105.24	213.03
2747	SLE-R-201	3311.53	933.16	103.76	210.04
2748	SLE-R-201	3483.76	1339.47	105.63	213.82
2749	SLE-R-201	3422.16	960.58	103.22	208.94
2750	SLE-R-201	3374.56	1315.52	106.18	214.94
2751	SLE-R-201	3409.33	1184.27	104.80	212.13
2752	SLE-R-201	3447.22	1152.13	105.57	213.70
2753	SLE-R-202	3320.06	929.36	104.03	210.58
2754	SLE-R-202	3725.09	1095.34	102.31	207.10
2755	SLE-R-202	3703.18	992.59	101.71	205.88
2756	SLE-R-202	3342.48	1032.63	104.63	211.80
2757	SLE-R-202	3534.35	1058.82	102.32	207.13
2758	SLE-R-202	3571.06	1025.76	103.15	208.80
2759	SLE-R-203	3238.72	1006.17	103.98	210.48
2760	SLE-R-203	3653.85	1169.59	102.22	206.91
2761	SLE-R-203	3264.69	1118.26	104.51	211.55
2762	SLE-R-203	3632.21	1058.08	101.69	205.85
2763	SLE-R-203	3456.66	1137.15	102.51	207.50
2764	SLE-R-203	3505.52	1094.03	102.82	208.14
2765	SLE-R-204	3247.30	1002.32	103.88	210.28
2766	SLE-R-204	3404.68	1415.95	105.50	213.55
2767	SLE-R-204	3298.26	1397.71	106.06	214.69
2768	SLE-R-204	3354.22	1021.10	103.32	209.15
2769	SLE-R-204	3331.07	1262.30	105.00	212.55
2770	SLE-R-204	3373.41	1223.62	105.19	212.92
2771	SLE-R-205	3361.52	975.78	103.77	210.05
2772	SLE-R-205	3533.75	1382.10	105.64	213.83
2773	SLE-R-205	3472.15	1003.21	103.22	208.95
2774	SLE-R-205	3424.55	1358.15	106.19	214.95
2775	SLE-R-205	3459.32	1226.90	104.80	212.14
2776	SLE-R-205	3497.21	1194.75	105.58	213.72
2777	SLE-R-206	3370.05	971.98	104.03	210.59
2778	SLE-R-206	3775.08	1137.96	102.32	207.11
2779	SLE-R-206	3753.17	1035.21	101.71	205.89
2780	SLE-R-206	3392.47	1075.26	104.64	211.81
2781	SLE-R-206	3584.34	1101.44	102.33	207.14
2782	SLE-R-206	3621.05	1068.38	103.16	208.82
2783	SLE-R-207	3285.98	1051.53	104.04	210.60
2784	SLE-R-207	3701.11	1214.95	102.28	207.03

2785	SLE-R-207	3311.95	1163.62	104.57	211.67
2786	SLE-R-207	3679.47	1103.43	101.75	205.97
2787	SLE-R-207	3503.92	1182.50	102.57	207.62
2788	SLE-R-207	3552.78	1139.39	102.88	208.26
2789	SLE-R-208	3294.56	1047.68	103.94	210.40
2790	SLE-R-208	3451.94	1461.30	105.55	213.67
2791	SLE-R-208	3345.52	1443.07	106.11	214.80
2792	SLE-R-208	3401.48	1066.45	103.38	209.26
2793	SLE-R-208	3378.33	1307.66	105.06	212.66
2794	SLE-R-208	3420.67	1268.97	105.25	213.04
2795	SLE-R-209	3092.60	1171.40	68.33	138.32
2796	SLE-R-209	3264.84	1577.71	70.12	141.93
2797	SLE-R-209	3203.23	1198.82	67.82	137.29
2798	SLE-R-209	3155.63	1553.76	70.64	143.00
2799	SLE-R-209	3190.40	1422.51	68.92	139.51
2800	SLE-R-209	3228.29	1390.37	70.48	142.66
2801	SLE-R-210	3101.13	1167.60	68.70	139.07
2802	SLE-R-210	3506.16	1333.58	67.06	135.75
2803	SLE-R-210	3484.25	1230.83	66.48	134.57
2804	SLE-R-210	3123.55	1270.87	69.29	140.26
2805	SLE-R-210	3315.43	1297.06	66.67	134.96
2806	SLE-R-210	3352.13	1264.00	68.24	138.14
2807	SLE-R-211	3062.84	1201.28	68.58	138.82
2808	SLE-R-211	3477.97	1364.70	67.06	135.74
2809	SLE-R-211	3088.80	1313.37	69.05	139.77
2810	SLE-R-211	3456.33	1253.19	66.61	134.83
2811	SLE-R-211	3280.78	1332.26	66.87	135.36
2812	SLE-R-211	3329.64	1289.14	68.04	137.73
2813	SLE-R-212	3071.42	1197.44	68.62	138.90
2814	SLE-R-212	3228.80	1611.06	70.01	141.71
2815	SLE-R-212	3122.38	1592.82	70.49	142.68
2816	SLE-R-212	3178.34	1216.21	68.15	137.94
2817	SLE-R-212	3155.19	1457.42	69.17	140.02
2818	SLE-R-212	3197.53	1418.73	70.13	141.96
2819	SLE-R-213	3142.59	1214.02	68.39	138.43
2820	SLE-R-213	3314.83	1620.34	70.17	142.04
2821	SLE-R-213	3253.22	1241.45	67.88	137.40
2822	SLE-R-213	3205.62	1596.39	70.69	143.10
2823	SLE-R-213	3240.39	1465.14	68.97	139.61
2824	SLE-R-213	3278.28	1432.99	70.53	142.78
2825	SLE-R-214	3151.12	1210.22	68.76	139.19
2826	SLE-R-214	3556.15	1376.20	67.12	135.87
2827	SLE-R-214	3534.24	1273.45	66.54	134.69
2828	SLE-R-214	3173.54	1313.50	69.35	140.37
2829	SLE-R-214	3365.42	1339.68	66.73	135.07
2830	SLE-R-214	3402.13	1306.62	68.30	138.26
2831	SLE-R-215	3110.10	1246.64	68.68	139.02
2832	SLE-R-215	3525.23	1410.06	67.16	135.96

2833	SLE-R-215	3136.06	1358.73	69.15	139.97
2834	SLE-R-215	3503.59	1298.55	66.71	135.04
2835	SLE-R-215	3328.04	1377.62	66.97	135.57
2836	SLE-R-215	3376.90	1334.50	68.15	137.95
2837	SLE-R-216	3118.68	1242.79	68.72	139.11
2838	SLE-R-216	3276.06	1656.42	70.11	141.92
2839	SLE-R-216	3169.64	1638.18	70.59	142.88
2840	SLE-R-216	3225.60	1261.57	68.25	138.15
2841	SLE-R-216	3202.45	1502.77	69.27	140.22
2842	SLE-R-216	3244.79	1464.09	70.23	142.17
2843	SLE-R-217	3080.56	1159.35	68.33	138.31
2844	SLE-R-217	3252.79	1565.66	70.11	141.92
2845	SLE-R-217	3191.19	1186.78	67.82	137.28
2846	SLE-R-217	3143.59	1541.71	70.64	142.98
2847	SLE-R-217	3178.36	1410.46	68.91	139.49
2848	SLE-R-217	3216.25	1378.32	70.47	142.65
2849	SLE-R-218	3089.09	1155.55	68.70	139.06
2850	SLE-R-218	3494.12	1321.53	67.06	135.74
2851	SLE-R-218	3472.21	1218.78	66.47	134.56
2852	SLE-R-218	3111.51	1258.83	69.28	140.25
2853	SLE-R-218	3303.38	1285.01	66.67	134.95
2854	SLE-R-218	3340.09	1251.95	68.24	138.13
2855	SLE-R-219	3050.98	1189.05	68.59	138.84
2856	SLE-R-219	3466.11	1352.47	67.07	135.77
2857	SLE-R-219	3076.95	1301.14	69.06	139.80
2858	SLE-R-219	3444.47	1240.96	66.62	134.86
2859	SLE-R-219	3268.92	1320.03	66.88	135.39
2860	SLE-R-219	3317.78	1276.91	68.06	137.76
2861	SLE-R-220	3059.56	1185.20	68.63	138.92
2862	SLE-R-220	3216.95	1598.83	70.02	141.74
2863	SLE-R-220	3110.52	1580.59	70.50	142.71
2864	SLE-R-220	3166.48	1203.98	68.16	137.97
2865	SLE-R-220	3143.33	1445.19	69.18	140.05
2866	SLE-R-220	3185.67	1406.50	70.14	141.99
2867	SLE-R-221	3130.55	1201.98	68.38	138.42
2868	SLE-R-221	3302.79	1608.29	70.16	142.03
2869	SLE-R-221	3241.18	1229.40	67.87	137.39
2870	SLE-R-221	3193.58	1584.34	70.69	143.09
2871	SLE-R-221	3228.35	1453.09	68.96	139.60
2872	SLE-R-221	3266.24	1420.95	70.53	142.77
2873	SLE-R-222	3139.08	1198.18	68.75	139.17
2874	SLE-R-222	3544.11	1364.15	67.11	135.85
2875	SLE-R-222	3522.20	1261.41	66.53	134.67
2876	SLE-R-222	3161.50	1301.45	69.34	140.36
2877	SLE-R-222	3353.38	1327.64	66.72	135.06
2878	SLE-R-222	3390.09	1294.58	68.30	138.25
2879	SLE-R-223	3098.24	1234.41	68.69	139.05
2880	SLE-R-223	3513.37	1397.83	67.18	135.98

2881	SLE-R-223	3124.21	1346.50	69.16	140.00
2882	SLE-R-223	3491.73	1286.32	66.73	135.07
2883	SLE-R-223	3316.18	1365.39	66.98	135.59
2884	SLE-R-223	3365.04	1322.27	68.16	137.98
2885	SLE-R-224	3106.82	1230.56	68.73	139.13
2886	SLE-R-224	3264.21	1644.19	70.12	141.95
2887	SLE-R-224	3157.78	1625.95	70.60	142.91
2888	SLE-R-224	3213.74	1249.34	68.26	138.18
2889	SLE-R-224	3190.59	1490.54	69.28	140.24
2890	SLE-R-224	3232.93	1451.86	70.25	142.20
2891	SLE-FR-1	2337.59	1920.43	15.54	31.46
2892	SLE-FR-1	2734.03	2102.53	15.35	31.08
2893	SLE-FR-1	2449.68	1946.39	15.60	31.57
2894	SLE-FR-1	2710.08	1993.33	15.35	31.07
2895	SLE-FR-1	2578.83	2028.10	16.87	34.15
2896	SLE-FR-1	2546.69	2065.99	13.85	28.03
2897	SLE-FR-2	2333.75	1929.01	15.08	30.53
2898	SLE-FR-2	2747.37	2086.39	15.45	31.28
2899	SLE-FR-2	2729.13	1979.97	15.65	31.67
2900	SLE-FR-2	2427.20	1961.25	14.97	30.31
2901	SLE-FR-2	2593.73	2012.78	16.82	34.05
2902	SLE-FR-2	2555.04	2055.11	13.97	28.27
2903	SLE-FR-3	2382.95	1967.69	15.37	31.10
2904	SLE-FR-3	2776.66	2152.53	15.17	30.72
2905	SLE-FR-3	2495.04	1993.65	15.42	31.22
2906	SLE-FR-3	2752.71	2043.32	15.17	30.71
2907	SLE-FR-3	2621.46	2078.09	16.69	33.79
2908	SLE-FR-3	2589.31	2115.98	13.67	27.67
2909	SLE-FR-4	2379.10	1976.27	14.90	30.17
2910	SLE-FR-4	2792.73	2133.65	15.28	30.93
2911	SLE-FR-4	2774.49	2027.23	15.48	31.33
2912	SLE-FR-4	2469.82	2011.24	14.79	29.95
2913	SLE-FR-4	2639.08	2060.04	16.65	33.70
2914	SLE-FR-4	2600.40	2102.37	13.79	27.92
2915	SLE-FR-5	2337.59	1920.43	15.54	31.46
2916	SLE-FR-5	2734.03	2102.53	15.35	31.08
2917	SLE-FR-5	2449.68	1946.39	15.60	31.57
2918	SLE-FR-5	2710.08	1993.33	15.35	31.07
2919	SLE-FR-5	2578.83	2028.10	16.87	34.15
2920	SLE-FR-5	2546.69	2065.99	13.85	28.03
2921	SLE-FR-6	2333.75	1929.01	15.08	30.53
2922	SLE-FR-6	2747.37	2086.39	15.45	31.28
2923	SLE-FR-6	2729.13	1979.97	15.65	31.67
2924	SLE-FR-6	2427.20	1961.25	14.97	30.31
2925	SLE-FR-6	2593.73	2012.78	16.82	34.05
2926	SLE-FR-6	2555.04	2055.11	13.97	28.27
2927	SLE-FR-7	2382.95	1967.69	15.37	31.10
2928	SLE-FR-7	2776.66	2152.53	15.17	30.72

2929	SLE-FR-7	2495.04	1993.65	15.42	31.22
2930	SLE-FR-7	2752.71	2043.32	15.17	30.71
2931	SLE-FR-7	2621.46	2078.09	16.69	33.79
2932	SLE-FR-7	2589.31	2115.98	13.67	27.67
2933	SLE-FR-8	2379.10	1976.27	14.90	30.17
2934	SLE-FR-8	2792.73	2133.65	15.28	30.93
2935	SLE-FR-8	2774.49	2027.23	15.48	31.33
2936	SLE-FR-8	2469.82	2011.24	14.79	29.95
2937	SLE-FR-8	2639.08	2060.04	16.65	33.70
2938	SLE-FR-8	2600.40	2102.37	13.79	27.92
2939	SLE-FR-9	2331.48	1914.50	15.54	31.45
2940	SLE-FR-9	2728.01	2096.51	15.35	31.07
2941	SLE-FR-9	2443.57	1940.46	15.59	31.57
2942	SLE-FR-9	2704.06	1987.31	15.34	31.06
2943	SLE-FR-9	2572.81	2022.08	16.87	34.14
2944	SLE-FR-9	2540.67	2059.97	13.84	28.02
2945	SLE-FR-10	2327.63	1923.08	15.08	30.52
2946	SLE-FR-10	2741.25	2080.46	15.45	31.27
2947	SLE-FR-10	2723.02	1974.04	15.64	31.67
2948	SLE-FR-10	2421.17	1955.23	14.97	30.30
2949	SLE-FR-10	2587.61	2006.85	16.82	34.04
2950	SLE-FR-10	2548.92	2049.19	13.96	28.26
2951	SLE-FR-11	2376.83	1961.76	15.36	31.10
2952	SLE-FR-11	2770.64	2146.51	15.17	30.71
2953	SLE-FR-11	2488.93	1987.72	15.42	31.21
2954	SLE-FR-11	2746.69	2037.30	15.17	30.70
2955	SLE-FR-11	2615.44	2072.07	16.69	33.78
2956	SLE-FR-11	2583.29	2109.96	13.67	27.66
2957	SLE-FR-12	2372.99	1970.34	14.90	30.16
2958	SLE-FR-12	2786.61	2127.72	15.28	30.92
2959	SLE-FR-12	2768.37	2021.30	15.47	31.32
2960	SLE-FR-12	2463.80	2005.22	14.79	29.94
2961	SLE-FR-12	2632.97	2054.11	16.65	33.69
2962	SLE-FR-12	2594.28	2096.45	13.79	27.91
2963	SLE-FR-13	2331.48	1914.50	15.54	31.45
2964	SLE-FR-13	2728.01	2096.51	15.35	31.07
2965	SLE-FR-13	2443.57	1940.46	15.59	31.57
2966	SLE-FR-13	2704.06	1987.31	15.34	31.06
2967	SLE-FR-13	2572.81	2022.08	16.87	34.14
2968	SLE-FR-13	2540.67	2059.97	13.84	28.02
2969	SLE-FR-14	2327.63	1923.08	15.08	30.52
2970	SLE-FR-14	2741.25	2080.46	15.45	31.27
2971	SLE-FR-14	2723.02	1974.04	15.64	31.67
2972	SLE-FR-14	2421.17	1955.23	14.97	30.30
2973	SLE-FR-14	2587.61	2006.85	16.82	34.04
2974	SLE-FR-14	2548.92	2049.19	13.96	28.26
2975	SLE-FR-15	2376.83	1961.76	15.36	31.10
2976	SLE-FR-15	2770.64	2146.51	15.17	30.71

2977	SLE-FR-15	2488.93	1987.72	15.42	31.21
2978	SLE-FR-15	2746.69	2037.30	15.17	30.70
2979	SLE-FR-15	2615.44	2072.07	16.69	33.78
2980	SLE-FR-15	2583.29	2109.96	13.67	27.66
2981	SLE-FR-16	2372.99	1970.34	14.90	30.16
2982	SLE-FR-16	2786.61	2127.72	15.28	30.92
2983	SLE-FR-16	2768.37	2021.30	15.47	31.32
2984	SLE-FR-16	2463.80	2005.22	14.79	29.94
2985	SLE-FR-16	2632.97	2054.11	16.65	33.69
2986	SLE-FR-16	2594.28	2096.45	13.79	27.91
2987	SLE-FR-17	2541.56	1784.98	25.57	51.76
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2994	SLE-FR-18	2550.25	1776.33	25.47	51.56
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3010	SLE-FR-20	2592.88	1826.32	25.39	51.39
3011	SLE-FR-21	2535.44	1779.05	25.56	51.75
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3015	SLE-FR-21	2535.44	1779.05	25.56	51.75
3016	SLE-FR-21	2535.44	1779.05	25.56	51.75
3017	SLE-FR-22	2544.23	1770.31	25.47	51.56
3018	SLE-FR-22	2544.23	1770.31	25.47	51.56
3019	SLE-FR-22	2544.23	1770.31	25.47	51.56
3020	SLE-FR-22	2544.23	1770.31	25.47	51.56
3021	SLE-FR-22	2544.23	1770.31	25.47	51.56
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3023	SLE-FR-23	2580.80	1826.31	25.44	51.49
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3028	SLE-FR-23	2580.80	1826.31	25.44	51.49
3029	SLE-FR-24	2586.86	1820.30	25.39	51.40
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3031	SLE-FR-24	2586.86	1820.30	25.39	51.40
3032	SLE-FR-24	2586.86	1820.30	25.39	51.40
3033	SLE-FR-24	2586.86	1820.30	25.39	51.40
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3037	SLE-FR-25	2410.91	1916.85	18.37	37.19
3038	SLE-FR-25	2410.91	1916.85	18.37	37.19
3039	SLE-FR-25	2410.91	1916.85	18.37	37.19
3040	SLE-FR-25	2410.91	1916.85	18.37	37.19
3041	SLE-FR-26	2403.57	1909.74	18.37	37.18
3042	SLE-FR-26	2403.57	1909.74	18.37	37.18
3043	SLE-FR-26	2403.57	1909.74	18.37	37.18
3044	SLE-FR-26	2403.57	1909.74	18.37	37.18
3045	SLE-FR-26	2403.57	1909.74	18.37	37.18
3046	SLE-FR-26	2403.57	1909.74	18.37	37.18
3047	SLE-FR-27	2456.27	1964.11	18.20	36.83
3048	SLE-FR-27	2456.27	1964.11	18.20	36.83
3049	SLE-FR-27	2456.27	1964.11	18.20	36.83
3050	SLE-FR-27	2456.27	1964.11	18.20	36.83
3051	SLE-FR-27	2456.27	1964.11	18.20	36.83
3052	SLE-FR-27	2456.27	1964.11	18.20	36.83
3053	SLE-FR-28	2448.93	1957.00	18.19	36.82
3054	SLE-FR-28	2448.93	1957.00	18.19	36.82
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3058	SLE-FR-28	2448.93	1957.00	18.19	36.82
3059	SLE-FR-29	2330.61	1927.41	14.96	30.28
3060	SLE-FR-29	2745.74	2090.83	15.34	31.06
3061	SLE-FR-29	2429.72	1966.37	14.93	30.22
3062	SLE-FR-29	2724.10	1979.32	15.49	31.36
3063	SLE-FR-29	2548.55	2058.39	13.72	27.77
3064	SLE-FR-29	2597.42	2015.27	16.78	33.97
3065	SLE-FR-30	2339.20	1923.57	15.42	31.22
3066	SLE-FR-30	2732.65	2101.12	15.22	30.81
3067	SLE-FR-30	2710.74	1998.37	15.17	30.71
3068	SLE-FR-30	2446.12	1942.34	15.56	31.49
3069	SLE-FR-30	2541.91	2064.60	13.80	27.94
3070	SLE-FR-30	2578.62	2031.54	16.61	33.62
3071	SLE-FR-31	2377.87	1972.77	15.14	30.64
3072	SLE-FR-31	2793.00	2136.19	15.52	31.41

3073	SLE-FR-31	2479.71	2009.00	15.11	30.58
3074	SLE-FR-31	2771.36	2024.68	15.66	31.70
3075	SLE-FR-31	2595.81	2103.75	13.89	28.12
3076	SLE-FR-31	2644.68	2060.63	16.96	34.32
3077	SLE-FR-32	2386.46	1968.92	15.60	31.57
3078	SLE-FR-32	2782.64	2143.75	15.40	31.17
3079	SLE-FR-32	2760.73	2041.00	15.35	31.07
3080	SLE-FR-32	2493.38	1987.70	15.73	31.85
3081	SLE-FR-32	2591.90	2107.23	13.98	28.30
3082	SLE-FR-32	2628.61	2074.17	16.78	33.97
3083	SLE-FR-33	2330.61	1927.41	14.96	30.28
3084	SLE-FR-33	2745.74	2090.83	15.34	31.06
3085	SLE-FR-33	2429.72	1966.37	14.93	30.22
3086	SLE-FR-33	2724.10	1979.32	15.49	31.36
3087	SLE-FR-33	2548.55	2058.39	13.72	27.77
3088	SLE-FR-33	2597.42	2015.27	16.78	33.97
3089	SLE-FR-34	2339.20	1923.57	15.42	31.22
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3092	SLE-FR-34	2446.12	1942.34	15.56	31.49
3093	SLE-FR-34	2541.91	2064.60	13.80	27.94
3094	SLE-FR-34	2578.62	2031.54	16.61	33.62
3095	SLE-FR-35	2377.87	1972.77	15.14	30.64
3096	SLE-FR-35	2793.00	2136.19	15.52	31.41
3097	SLE-FR-35	2479.71	2009.00	15.11	30.58
3098	SLE-FR-35	2771.36	2024.68	15.66	31.70
3099	SLE-FR-35	2595.81	2103.75	13.89	28.12
3100	SLE-FR-35	2644.68	2060.63	16.96	34.32
3101	SLE-FR-36	2386.46	1968.92	15.60	31.57
3102	SLE-FR-36	2782.64	2143.75	15.40	31.17
3103	SLE-FR-36	2760.73	2041.00	15.35	31.07
3104	SLE-FR-36	2493.38	1987.70	15.73	31.85
3105	SLE-FR-36	2591.90	2107.23	13.98	28.30
3106	SLE-FR-36	2628.61	2074.17	16.78	33.97
3107	SLE-FR-37	2324.69	1921.30	14.96	30.29
3108	SLE-FR-37	2739.82	2084.72	15.35	31.07
3109	SLE-FR-37	2423.70	1960.35	14.94	30.23
3110	SLE-FR-37	2718.17	1973.21	15.49	31.36
3111	SLE-FR-37	2542.63	2052.28	13.72	27.77
3112	SLE-FR-37	2591.49	2009.16	16.79	33.98
3113	SLE-FR-38	2333.27	1917.45	15.42	31.22
3114	SLE-FR-38	2726.63	2095.10	15.23	30.82
3115	SLE-FR-38	2704.72	1992.35	15.18	30.72
3116	SLE-FR-38	2440.19	1936.23	15.56	31.50
3117	SLE-FR-38	2535.89	2058.58	13.81	27.95
3118	SLE-FR-38	2572.60	2025.52	16.61	33.62
3119	SLE-FR-39	2371.95	1966.66	15.14	30.65
3120	SLE-FR-39	2787.08	2130.08	15.52	31.42

3121	SLE-FR-39	2473.69	2002.97	15.11	30.59
3122	SLE-FR-39	2765.43	2018.56	15.66	31.71
3123	SLE-FR-39	2589.89	2097.63	13.89	28.12
3124	SLE-FR-39	2638.75	2054.51	16.96	34.33
3125	SLE-FR-40	2380.53	1962.81	15.60	31.58
3126	SLE-FR-40	2776.62	2137.72	15.40	31.18
3127	SLE-FR-40	2754.71	2034.98	15.36	31.08
3128	SLE-FR-40	2487.45	1981.58	15.74	31.86
3129	SLE-FR-40	2585.88	2101.21	13.98	28.31
3130	SLE-FR-40	2622.59	2068.14	16.79	33.98
3131	SLE-FR-41	2324.69	1921.30	14.96	30.29
3132	SLE-FR-41	2739.82	2084.72	15.35	31.07
3133	SLE-FR-41	2423.70	1960.35	14.94	30.23
3134	SLE-FR-41	2718.17	1973.21	15.49	31.36
3135	SLE-FR-41	2542.63	2052.28	13.72	27.77
3136	SLE-FR-41	2591.49	2009.16	16.79	33.98
3137	SLE-FR-42	2333.27	1917.45	15.42	31.22
3138	SLE-FR-42	2726.63	2095.10	15.23	30.82
3139	SLE-FR-42	2704.72	1992.35	15.18	30.72
3140	SLE-FR-42	2440.19	1936.23	15.56	31.50
3141	SLE-FR-42	2535.89	2058.58	13.81	27.95
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3150	SLE-FR-44	2776.62	2137.72	15.40	31.18
3151	SLE-FR-44	2754.71	2034.98	15.36	31.08
3152	SLE-FR-44	2487.45	1981.58	15.74	31.86
3153	SLE-FR-44	2585.88	2101.21	13.98	28.31
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3179	SLE-FR-49	2542.77	1771.74	25.51	51.63
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3185	SLE-FR-50	2536.26	1778.29	25.50	51.61
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3197	SLE-FR-52	2583.52	1823.64	25.62	51.87
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3202	SLE-FR-52	2583.52	1823.64	25.62	51.87
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3208	SLE-FR-53	2409.08	1918.69	18.23	36.90
3209	SLE-FR-54	2401.97	1911.36	18.23	36.91
3210	SLE-FR-54	2401.97	1911.36	18.23	36.91
3211	SLE-FR-54	2401.97	1911.36	18.23	36.91
3212	SLE-FR-54	2401.97	1911.36	18.23	36.91
3213	SLE-FR-54	2401.97	1911.36	18.23	36.91
3214	SLE-FR-54	2401.97	1911.36	18.23	36.91
3215	SLE-FR-55	2456.34	1964.05	18.41	37.26
3216	SLE-FR-55	2456.34	1964.05	18.41	37.26

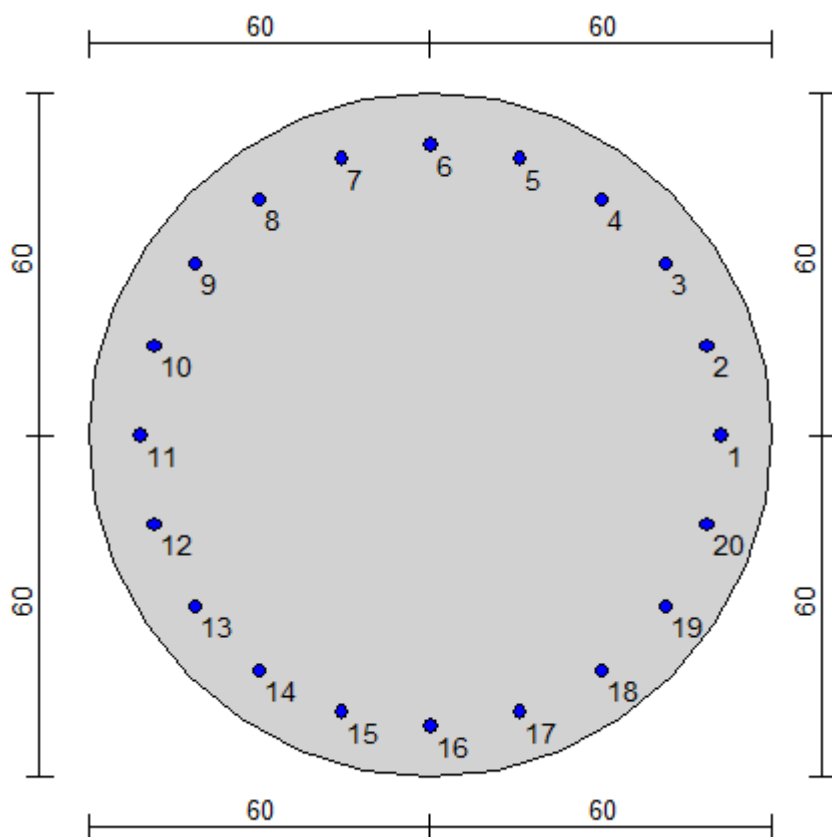
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3220	SLE-FR-55	2456.34	1964.05	18.41	37.26
3221	SLE-FR-56	2449.23	1956.71	18.41	37.27
3222	SLE-FR-56	2449.23	1956.71	18.41	37.27
3223	SLE-FR-56	2449.23	1956.71	18.41	37.27
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3226	SLE-FR-56	2449.23	1956.71	18.41	37.27
3227	SLE-QP-1	2369.28	1957.28	15.32	31.01
3228	SLE-QP-1	2369.28	1957.28	15.32	31.01
3229	SLE-QP-1	2369.28	1957.28	15.32	31.01
3230	SLE-QP-1	2369.28	1957.28	15.32	31.01
3231	SLE-QP-1	2369.28	1957.28	15.32	31.01
3232	SLE-QP-1	2369.28	1957.28	15.32	31.01
3233	SLE-QP-2	2414.64	2004.54	15.14	30.66
3234	SLE-QP-2	2414.64	2004.54	15.14	30.66
3235	SLE-QP-2	2414.64	2004.54	15.14	30.66
3236	SLE-QP-2	2414.64	2004.54	15.14	30.66
3237	SLE-QP-2	2414.64	2004.54	15.14	30.66
3238	SLE-QP-2	2414.64	2004.54	15.14	30.66
3239	SLE-QP-3	2363.16	1951.35	15.32	31.00
3240	SLE-QP-3	2363.16	1951.35	15.32	31.00
3241	SLE-QP-3	2363.16	1951.35	15.32	31.00
3242	SLE-QP-3	2363.16	1951.35	15.32	31.00
3243	SLE-QP-3	2363.16	1951.35	15.32	31.00
3244	SLE-QP-3	2363.16	1951.35	15.32	31.00
3245	SLE-QP-4	2408.52	1998.61	15.14	30.65
3246	SLE-QP-4	2408.52	1998.61	15.14	30.65
3247	SLE-QP-4	2408.52	1998.61	15.14	30.65
3248	SLE-QP-4	2408.52	1998.61	15.14	30.65
3249	SLE-QP-4	2408.52	1998.61	15.14	30.65
3250	SLE-QP-4	2408.52	1998.61	15.14	30.65
3251	SLE-QP-5	2367.47	1959.10	15.18	30.73
3252	SLE-QP-5	2367.47	1959.10	15.18	30.73
3253	SLE-QP-5	2367.47	1959.10	15.18	30.73
3254	SLE-QP-5	2367.47	1959.10	15.18	30.73
3255	SLE-QP-5	2367.47	1959.10	15.18	30.73
3256	SLE-QP-5	2367.47	1959.10	15.18	30.73
3257	SLE-QP-6	2414.73	2004.46	15.36	31.08
3258	SLE-QP-6	2414.73	2004.46	15.36	31.08
3259	SLE-QP-6	2414.73	2004.46	15.36	31.08
3260	SLE-QP-6	2414.73	2004.46	15.36	31.08
3261	SLE-QP-6	2414.73	2004.46	15.36	31.08
3262	SLE-QP-6	2414.73	2004.46	15.36	31.08
3263	SLE-QP-7	2361.54	1952.99	15.18	30.74
3264	SLE-QP-7	2361.54	1952.99	15.18	30.74

3265	SLE-QP-7	2361.54	1952.99	15.18	30.74
3266	SLE-QP-7	2361.54	1952.99	15.18	30.74
3267	SLE-QP-7	2361.54	1952.99	15.18	30.74
3268	SLE-QP-7	2361.54	1952.99	15.18	30.74
3269	SLE-QP-8	2408.80	1998.34	15.36	31.09
3270	SLE-QP-8	2408.80	1998.34	15.36	31.09
3271	SLE-QP-8	2408.80	1998.34	15.36	31.09
3272	SLE-QP-8	2408.80	1998.34	15.36	31.09
3273	SLE-QP-8	2408.80	1998.34	15.36	31.09
3274	SLE-QP-8	2408.80	1998.34	15.36	31.09

15.5.2. VERIFICA A PRESSOFLESSIONE

Si riporta qui di seguito la verifica a pressoflessione dei pali; essi verranno armati con ferri 20 ϕ 22.

SLU-Nmax



Geometria della sezione:

Vertice	X	Y
n.	cm	cm
1	60.0	120.0
2	71.7	118.8
3	83.0	115.4
4	93.3	109.9
5	102.4	102.4
6	109.9	93.3
7	115.4	83.0
8	118.8	71.7
9	120.0	60.0
10	118.8	48.3
11	115.4	37.0
12	109.9	26.7
13	102.4	17.6
14	93.3	10.1
15	83.0	4.6
16	71.7	1.2
17	60.0	0.0
18	48.3	1.2
19	37.0	4.6
20	26.7	10.1
21	17.6	17.6
22	10.1	26.7
23	4.6	37.0
24	1.2	48.3
25	0.0	60.0
26	1.2	71.7
27	4.6	83.0

28	10.1	93.3
29	17.6	102.4
30	26.7	109.9
31	37.0	115.4
32	48.3	118.8

Armature:

Pos	X	Y	Area	Pretens.
n.	cm	cm	cmq	si / no
1	111.0	60.0	3.80	no
2	108.5	75.8	3.80	no
3	101.3	90.0	3.80	no
4	90.0	101.3	3.80	no
5	75.8	108.5	3.80	no
6	60.0	111.0	3.80	no
7	44.2	108.5	3.80	no
8	30.0	101.3	3.80	no
9	18.7	90.0	3.80	no
10	11.5	75.8	3.80	no
11	9.0	60.0	3.80	no
12	11.5	44.2	3.80	no
13	18.7	30.0	3.80	no
14	30.0	18.7	3.80	no
15	44.2	11.5	3.80	no
16	60.0	9.0	3.80	no
17	75.8	11.5	3.80	no
18	90.0	18.7	3.80	no
19	101.3	30.0	3.80	no
20	108.5	44.2	3.80	no

Normativa di riferimento:

D.M. 17/01/2018 - 'Norme tecniche per le costruzioni'

Note:

Verifiche SLE per ambiente aggressivo

Materiali:

Calcestruzzo classe: C25/30

R_{ck} (resistenza caratteristica cubica a compressione) = 300.00 daN/cm²

f_{ck} (resistenza caratteristica cilindrica a compressione) = 249.00 daN/cm²

f_{cd} = 141.10 daN/cm² ($\alpha_{cc} = 0.85$; $\gamma_c = 1.50$)

f_{ctm} (resistenza a trazione media) = 25.58 daN/cm²

G (modulo di elasticità tangenziale) = 140389 daN/cm²

E (modulo elastico istantaneo iniziale) = 314472 daN/cm²

C. Poisson (coefficiente di contrazione trasversale) = 0.20

Coefficiente di dilatazione termica = 0.000050

Peso specifico del calcestruzzo armato = 2500 daN/mc

Barre d'acciaio ad aderenza migliorata tipo: B450C

f_{yk} (tensione caratteristica di snervamento) = 4500 daN/cm²

f_{yd} = 3913 daN/cm² ($\gamma_a = 1.15$)

f_{kt} (tensione caratteristica di rottura) = 5400 daN/cm²

ϵ_{uk} (deformazione di rottura) = 0.075

G (modulo di elasticità tangenziale) = 770000 daN/cm²

E (modulo elastico) = 2000000 daN/cm²

C. Poisson (coefficiente di contrazione trasversale) = 0.30

Coefficiente di dilatazione termica = 0.000012

Peso specifico = 7850 daN/mc

Intersezioni del dominio con gli assi N, Mx e My:

asse N - (Mx = 0, My = 0) Nu = -297495 daN
 asse N + (Mx = 0, My = 0) Nu = 1883097 daN
 asse Mx + (N = 0, My = 0) Mxu = 13938128 daN cm
 asse Mx - (N = 0, My = 0) Mxu = -13938128 daN cm
 asse My + (N = 0, Mx = 0) Myu = 13938128 daN cm
 asse My - (N = 0, Mx = 0) Myu = -13938128 daN cm

Verifiche stato limite ultimo:

Per ogni combinazione di carico saranno svolte le verifiche:

Verifica per Mxu, Myu e Nu proporzionali (sigla t.v.= P)

Verifica con rapporto Mxu, Myu assegnato (sigla t.v.= M)

Verifica con Nu costante (sigla t.v.= N)

Verifiche SLU (verifica Ok per Sd/Su < 1)

Cmb	N	Mx	My	T	Vx	Vy
n.	daN cm	daN cm	daN	daN cm	daN	daN
2	278376	2037248	0	0	0	10064
3	176119	1909772	0	0	0	9435
4	272006	2068823	0	0	0	10220
5	223607	2021367	0	0	0	9986
6	236267	1990784	0	0	0	9835
7	170748	1945242	0	0	0	9610
8	214109	1856373	0	0	0	9171
9	183779	1824378	0	0	0	9013
10	201174	1977815	0	0	0	9771
11	191860	1902091	0	0	0	9397
12	202446	1875101	0	0	0	9263
13	161952	1949914	0	0	0	9633
14	208776	1847415	0	0	0	9127
15	193317	1983653	0	0	0	9800
16	177671	1813360	0	0	0	8958
17	185954	1912134	0	0	0	9446
18	195800	1853390	0	0	0	9156
19	163932	1935044	0	0	0	9559
20	270735	2031789	0	0	0	10037
21	264645	2068369	0	0	0	10218
22	170120	1898474	0	0	0	9379
23	218417	2028957	0	0	0	10023
24	227098	1972444	0	0	0	9744
25	174638	1939407	0	0	0	9581
26	284048	2035482	0	0	0	10056
27	181790	1907896	0	0	0	9425
28	277678	2067083	0	0	0	10212
29	229278	2019428	0	0	0	9976
30	241938	1989149	0	0	0	9827
31	176419	1943439	0	0	0	9601
32	219781	1854486	0	0	0	9161
33	189450	1822453	0	0	0	9003
34	206846	1976046	0	0	0	9762
35	197532	1900081	0	0	0	9387
36	208117	1873390	0	0	0	9255
37	167951	1949302	0	0	0	9630
38	214775	1846763	0	0	0	9123
39	199316	1983054	0	0	0	9797
40	183670	1812696	0	0	0	8955
41	191953	1911334	0	0	0	9442

42	201799	1852923	0	0	0	9154
43	169931	1934466	0	0	0	9557
44	276734	2031244	0	0	0	10035
45	270644	2067828	0	0	0	10215
46	176119	1897890	0	0	0	9376
47	224416	2028253	0	0	0	10020
48	233097	1972030	0	0	0	9742
49	167900	1941019	0	0	0	9589
50	277309	2037018	0	0	0	10063
51	175052	1909538	0	0	0	9433
52	270939	2068591	0	0	0	10219
53	222540	2021132	0	0	0	9985
54	235200	1990555	0	0	0	9834
55	169681	1945009	0	0	0	9609
56	213042	1856141	0	0	0	9170
57	182712	1824143	0	0	0	9012
58	200107	1977582	0	0	0	9770
59	190793	1901856	0	0	0	9395
60	201379	1874869	0	0	0	9262
61	160868	1950065	0	0	0	9634
62	207693	1847567	0	0	0	9127
63	192233	1983807	0	0	0	9800
64	176587	1813512	0	0	0	8959
65	184870	1912279	0	0	0	9447
66	194717	1853550	0	0	0	9157
67	162848	1935199	0	0	0	9560
68	269652	2031946	0	0	0	10038
69	263561	2068527	0	0	0	10219
70	169036	1898630	0	0	0	9380
71	217334	2029106	0	0	0	10024
72	226014	1972606	0	0	0	9745
73	173571	1939174	0	0	0	9580
74	282980	2035250	0	0	0	10054
75	180723	1907664	0	0	0	9424
76	276610	2066852	0	0	0	10211
77	228211	2019193	0	0	0	9975
78	240871	1988920	0	0	0	9826
79	175352	1943206	0	0	0	9600
80	218713	1854251	0	0	0	9160
81	188383	1822218	0	0	0	9002
82	205778	1975813	0	0	0	9761
83	196465	1899844	0	0	0	9386
84	207050	1873159	0	0	0	9254
85	166867	1949457	0	0	0	9631
86	213692	1846916	0	0	0	9124
87	198232	1983209	0	0	0	9797
88	182586	1812848	0	0	0	8956
89	190869	1911481	0	0	0	9443
90	200716	1853084	0	0	0	9155
91	168847	1934622	0	0	0	9557
92	275651	2031401	0	0	0	10035
93	269560	2067985	0	0	0	10216
94	175035	1898045	0	0	0	9377
95	223333	2028401	0	0	0	10021
96	232013	1972193	0	0	0	9743
97	91912	1941061	0	0	0	9589
98	201321	2037054	0	0	0	10063
99	99064	1909578	0	0	0	9434
100	194951	2068628	0	0	0	10219
101	146552	2021178	0	0	0	9985
102	159212	1990586	0	0	0	9834
103	93693	1945049	0	0	0	9609
104	137055	1856182	0	0	0	9170
105	106724	1824188	0	0	0	9012
106	124120	1977620	0	0	0	9770
107	114806	1901904	0	0	0	9396
108	125391	1874905	0	0	0	9262
109	84841	1950138	0	0	0	9634

110	131666	1847641	0	0	0	9128
111	116206	1983877	0	0	0	9801
112	100560	1813586	0	0	0	8959
113	108843	1912357	0	0	0	9447
114	118690	1853614	0	0	0	9157
115	86821	1935268	0	0	0	9561
116	193625	2032015	0	0	0	10038
117	187534	2068594	0	0	0	10219
118	93009	1898698	0	0	0	9380
119	141307	2029183	0	0	0	10024
120	149987	1972668	0	0	0	9745
121	97584	1939215	0	0	0	9580
122	206993	2035287	0	0	0	10055
123	104735	1907705	0	0	0	9424
124	200623	2066888	0	0	0	10211
125	152223	2019236	0	0	0	9975
126	164883	1988951	0	0	0	9826
127	99365	1943243	0	0	0	9600
128	142726	1854295	0	0	0	9160
129	112395	1822263	0	0	0	9002
130	129791	1975851	0	0	0	9761
131	120477	1899893	0	0	0	9386
132	131062	1873192	0	0	0	9254
133	90840	1949526	0	0	0	9631
134	137665	1846987	0	0	0	9124
135	122205	1983280	0	0	0	9798
136	106559	1812920	0	0	0	8956
137	114842	1911557	0	0	0	9443
138	124689	1853147	0	0	0	9155
139	92820	1934690	0	0	0	9558
140	199624	2031468	0	0	0	10036
141	193533	2068052	0	0	0	10216
142	99008	1898114	0	0	0	9377
143	147306	2028478	0	0	0	10021
144	155986	1972254	0	0	0	9743
145	90845	1940827	0	0	0	9588
146	200254	2036822	0	0	0	10062
147	97997	1909347	0	0	0	9432
148	193884	2068396	0	0	0	10218
149	145485	2020943	0	0	0	9984
150	158145	1990357	0	0	0	9833
151	92626	1944816	0	0	0	9608
152	135987	1855948	0	0	0	9169
153	105657	1823953	0	0	0	9011
154	123052	1977388	0	0	0	9769
155	113739	1901667	0	0	0	9395
156	124324	1874673	0	0	0	9261
157	83757	1950292	0	0	0	9635
158	130582	1847790	0	0	0	9128
159	115123	1984031	0	0	0	9801
160	99476	1813738	0	0	0	8960
161	107759	1912503	0	0	0	9448
162	117606	1853774	0	0	0	9158
163	85738	1935423	0	0	0	9561
164	192541	2032170	0	0	0	10039
165	186450	2068751	0	0	0	10220
166	91926	1898854	0	0	0	9381
167	140223	2029330	0	0	0	10025
168	148904	1972831	0	0	0	9746
169	96516	1938981	0	0	0	9579
170	205926	2035056	0	0	0	10053
171	103668	1907471	0	0	0	9423
172	199556	2066656	0	0	0	10210
173	151156	2019004	0	0	0	9974
174	163816	1988721	0	0	0	9825
175	98297	1943013	0	0	0	9599
176	141659	1854060	0	0	0	9159
177	111328	1822028	0	0	0	9001

178	128724	1975619	0	0	0	9760
179	119410	1899657	0	0	0	9385
180	129995	1872963	0	0	0	9253
181	89756	1949681	0	0	0	9632
182	136581	1847140	0	0	0	9125
183	121122	1983433	0	0	0	9798
184	105475	1813072	0	0	0	8957
185	113758	1911704	0	0	0	9444
186	123605	1853308	0	0	0	9156
187	91737	1934846	0	0	0	9558
188	198540	2031625	0	0	0	10037
189	192449	2068210	0	0	0	10217
190	97925	1898269	0	0	0	9378
191	146222	2028628	0	0	0	10022
192	154903	1972417	0	0	0	9744
193	127973	2232239	0	0	0	11028
194	184016	2270224	0	0	0	11215
195	131479	2220493	0	0	0	10970
196	181094	2281703	0	0	0	11272
197	157395	2280642	0	0	0	11267
198	163992	2240969	0	0	0	11071
199	129132	2229573	0	0	0	11014
200	150379	2195321	0	0	0	10845
201	136012	2183872	0	0	0	10789
202	143566	2241297	0	0	0	11072
203	140441	2222825	0	0	0	10981
204	146156	2186940	0	0	0	10804
205	123742	2233313	0	0	0	11033
206	146994	2186944	0	0	0	10804
207	138678	2246411	0	0	0	11098
208	132252	2173416	0	0	0	10737
209	136946	2224287	0	0	0	10988
210	142060	2172296	0	0	0	10731
211	124894	2222128	0	0	0	10978
212	179574	2265237	0	0	0	11191
213	176615	2280689	0	0	0	11267
214	127921	2206733	0	0	0	10902
215	153824	2280220	0	0	0	11265
216	158780	2230708	0	0	0	11020
217	133645	2229350	0	0	0	11013
218	189687	2267383	0	0	0	11201
219	137150	2217589	0	0	0	10955
220	186766	2278876	0	0	0	11258
221	163067	2277738	0	0	0	11252
222	169663	2238172	0	0	0	11057
223	134803	2226702	0	0	0	11000
224	156050	2192404	0	0	0	10831
225	141683	2180935	0	0	0	10774
226	149238	2238444	0	0	0	11058
227	146112	2219870	0	0	0	10966
228	151827	2184085	0	0	0	10790
229	129742	2231497	0	0	0	11024
230	152993	2185087	0	0	0	10795
231	144677	2244605	0	0	0	11089
232	138251	2171548	0	0	0	10728
233	142945	2222386	0	0	0	10979
234	148059	2170509	0	0	0	10723
235	130893	2220323	0	0	0	10969
236	185573	2263467	0	0	0	11182
237	182614	2278929	0	0	0	11258
238	133920	2204919	0	0	0	10893
239	159823	2278388	0	0	0	11256
240	164779	2228981	0	0	0	11012
241	126906	2231994	0	0	0	11026
242	182949	2269978	0	0	0	11214
243	130412	2220247	0	0	0	10968
244	180027	2281458	0	0	0	11271
245	156328	2280400	0	0	0	11266

246	162924	2240725	0	0	0	11070
247	128065	2229328	0	0	0	11013
248	149312	2195075	0	0	0	10844
249	134945	2183626	0	0	0	10787
250	142499	2241052	0	0	0	11071
251	139374	2222583	0	0	0	10980
252	145089	2186694	0	0	0	10803
253	122659	2233407	0	0	0	11033
254	145911	2187034	0	0	0	10804
255	137594	2246503	0	0	0	11098
256	131168	2173505	0	0	0	10737
257	135862	2224375	0	0	0	10989
258	140977	2172387	0	0	0	10732
259	123811	2222219	0	0	0	10978
260	178490	2265332	0	0	0	11191
261	175532	2280784	0	0	0	11267
262	126837	2206826	0	0	0	10902
263	152740	2280311	0	0	0	11265
264	157696	2230807	0	0	0	11021
265	132578	2229104	0	0	0	11012
266	188620	2267139	0	0	0	11200
267	136083	2217345	0	0	0	10954
268	185698	2278632	0	0	0	11257
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271	133736	2226458	0	0	0	10999
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273	140616	2180690	0	0	0	10773
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276	150760	2183839	0	0	0	10788
277	128658	2231590	0	0	0	11024
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279	143593	2244700	0	0	0	11089
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285	181531	2279024	0	0	0	11259
286	132836	2205012	0	0	0	10893
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288	163695	2229079	0	0	0	11012
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290	249621	1914798	0	0	0	9459
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293	228669	1896811	0	0	0	9371
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296	216663	1823116	0	0	0	9006
297	202792	1806770	0	0	0	8926
298	208198	1886217	0	0	0	9318
299	211733	1828189	0	0	0	9032
300	207270	1841941	0	0	0	9099
301	201788	1868647	0	0	0	9231
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303	216920	1883441	0	0	0	9304
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311	236366	1900916	0	0	0	9391
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316	251503	1929469	0	0	0	9532
317	233784	1896352	0	0	0	9368
318	229445	1908409	0	0	0	9428
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368	220694	1822566	0	0	0	9004
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376	213138	1805192	0	0	0	8918
377	223812	1833188	0	0	0	9056
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388	221952	2097435	0	0	0	10362
389	198253	2080172	0	0	0	10276
390	204850	2064496	0	0	0	10199
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392	191237	1996107	0	0	0	9861
393	176870	1981534	0	0	0	9789
394	184424	2053280	0	0	0	10144
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396	187014	2001031	0	0	0	9885
397	171967	1850012	0	0	0	9139
398	195219	1799507	0	0	0	8890
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406	176146	1824939	0	0	0	9015
407	202048	1892652	0	0	0	9350
408	207004	1861629	0	0	0	9197
409	174503	2035272	0	0	0	10055
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413	203925	2078348	0	0	0	10267
414	210521	2062832	0	0	0	10191
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417	182541	1979729	0	0	0	9780
418	190096	2051546	0	0	0	10135
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421	177966	1849349	0	0	0	9136
422	201218	1798827	0	0	0	8886
423	192901	1863928	0	0	0	9208
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426	196284	1795873	0	0	0	8872
427	179118	1840772	0	0	0	9094
428	233797	1887363	0	0	0	9324
429	230839	1903824	0	0	0	9405
430	182145	1824298	0	0	0	9012
431	208047	1891941	0	0	0	9346
432	213003	1861082	0	0	0	9194
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445	170883	1850163	0	0	0	9140
446	194135	1799658	0	0	0	8891
447	185818	1864735	0	0	0	9212
448	179392	1784803	0	0	0	8817
449	184087	1828100	0	0	0	9031

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452	226714	1888138	0	0	0	9328
453	223756	1904598	0	0	0	9409
454	175062	1825089	0	0	0	9016
455	200965	1892802	0	0	0	9351
456	205921	1861783	0	0	0	9197
457	173436	2035040	0	0	0	10053
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471	191817	1864081	0	0	0	9209
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473	190086	1827335	0	0	0	9027
474	195200	1796026	0	0	0	8873
475	178034	1840925	0	0	0	9094
476	232713	1887515	0	0	0	9325
477	229755	1903978	0	0	0	9406
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688	151940	2019520	0	0	0	9977
689	156634	2067579	0	0	0	10214
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693	196304	2133323	0	0	0	10539
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697	154676	2078417	0	0	0	10268
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707	167144	2063349	0	0	0	10193
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855	205364	1982047	0	0	0	9792
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857	206229	1871748	0	0	0	9247

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863	238604	1993306	0	0	0	9847
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879	123919	1980208	0	0	0	9783
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898	120078	1988129	0	0	0	9822
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1489	142550	2075417	0	0	0	10253
1490	197402	2124189	0	0	0	10494
1491	146253	2061554	0	0	0	10184
1492	194169	2138523	0	0	0	10565
1493	176450	2091366	0	0	0	10332
1494	172111	2134048	0	0	0	10543
1495	142037	2085607	0	0	0	10303
1496	164444	2040749	0	0	0	10082
1497	150573	2024803	0	0	0	10003
1498	155979	2101602	0	0	0	10382
1499	159514	2030063	0	0	0	10029
1500	155051	2072988	0	0	0	10241
1501	147043	2082837	0	0	0	10290
1502	169105	2041333	0	0	0	10084
1503	162175	2095671	0	0	0	10353
1504	154050	2029015	0	0	0	10024
1505	164725	2036168	0	0	0	10059
1506	158904	2068122	0	0	0	10217
1507	146524	2083907	0	0	0	10295
1508	202363	2121927	0	0	0	10483
1509	199901	2134978	0	0	0	10547
1510	149058	2071002	0	0	0	10231
1511	181621	2098965	0	0	0	10369
1512	176398	2125249	0	0	0	10499
1513	147665	2076747	0	0	0	10259
1514	202517	2125491	0	0	0	10500
1515	151368	2062896	0	0	0	10191
1516	199284	2139815	0	0	0	10571
1517	181565	2092603	0	0	0	10338
1518	177226	2135427	0	0	0	10549
1519	147152	2086955	0	0	0	10310
1520	169559	2042125	0	0	0	10088
1521	155688	2026186	0	0	0	10010
1522	161094	2102944	0	0	0	10389
1523	164629	2031364	0	0	0	10035
1524	160166	2074419	0	0	0	10248
1525	152486	2085309	0	0	0	10302
1526	174548	2043857	0	0	0	10097
1527	167618	2098130	0	0	0	10365
1528	159493	2031553	0	0	0	10036
1529	170168	2038612	0	0	0	10071
1530	164347	2070701	0	0	0	10230
1531	151967	2086402	0	0	0	10307
1532	207806	2124377	0	0	0	10495
1533	205344	2137409	0	0	0	10559
1534	154501	2073516	0	0	0	10243
1535	187064	2101362	0	0	0	10381
1536	181841	2127769	0	0	0	10512
1541	-136760	6024920	0	0	0	29764

1542	-115235	6024905	0	0	0	29764
1543	-125821	7325498	0	0	0	36189
1544	-104790	7324634	0	0	0	36185
1545	33428	2781743	0	0	0	13742
1546	89537	2781210	0	0	0	13740

Risultati combinazioni maggiormente gravose:

Cmb	N	Mx	My	t.v.	Nu	Mxu	Myu	ε cls	ε acciaio	Sd/Su	Ver
n.	daN	daN cm	daN cm		daN	daN cm	daN cm	%	%		
1543	-125821	7325498	0	P	-137882	8027691	0	0.350	2.323	0.910	Ok
1543	-125821	7325498	0	M	-152927	7329425	0	0.350	2.493	0.820	Ok
1543	-125821	7325498	0	N	-125821	8584752	0	0.350	2.195	0.850	Ok

Verifiche taglio-torsione

Base Bw = 120.0, altezza H = 90.2, altezza d = 81.1 (per verific. Vx)

Base Bw = 120.0, altezza H = 90.2, altezza d = 81.1 (per verific. Vy)

Staffe = Ø 10 / 15.0, bracci: 2 dir. X, 2 dir. Y

Risultati delle verifiche:

Vx, Vy, T, N sollecitazioni (F = daN e M = daN cm)

VRsdx, VRsdy, TRsd, resistenze acciaio

VRcdx, VRcdy, TRcd, resistenze cls

Verifiche cmb. SLU

Risultati combinazioni maggiormente gravose:

Cmb	Vx	Vy	T	N	α c	Ctg θ	Verif Tot	Ver
	VRsdx	VRsdy	TRsd	Vx/VRsdx	Vy/VRsdy	T/TRsd	Verif acc	
	VRcdx	VRcdy	TRcd	Vx/VRcdx	Vy/VRcdy	T/TRcd	Verif cls	
1543 SLU	0	36189	0	0	1.000	2.50	0.4838	Ok
	74797	74797	6474717	0.0000	0.4838	0.0000	0.4838	
	213149	213149	9182402	0.0000	0.1698	0.0000	0.1698	

Verifica a taglio

Verifiche taglio-torsione

Base Bw = 120.0, altezza H = 90.2, altezza d = 81.2 (per verific. Vx)

Base Bw = 120.0, altezza H = 90.2, altezza d = 81.2 (per verific. Vy)

Staffe = Ø 10 / 15.0, bracci: 2 dir. X, 2 dir. Y

Risultati delle verifiche:

Vx, Vy, T, N sollecitazioni (F = daN e M = daN cm)

VRsdx, VRsdy, TRsd, resistenze acciaio

VRcdx, VRcdy, TRcd, resistenze cls

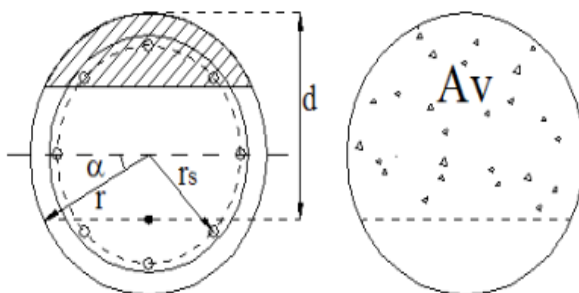
Verifiche cmb. SLU

Risultati combinazioni maggiormente gravose:

Cmb	Vx	Vy	T	N	α c	Ctg θ	Verif Tot	Ver
	VRsdx	VRsdy	TRsd	Vx/VRsdx	Vy/VRsdy	T/TRsd	Verif acc	
	VRcdx	VRcdy	TRcd	Vx/VRcdx	Vy/VRcdy	T/TRcd	Verif cls	
1541 SLU	0	22365	0	0	1.045	2.50	0.2986	Ok
	74889	74889	6474717	0.0000	0.2986	0.0000	0.2986	
	223036	223036	9182402	0.0000	0.1003	0.0000	0.1003	

15.5.3. VERIFICA A TAGLIO

Per la verifica a taglio di una sezione circolare si utilizza il metodo proposto da Clarke – Birjandi (1993).



Quindi ponendo:

d = distanza dal bordo compresso al baricentro dell'armatura longitudinale tesa;

$\text{sen}(\alpha) = 2r_s/\pi r$ con $(0 < \alpha < \pi/2)$

$A_v = r^2[\pi/2 + \alpha + \cos(\alpha)\text{sen}(\alpha)]$

$d = r[1 + \text{sen}(\alpha)]$

$b_w = A_v/d$

Metodo di Clarke - Birjandi 1993		
ϕ	1.2	m
r_s	0.515	m
c	0.075	m
d_{barre}	0.02	m
$\text{sen}\alpha$	0.546	
$\text{cos}\alpha$	0.838	
α	33.123	°
A_v	0.938	m ²
d	0.928	m
b_w	1.011	m

Si esegue la verifica considerando il valore massimo dello sforzo di taglio che risulta pari a:

$T_{\text{max}} = 362$ kN/palo.

VERIFICA SLU A TAGLIO PER ELEMENTI CON ARMATURA A TAGLIO						
<u>Calcolo del taglio resistente</u>						
classe cls		Rck		30.00		N/mm ²
resist. caratteristica cilindrica		fck		24.90		N/mm ²
coeff riduttivo per carichi lunga durata		α_{cc}		0.85		
coeff. parziale		γ_c		1.50		
resist. di calcolo a compressione		fcd		14.11		N/mm ²
resist. media trazione cls (trazione semplice)		fctm		2.56		N/mm ²
resist. media trazione cls (flessione)		fctm		3.07		N/mm ²
resist. caratteristica a trazione cls (flessione)		fck		2.15		N/mm ²
resist.caratt. snerv.acciaio		fyk		450		N/mm ²
coeff. parziale		γ_s		1.15		
resistenza di progetto		f _{yd}		391.30		N/mm ²
altezza membratura resistente a V		D		1.20		m
altezza utile sezione		d		0.93		m
larghezza membratura resist. a V		bw		1.01		m
diametro staffe 1		Ds (1)		10		mm
n bracci staffe 1		nb (1)		2		
interasse staffe 1		s (1)		16		cm
diametro staffe 2		Ds (2)		0		mm
n bracci staffe 2		nb (2)		0		
interasse staffe 2		s (2)		4		cm
area staffe 1		Asw (1)		157		
area staffe 2		Asw (2)		0		mm ²
inclinazione staffe rispetto asse		α		90		°
inclinazione bielle compresse cls		θ		22		°
coefficiente maggiorativo per compressione		α_{cc}		1		
Resistenza taglio acciaio		V_{rsd}		796		kN
Resistenza taglio cls		V_{rzd}		2072		kN
Resistenza a taglio		V_{rd}		796		kN
TAGLIO AGENTE		V_{sdu}		362		kN
				ok		
				F.S. =		2.20

Si utilizza un'armatura composta da spirale $\Phi 10/16$.

Per maggiori dettagli si rimanda alle tavole di progetto.

16. VERIFICHE GEOTECNICHE (GEO)

16.1. TEORIA ADOTTATA PER IL CALCOLO DELLA CAPACITA' PORTANTE

Solitamente la capacità portante di un palo di fondazione è valutata come somma della portata di base e della portata per attrito laterale:

$$Q_{LIM} + W_p = Q_p + Q_s$$

essendo:

Q_{LIM} = capacità portante limite totale;

Q_p = portata limite di base;

Q_s = portata limite per attrito laterale;

W_p = peso proprio del palo.

Le due componenti Q_p e Q_s sono calcolate indipendentemente una dall'altra, ossia prescindendo da ogni analisi di interazione tra la resistenza di base e quella per attrito laterale. In realtà, la suddivisione del carico trasmesso dal palo tra portata di base e portata laterale dipende:

dalla geometria del palo,

dalle caratteristiche del terreno lungo il fusto e sotto la base;

dal metodo di installazione del palo;

dall'entità del carico applicato;

dal tempo trascorso dall'istante di applicazione del carico.

16.1.1. PORTANZA LATERALE NEI TERRENI

Nel caso di pali in terreni incoerenti, e quindi di elevata permeabilità, l'analisi è svolta sempre con riferimento alle condizioni drenate e quindi in termini di tensioni efficaci.

La capacità portante per aderenza e/o per attrito laterale per un palo di diametro D e lunghezza L è per definizione:

$$Q_s = \pi \cdot D \cdot \int_0^L \tau_s \cdot dz.$$

I metodi attualmente più utilizzati sono due, il **metodo α** e il **metodo β** .

È buona norma assumere come capacità portante per attrito e/o aderenza laterale di progetto il minore dei due valori stimati.

a) Metodo α

Si assume che le tensioni tangenziali limite siano una quota parte della resistenza al taglio non drenata originaria del terreno indisturbato:

$$\tau_s = \alpha \cdot c_u$$

dove α è un coefficiente empirico di aderenza che dipende da:

- tipo di terreno;
- dalla resistenza al taglio non drenata del terreno indisturbato;
- dal metodo di costruzione del palo;
- dal tempo;
- dalla profondità;
- dal cedimento del palo.

L'Associazione Geotecnica Italiana suggerisce ad esempio di assumere per α i valori indicati nella figura che segue.

Palo	Materiale	Cu [Kpa]	α	$\alpha Cu, \max$ [Kpa]
Trivellato	Calcestruzzo	≤ 25	0.9	100
		25-50	0.6	
		50-75	0.4	
		> 75	0.2	

Figura 16-1 Valori indicativi del coefficiente di aderenza per pali in terreni coesivi saturi

) Metodo β

Si assume che le sovrappressioni interstiziali che si generano durante la messa in opera del palo si siano dissipate al momento dell'applicazione del carico, e che pertanto la tensione tangenziale limite possa essere valutata, con riferimento alle tensioni efficaci, nel modo seguente:

EQUAZIONE 1:

in cui:
$$\tau_s = \sigma'_h \cdot tg\delta = K \cdot \sigma'_{v0} \cdot tg\delta = \beta \cdot \sigma'_{v0}$$

σ'_h è la tensione efficace orizzontale nel terreno a contatto con il palo;

σ'_{v0} è la tensione efficace verticale iniziale, prima della messa in opera del palo;

K è un coefficiente di spinta, rapporto fra σ'_h e σ'_{v0} ;

$tg\delta$ è il coefficiente d'attrito palo-terreno;

β è un coefficiente, pari al prodotto $Ktg\delta$.

Se l'angolo di attrito palo - terreno, δ , fosse uguale all'angolo di resistenza al taglio del terreno, ϕ' , e se l'installazione del palo non producesse alterazioni nello stato tensionale del terreno, si avrebbe:

EQUAZIONE 2

$$K = K0 \cong (1 - \text{sen}\phi') \cdot OCR$$

Per la stima di Q_s si applica il metodo β .

Per la scelta dei valori di K e di $tg\delta$ si può fare riferimento alle indicazioni di **Errore. L'origine r**
iferimento non è stata trovata.

Altri autori (Reese e O'Neill, 1988) sulla base di un'analisi di prove di carico su pali strumentati suggeriscono di assumere, per pali trivellati, $\beta = 0,8$ fino alla profondità di 10 volte il diametro e $\beta = 0,6$ per profondità maggiori, con la limitazione $\tau_s \leq 200$ kPa.

	Tipo di palo	Valori di K		Valori di $\tan\delta$
		per stato di addensamento		
		sciolto	denso	
Battuto	profilato in acciaio	0.7	1.0	$\tan 20^\circ = 0.36$
	tubo d'acciaio chiuso	1.0	2.0	
	cls. prefabbricato	1.0	2.0	$\tan(0.75\phi')$
	cls. gettato in opera	1.0	3.0	$\tan\phi'$
	trivellato	0.4	0.5	$\tan\phi'$
	trivellato-pressato con elica continua	0.7	0.9	$\tan\phi'$

Figura 16-2 Valori di K e di $\tan\phi$ in terreni incoerenti

L'applicazione dell'eq. (1) per il calcolo delle tensioni tangenziali d'attrito di un palo in terreno sabbioso porta ad assumere una crescita lineare di τ_s con la tensione verticale efficace, e quindi con la profondità, che non è in realtà verificata. Probabilmente a causa di fenomeni d'arco (*effetto silo*), la tensione efficace orizzontale nel terreno a contatto con il palo σ'_h , e quindi anche τ_s , crescono meno che linearmente con la profondità e tendono a stabilizzarsi ad una profondità critica dipendente dal diametro del palo e dallo stato di addensamento del terreno

Stato di addensamento	Z_c / D
Sabbia molto sciolta	7
Sabbia sciolta	10
Sabbia media	14
Sabbia densa	16
Sabbia molto densa	20

Figura 16-3 Profondità critica Z_c in funzione dello stato di addensamento

16.1.2. PORTANZA DI BASE NEI TERRENI

La capacità portante di punta dei pali in terreni incoerenti è stimata con l'equazione:

EQUAZIONE 3

$$Q_p = A_p \cdot q_p = A_p \cdot \sigma'_{v0,p} \cdot N_q$$

in cui A_p è l'area di base del palo, q_p è la capacità portante unitaria, $\sigma'_{v0,p}$ è la tensione verticale efficace alla punta, N_q è un fattore di capacità portante.

Il valore di N_q dipende, a parità di angolo di resistenza al taglio, dal meccanismo di rottura ipotizzato. Nelle figure che seguono sono rappresentati diversi meccanismi di rottura proposti e i corrispondenti valori di N_q .

Come si può notare la dispersione dei valori è molto alta e crescente con il valore dell'angolo di resistenza al taglio. A titolo di esempio per $\varphi' = 35^\circ$ i valori di N_q proposti dai vari Autori sono compresi tra 55 e 500. Inoltre è molto incerta la scelta del valore di calcolo di φ' , sia perché la messa in opera del palo altera le proprietà meccaniche del terreno sia perché la stima di φ' in terreni incoerenti è indiretta e affidata a prove in sito, sia infine perché il valore di φ' dipende anche dallo stato tensionale a rottura. Per le verifiche di portanza si è fatto riferimento alla curva di N_q proposta da Berezantzev, che è una delle più cautelative.

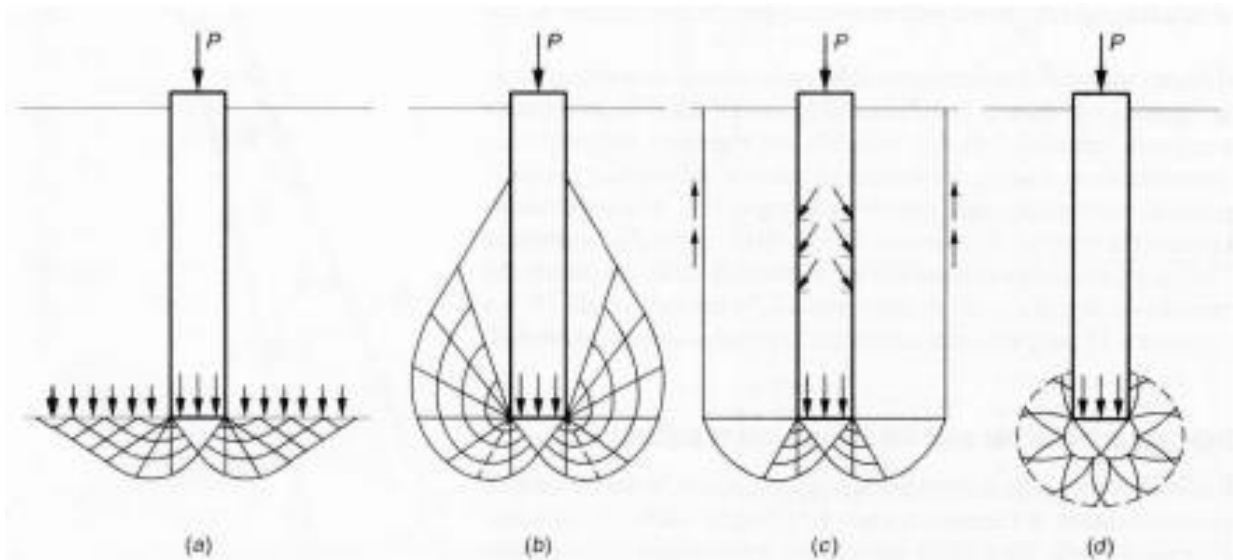


Figura 16-4 Meccanismi di rottura ipotizzati per un palo: a) Caquot, Buisiman e Terzaghi; b) Meyerhof; c) Berezantzev; d) Skempton, Yassin, Gibson e Vesic

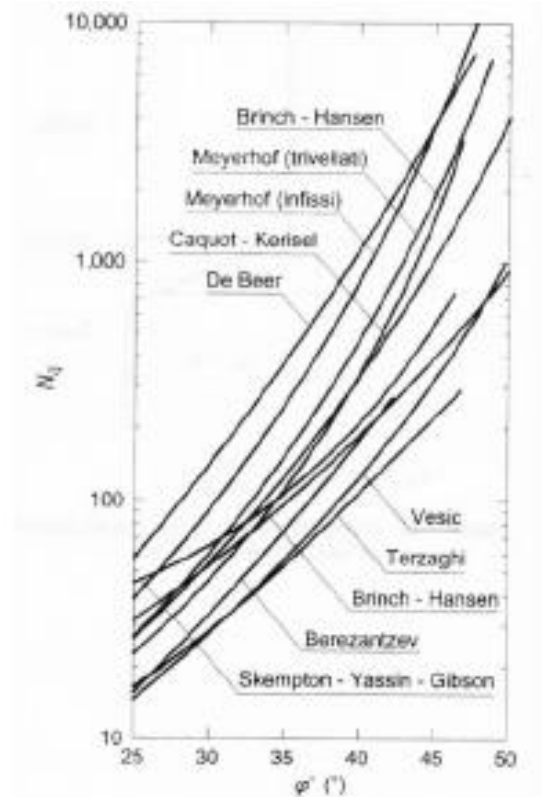
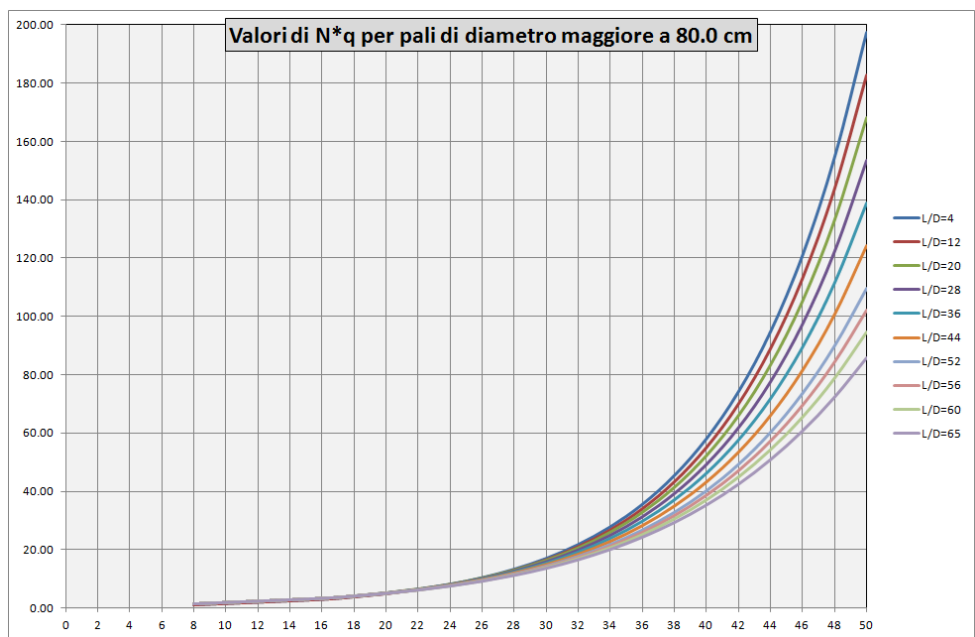
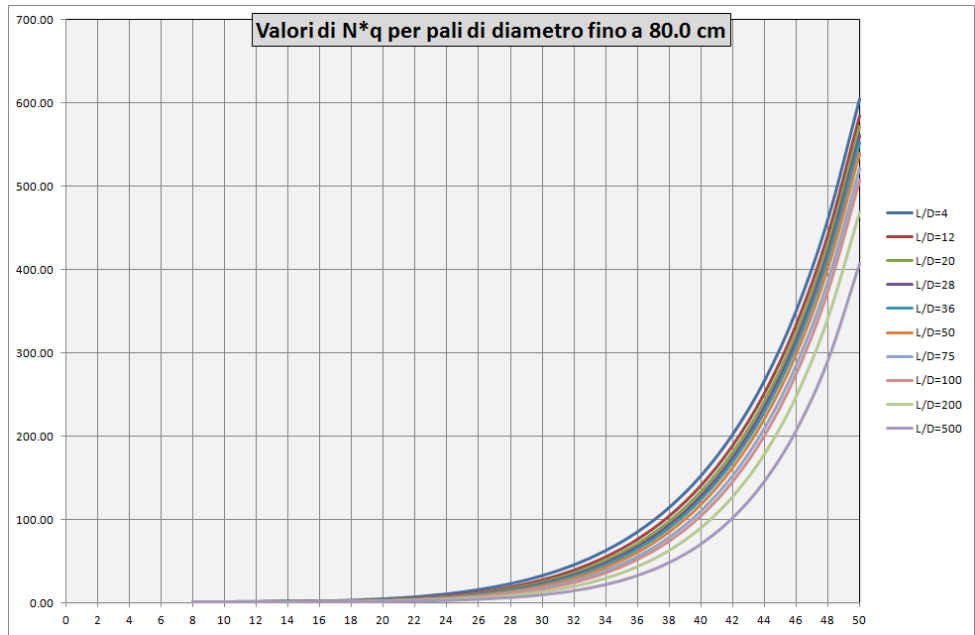


Figura 16-5 Confronto tra i valori proposti in letteratura per il fattore N_q

Formulazione di Berezantzev (1970):

Berezantzev fa riferimento ad una superficie di scorrimento “alla Terzaghi” che si arresta sul piano della punta del palo. Inoltre, considera il cilindro di terreno coassiale al palo (avente diametro pari all’estensione in sezione della superficie di scorrimento) in parte sostenuto da tensioni tangenziali dal rimanente terreno presente lungo la superficie laterale del cilindro. Conseguentemente, il valore della pressione presente alla punta del palo è inferiore alla corrispondente pressione litostatica ed è influenzata dal rapporto tra la profondità alla quale è posta la punta L del palo e il diametro D dello stesso. Quindi il valore di N_q^* è influenzato da questo effetto “Silo”. I valori che l’autore propone sono:

Se $\phi \neq 0$ (condizione drenata) si ha:



$$N_c^* = (N_q - 1) \cdot ctg(\phi)$$

Se $\phi = 0$ (condizione non drenata) si ha:

$$N_q^* = 1.00 \quad N_c^* = 9.00$$

16.1.3. STIMA DEI CEDIMENTI

Il calcolo dell'abbassamento alla punta del palo viene affrontato in base al metodo di Geddes (1969) basato a sua volta sulla soluzione di Mindlin per un carico puntiforme posto all'interno di un solido elastico, omogeneo, isotropo e semi-illimitato. Secondo tale metodo si calcola dapprima il valore della tensione di compressione in direzione verticale, prodotta dai carichi alla testa al palo, alla profondità z dal piano di campagna (al di sotto della quota di infissione del palo) ed alla distanza r dall'asse del palo.

La tensione verticale, trascurando il peso proprio del palo, viene espressa tramite la formula

$$\sigma_z = \frac{P}{D^2} K_z$$

dove P è il carico agente alla testa del palo, D è il diametro e K_z un coefficiente di sforzo che varia a seconda che il palo sia supposto portante per punta o per attrito laterale.

Nel caso di portanza esclusivamente per punta si ottiene:

$$K_z = \frac{1}{8\pi(1-\nu)} \left[\frac{(1-2\nu)(m-1)}{A^3} + \frac{(1-2\nu)(m-1)}{B^3} - \frac{3(m-1)^3}{A^5} - \frac{3(3-4\nu)m(m+1)^2 - 3(m+1)(5m-1)}{B^5} - \frac{30m(m+1)^3}{B^7} \right]$$

mentre nel caso di portanza esclusivamente per attrito laterale con resistenza nulla alla testa e linearmente variabile con la profondità si ottiene:

$$K_z = \frac{1}{4\pi(1-\nu)} \left[\frac{-2(2-\nu)(m-1)}{A} + \frac{2(2-\nu)(4m+1) - 2(1-2\nu)\left(\frac{m}{n}\right)^2(m+1)}{B} + \frac{2(1-2\nu)\frac{m^3}{n^2} - 8(2-\nu)m}{F} - \frac{mn^2 + (m-1)^3}{A^3} + \frac{4\nu n^2 m + 4m^3 - 15n^2 m - 2(5+2\nu)\left(\frac{m}{n}\right)^2(m+1)^3 + (m+1)^3}{B^3} + \frac{2(7-2\nu)mn^2 - 6m^3 + 2(5+2\nu)\left(\frac{m}{n}\right)^2 m^3}{F^3} + \frac{6mn^2(n^2 - m^2) + 12\left(\frac{m}{n}\right)^2(m+1)^5}{B^5} - \frac{12\left(\frac{m}{n}\right)^2 m^5 + 6mn^2(n^2 - m^2)}{F^5} - 2(2-\nu) \ln\left(\frac{A+m-1}{F+m} \frac{B+m+1}{F+m}\right) \right]$$

dove

$$n = \frac{r}{D}$$

$$m = \frac{z}{D}$$

$$F^2 = m^2 + n^2$$

$$A^2 = n^2 + (m-1)^2$$

$$B^2 = n^2 + (m+1)^2$$

Per ottenere il valore di σ_z occorrerà semplicemente procedere con una sovrapposizione degli effetti nella misura in cui si riterranno contribuire rispettivamente la portanza alla punta e laterale (ΔP).

Ipotizzando infine, in via semplificativa, che gli sforzi presenti nel terreno disposto al di sotto della punta del palo siano gli unici responsabili dei cedimenti si calcola l'abbassamento alla punta in funzione del modulo elastico e dello spessore dello strato (H_{terr}) soggetto a tale stato tensionale.

Per il calcolo del cedimento alla testa si aggiungerà in maniera semplificativa e cautelativa l'abbassamento dovuto alla deformazione del palo come se fosse soggetto ad uno sforzo normale N_{max} costante sull'intera lunghezza.

16.2. SPALLA B

La stratigrafia impiegata è la seguente:

	Altezza strato (m)	Modulo strato (kN/mq)	Peso Specifico (kN/mc)	Coesione (kN/mq)	Coesione non drenata (kN/mq)	angolo d'attrito (ϕ) (°)
SL3	2	30000	20	5	0	32
R-alt	5	40000	23	10	0	35
R	4	200000	24	100	0	38
R	5	200000	24	100	0	38
R	5	200000	24	100	0	38
R	5	200000	24	100	0	38
R	5	200000	24	100	0	38
R	5	200000	24	100	0	38
altezza falda	5					

Posto in h la lunghezza del palo a contatto con il litotipo dello strato i -esimo, si ha $T_i = \tau_i \times h_i$

H progressiva degli strati (m)	H progress. Falda (m)	Pressione Litost. App (kN/mq)	Pressione falda (kN/mq)	Pressione Litos. Effic. (kN/mq)	In Mezzeria Strato	
					Pressione Litost. App. (kN/mq)	Pressione Litos. Effic. (kN/mq)
2	0.00	40.00	0.00	40.00	20.00	20.00
7	2.00	155.00	20.00	135.00	97.50	87.50
11	6.00	251.00	60.00	191.00	203.00	163.00
16	11.00	371.00	110.00	261.00	311.00	226.00
21	16.00	491.00	160.00	331.00	431.00	296.00
26	21.00	611.00	210.00	401.00	551.00	366.00
31	26.00	731.00	260.00	471.00	671.00	436.00
36	31.00	851.00	310.00	541.00	791.00	506.00

16.2.1. CAPACITÀ PORTANTE CARICHI ASSIALI (SLU)

Riguardo al calcolo della capacità portante, si precisa che essa è stata calcolata considerando le soluzioni proposte da diverse autori.

Nello specifico il valore della pressione limite ultima alla base del palo è stata calcolata considerando le soluzioni proposte dalle formulazioni di Reese, di Skempton-Yassin e Berezantzev. È stato poi assunto, a favore di sicurezza, il valore minimo della pressione limite ultima alla base del palo derivante dalle diverse formulazioni considerate.

Il carico massimo sul palo nella combinazione A1 + M1 + R3 vale:

N = 3489 kN

Combinando i risultati per la portanza alla punta ed il contributo della portanza laterale si ottiene:

Strato	H	P app	P eff	φ	c'	cu	Lamier.	τ	h	T	α
2.00	2.00	20.00	20.00	32.00	5.00	0.00	1.00	13.75	0.00	0.00	0.00
5.00	7.00	97.50	87.50	35.00	10.00	0.00	1.00	52.89	5.00	996.91	0.00
4.00	11.00	203.00	163.00	38.00	100.00	0.00	1.00	189.14	4.00	2852.25	0.00
5.00	16.00	311.00	226.00	38.00	100.00	0.00	1.00	223.60	0.00	0.00	0.00
5.00	21.00	431.00	296.00	38.00	100.00	0.00	1.00	261.88	0.00	0.00	0.00
5.00	26.00	551.00	366.00	38.00	100.00	0.00	1.00	300.17	0.00	0.00	0.00
5.00	31.00	671.00	436.00	38.00	100.00	0.00	1.00	338.45	0.00	0.00	0.00
5.00	36.00	791.00	506.00	38.00	100.00	0.00	1.00	376.73	0.00	0.00	0.00

Lunghezza = **9.00** m

Diametro = **1.20** m

Area Lat = **3.77** m²

Ql =	3849.16	kN
Qp =	10744.01	kN
Q tot =	14593.17	kN

Combinazione tipo	Tipo palo	N. indagini	R med; min	ξ
M 1	battuto 0	1	med	1.70
R 3	trivellato 1			
	elica 0			

Ced amm = **3.00** cm

N max = **3489.26** kN

Q(laterale) c = **1782.27** kN

Q(laterale) t = **1997.98** kN

Q(punta) = **4494.86** kN

Q(TOTALE) = 6463.74 kN

Portanza di Punta con Berezantzev ridotto? (s/n) **s**

N.B. con (M=1 R=1 n.indagini=14) Si ha D.M. 14/3/88

Fs(0.51)

Fs(0.57)

Fs(1.29)

Fs(1.85)

P.P. palo 186.61 kN

16.2.2. STIMA CEDIMENTI VERTICALI (SLE)

Come carico di esercizio SLE si stima cautelativamente un valore pari a Nmax/1.35.

Per il carico di esercizio il cedimento atteso massimo è:

			Ks	dP	σs	
P ced = 2584.63	kN	Punta	-3.88	0.10	-12.37	kN/m ²
r = 0.20	m	Coesivo	-0.65	0.00	0.00	kN/m ²
H terr = 9.00	m	Lineare	-0.93	0.90	-26.64	kN/m ²
n = r/hp		Es =	2.00E+05	kN/m ²	-39.01	kN/m ²
m = z/Ht		Ep =	3.14E+07	kN/m ²	3086.74	kN/m ²
F = (m ² +n ²) ^{0.5}						
A = n ² +(m-1) ²						
B = (n ² +(m+1) ²) ^{0.5}						
μ = 0.35						

Calcola cedimento

dH = 1.76 mm

dH = 0.88 mm

Cedimento totale del palo = 2.64 mm

16.3. PILA 1

Si riporta ora la tabella riepilogativa della stratificazione incontrata e le caratteristiche meccaniche dei terreni.

	Altezza strato (m)	Modulo strato (kN/mq)	Peso Specifico (kN/mc)	Coesione (kN/mq)	Coesione non drenata (kN/mq)	angolo d'attrito (ϕ) (°)
SL3	2.2	4000	20	5	0	32
R-alt	3	16000	23	10	0	35
R	5	200000	24	100	0	38
R	2	200000	24	100	0	38
R	5	200000	24	100	0	38
R	5	200000	24	100	0	38
R	5	200000	24	100	0	38
R	5	200000	24	100	0	38
R	5	200000	24	100	0	38
altezza falda	2.6					

					In Mezzeria Strato	
H progressiva degli strati (m)	H progress. Falda (m)	Pressione Litost. App (kN/mq)	Pressione falda (kN/mq)	Pressione Litos. Effic. (kN/mq)	Pressione Litost. App. (kN/mq)	Pressione Litos. Effic. (kN/mq)
2.2	0.00	44.00	0.00	44.00	22.00	22.00
5.2	2.60	113.00	26.00	87.00	78.50	65.50
10.2	7.60	233.00	76.00	157.00	173.00	122.00
12.2	9.60	281.00	96.00	185.00	257.00	171.00
17.2	14.60	401.00	146.00	255.00	341.00	220.00
22.2	19.60	521.00	196.00	325.00	461.00	290.00
27.2	24.60	641.00	246.00	395.00	581.00	360.00
32.2	29.60	761.00	296.00	465.00	701.00	430.00

16.3.1. CAPACITÀ PORTANTE CARICHI ASSIALI (SLU)

Il carico massimo sul palo nella combinazione A1 + M1 + R3 vale:

N = 6011 kN

Utilizzando pali $\Phi 1200$ di lunghezza L = 9 mt si ottiene:

Posto in h la lunghezza del palo a contatto con il litotipo dello strato i-esimo, si ha $T_i = \tau_i \times h_i$

Strato	H	P app	P eff	ϕ	c'	cu	Lamier.	τ	h	T	
2.20	2.20	22.00	22.00	32.00	5.00	0.00	1.00	14.62	0.00	0.00	
3.00	5.20	78.50	65.50	35.00	10.00	0.00	1.00	42.10	3.00	476.19	
5.00	10.20	173.00	122.00	38.00	100.00	0.00	1.00	166.72	5.00	3142.64	
2.00	12.20	257.00	171.00	38.00	100.00	0.00	1.00	193.52	1.00	729.56	
5.00	17.20	341.00	220.00	38.00	100.00	0.00	1.00	220.32	0.00	0.00	
5.00	22.20	461.00	290.00	38.00	100.00	0.00	1.00	258.60	0.00	0.00	
5.00	27.20	581.00	360.00	38.00	100.00	0.00	1.00	296.88	0.00	0.00	
5.00	32.20	701.00	430.00	38.00	100.00	0.00	1.00	335.17	0.00	0.00	
									Lunghezza =	9.00	m

Riguardo al calcolo della capacità portante, si precisa che essa è stata calcolata considerando le soluzioni proposte da diverse autori.

Nello specifico il valore della pressione limite ultima alla base del palo è stata calcolata considerando la formulazione specifica per la roccia descritta nelle note teoriche precedenti. Visto che il valore fornito dalla formulazione del Berezantzev per i terreni è risultato inferiore a quello calcolato con la formulazione per le rocce, a favore di sicurezza esso è stato assunto per il calcolo della portanza di base del palo.

Combinando i risultati per la portanza alla punta ed il contributo della portanza laterale si ottiene:

Diametro =	1.20	m	Combinazione tipo		Tipo palo	N. indagini	R med; min	ξ	
Area Lat =	3.77	m ²	M	1	battuto	0	1	med	1.70
QI =	4348.39	kN	R	3	trivellato	1			
Qp =	9618.98	kN			elica	0			
Q tot =	13967.37	kN	Portanza di Punta con Berezantzev ridotto? (s/n)					s	
Ced amm=	3.00	cm	N.B.	con (M=1 R=1 n.indagini=14)					
N max =	6010.56	kN							
Q(laterale) c =	2067.04	kN	Fs(0.34)						
Q(laterale) t =	2203.51	kN	Fs(0.37)						
Q(punta) =	4034.06	kN	Fs(0.67)	P.P. palo	157.21	kN			
Q(TOTALE) =	6258.30	kN	Fs(1.04)						

16.3.2. STIMA CEDIMENTI VERTICALI (SLE)

Per il carico di esercizio il cedimento atteso massimo è:

P ced =	4452.27	kN	Ks	dP	σs	
r =	0.20	m	Punta	-3.88	0.25	-53.26 kN/m ²
H terr =	9.00	m	Coesivo	-0.65	0.00	0.00 kN/m ²
n = r/hp			Lineare	-0.93	0.75	-38.24 kN/m ²
m = z/Ht			Es =	2.00E+05	kN/m ²	-91.50 kN/m ²
F = (m ² +n ²) ^{0.5}			Ep =	3.14E+07	kN/m ²	5317.20 kN/m ²
A = n ² +(m-1) ²						dH = 4.12 mm
B = (n ² +(m+1) ²) ^{0.5}						dH = 1.52 mm
μ =	0.35					
						Cedimento totale del palo = 5.64 mm

16.4. PILA 2

Si riporta ora la tabella riepilogativa della stratificazione incontrata e le caratteristiche meccaniche dei terreni.

	Altezza strato (m)	Modulo strato (kN/mq)	Peso Specifico (kN/mc)	Coesione (kN/mq)	Coesione non drenata (kN/mq)	angolo d'attrito (ϕ) (°)
SL3	2.2	4000	20	5	0	32
SL3	1.5	4000	20	5	0	32
R-alt	2.5	16000	23	10	0	35
R	5	200000	24	100	0	38
R	5	200000	24	100	0	38
R	5	200000	24	100	0	38
R	5	200000	24	100	0	38
R	5	200000	24	100	0	38
altezza falda	3					

					In Mezzeria Strato	
H progressiva degli strati (m)	H progress. Falda (m)	Pressione Litost. App (kN/mq)	Pressione falda (kN/mq)	Pressione Litos. Effic. (kN/mq)	Pressione Litost. App. (kN/mq)	Pressione Litos. Effic. (kN/mq)
2.2	0.00	44.00	0.00	44.00	22.00	22.00
3.7	0.70	74.00	7.00	67.00	59.00	55.50
6.2	3.20	131.50	32.00	99.50	102.75	83.25
11.2	8.20	251.50	82.00	169.50	191.50	134.50
16.2	13.20	371.50	132.00	239.50	311.50	204.50
21.2	18.20	491.50	182.00	309.50	431.50	274.50
26.2	23.20	611.50	232.00	379.50	551.50	344.50
31.2	28.20	731.50	282.00	449.50	671.50	414.50

16.4.1. CAPACITÀ PORTANTE CARICHI ASSIALI (SLU)

Il carico massimo sul palo nella combinazione A1 + M1 + R3 vale:

N = 5733.2 kN

Utilizzando pali $\Phi 1200$ di lunghezza L = 9 mt si ottiene:

Posto in h la lunghezza del palo a contatto con il litotipo dello strato i-esimo, si ha $T_i = \tau_i \times h_i$

Strato	H	P app	P eff	ϕ	c'	cu	Lamier.	τ	h	T	
2.20	2.20	22.00	22.00	32.00	5.00	0.00	1.00	14.62	0.00	0.00	
1.50	3.70	59.00	55.50	32.00	5.00	0.00	1.00	29.28	1.50	165.55	
2.50	6.20	102.75	83.25	35.00	10.00	0.00	1.00	50.80	2.50	478.82	
5.00	11.20	191.50	134.50	38.00	100.00	0.00	1.00	173.56	5.00	3271.50	
5.00	16.20	311.50	204.50	38.00	100.00	0.00	1.00	211.84	0.00	0.00	
5.00	21.20	431.50	274.50	38.00	100.00	0.00	1.00	250.12	0.00	0.00	
5.00	26.20	551.50	344.50	38.00	100.00	0.00	1.00	288.41	0.00	0.00	
5.00	31.20	671.50	414.50	38.00	100.00	0.00	1.00	326.69	0.00	0.00	
									Lunghezza =	9.00	m

Riguardo al calcolo della capacità portante, si precisa che essa è stata calcolata considerando le soluzioni proposte da diverse autori.

Nello specifico il valore della pressione limite ultima alla base del palo è stata calcolata considerando la formulazione specifica per la roccia descritta nelle note teoriche precedenti. Visto che il valore fornito dalla formulazione del Berezantzev per i terreni è risultato inferiore a quello calcolato con la

formulazione per le rocce, a favore di sicurezza esso è stato assunto per il calcolo della portanza di base del palo.

B =	1.20	m.	base		Strato n° =	5
L =	1.20	m.	largh		Cu(0) - c'φ'(1)=	1
D =	11.20	m.	prof			
L/B =	1.00					
D/B =	9.333					
γ' =	15.1339	KN m ⁻³	Imposte			
q =	169.5000	KN m ⁻²	0.0			
c' =	100.00	KN m ⁻²				
φ' =	38.00	°				
Kp =	4.204			Nq	Nc	Nγ
Ka =	0.238			48.93	61.35	56.17
				qu =	6645.26	KN m ⁻²
						Nγ (V)
						78.02
FATTORI DI FORMA		FATTORI DI PROFONDITA'				
s/c =	0.200		d/c =		0.586	
sc =	1.798		dc =		1.586	
sq =	1.781		dq =		1.338	
sy =	0.600		dy =		1.000	
FATTORI DI INCLINAZIONE DEL CARICO					Hansen	Vesic
N =	1.00	Kn	i'c =		0.000	0.000
Mx =	0.00	Kn m	ic =		1.000	1.000
My =	0.00	Kn m	iq =		1.000	1.000
2ex =	0.00	m.	iy =		1.000	1.000
2ey =	0.00	m.				
B' =	1.20	m.			1.000	1.000
L' =	1.20	m.			1.000	1.000
Af =	1.44	m ²			1.000	1.000
m =	1.5					
Indic. incl	0					
FATTORI DI INCLINAZIONE DEL TERRENO (FOND. SU PENDIO)					Hansen	Vesic
i pendio =	0	°	g'c =		0.00	0.00
			gc =		1.00	1.00
			gq=gy =		1.00	1.00
FATTORI DI INCLINAZIONE DEL PIANO DI FONDAZIONE (BASE INCLINATA)						
ca =	100.00	t/m2	b'c =		0.000	0.000
μ =	0	°	bc =		1.000	1.000
N =	1.00	t/m2	bq (H)=		1.000	1.000
H =	0.00	t/m2	bγ (H)=		1.000	1.000
			bq=bγ(V)=		1.000	1.000
BEREZANTZEV-RID		Sic	2.5			
qult. = 8430.42		KN m⁻²	K fond kN/mc	K palo kN/mc	Ced amm (cm)	
qamm. = 3372.17		KN m⁻²	176085	352171	2.54	

Combinando i risultati per la portanza alla punta ed il contributo della portanza laterale si ottiene:

Diametro =	1.20	m			Combinazione tipo	Tipo palo	N. indagini	R med; min	ξ
Area Lat =	3.77	m ²			M 1	battuto 0	1	med	1.70
Ql =	3915.88	kN			R 3	trivellato 1			
Qp =	9534.60	kN			elica 0				
Q tot =	13450.49	kN			Portanza di Punta con Berezantzev ridotto? (s/n)				
Ced amm=	3.00	cm			N.B.	con (M=1 R=1 n.indagini=14)			S
N max =	5733.21	kN			Si ha D.M. 14/3/88				
Q(laterale) c =	1841.28	kN	Fs(0.32)		P.P. palo	161.73	kN		
Q(laterale) t =	2004.50	kN	Fs(0.35)						
Q(punta) =	3992.77	kN	Fs(0.70)						
Q(TOTALE) =	5995.78	kN	Fs(1.05)						

16.4.2. STIMA CEDIMENTI VERTICALI (SLE)

Come carico di esercizio SLE si stima cautelativamente un valore pari a $N_{max}/1.35$.

Per il carico di esercizio il cedimento atteso massimo è:

P ced =	4246.82	kN	Ks	dP	σs	
r =	0.20	m	Punta	-3.88	0.25	-50.80 kN/m ²
H terr =	9.00	m	Coesivo	-0.65	0.00	0.00 kN/m ²
n = r/hp			Lineare	-0.93	0.75	-36.48 kN/m ²
m = z/Ht			Es =	1.60E+05	kN/m ²	-87.28 kN/m ²
F = (m ² +n ²) ^{0.5}			Ep =	3.14E+07	kN/m ²	5071.84 kN/m ²
A = n ² +(m-1) ²						dH = 4.91 mm
B = (n ² +(m+1) ²) ^{0.5}						dH = 1.45 mm
μ =	0.35					
						Cedimento totale del palo = 6.36 mm

17. DIMENSIONAMENTO VARCHI E GIUNTI

17.1. VARCHI

Il varco deve consentire lo spostamento allo stato limite di collasso (dslc) sommato al 50% dello spostamento dovuto alla distorsione termica (dT); inoltre si deve tener conto dell'ingombro del giunto di dilatazione (dGD).

Lo spostamento longitudinale in corrispondenza della spalla B vale:

$$dtot = dslc + 0.5 \times dT = \pm 204 \text{ mm}$$

Agli spostamento sopra calcolati va sommato dGD = 20 mm, per cui si assume per il varco sulla spalla B una dimensione minima pari a 204+20 = 224 mm; si assume un varco di 260 mm.

17.2. GIUNTI

Per il giunto si assume un'escursione longitudinale e trasversale valutata come descritto qui di seguito:

$$dlong = \max(dES, dSLD + 0.5 \times dT) = \pm \max(108, 68) = \pm 108 \text{ mm}$$

$$dtrasv = \max(dES, dSLD + 0.5 \times dT) = \pm \max(234, 68) = \pm 234 \text{ mm}$$

dove:

dES è lo spostamento in esercizio valutato col modello di calcolo;

dSLD è lo spostamento allo stato limite di danno;
dT è lo spostamento dovuto alla termica uniforme.