



Green Power

Engineering & Construction



Via Napoli, 363/l – 70132 Bari – Italy
www.bfpgroup.net – info@bfpgroup.net
 tel. (+39) 0805046361 – fax (+39) 0805619384
AZIENDA CON SISTEMA GESTIONE
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TITLE: STUDIO EVOLUZIONE DELL'OMBRA_Shadow flickering

AVAILABLELANGUAGE: IT

STUDIO EVOLUZIONE DELL'OMBRA "SHADOW FLICKERING" SALICE SALENTINO-VEGLIE

File: GRE.EEC.R.25.IT. W.15000.00.020.00 STUDIO EVOLUZIONE DELL'OMBRA

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CLASSIFICATION						UTILIZATION SCOPE														

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1. **PREMESSA**

La presente relazione tecnica specialistica descrive l'evoluzione giornaliera delle ombre generate dalle pale eoliche degli aerogeneratori facenti parte del progetto per la realizzazione di un parco eolico proposto dalla società Enel Green Power Italia s.r.l., con sede legale in viale Regina Margherita n. 125, Roma.

La proposta progettuale è finalizzata alla realizzazione di n° 14 aerogeneratori del tipo Siemens Gamesa SG 6.0 -170, ciascuna di potenza nominale pari a 6.0 MW, per una potenza complessiva pari a 84.0 MW, da realizzarsi nei territori comunali di Salice Salentino e Veglie, in provincia di Lecce, in cui saranno ubicati gli aerogeneratori di progetto, i cavidotti di interconnessione interna, e parte del cavidotto esterno, mentre nei territori comunali di Avetrana in provincia di Taranto e di San Pancrazio Salentino ed Erchie, entrambi in provincia di Brindisi, ricadrà la restante parte del cavidotto esterno.

La Sottostazione Utente di trasformazione AT/MT, in posizione adiacente alla stazione elettrica HV 380/150kV Terna Substation "ERCHIE", sarà ubicata nel territorio comunale di Erchie (BR).

2. **DESCRIZIONE DELL'INTERVENTO**

L'impianto di progetto sarà localizzato in un'area situata rispettivamente a Ovest dell'abitato di Salice Salentino, a una distanza dal centro abitato di circa 7,7 km, a Nord-Ovest dell'abitato di Veglie, a una distanza dal centro abitato di circa 7,0 km, a Sud dell'abitato di San Pancrazio Salentino, a una distanza dal centro abitato di circa 1,6 km, e a Nord-Est dell'abitato di Avetrana, a una distanza dal centro abitato di circa 5,5 km.

Le WTGs SV01, SV02, SV03, SV04, SV05, SV06, SV07, SV08, SV11, e SV12 saranno ubicate nel territorio comunale di Salice Salentino, nelle località riportanti i seguenti toponimi di riferimento: "Iacorizzo", "Contrada Grassi", "Contrada Mazzetta", "Masseria Morigine Piccolo", "Masseria Grassi", "Masseria Mazzetta", "Masseria Fontanelle"; mentre le WTGs SV09, SV10, SV13, e SV14 saranno ubicate nel territorio comunale di Veglie, nelle località "Cantalupi" e "Masseria Nova".

I terreni interessati dall'impianto di progetto hanno una superficie complessiva di circa 1.040 ettari, anche se la quantità di suolo effettivamente occupato sarà significativamente inferiore e limitato alle aree di piazzole dove verranno installati gli aerogeneratori, come visibile sugli elaborati planimetrici allegati al progetto.

L'area di progetto, intesa come l'area occupata dagli aerogeneratori con annesse piazzole, viabilità di accesso di nuova costruzione, relativi cavidotti di interconnessione interna, e parte del cavidotto esterno, cioè l'elettrodotta che collega il parco eolico alla Sottostazione Elettrica di trasformazione e consegna, interessa il territorio comunale di Salice Salentino, censito al NCT ai fogli di mappa nn. 1, 2, 6, 7, 9, 10, 12, e 13, e il territorio comunale di Veglie, censito al NCT ai fogli di mappa nn. 1 e 2; la restante parte del cavidotto esterno di connessione elettrica ricade nei territori comunali di Avetrana, censito al NCT ai fogli di mappa nn. 20 e

30, San Pancrazio Salentino, censito al NCT ai fogli di mappa nn. 44, 45, 46, e 49, ed Erchie dove sarà ubicata anche la sottostazione utente di trasformazione AT/MT e consegna, in posizione adiacente alla sottostazione elettrica HV 380/150kv Terna Substation "ERCHIE", quest'ultima censita ai fogli di mappa nn. 33, 37, 38, e 39.

Nella seguente immagine, si riporta uno stralcio aerofotogrammetrico dell'area del parco eolico oggetto del presente studio.

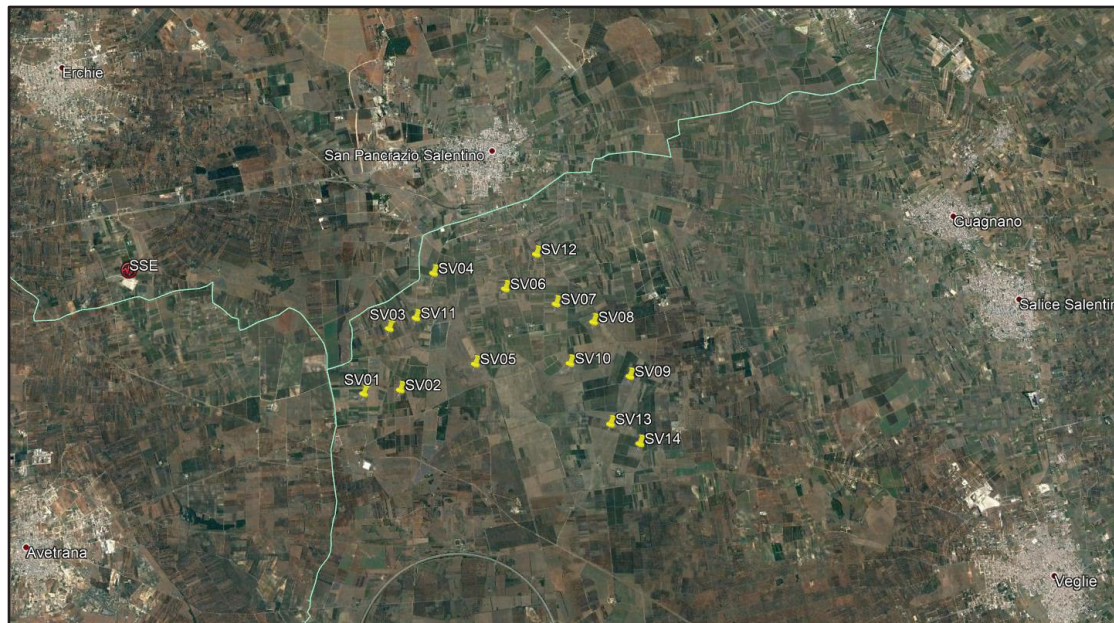


Figura 1: Area WF Salice Salentino – Veglie (Google Earth)

Di seguito, si riporta la tabella riepilogativa in cui sono indicate per ciascun aerogeneratore le relative coordinate (WGS84 – UTM zone 33N) e le particelle catastali, con riferimento al Catasto Terreni dei comuni interessati dalle opere di progetto.

WTG	COORDINATE GEOGRAFICHE UTM33 WGS84		COORDINATE PLANIMETRICHE UTM33 WGS84		DATI CATASTALI		
	LATITUDINE	LONGITUDINE	EST (X)	NORD (Y)	Comune	Foglio	P.IIa
SV01	40°22'24.64"	17°48'22.80"	738253,00	4472996,00	Salice Salentino	7	153
SV02	40°22'25.73"	17°48'54.18"	738992,00	4473053,00	Salice Salentino	9	161
SV03	40°23'6.51"	17°48'46.59"	738773,00	4474305,00	Salice Salentino	6	124
SV04	40°23'41.59"	17°49'26.90"	739689,00	4475417,00	Salice Salentino	1	185
SV05	40°22'39.90"	17°49'59.39"	740516,00	4473539,00	Salice Salentino	10	13
SV06	40°23'28.41"	17°50'28.39"	741152,00	4475057,00	Salice Salentino	12	463
SV07	40°23'16.45"	17°51'11.53"	742181,00	4474721,00	Salice Salentino	12	365
SV08	40°23'3.15"	17°51'43.07"	742938,00	4474335,00	Salice Salentino	13	165
SV09	40°22'26.04"	17°52'11.34"	743642,00	4473212,00	Veglie	1	14
SV10	40°22'36.82"	17°51'20.71"	742437,00	4473506,00	Veglie	1	202
SV11	40°23'12.49"	17°49'9.99"	739319,00	4474507,00	Salice Salentino	6	528
					Salice Salentino	6	525

SV12	40°23'50.44"	17°50'56.85"	741801,00	4475758,00	Salice Salentino	2	52
SV13	40°21'55.74"	17°51'52.25"	743222,00	4472263,00	Veglie	2	109
SV14	40°21'42.04"	17°52'16.17"	743800,00	4471859,00	Veglie	2	58

Tabella 1: Dati geografici e catastali degli Aereogeneratori

3. ANALISI DELL'ESPOSIZIONE SOLARE ANNUALE

La posizione occupata nel cielo dal sole è compiutamente individuata mediante la misura di due coordinate angolari, azimut ed elevazione (altezza). L'azimut viene misurato, in senso orario, sul piano orizzontale, a partire dal nord geografico fino al punto sull'orizzonte direttamente sotto all'oggetto; l'elevazione, invece, viene misurata sul piano verticale, partendo da tale punto sino ad arrivare in corrispondenza dell'oggetto. A causa del moto della Terra intorno al sole, tali coordinate variano senza soluzione di continuità e la traiettoria descritta nel cielo dal sole è assimilabile ad un arco; ogni giorno si caratterizza

per un proprio arco, il quale si discosta, se pur di poco, da quello del giorno immediatamente precedente e successivo. Ad ogni modo, si può affermare che un certo arco si ripete quasi esattamente ogni anno. Dicesi giorno l'intervallo di tempo nel quale giunge al suolo luce solare diretta per cui, la sua durata è pari al tempo che intercorre tra alba e tramonto.

La durata del giorno non coincide con la durata della luce naturale dato che sia prima dell'alba che dopo il tramonto sono rilevabili due periodi, chiamati entrambi crepuscolo (rispettivamente crepuscolo mattutino e crepuscolo serale o serotino), durante i quali giunge a terra una luce diffusa naturale fornita dai livelli più esterni dell'atmosfera i quali, trovandosi a quote più elevate, ricevono infatti luce solare diretta per un tempo più lungo riflettendola in parte verso la terra. Per quanto detto, la durata dell'illuminazione solare è pari alla somma della durata del giorno e della durata del crepuscolo mattutino e serale. Se non si verificasse il fenomeno descritto, il passaggio dal giorno alla notte e viceversa avverrebbe in maniera repentina.

4. VALUTAZIONE PREVENTIVA DELLE OMBRE GENERATE

Le turbine eoliche, come altre strutture spiccatamente sviluppate in altezza, proiettano ombra sulle aree adiacenti in presenza della luce solare diretta. In particolare, si hanno fenomeni quasi statici legati alla presenza della torre fissa ed effetti dinamici legati alla rotazione del rotore con le sue tre pale.

Il primo fenomeno potrebbe avere come conseguenza l'incremento della probabilità di formazione di ghiaccio sulle strade asfaltate soggette a rilevante traffico (se presenti) in particolare nelle prime ed ultime ore del giorno.

Il secondo fenomeno è legato alla presenza di un osservatore posto in modo da vedere interposto il rotore tra sé e il sole. Si precisa che i fenomeni di ombreggiamento descritti attualmente non sono regolati da una specifica normativa.

Ai fini della presente trattazione è stato preso in considerazione un modello tipologico di aerogeneratore avente un'altezza massima (altezza al mozzo + lunghezza della pala) pari a 220 m, dato che l'aerogeneratore di progetto non avrà un'altezza massima superiore a tale valore.

È stato stimato l'effetto "flicker" prodotto dall'impianto eolico; trattasi di un fenomeno per

cui si genera un'intermittenza dell'ombra (una sorta di effetto stroboscopico) a seguito del movimento del rotore dell'aerogeneratore quando è in esercizio (in particolare quando il piano del rotore risulta perpendicolare alla congiungente tra l'osservatore e il sole), e che potrebbe risultare spiacevole per un osservatore.

Per tale analisi è stato impiegato il software WindPRO.

Nel calcolo sono state assunte le seguenti ipotesi ampiamente conservative (caso peggiore – worst case):

- Sole spendente tutto il giorno e per tutto l'anno;
- Impianto costantemente in funzione (presenza costante di vento);
- Piano del rotore sempre ortogonale alla congiungente tra l'osservatore e il sole;
- Altezza minima del sole sull'orizzonte pari a 3°;
- Effetto dell'ombra proiettata fino a una distanza di 2000 m dalle torri;
- Totale assenza di ostacoli o schermi vegetazionali presenti negli spazi circostanti i possibili recettori.

Il report di calcolo restituisce un grafico finale che riporta in pianta il numero massimo di ore/anno in cui ad altezza dell'occhio umano si verifica l'effetto flicker descritto. Tale numero è rappresentato graficamente sul territorio con aree di diverse sfumature di colore in base al numero di ore/anno di possibile effetto flicker.

Di seguito, viene allegato il calcolo dell'evoluzione dell'ombra per i fabbricati destinati a "civile abitazione" maggiormente coinvolti dall'effetto flicker, presenti nel raggio di 1 km.

Dai tabulati è possibile verificare che, nonostante siano assunte le condizioni peggiorative assolute, cioè:

- sole sempre presente, ovvero soleggiamento massimo in tutti i giorni dell'anno;
- pale eoliche sempre in rotazione;
- orientamento delle finestre sempre in direzione delle turbine ("modalità serra");
- dimensione tipica finestra 1,5x1,5 m, in tutte le esposizioni, altezza della finestra da terra 1m;
- altezza occhio umano 1,5m;

l'effetto ombra è modesto per gli immobili presenti nell'area di progetto, infatti:

- **la massima durata dell'ombra all'anno è di circa 126 ore/anno con un ombreggiamento giornaliero massimo di 1,33 ore/giorno;**
- **sempre dai tabulati risulta che la media di ombreggiamento sui recettori è inferiore ad 1 ora/giorno.**

Risultati dei calcoli

Recettore d'ombra

Ombra, caso peggiore

n.	Ore d'ombra per anno [ore/anno]	Giorni con ombra per anno [giorni/anno]	Massima durata dell'ombra per giorno [ore/giorno]
B1	0:00	0	0:00
B2	68:29	115	0:57
B3	44:59	107	0:42
B4	0:00	0	0:00
B5	0:00	0	0:00
F12-P164	6:01	27	0:20
F12-P167	6:30	29	0:20
F12-P475	99:13	171	0:52
F12-P500	65:18	151	0:42
F13-P167	72:38	120	0:57
F14-P276	23:41	68	0:29
F14-P562	0:00	0	0:00
F14-P566	0:00	0	0:00
F14-P660	0:00	0	0:00
F2-P9	47:15	99	0:44
F3-P505	65:11	115	0:48
F4-P1	0:00	0	0:00
F4-P1237	0:00	0	0:00
F8-P220	0:00	0	0:00
F9-P475	126:42	159	1:33

Figura 2: Risultati dei calcoli

Si riporta la carta dello shadow flickering con indicazione del recettore più esposto (riquadro in rosso); per maggior dettagli si rimanda ai tabulati di calcolo allegati.

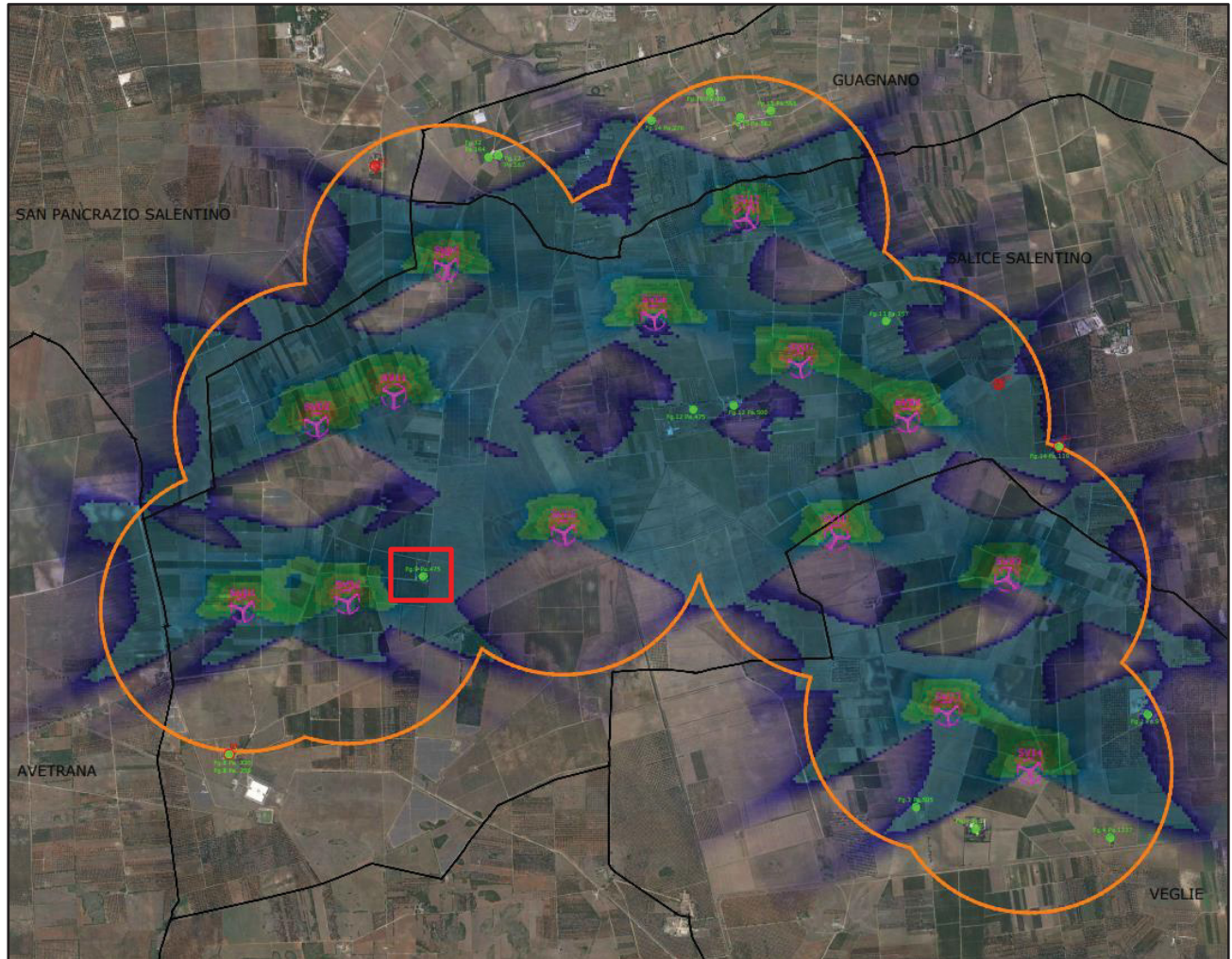
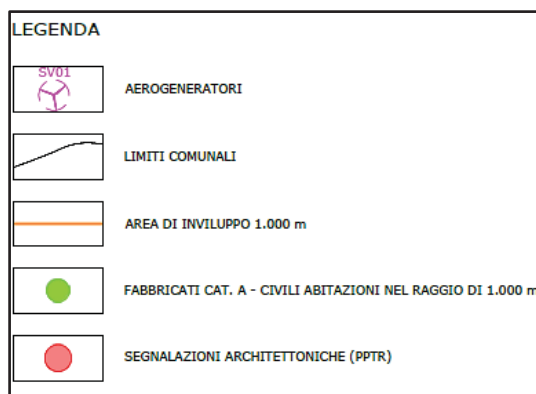


Figura 3: Carta dell'evoluzione dell'ombra giornaliera - Shadow Flickering



Foglio	P.IIa	EST (X)	NORD (Y)	Categoria	Note	Comune
9	475	739521	4473238	A/3	Abitazioni di tipo economico	Salice Salentino
13	167	742783	4475071	A/10	Uffici e studi privati	Salice Salentino
3	505	742998	4471609	A/3	Abitazioni di tipo economico	Veglie
4	1	743415	4471455	A/2	Abitazioni di tipo civile	Veglie
8	220	738151	4471993	A/3	Abitazioni di tipo economico	Salice Salentino
8	259	738151	4471993	A/3	Abitazioni di tipo economico	Salice Salentino
4	1237	744374	4471385	A/7	Abitazioni in villini	Veglie
2	9	744632	4472261	A/3	Abitazioni di tipo economico	Veglie
12	164	739992	4476186	A/3	Abitazioni di tipo economico	Guagnano
12	167	740037	4476195	A/2	Abitazioni di tipo civile	Guagnano
12	500	741714	4474438	A/2	Abitazioni di tipo civile	Salice Salentino
12	475	741429	4474411	A/3	Abitazioni di tipo economico	Salice Salentino
14	119	744006	4474150	A/3	Abitazioni di tipo economico	Salice Salentino
14	276	741135	4476447	A/3	Abitazioni di tipo economico	Guagnano
15	660	741548	4476650	A/3	Abitazioni di tipo economico	Guagnano
15	562	741763	4476471	A/4	Abitazioni di tipo popolare	Guagnano
15	566	741981	4476517	A/4	Abitazioni di tipo popolare	Guagnano

5. CONCLUSIONI

Per quanto concerne l'effetto "flickering", quindi, valutando i risultati ottenuti in relazione al contesto antropico locale, si può affermare che il fenomeno non ha impatti negativi sul territorio, dove i fabbricati adibiti a civile abitazione sono in numero limitato e a distanze sempre superiori a 500 metri dagli aerogeneratori di progetto, distanze oltre le quali il fenomeno di ombreggiamento si può considerare praticamente modesto o nullo.



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TABULATI DI CALCOLO

SHADOW - Risultato principale

Calcolo: Flickering Salice su Recettori

Assunzioni sui calcoli d'ombra

Distanza massima di influenza

Calcola solo quando oltre il 20% del sole è coperto dalla pala

Consultare la tabella delle WTG

Altezza minima del sole sull'orizzonte 3 °
 Passo giornaliero del calcolo 1 giorni
 Passo temporale del calcolo 1 minuti
 I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

Per evitare di considerare l' ombreggiamento da WTG in realtà non direttamente visibili, prima del calcolo dell' ombra viene eseguito un calcolo ZVI. Quest' ultimo si basa sulle seguenti assunzioni.

Curve altimetriche usate: Height Contours: CONTOURLINE_ONLINEDATA_0.W

Ostacoli usati:

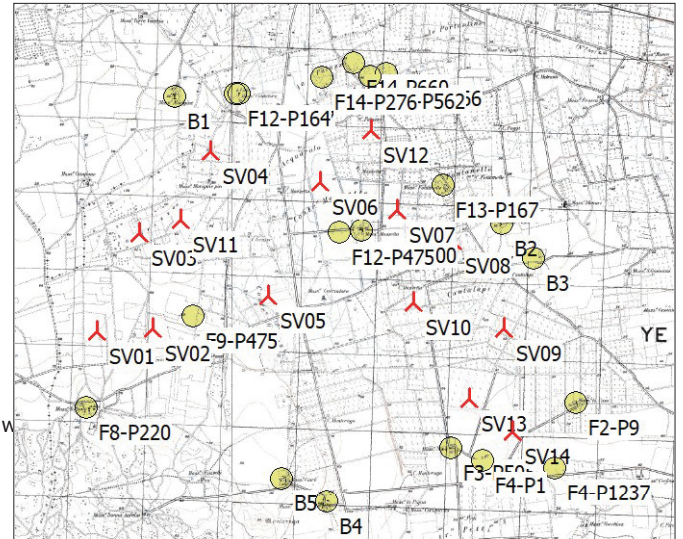
Altezza dell'osservatore, nelle mappe:: 1,5 m

Risoluzione del grigliato: 1,0 m

Tutte le coordinate sono in UTM (north)-WGS84 Zona: 33

WTG

	Easting	Northing	Z	Dati/Descrizione	Tipo di WTG		Tipo generatore	Potenza nominale	Diametro rotore	Altezza mozzo	Dati di ombra	
					Valida	Produttore					Distanza di calcolo	giri/min
			[m]				[kW]	[m]	[m]	[m]	[giri/min]	
SV01	738.253	4.472.996	70,0	Siemens Games... Si	Siemens Gamesa	SG 6.0-170_user-6.200	6.200	170,0	135,0	2.040	8,8	
SV02	738.992	4.473.053	71,4	Siemens Games... Si	Siemens Gamesa	SG 6.0-170_user-6.200	6.200	170,0	135,0	2.040	8,8	
SV03	738.773	4.474.305	61,7	Siemens Games... Si	Siemens Gamesa	SG 6.0-170_user-6.200	6.200	170,0	135,0	2.040	8,8	
SV04	739.689	4.475.417	62,7	Siemens Games... Si	Siemens Gamesa	SG 6.0-170_user-6.200	6.200	170,0	135,0	2.040	8,8	
SV05	740.516	4.473.539	70,0	Siemens Games... Si	Siemens Gamesa	SG 6.0-170_user-6.200	6.200	170,0	135,0	2.040	8,8	
SV06	741.152	4.475.057	65,0	Siemens Games... Si	Siemens Gamesa	SG 6.0-170_user-6.200	6.200	170,0	135,0	2.040	8,8	
SV07	742.181	4.474.721	62,3	Siemens Games... Si	Siemens Gamesa	SG 6.0-170_user-6.200	6.200	170,0	135,0	2.040	8,8	
SV08	742.938	4.474.335	60,0	Siemens Games... Si	Siemens Gamesa	SG 6.0-170_user-6.200	6.200	170,0	135,0	2.040	8,8	
SV09	743.642	4.473.212	59,0	Siemens Games... Si	Siemens Gamesa	SG 6.0-170_user-6.200	6.200	170,0	135,0	2.040	8,8	
SV10	742.437	4.473.506	61,0	Siemens Games... Si	Siemens Gamesa	SG 6.0-170_user-6.200	6.200	170,0	135,0	2.040	8,8	
SV11	739.319	4.474.507	64,9	Siemens Games... Si	Siemens Gamesa	SG 6.0-170_user-6.200	6.200	170,0	135,0	2.040	8,8	
SV12	741.801	4.475.758	60,0	Siemens Games... Si	Siemens Gamesa	SG 6.0-170_user-6.200	6.200	170,0	135,0	2.040	8,8	
SV13	743.222	4.472.263	60,0	Siemens Games... Si	Siemens Gamesa	SG 6.0-170_user-6.200	6.200	170,0	135,0	2.040	8,8	
SV14	743.800	4.471.859	60,0	Siemens Games... Si	Siemens Gamesa	SG 6.0-170_user-6.200	6.200	170,0	135,0	2.040	8,8	



Scala 1:100.000
 Nuova WTG (red triangle)
 Recettore d'ombra (yellow circle)

Recettore d'ombra-Immissione dati

n.	Easting	Northing	Z	Ampiezza	Height	Altezza s.l.t.	Inclinazione della finestra	Modo orientazione	Altezza osservatore
			[m]	[m]	[m]	[m]	[°]		[m]
B1	739.186	4.476.128	60,0	2,0	2,0	0,5	90,0	"Modalità serra"	2,5
B2	743.579	4.474.591	59,0	2,0	2,0	0,5	90,0	"Modalità serra"	2,5
B3	744.006	4.474.150	55,1	2,0	2,0	0,5	90,0	"Modalità serra"	2,5
B4	741.370	4.470.843	73,1	2,0	2,0	0,5	90,0	"Modalità serra"	2,5
B5	740.771	4.471.127	81,0	2,0	2,0	0,5	90,0	"Modalità serra"	2,5
F12-P164	739.992	4.476.186	60,0	2,0	2,0	0,5	90,0	"Modalità serra"	2,5
F12-P167	740.037	4.476.195	60,0	2,0	2,0	0,5	90,0	"Modalità serra"	2,5
F12-P475	741.428	4.474.411	67,8	2,0	2,0	0,5	90,0	"Modalità serra"	2,5
F12-P500	741.714	4.474.438	66,0	2,0	2,0	0,5	90,0	"Modalità serra"	2,5
F13-P167	742.783	4.475.071	59,4	2,0	2,0	0,5	90,0	"Modalità serra"	2,5
F14-P276	741.135	4.476.447	60,0	2,0	2,0	0,5	90,0	"Modalità serra"	2,5
F14-P562	741.763	4.476.471	60,0	2,0	2,0	0,5	90,0	"Modalità serra"	2,5
F14-P566	741.981	4.476.517	60,0	2,0	2,0	0,5	90,0	"Modalità serra"	2,5
F14-P660	741.548	4.476.650	60,0	2,0	2,0	0,5	90,0	"Modalità serra"	2,5
F2-P9	744.632	4.472.261	58,4	2,0	2,0	0,5	90,0	"Modalità serra"	2,5
F3-P505	742.998	4.471.609	60,0	2,0	2,0	0,5	90,0	"Modalità serra"	2,5
F4-P1	743.415	4.471.455	60,0	2,0	2,0	0,5	90,0	"Modalità serra"	2,5
F4-P1237	744.374	4.471.385	60,0	2,0	2,0	0,5	90,0	"Modalità serra"	2,5

continua alla pagina successiva...

SHADOW - Risultato principale

Calcolo: Flickering Salice su Recettori

... continua dalla pagina precedente

n.	Eastings	Northing	Z	Ampiezza	Height	Altezza s.l.t.	Inclinazione della finestra	Modo orientazione	Altezza osservatore
			[m]	[m]	[m]	[m]	[°]		[m]
F8-P220	738.151	4.471.993	80,2	2,0	2,0	0,5	90,0	"Modalità serra"	2,5
F9-P475	739.521	4.473.238	70,0	2,0	2,0	0,5	90,0	"Modalità serra"	2,5

Risultati dei calcoli

Recettore d'ombra

Ombra, caso peggiore

n.	Ore d'ombra per anno [ore/anno]	Giorni con ombra per anno [giorni/anno]	Massima durata dell'ombra per giorno [ore/giorno]
B1	0:00	0	0:00
B2	68:29	115	0:57
B3	44:59	107	0:42
B4	0:00	0	0:00
B5	0:00	0	0:00
F12-P164	6:01	27	0:20
F12-P167	6:30	29	0:20
F12-P475	99:13	171	0:52
F12-P500	65:18	151	0:42
F13-P167	72:38	120	0:57
F14-P276	23:41	68	0:29
F14-P562	0:00	0	0:00
F14-P566	0:00	0	0:00
F14-P660	0:00	0	0:00
F2-P9	47:15	99	0:44
F3-P505	65:11	115	0:48
F4-P1	0:00	0	0:00
F4-P1237	0:00	0	0:00
F8-P220	0:00	0	0:00
F9-P475	126:42	159	1:33

Ombreggiamento totale sui recettori d'ombra causato da ciascuna WTG

n.	Nome	Caso peggiore [ore/anno]
SV01	Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (1)	14:22
SV02	Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (2)	78:47
SV03	Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (3)	0:00
SV04	Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (4)	17:59
SV05	Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (5)	74:54
SV06	Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (6)	8:30
SV07	Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (7)	164:23
SV08	Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (8)	100:11
SV09	Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (9)	0:00
SV10	Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (10)	8:41
SV11	Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (11)	0:00
SV12	Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (12)	12:47
SV13	Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (13)	12:08
SV14	Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (14)	100:18

I tempi totali possono differire tra le tabelle per turbina e quelle per recettore, in quanto ciascuna WTG può dare ombreggiamento su 2 o più recettori contemporaneamente, e/o un recettore può subire ombreggiamento da 2 o più WTGs contemporaneamente.

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** B1 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (12)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:12 16:33	07:00 17:06	06:25 17:40	06:35 19:13	05:50 19:44	05:22 20:13	05:22 20:23	05:46 20:05	06:16 19:23	06:45 18:33	06:18 16:47	06:52 16:24
2	07:12 16:34	06:59 17:08	06:23 17:41	06:33 19:14	05:49 19:45	05:21 20:13	05:23 20:23	05:47 20:04	06:17 19:21	06:46 18:31	06:19 16:46	06:53 16:23
3	07:13 16:35	06:58 17:09	06:21 17:42	06:31 19:15	05:47 19:46	05:21 20:14	05:23 20:23	05:48 20:03	06:17 19:20	06:47 18:30	06:20 16:45	06:54 16:23
4	07:13 16:35	06:57 17:10	06:20 17:43	06:30 19:16	05:46 19:47	05:20 20:15	05:24 20:23	05:48 20:02	06:18 19:18	06:48 18:28	06:21 16:44	06:55 16:23
5	07:13 16:36	06:56 17:11	06:18 17:44	06:28 19:17	05:45 19:48	05:20 20:15	05:24 20:23	05:49 20:01	06:19 19:16	06:49 18:27	06:23 16:43	06:56 16:23
6	07:13 16:37	06:55 17:13	06:17 17:45	06:27 19:18	05:44 19:49	05:20 20:16	05:25 20:22	05:50 19:59	06:20 19:15	06:50 18:25	06:24 16:42	06:57 16:23
7	07:13 16:38	06:54 17:14	06:15 17:46	06:25 19:19	05:42 19:50	05:20 20:17	05:26 20:22	05:51 19:58	06:21 19:13	06:51 18:23	06:25 16:40	06:58 16:23
8	07:13 16:39	06:52 17:15	06:14 17:48	06:23 19:20	05:41 19:51	05:19 20:17	05:26 20:22	05:52 19:57	06:22 19:11	06:52 18:22	06:26 16:39	06:59 16:23
9	07:12 16:40	06:51 17:16	06:12 17:49	06:22 19:21	05:40 19:52	05:19 20:18	05:27 20:22	05:53 19:56	06:23 19:10	06:53 18:20	06:27 16:38	07:00 16:23
10	07:12 16:41	06:50 17:17	06:11 17:50	06:20 19:22	05:39 19:53	05:19 20:18	05:27 20:21	05:54 19:55	06:24 19:08	06:54 18:19	06:28 16:37	07:01 16:23
11	07:12 16:42	06:49 17:19	06:09 17:51	06:19 19:23	05:38 19:54	05:19 20:19	05:28 20:21	05:55 19:53	06:25 19:06	06:55 18:17	06:30 16:36	07:01 16:23
12	07:12 16:43	06:48 17:20	06:07 17:52	06:17 19:24	05:37 19:55	05:19 20:19	05:29 20:20	05:56 19:52	06:26 19:05	06:56 18:15	06:31 16:35	07:02 16:23
13	07:11 16:44	06:47 17:21	06:06 17:53	06:16 19:25	05:36 19:56	05:19 20:20	05:30 20:20	05:57 19:51	06:27 19:03	06:57 18:14	06:32 16:35	07:03 16:23
14	07:11 16:45	06:45 17:22	06:04 17:54	06:14 19:26	05:35 19:57	05:18 20:20	05:30 20:19	05:58 19:49	06:28 19:01	06:58 18:12	06:33 16:34	07:04 16:23
15	07:11 16:46	06:44 17:23	06:03 17:55	06:12 19:27	05:34 19:58	05:18 20:21	05:31 20:19	05:59 19:48	06:29 19:00	06:59 18:11	06:34 16:33	07:05 16:23
16	07:10 16:48	06:43 17:25	06:01 17:56	06:11 19:28	05:33 19:59	05:18 20:21	05:32 20:18	06:00 19:47	06:30 18:58	07:00 18:09	06:35 16:32	07:05 16:24
17	07:10 16:49	06:41 17:26	05:59 17:57	06:09 19:29	05:32 20:00	05:18 20:22	05:33 20:18	06:01 19:45	06:31 18:56	07:01 18:08	06:37 16:31	07:06 16:24
18	07:10 16:50	06:40 17:27	05:58 17:58	06:08 19:30	05:31 20:01	05:19 20:22	05:33 20:17	06:02 19:44	06:32 18:55	07:02 18:06	06:38 16:30	07:07 16:24
19	07:09 16:51	06:39 17:28	05:56 17:59	06:06 19:31	05:30 20:02	05:19 20:22	05:34 20:16	06:03 19:42	06:33 18:53	07:03 18:05	06:39 16:30	07:07 16:25
20	07:09 16:52	06:37 17:29	05:54 18:00	06:05 19:32	05:29 20:03	05:19 20:22	05:35 20:16	06:04 19:41	06:34 18:51	07:04 18:03	06:40 16:29	07:08 16:25
21	07:08 16:53	06:36 17:31	05:53 18:01	06:04 19:33	05:29 20:03	05:19 20:23	05:36 20:15	06:05 19:40	06:35 18:50	07:06 18:02	06:41 16:28	07:08 16:26
22	07:07 16:54	06:35 17:32	05:51 18:02	06:02 19:34	05:28 20:04	05:19 20:23	05:37 20:14	06:06 19:38	06:36 18:48	07:07 18:01	06:42 16:28	07:09 16:26
23	07:07 16:56	06:33 17:33	05:49 18:03	06:01 19:36	05:27 20:05	05:19 20:23	05:38 20:13	06:07 19:37	06:37 18:46	07:08 17:59	06:43 16:27	07:09 16:27
24	07:06 16:57	06:32 17:34	05:48 18:05	05:59 19:37	05:26 20:06	05:20 20:23	05:38 20:13	06:08 19:35	06:38 18:45	07:09 17:58	06:45 16:27	07:10 16:27
25	07:05 16:58	06:30 17:35	05:46 18:06	05:58 19:38	05:26 20:07	05:20 20:23	05:39 20:12	06:09 19:34	06:39 18:43	06:10 16:56	06:46 16:26	07:10 16:28
26	07:05 16:59	06:29 17:36	05:45 18:07	05:56 19:39	05:25 20:08	05:20 20:23	05:40 20:11	06:10 19:32	06:40 18:41	06:11 16:55	06:47 16:26	07:11 16:28
27	07:04 17:00	06:27 17:37	05:43 18:08	05:55 19:40	05:24 20:09	05:21 20:23	05:41 20:10	06:11 19:31	06:41 18:40	06:12 16:54	06:48 16:25	07:11 16:29
28	07:03 17:02	06:26 17:39	05:41 18:09	05:54 19:41	05:24 20:09	05:21 20:24	05:42 20:09	06:12 19:29	06:42 18:38	06:13 16:52	06:49 16:25	07:11 16:30
29	07:02 17:03		06:40 19:10	05:52 19:42	05:23 20:10	05:21 20:23	05:43 20:08	06:13 19:27	06:43 18:36	06:14 16:51	06:50 16:24	07:12 16:30
30	07:01 17:04		06:38 19:11	05:51 19:43	05:23 20:11	05:22 20:23	05:44 20:07	06:14 19:26	06:44 18:35	06:16 16:50	06:51 16:24	07:12 16:31
31	07:01 17:05		06:36 19:12		05:22 20:12		05:45 20:06	06:15 19:24		06:17 16:49		07:12 16:32
Ore potenziali eliofanìa	299	298	370	398	447	450	457	427	375	346	299	290
Totale, caso peggiore												

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra
 Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** B2 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (13)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno
1	07:12 16:33	06:59 17:06	06:24 17:40	16:07 (SV08) 17:04 (SV08)	06:35 19:13	05:50 19:44
2	07:12 16:34	06:58 17:08	06:23 17:41	16:08 (SV08) 17:04 (SV08)	06:33 19:14	05:48 19:45
3	07:12 16:34	06:57 17:09	06:21 17:42	16:07 (SV08) 17:03 (SV08)	06:31 19:15	05:47 19:46
4	07:12 16:35	06:56 17:10	06:20 17:43	16:07 (SV08) 17:02 (SV08)	06:30 19:16	18:49 (SV07) 18:55 (SV07)
5	07:12 16:36	06:55 17:11	06:18 17:44	16:08 (SV08) 17:02 (SV08)	06:28 19:17	18:45 (SV07) 18:55 (SV07)
6	07:12 16:37	06:54 17:12	06:17 17:45	16:07 (SV08) 17:01 (SV08)	06:26 19:18	18:43 (SV07) 18:57 (SV07)
7	07:12 16:38	06:53 17:14	06:15 17:46	16:08 (SV08) 17:01 (SV08)	06:25 19:19	18:41 (SV07) 18:57 (SV07)
8	07:12 16:39	06:52 17:15	06:14 17:47	16:09 (SV08) 17:00 (SV08)	06:23 19:20	18:40 (SV07) 18:59 (SV07)
9	07:12 16:40	06:51 17:16	06:12 17:48	16:10 (SV08) 17:00 (SV08)	06:22 19:21	18:39 (SV07) 19:00 (SV07)
10	07:12 16:41	06:50 17:17	16:29 (SV08) 16:43 (SV08)	06:10 17:49	06:20 19:22	18:37 (SV07) 19:00 (SV07)
11	07:12 16:42	06:49 17:18	16:26 (SV08) 16:47 (SV08)	06:09 17:51	06:18 19:23	18:37 (SV07) 19:02 (SV07)
12	07:12 16:43	06:48 17:20	16:23 (SV08) 16:50 (SV08)	06:07 17:52	06:17 19:24	18:36 (SV07) 19:02 (SV07)
13	07:11 16:44	06:46 17:21	16:21 (SV08) 16:53 (SV08)	06:06 17:53	06:15 19:25	18:36 (SV07) 19:04 (SV07)
14	07:11 16:45	06:45 17:22	16:18 (SV08) 16:54 (SV08)	06:04 17:54	06:14 19:26	18:36 (SV07) 19:04 (SV07)
15	07:11 16:46	06:44 17:23	16:17 (SV08) 16:56 (SV08)	06:02 17:55	06:12 19:27	18:36 (SV07) 19:04 (SV07)
16	07:10 16:47	06:43 17:24	16:16 (SV08) 16:57 (SV08)	06:01 17:56	06:11 19:28	18:36 (SV07) 19:03 (SV07)
17	07:10 16:49	06:41 17:26	16:14 (SV08) 16:58 (SV08)	05:59 17:57	06:09 19:29	18:37 (SV07) 19:03 (SV07)
18	07:09 16:50	06:40 17:27	16:13 (SV08) 16:59 (SV08)	05:57 17:58	06:08 19:30	18:37 (SV07) 19:01 (SV07)
19	07:09 16:51	06:39 17:28	16:13 (SV08) 17:01 (SV08)	05:56 17:59	06:06 19:31	18:38 (SV07) 19:00 (SV07)
20	07:08 16:52	06:37 17:29	16:11 (SV08) 17:01 (SV08)	05:54 18:00	06:05 19:32	18:38 (SV07) 18:58 (SV07)
21	07:08 16:53	06:36 17:30	16:11 (SV08) 17:02 (SV08)	05:53 18:01	06:03 19:33	18:40 (SV07) 18:57 (SV07)
22	07:07 16:54	06:34 17:32	16:09 (SV08) 17:02 (SV08)	05:51 18:02	06:02 19:34	18:42 (SV07) 18:55 (SV07)
23	07:06 16:55	06:33 17:33	16:09 (SV08) 17:03 (SV08)	05:49 18:03	06:00 19:35	18:46 (SV07) 18:50 (SV07)
24	07:06 16:57	06:32 17:34	16:09 (SV08) 17:04 (SV08)	05:48 18:04	05:59 19:36	05:26 20:06
25	07:05 16:58	06:30 17:35	16:08 (SV08) 17:03 (SV08)	05:46 18:05	05:58 19:37	05:26 20:07
26	07:04 16:59	06:29 17:36	16:08 (SV08) 17:04 (SV08)	05:44 18:06	05:56 19:38	05:25 20:08
27	07:04 17:00	06:27 17:37	16:08 (SV08) 17:04 (SV08)	05:43 18:07	05:55 19:39	05:24 20:08
28	07:03 17:01	06:26 17:38	16:08 (SV08) 17:04 (SV08)	05:41 18:08	05:54 19:40	05:24 20:09
29	07:02 17:03			06:39 19:10	05:52 19:41	05:23 20:10
30	07:01 17:04			06:38 19:11	05:51 19:43	05:23 20:11
31	07:00 17:05			06:36 19:12		05:22 20:12
Ore potenziali eliofania	299	298	370	398	397	447
Totale, caso peggiore		834	810			450

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
 Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra: B2 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (13)**
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:22	05:45	06:15	18:36 (SV07) 06:44	16:51 (SV08) 06:18	16:00 (SV08) 06:52
	20:23	20:05	19:23	25 19:01 (SV07) 18:33	17:34 (SV08) 16:47	11 16:11 (SV08) 16:24
2	05:23	05:46	06:16	18:36 (SV07) 06:45	16:50 (SV08) 06:19	06:53
	20:23	20:04	19:21	23 18:59 (SV07) 18:31	17:35 (SV08) 16:46	16:23
3	05:23	05:47	06:17	18:37 (SV07) 06:46	16:48 (SV08) 06:20	06:54
	20:23	20:03	19:19	21 18:58 (SV07) 18:30	17:35 (SV08) 16:45	16:23
4	05:24	05:48	06:18	18:37 (SV07) 06:47	16:47 (SV08) 06:21	06:55
	20:23	20:01	19:18	19 18:56 (SV07) 18:28	17:36 (SV08) 16:44	16:23
5	05:24	05:49	06:19	18:38 (SV07) 06:48	16:46 (SV08) 06:22	06:56
	20:22	20:00	19:16	16 18:54 (SV07) 18:26	17:36 (SV08) 16:43	16:23
6	05:25	05:50	06:20	18:39 (SV07) 06:49	16:44 (SV08) 06:23	06:57
	20:22	19:59	19:14	14 18:53 (SV07) 18:25	17:37 (SV08) 16:41	16:23
7	05:25	05:51	06:21	18:40 (SV07) 06:50	16:43 (SV08) 06:25	06:58
	20:22	19:58	19:13	10 18:50 (SV07) 18:23	17:37 (SV08) 16:40	16:23
8	05:26	05:52	06:22	18:43 (SV07) 06:52	16:43 (SV08) 06:26	06:59
	20:22	19:57	19:11	6 18:49 (SV07) 18:22	17:37 (SV08) 16:39	16:22
9	05:27	05:53	06:23	06:53	16:42 (SV08) 06:27	06:59
	20:21	19:56	19:10	18:20	17:37 (SV08) 16:38	16:22
10	05:27	05:54	06:24	06:54	16:42 (SV08) 06:28	07:00
	20:21	19:54	19:08	18:18	17:38 (SV08) 16:37	16:23
11	05:28	05:55	06:25	06:55	16:42 (SV08) 06:29	07:01
	20:21	19:53	19:06	18:17	17:38 (SV08) 16:36	16:23
12	05:29	05:56	06:26	06:56	16:41 (SV08) 06:30	07:02
	20:20	19:52	19:05	18:15	17:37 (SV08) 16:35	16:23
13	05:29	05:57	06:27	06:57	16:41 (SV08) 06:32	07:03
	20:20	19:50	19:03	18:14	17:37 (SV08) 16:34	16:23
14	05:30	05:58	06:28	06:58	16:40 (SV08) 06:33	07:04
	20:19	19:49	19:01	18:12	17:37 (SV08) 16:34	16:23
15	05:31	05:59	06:29	06:59	16:40 (SV08) 06:34	07:04
	20:19	19:48	19:00	18:11	17:36 (SV08) 16:33	16:23
16	05:32	06:00	06:30	07:00	16:40 (SV08) 06:35	07:05
	20:18	19:46	18:58	18:09	17:35 (SV08) 16:32	16:24
17	05:32	06:01	06:31	07:01	16:40 (SV08) 06:36	07:06
	20:17	19:45	18:56	18:08	17:35 (SV08) 16:31	16:24
18	05:33	06:02	06:32	07:02	16:40 (SV08) 06:37	07:06
	20:17	19:44	18:55	18:06	17:34 (SV08) 16:30	16:24
19	05:34	06:03	06:33	07:03	16:41 (SV08) 06:39	07:07
	20:16	19:42	18:53	18:05	17:34 (SV08) 16:30	16:25
20	05:35	06:04	18:50 (SV07) 06:34	07:04	16:41 (SV08) 06:40	07:08
	20:15	19:41	7 18:57 (SV07) 18:51	18:03	17:33 (SV08) 16:29	16:25
21	05:36	06:05	18:47 (SV07) 06:35	07:05	16:42 (SV08) 06:41	07:08
	20:15	19:39	13 19:00 (SV07) 18:50	18:02	17:32 (SV08) 16:28	16:25
22	05:36	06:06	18:45 (SV07) 06:36	07:06	16:42 (SV08) 06:42	07:09
	20:14	19:38	17 19:02 (SV07) 18:48	18:00	17:31 (SV08) 16:28	16:26
23	05:37	06:07	18:43 (SV07) 06:37	07:07	16:43 (SV08) 06:43	07:09
	20:13	19:36	20 19:03 (SV07) 18:46	17:59	17:30 (SV08) 16:27	16:26
24	05:38	06:08	18:42 (SV07) 06:38	07:09	16:43 (SV08) 06:44	07:10
	20:12	19:35	22 19:04 (SV07) 18:45	17:58	17:29 (SV08) 16:26	16:27
25	05:39	06:09	18:39 (SV07) 06:38	17:08 (SV08) 06:10	15:45 (SV08) 06:45	07:10
	20:11	19:33	25 19:04 (SV07) 18:43	14 17:22 (SV08) 16:56	16:28 (SV08) 16:26	16:28
26	05:40	06:10	18:39 (SV07) 06:39	17:03 (SV08) 06:11	15:46 (SV08) 06:46	07:10
	20:11	19:32	26 19:05 (SV07) 18:41	23 17:26 (SV08) 16:55	16:27 (SV08) 16:25	16:28
27	05:41	06:11	18:38 (SV07) 06:40	17:00 (SV08) 06:12	15:47 (SV08) 06:48	07:11
	20:10	19:30	27 19:05 (SV07) 18:40	28 17:28 (SV08) 16:54	16:25 (SV08) 16:25	16:29
28	05:42	06:12	18:37 (SV07) 06:41	16:57 (SV08) 06:13	15:49 (SV08) 06:49	07:11
	20:09	19:29	28 19:05 (SV07) 18:38	33 17:30 (SV08) 16:52	16:23 (SV08) 16:25	16:29
29	05:43	06:12	18:37 (SV07) 06:42	16:55 (SV08) 06:14	15:50 (SV08) 06:50	07:11
	20:08	19:27	28 19:05 (SV07) 18:36	37 17:32 (SV08) 16:51	16:21 (SV08) 16:24	16:30
30	05:44	06:13	18:36 (SV07) 06:43	16:53 (SV08) 06:15	15:53 (SV08) 06:51	07:12
	20:07	19:26	28 19:04 (SV07) 18:35	40 17:33 (SV08) 16:50	16:19 (SV08) 16:24	16:31
31	05:45	06:14	18:36 (SV07) 06:44	06:17	15:56 (SV08) 06:52	07:12
	20:06	19:24	26 19:02 (SV07) 18:35	16:48	16:16 (SV08) 16:24	16:32
Ore potenziali eliofanìa	457	427	375	346	299	290
Totale, caso peggiore		267	309	1481	11	

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
 Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** B3 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (14)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno
1	07:12 16:33	06:59 17:06	06:24 17:40	06:34 19:13	05:50 19:44	18:36 (SV08) 05:22 19:21 (SV07) 20:12
2	07:12 16:34	06:58 17:08	06:23 17:41	06:33 19:14	05:48 19:45	18:36 (SV08) 05:21 19:21 (SV07) 20:13
3	07:12 16:34	06:57 17:09	06:21 17:42	06:31 19:15	05:47 19:46	18:36 (SV08) 05:21 19:22 (SV07) 20:14
4	07:12 16:35	06:56 17:10	06:20 17:43	06:30 19:16	05:46 19:47	18:37 (SV08) 05:20 19:24 (SV07) 20:14
5	07:12 16:36	06:55 17:11	06:18 17:44	06:28 19:17	05:45 19:48	18:38 (SV08) 05:20 19:25 (SV07) 20:15
6	07:12 16:37	06:54 17:12	06:17 17:45	06:26 19:18	05:43 19:49	18:39 (SV08) 05:20 19:26 (SV07) 20:16
7	07:12 16:38	06:53 17:14	06:15 17:46	06:25 19:19	05:42 19:50	18:40 (SV08) 05:19 19:27 (SV07) 20:16
8	07:12 16:39	06:52 17:15	16:50 (SV10) 06:13 16:52 (SV10) 17:47	06:23 19:20	05:41 19:51	18:41 (SV08) 05:19 19:28 (SV07) 20:17
9	07:12 16:40	06:51 17:16	16:46 (SV10) 06:12 16:53 (SV10) 17:48	06:22 19:21	05:40 19:52	18:43 (SV08) 05:19 19:29 (SV07) 20:18
10	07:12 16:41	06:50 17:17	16:45 (SV10) 06:10 16:54 (SV10) 17:49	06:20 19:22	05:39 19:53	18:45 (SV08) 05:19 19:30 (SV07) 20:18
11	07:12 16:42	06:49 17:18	16:44 (SV10) 06:09 16:56 (SV10) 17:51	06:18 19:23	05:38 19:54	18:46 (SV08) 05:19 19:30 (SV07) 20:19
12	07:11 16:43	06:48 17:20	16:43 (SV10) 06:07 16:57 (SV10) 17:52	06:17 19:24	05:37 19:55	19:12 (SV07) 05:18 19:32 (SV07) 20:19
13	07:11 16:44	06:46 17:21	16:43 (SV10) 06:06 16:59 (SV10) 17:53	06:15 19:25	05:36 19:56	19:13 (SV07) 05:18 19:32 (SV07) 20:20
14	07:11 16:45	06:45 17:22	16:42 (SV10) 06:04 16:59 (SV10) 17:54	06:14 19:26	18:49 (SV08) 05:35 19:03 (SV08) 19:57	19:13 (SV07) 05:18 19:32 (SV07) 20:20
15	07:11 16:46	06:44 17:23	16:42 (SV10) 06:02 17:01 (SV10) 17:55	06:12 19:27	18:47 (SV08) 05:34 19:06 (SV08) 19:58	19:14 (SV07) 05:18 19:31 (SV07) 20:20
16	07:10 16:47	06:43 17:24	16:42 (SV10) 06:01 17:03 (SV10) 17:56	06:11 19:28	18:44 (SV08) 05:33 19:06 (SV08) 19:58	19:14 (SV07) 05:18 19:30 (SV07) 20:21
17	07:10 16:49	06:41 17:26	16:41 (SV10) 05:59 17:03 (SV10) 17:57	06:09 19:29	18:43 (SV08) 05:32 19:08 (SV08) 19:59	19:15 (SV07) 05:18 19:29 (SV07) 20:21
18	07:09 16:50	06:40 17:27	16:42 (SV10) 05:57 17:05 (SV10) 17:58	06:08 19:30	18:41 (SV08) 05:31 19:08 (SV08) 20:00	19:16 (SV07) 05:18 19:27 (SV07) 20:22
19	07:09 16:51	06:39 17:28	16:43 (SV10) 05:56 17:05 (SV10) 17:59	06:06 19:31	18:40 (SV08) 05:30 19:09 (SV08) 20:01	19:18 (SV07) 05:19 19:25 (SV07) 20:22
20	07:08 16:52	06:37 17:29	16:43 (SV10) 05:54 17:04 (SV10) 18:00	06:05 19:32	18:38 (SV08) 05:29 19:10 (SV08) 20:02	05:19 20:22
21	07:08 16:53	06:36 17:30	16:44 (SV10) 05:53 17:03 (SV10) 18:01	06:03 19:33	18:38 (SV08) 05:28 19:11 (SV08) 20:03	05:19 20:22
22	07:07 16:54	06:34 17:32	16:45 (SV10) 05:51 17:01 (SV10) 18:02	06:02 19:34	18:37 (SV08) 05:28 19:13 (SV08) 20:04	05:19 20:23
23	07:06 16:55	06:33 17:33	16:47 (SV10) 05:49 17:00 (SV10) 18:03	06:00 19:35	18:36 (SV08) 05:27 19:12 (SV08) 20:05	05:19 20:23
24	07:06 16:57	06:32 17:34	16:50 (SV10) 05:48 16:57 (SV10) 18:04	05:59 19:36	18:36 (SV08) 05:26 19:13 (SV08) 20:06	05:20 20:23
25	07:05 16:58	06:30 17:35	05:46 18:05	05:58 19:37	18:35 (SV08) 05:26 19:12 (SV08) 20:07	05:20 20:23
26	07:04 16:59	06:29 17:36	05:44 18:06	05:56 19:38	18:35 (SV08) 05:25 19:12 (SV08) 20:08	05:20 20:23
27	07:04 17:00	06:27 17:37	05:43 18:07	05:55 19:39	18:35 (SV08) 05:24 19:12 (SV08) 20:08	05:20 20:23
28	07:03 17:01	06:26 17:38	05:41 18:08	05:54 19:40	18:35 (SV08) 05:24 19:11 (SV08) 20:09	05:21 20:23
29	07:02 17:03		06:39 19:09	05:52 19:41	18:35 (SV08) 05:23 19:11 (SV08) 20:10	05:21 20:23
30	07:01 17:04		06:38 19:11	05:51 19:42	18:35 (SV08) 05:22 19:11 (SV08) 20:11	05:22 20:23
31	07:00 17:05		06:36 19:12		05:22 20:12	
Ore potenziali eliofanìa	299	298	370	398	447	450
Totale, caso peggiore		260		529	551	

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
 Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** B3 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (14)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:22	05:45	18:59 (SV08)	06:15	06:44	06:18
	20:23	20:05	19:41 (SV07)	19:23	18:33	16:47
2	05:23	05:46	18:56 (SV08)	06:16	06:45	06:19
	20:23	20:04	19:40 (SV07)	19:21	18:31	16:46
3	05:23	05:47	18:53 (SV08)	06:17	06:46	06:20
	20:23	20:03	19:39 (SV07)	19:19	18:30	16:45
4	05:24	05:48	18:52 (SV08)	06:18	06:47	06:21
	20:23	20:01	19:38 (SV07)	19:18	18:28	16:44
5	05:24	05:49	18:50 (SV08)	06:19	06:48	06:22
	20:22	20:00	19:37 (SV07)	19:16	18:26	16:42
6	05:25	05:50	18:49 (SV08)	06:20	06:49	06:23
	20:22	19:59	19:36 (SV07)	19:14	18:25	16:41
7	05:25	05:51	18:48 (SV08)	06:21	06:50	06:25
	20:22	19:58	19:35 (SV07)	19:13	18:23	16:40
8	05:26	05:52	18:47 (SV08)	06:22	06:51	06:26
	20:22	19:57	19:34 (SV07)	19:11	18:22	16:39
9	05:27	05:53	18:46 (SV08)	06:23	06:53	06:27
	20:21	19:56	19:33 (SV07)	19:10	18:20	16:38
10	05:27	05:54	18:46 (SV08)	06:24	06:54	06:28
	20:21	19:54	19:32 (SV07)	19:08	18:18	16:37
11	05:28	05:55	18:44 (SV08)	06:25	06:55	06:29
	20:20	19:53	19:30 (SV07)	19:06	18:17	16:36
12	05:29	05:56	18:44 (SV08)	06:26	06:56	06:30
	20:20	19:52	19:29 (SV07)	19:05	18:15	16:35
13	05:29	05:57	18:43 (SV08)	06:27	06:57	06:32
	20:20	19:50	19:19 (SV08)	19:03	18:14	16:34
14	05:30	05:58	18:43 (SV08)	06:28	06:58	06:33
	20:19	19:49	19:19 (SV08)	19:01	18:12	16:34
15	05:31	05:59	18:42 (SV08)	06:29	06:59	06:34
	20:19	19:48	19:19 (SV08)	19:00	18:11	16:33
16	05:32	06:00	18:42 (SV08)	06:30	07:00	06:35
	20:18	19:46	19:19 (SV08)	18:58	18:09	16:32
17	05:32	06:01	18:42 (SV08)	06:31	07:01	06:36
	20:17	19:45	19:19 (SV08)	18:56	18:08	16:31
18	05:33	06:02	18:42 (SV08)	06:32	07:02	06:37
	20:17	19:44	19:19 (SV08)	18:55	18:06	16:30
19	05:34	06:03	18:42 (SV08)	06:33	07:03	06:39
	20:16	19:42	19:18 (SV08)	18:53	18:05	16:30
20	05:35	06:04	18:42 (SV08)	06:34	07:04	06:40
	20:15	19:41	19:18 (SV08)	18:51	18:03	16:29
21	05:36	06:05	18:42 (SV08)	06:35	07:05	06:41
	20:15	19:39	19:17 (SV08)	18:50	18:02	16:28
22	05:36	06:06	18:43 (SV08)	06:36	07:06	06:42
	20:14	19:38	19:16 (SV08)	18:48	18:00	16:28
23	05:37	06:07	18:43 (SV08)	06:37	07:07	06:43
	20:13	19:36	19:14 (SV08)	18:46	17:59	16:27
24	05:38	19:31 (SV07)	06:08	18:44 (SV08)	06:37	07:09
	20:12	19:34 (SV07)	19:35	19:13 (SV08)	18:45	17:58
25	05:39	19:28 (SV07)	06:09	18:44 (SV08)	06:38	06:10
	20:11	19:37 (SV07)	19:33	19:11 (SV08)	18:43	16:56
26	05:40	19:26 (SV07)	06:10	18:45 (SV08)	06:39	06:11
	20:11	19:39 (SV07)	19:32	19:09 (SV08)	18:41	16:55
27	05:41	19:25 (SV07)	06:11	18:46 (SV08)	06:40	06:12
	20:10	19:40 (SV07)	19:30	19:08 (SV08)	18:39	16:54
28	05:42	19:25 (SV07)	06:11	18:48 (SV08)	06:41	06:13
	20:09	19:41 (SV07)	19:29	19:06 (SV08)	18:38	16:52
29	05:43	19:24 (SV07)	06:12	18:51 (SV08)	06:42	06:14
	20:08	19:42 (SV07)	19:27	19:04 (SV08)	18:36	16:51
30	05:44	19:23 (SV07)	06:13		06:43	06:15
	20:07	19:43 (SV07)	19:26		18:35	16:50
31	05:45	19:22 (SV07)	06:14			06:16
	20:06	19:42 (SV07)	19:24			16:48
Ore potenziali eliofanìa	457	427		375	346	299
Totale, caso peggiore	114	984		245	16	290

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** B4 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (15)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:12 16:33	06:59 17:06	06:24 17:40	06:35 19:13	05:50 19:44	05:22 20:12	05:22 20:23	05:46 20:05	06:16 19:23	06:45 18:33	06:18 16:47	06:52 16:24
2	07:12 16:34	06:58 17:08	06:23 17:41	06:33 19:14	05:49 19:45	05:21 20:13	05:23 20:23	05:47 20:04	06:16 19:21	06:46 18:31	06:19 16:46	06:53 16:23
3	07:12 16:35	06:57 17:09	06:21 17:42	06:31 19:15	05:47 19:46	05:21 20:14	05:23 20:23	05:48 20:03	06:17 19:19	06:47 18:30	06:20 16:45	06:54 16:23
4	07:12 16:35	06:56 17:10	06:20 17:43	06:30 19:16	05:46 19:47	05:21 20:14	05:24 20:23	05:48 20:01	06:18 19:18	06:48 18:28	06:21 16:44	06:55 16:23
5	07:12 16:36	06:55 17:11	06:18 17:44	06:28 19:17	05:45 19:48	05:20 20:15	05:24 20:22	05:49 20:00	06:19 19:16	06:49 18:26	06:22 16:43	06:56 16:23
6	07:12 16:37	06:54 17:13	06:17 17:45	06:27 19:18	05:44 19:49	05:20 20:16	05:25 20:22	05:50 19:59	06:20 19:15	06:50 18:25	06:24 16:42	06:57 16:23
7	07:12 16:38	06:53 17:14	06:15 17:46	06:25 19:19	05:42 19:50	05:20 20:16	05:26 20:22	05:51 19:58	06:21 19:13	06:51 18:23	06:25 16:40	06:58 16:23
8	07:12 16:39	06:52 17:15	06:14 17:47	06:23 19:20	05:41 19:51	05:19 20:17	05:26 20:22	05:52 19:57	06:22 19:11	06:52 18:22	06:26 16:39	06:59 16:23
9	07:12 16:40	06:51 17:16	06:12 17:49	06:22 19:21	05:40 19:52	05:19 20:18	05:27 20:21	05:53 19:56	06:23 19:10	06:53 18:20	06:27 16:38	06:59 16:23
10	07:12 16:41	06:50 17:17	06:10 17:50	06:20 19:22	05:39 19:53	05:19 20:18	05:27 20:21	05:54 19:54	06:24 19:08	06:54 18:19	06:28 16:37	07:00 16:23
11	07:12 16:42	06:49 17:19	06:09 17:51	06:19 19:23	05:38 19:54	05:19 20:19	05:28 20:21	05:55 19:53	06:25 19:06	06:55 18:17	06:29 16:36	07:01 16:23
12	07:12 16:43	06:48 17:20	06:07 17:52	06:17 19:24	05:37 19:55	05:19 20:19	05:29 20:20	05:56 19:52	06:26 19:05	06:56 18:15	06:31 16:36	07:02 16:23
13	07:11 16:44	06:46 17:21	06:06 17:53	06:16 19:25	05:36 19:56	05:19 20:20	05:30 20:20	05:57 19:50	06:27 19:03	06:57 18:14	06:32 16:35	07:03 16:23
14	07:11 16:45	06:45 17:22	06:04 17:54	06:14 19:26	05:35 19:57	05:19 20:20	05:30 20:19	05:58 19:49	06:28 19:01	06:58 18:12	06:33 16:34	07:04 16:23
15	07:11 16:46	06:44 17:23	06:02 17:55	06:12 19:27	05:34 19:58	05:19 20:20	05:31 20:19	05:59 19:48	06:29 19:00	06:59 18:11	06:34 16:33	07:04 16:23
16	07:10 16:48	06:43 17:25	06:01 17:56	06:11 19:28	05:33 19:59	05:19 20:21	05:32 20:18	06:00 19:46	06:30 18:58	07:00 18:09	06:35 16:32	07:05 16:24
17	07:10 16:49	06:41 17:26	05:59 17:57	06:09 19:29	05:32 19:59	05:19 20:21	05:33 20:17	06:01 19:45	06:31 18:56	07:01 18:08	06:36 16:31	07:06 16:24
18	07:09 16:50	06:40 17:27	05:58 17:58	06:08 19:30	05:31 20:00	05:19 20:22	05:33 20:17	06:02 19:44	06:32 18:55	07:02 18:06	06:37 16:30	07:06 16:24
19	07:09 16:51	06:39 17:28	05:56 17:59	06:06 19:31	05:30 20:01	05:19 20:22	05:34 20:16	06:03 19:42	06:33 18:53	07:03 18:05	06:39 16:30	07:07 16:25
20	07:08 16:52	06:37 17:29	05:54 18:00	06:05 19:32	05:29 20:02	05:19 20:22	05:35 20:15	06:04 19:41	06:34 18:51	07:04 18:03	06:40 16:29	07:08 16:25
21	07:08 16:53	06:36 17:31	05:53 18:01	06:04 19:33	05:29 20:03	05:19 20:22	05:36 20:15	06:05 19:39	06:35 18:50	07:05 18:02	06:41 16:28	07:08 16:26
22	07:07 16:54	06:35 17:32	05:51 18:02	06:02 19:34	05:28 20:04	05:19 20:23	05:37 20:14	06:06 19:38	06:36 18:48	07:06 18:01	06:42 16:28	07:09 16:26
23	07:07 16:56	06:33 17:33	05:49 18:03	06:01 19:35	05:27 20:05	05:19 20:23	05:38 20:13	06:07 19:36	06:37 18:46	07:08 17:59	06:43 16:27	07:09 16:27
24	07:06 16:57	06:32 17:34	05:48 18:04	05:59 19:36	05:26 20:06	05:20 20:23	05:38 20:12	06:08 19:35	06:38 18:45	07:09 17:58	06:44 16:27	07:10 16:27
25	07:05 16:58	06:30 17:35	05:46 18:05	05:58 19:37	05:26 20:07	05:20 20:23	05:39 20:11	06:09 19:33	06:39 18:43	06:10 16:56	06:45 16:26	07:10 16:28
26	07:04 16:59	06:29 17:36	05:44 18:06	05:56 19:38	05:25 20:08	05:20 20:23	05:40 20:11	06:10 19:32	06:40 18:41	06:11 16:55	06:46 16:26	07:10 16:28
27	07:04 17:00	06:27 17:37	05:43 18:08	05:55 19:39	05:24 20:08	05:21 20:23	05:41 20:10	06:11 19:30	06:41 18:40	06:12 16:54	06:48 16:25	07:11 16:29
28	07:03 17:02	06:26 17:39	05:41 18:09	05:54 19:40	05:24 20:09	05:21 20:23	05:42 20:09	06:12 19:29	06:42 18:38	06:13 16:52	06:49 16:25	07:11 16:30
29	07:02 17:03		06:40 19:10	05:52 19:42	05:23 20:10	05:21 20:23	05:43 20:08	06:13 19:27	06:43 18:36	06:14 16:51	06:50 16:24	07:11 16:30
30	07:01 17:04		06:38 19:11	05:51 19:43	05:23 20:11	05:22 20:23	05:44 20:07	06:14 19:26	06:44 18:35	06:15 16:50	06:51 16:24	07:12 16:31
31	07:00 17:05		06:36 19:12		05:22 20:12		05:45 20:06	06:15 19:24		06:17 16:49		07:12 16:32
Ore potenziali eliofania	299	298	370	398	446	450	457	427	375	346	300	290
Totale, caso peggiore												

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra
 Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** B5 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (16)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:12 16:33	06:59 17:06	06:24 17:40	06:35 19:13	05:50 19:44	05:22 20:12	05:22 20:23	05:46 20:05	06:16 19:23	06:45 18:33	06:18 16:47	06:52 16:24
2	07:12 16:34	06:58 17:08	06:23 17:41	06:33 19:14	05:49 19:45	05:21 20:13	05:23 20:23	05:47 20:04	06:17 19:21	06:46 18:31	06:19 16:46	06:53 16:24
3	07:12 16:35	06:58 17:09	06:21 17:42	06:31 19:15	05:47 19:46	05:21 20:14	05:23 20:23	05:48 20:03	06:17 19:19	06:47 18:30	06:20 16:45	06:54 16:23
4	07:12 16:35	06:57 17:10	06:20 17:43	06:30 19:16	05:46 19:47	05:21 20:14	05:24 20:23	05:49 20:02	06:18 19:18	06:48 18:28	06:21 16:44	06:55 16:23
5	07:12 16:36	06:56 17:11	06:18 17:44	06:28 19:17	05:45 19:48	05:20 20:15	05:24 20:23	05:49 20:00	06:19 19:16	06:49 18:27	06:22 16:43	06:56 16:23
6	07:12 16:37	06:54 17:13	06:17 17:45	06:27 19:18	05:44 19:49	05:20 20:16	05:25 20:22	05:50 19:59	06:20 19:15	06:50 18:25	06:24 16:42	06:57 16:23
7	07:12 16:38	06:53 17:14	06:15 17:46	06:25 19:19	05:43 19:50	05:20 20:16	05:26 20:22	05:51 19:58	06:21 19:13	06:51 18:23	06:25 16:41	06:58 16:23
8	07:12 16:39	06:52 17:15	06:14 17:47	06:23 19:20	05:41 19:51	05:19 20:17	05:26 20:22	05:52 19:57	06:22 19:11	06:52 18:22	06:26 16:39	06:59 16:23
9	07:12 16:40	06:51 17:16	06:12 17:49	06:22 19:21	05:40 19:52	05:19 20:18	05:27 20:21	05:53 19:56	06:23 19:10	06:53 18:20	06:27 16:38	06:59 16:23
10	07:12 16:41	06:50 17:17	06:10 17:50	06:20 19:22	05:39 19:53	05:19 20:18	05:28 20:21	05:54 19:54	06:24 19:08	06:54 18:19	06:28 16:37	07:00 16:23
11	07:12 16:42	06:49 17:19	06:09 17:51	06:19 19:23	05:38 19:54	05:19 20:19	05:28 20:21	05:55 19:53	06:25 19:06	06:55 18:17	06:29 16:36	07:01 16:23
12	07:12 16:43	06:48 17:20	06:07 17:52	06:17 19:24	05:37 19:55	05:19 20:19	05:29 20:20	05:56 19:52	06:26 19:05	06:56 18:15	06:31 16:36	07:02 16:23
13	07:11 16:44	06:46 17:21	06:06 17:53	06:16 19:25	05:36 19:56	05:19 20:20	05:30 20:20	05:57 19:51	06:27 19:03	06:57 18:14	06:32 16:35	07:03 16:23
14	07:11 16:45	06:45 17:22	06:04 17:54	06:14 19:26	05:35 19:57	05:19 20:20	05:30 20:19	05:58 19:49	06:28 19:01	06:58 18:12	06:33 16:34	07:04 16:23
15	07:11 16:47	06:44 17:23	06:02 17:55	06:12 19:27	05:34 19:58	05:19 20:21	05:31 20:19	05:59 19:48	06:29 19:00	06:59 18:11	06:34 16:33	07:04 16:23
16	07:10 16:48	06:43 17:25	06:01 17:56	06:11 19:28	05:33 19:59	05:19 20:21	05:32 20:18	06:00 19:46	06:30 18:58	07:00 18:09	06:35 16:32	07:05 16:24
17	07:10 16:49	06:41 17:26	05:59 17:57	06:09 19:29	05:32 20:00	05:19 20:21	05:33 20:17	06:01 19:45	06:31 18:56	07:01 18:08	06:36 16:31	07:06 16:24
18	07:09 16:50	06:40 17:27	05:58 17:58	06:08 19:30	05:31 20:00	05:19 20:22	05:33 20:17	06:02 19:44	06:32 18:55	07:02 18:06	06:38 16:31	07:06 16:24
19	07:09 16:51	06:39 17:28	05:56 17:59	06:06 19:31	05:30 20:01	05:19 20:22	05:34 20:16	06:03 19:42	06:33 18:53	07:03 18:05	06:39 16:30	07:07 16:25
20	07:08 16:52	06:37 17:29	05:54 18:00	06:05 19:32	05:30 20:02	05:19 20:22	05:35 20:15	06:04 19:41	06:34 18:51	07:04 18:03	06:40 16:29	07:08 16:25
21	07:08 16:53	06:36 17:31	05:53 18:01	06:04 19:33	05:29 20:03	05:19 20:22	05:36 20:15	06:05 19:39	06:35 18:50	07:05 18:02	06:41 16:28	07:08 16:26
22	07:07 16:54	06:35 17:32	05:51 18:02	06:02 19:34	05:28 20:04	05:19 20:23	05:37 20:14	06:06 19:38	06:36 18:48	07:06 18:01	06:42 16:28	07:09 16:26
23	07:07 16:56	06:33 17:33	05:49 18:03	06:01 19:35	05:27 20:05	05:19 20:23	05:38 20:13	06:07 19:36	06:37 18:46	07:08 17:59	06:43 16:27	07:09 16:27
24	07:06 16:57	06:32 17:34	05:48 18:04	05:59 19:36	05:26 20:06	05:20 20:23	05:38 20:12	06:08 19:35	06:38 18:45	07:09 17:58	06:44 16:27	07:10 16:27
25	07:05 16:58	06:30 17:35	05:46 18:05	05:58 19:37	05:26 20:07	05:20 20:23	05:39 20:11	06:09 19:33	06:39 18:43	06:10 16:56	06:45 16:26	07:10 16:28
26	07:04 16:59	06:29 17:36	05:44 18:07	05:56 19:38	05:25 20:08	05:20 20:23	05:40 20:11	06:10 19:32	06:40 18:41	06:11 16:55	06:47 16:26	07:10 16:28
27	07:04 17:00	06:27 17:37	05:43 18:08	05:55 19:39	05:24 20:08	05:21 20:23	05:41 20:10	06:11 19:30	06:41 18:40	06:12 16:54	06:48 16:25	07:11 16:29
28	07:03 17:02	06:26 17:39	05:41 18:09	05:54 19:41	05:24 20:09	05:21 20:23	05:42 20:09	06:12 19:29	06:42 18:38	06:13 16:52	06:49 16:25	07:11 16:30
29	07:02 17:03		06:40 19:10	05:52 19:42	05:23 20:10	05:21 20:23	05:43 20:08	06:13 19:27	06:43 18:36	06:14 16:51	06:50 16:24	07:11 16:30
30	07:01 17:04		06:38 19:11	05:51 19:43	05:23 20:11	05:22 20:23	05:44 20:07	06:14 19:26	06:44 18:35	06:15 16:50	06:51 16:24	07:12 16:31
31	07:00 17:05		06:36 19:12		05:22 20:12		05:45 20:06	06:15 19:24		06:17 16:49		07:12 16:32
Ore potenziali eliofania	299	298	370	398	446	450	457	427	375	346	300	290
Totale, caso peggiore												

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra
 Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** F12-P164 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 0,0° (8) **Assunzioni sui calcoli d'ombra**

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre	
1	07:12	07:00	06:24	06:35	05:50	05:22	05:22	05:46	06:16	06:45	06:18	06:52	
	16:33	17:06	17:40	19:13	19:44	20:13	20:23	20:05	19:23	18:33	16:47	16:24	
2	07:12	06:59	06:23	06:33	05:48	05:21	05:23	05:47	06:16	06:46	06:19	06:53	
	16:34	17:08	17:41	19:14	19:45	20:13	20:23	20:04	19:21	18:31	16:46	16:23	
3	07:13	06:58	06:21	06:31	05:47	05:21	05:23	05:47	06:17	06:47	06:20	06:54	
	16:34	17:09	17:42	19:15	19:46	20:14	20:23	20:03	19:20	18:30	16:45	16:23	
4	07:13	06:57	06:20	06:30	05:46	05:20	05:24	05:48	06:18	06:48	06:21	06:55	
	16:35	17:10	17:43	19:16	19:47	20:15	20:23	20:02	19:18	18:28	16:44	16:23	
5	07:13	06:56	06:18	06:28	05:45	05:20	05:24	05:49	06:19	06:49	06:22	06:56	
	16:36	17:11	17:44	19:17	19:48	20:15	20:23	20:01	19:16	18:27	16:43	16:23	
6	07:13	06:55	06:17	06:27	05:44	05:20	05:25	05:50	06:20	06:50	06:24	06:57	
	16:37	17:13	17:45	19:18	19:49	20:16	20:22	19:59	19:15	18:25	16:42	16:23	
7	07:13	06:54	06:15	06:25	05:42	05:19	05:25	05:51	06:21	06:51	06:25	06:58	
	16:38	17:14	17:46	19:19	19:50	20:17	20:22	19:58	19:13	18:23	16:40	16:23	
8	07:12	06:52	06:14	06:23	05:41	05:19	05:26	05:52	06:22	06:52	06:26	06:59	
	16:39	17:15	17:47	19:20	19:51	20:17	20:22	19:57	19:11	18:22	16:39	16:23	
9	07:12	06:51	06:12	06:22	05:40	05:19	05:27	05:53	06:23	06:53	07:24 (SV12)	06:27	
	16:40	17:16	17:49	19:21	19:52	20:18	20:22	19:56	19:10	18:20	7	07:31 (SV12)	16:38
10	07:12	06:50	06:11	06:20	05:39	05:19	05:27	05:54	06:24	06:54	07:21 (SV12)	06:28	
	16:41	17:17	17:50	19:22	19:53	20:18	20:21	19:55	19:08	18:19	13	07:34 (SV12)	16:37
11	07:12	06:49	06:09	06:19	05:38	05:19	05:28	05:55	06:25	06:55	07:19 (SV12)	06:30	
	16:42	17:19	17:51	19:23	19:54	20:19	20:21	19:53	19:06	18:17	16	07:35 (SV12)	16:36
12	07:12	06:48	06:07	06:17	05:37	05:19	05:29	05:56	06:26	06:56	07:18 (SV12)	06:31	
	16:43	17:20	17:52	19:24	19:55	20:19	20:20	19:52	19:05	18:15	18	07:36 (SV12)	16:35
13	07:11	06:47	06:06	06:16	05:36	05:18	05:29	05:57	06:27	06:57	07:17 (SV12)	06:32	
	16:44	17:21	17:53	19:25	19:56	20:20	20:20	19:51	19:03	18:14	19	07:36 (SV12)	16:35
14	07:11	06:45	06:04	06:14	05:35	05:18	05:30	05:58	06:28	06:58	07:18 (SV12)	06:33	
	16:45	17:22	17:54	19:26	19:57	20:20	20:19	19:49	19:01	18:12	19	07:37 (SV12)	16:34
15	07:11	06:44	06:03	06:12	05:34	05:18	05:31	05:59	06:29	06:59	07:19 (SV12)	06:34	
	16:46	17:23	17:55	19:27	19:58	20:21	20:19	19:48	19:00	18:11	18	07:37 (SV12)	16:33
16	07:10	06:43	06:01	06:11	05:33	05:18	05:32	06:00	06:30	07:00	07:20 (SV12)	06:35	
	16:48	17:25	17:56	19:28	19:59	20:21	20:18	19:47	18:58	18:09	16	07:36 (SV12)	16:32
17	07:10	06:41	05:59	06:09	05:32	05:18	05:33	06:01	06:31	07:01	07:21 (SV12)	06:36	
	16:49	17:26	17:57	19:29	20:00	20:21	20:18	19:45	18:56	18:08	15	07:36 (SV12)	16:31
18	07:10	06:40	05:58	06:08	05:31	05:19	05:33	06:02	06:32	07:02	07:23 (SV12)	06:38	
	16:50	17:27	17:58	19:30	20:01	20:22	20:17	19:44	18:55	18:06	13	07:36 (SV12)	16:30
19	07:09	06:39	05:56	06:06	05:30	05:19	05:34	06:03	06:33	07:03	07:24 (SV12)	06:39	
	16:51	17:28	17:59	19:31	20:02	20:22	20:16	19:42	18:53	18:05	11	07:35 (SV12)	16:30
20	07:08	06:37	05:54	06:05	05:29	05:19	05:35	06:04	06:34	07:04	07:25 (SV12)	06:40	
	16:52	17:29	18:00	19:32	20:02	20:22	20:16	19:41	18:51	18:03	9	07:34 (SV12)	16:29
21	07:08	06:36	05:53	06:04	05:29	05:19	05:36	06:05	06:35	07:05	07:26 (SV12)	06:41	
	16:53	17:31	18:01	19:33	20:03	20:23	20:15	19:40	18:50	18:02	6	07:32 (SV12)	16:28
22	07:07	06:35	05:51	06:02	05:28	05:19	05:37	06:06	06:36	07:07	07:27 (SV12)	06:42	
	16:54	17:32	18:02	19:34	20:04	20:23	20:14	19:38	18:48	18:01	3	07:30 (SV12)	16:28
23	07:07	06:33	05:49	06:01	05:27	05:19	05:37	06:07	06:37	07:08		06:43	
	16:56	17:33	18:03	19:35	20:05	20:23	20:13	19:37	18:46	17:59		16:27	
24	07:06	06:32	05:48	05:59	05:26	05:20	05:38	06:08	06:38	07:09		06:44	
	16:57	17:34	18:04	19:37	20:06	20:23	20:12	19:35	18:45	17:58		16:27	
25	07:05	06:30	05:46	05:58	05:26	05:20	05:39	06:09	06:39	07:10		06:46	
	16:58	17:35	18:06	19:38	20:07	20:23	20:12	19:34	18:43	16:56		16:28	
26	07:05	06:29	05:44	05:56	05:25	05:20	05:40	06:10	06:40	06:11		06:47	
	16:59	17:36	18:07	19:39	20:08	20:23	20:11	19:32	18:41	16:55		16:28	
27	07:04	06:27	05:43	05:55	05:24	05:21	05:41	06:11	06:41	06:12		06:48	
	17:00	17:37	18:08	19:40	20:09	20:23	20:10	19:31	18:40	16:54		16:29	
28	07:03	06:26	05:41	05:54	05:24	05:21	05:42	06:12	06:42	06:13		06:49	
	17:02	17:39	18:09	19:41	20:09	20:23	20:09	19:29	18:38	16:52		16:30	
29	07:02		06:40	05:52	05:23	05:21	05:43	06:13	06:43	06:14		06:50	
	17:03		19:10	19:42	20:10	20:23	20:08	19:27	18:36	16:51		16:30	
30	07:01		06:38	05:51	05:23	05:22	05:44	06:14	06:44	06:16		06:51	
	17:04		19:11	19:43	20:11	20:23	20:07	19:26	18:35	16:50		16:31	
31	07:00		06:36		05:22		05:45	06:15		06:17		07:12	
	17:05		19:12		20:12		20:06	19:24		16:49		16:32	
Ore potenziali eliofanía	299	298	370	398	447	450	457	427	375	346	299	290	
Totale, caso peggiore		116	62							183			

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
 Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** F12-P167 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 90,0° (9) **Assunzioni sui calcoli d'ombra**

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre			
1	07:12	07:00	06:24	06:35	05:50	05:22	05:22	05:46	06:16	06:45	06:18	06:52			
	16:33	17:06	17:40	18	07:04 (SV12)	19:13	19:44	20:13	20:23	20:05	19:23	18:33			
2	07:12	06:59	06:23	06:48 (SV12)	06:33	05:48	05:21	05:23	05:47	06:16	06:46	06:53			
	16:34	17:08	17:41	15	07:03 (SV12)	19:14	19:45	20:13	20:23	20:04	19:21	18:31			
3	07:13	06:58	06:21	06:49 (SV12)	06:31	05:47	05:21	05:23	05:47	06:17	06:47	06:54			
	16:34	17:09	17:42	11	07:00 (SV12)	19:15	19:46	20:14	20:23	20:03	19:20	18:30			
4	07:13	06:57	06:20	06:53 (SV12)	06:30	05:46	05:20	05:24	05:48	06:18	06:48	06:55			
	16:35	17:10	17:43	4	06:57 (SV12)	19:16	19:47	20:15	20:23	20:02	19:18	18:28			
5	07:13	06:56	06:18		06:28	05:45	05:20	05:24	05:49	06:19	06:49	06:56			
	16:36	17:11	17:44		19:17	19:48	20:15	20:23	20:01	19:16	18:27	16:43			
6	07:13	06:55	06:17		06:27	05:44	05:20	05:25	05:50	06:20	06:50	06:57			
	16:37	17:13	17:45		19:18	19:49	20:16	20:22	19:59	19:15	18:25	16:42			
7	07:13	06:53	06:15		06:25	05:42	05:19	05:25	05:51	06:21	06:51	06:58			
	16:38	17:14	17:46		19:19	19:50	20:17	20:22	19:58	19:13	18:23	16:40			
8	07:12	06:52	06:14		06:23	05:41	05:19	05:26	05:52	06:22	06:52	06:59			
	16:39	17:15	17:47		19:20	19:51	20:17	20:22	19:57	19:11	18:22	16:39			
9	07:12	06:51	06:12		06:22	05:40	05:19	05:27	05:53	06:23	06:53	06:27			
	16:40	17:16	17:49		19:21	19:52	20:18	20:22	19:56	19:10	18:20	16:38			
10	07:12	06:50	06:11		06:20	05:39	05:19	05:27	05:54	06:24	06:54	06:28			
	16:41	17:17	17:50		19:22	19:53	20:18	20:21	19:55	19:08	18:19	9	07:25 (SV12)	06:28	16:23
11	07:12	06:49	06:09		06:19	05:38	05:19	05:28	05:55	06:25	06:55	07:01	07:01	07:01	07:01
	16:42	17:19	17:51		19:23	19:54	20:19	20:21	19:53	19:06	18:17	14	07:36 (SV12)	16:36	16:23
12	07:12	06:48	06:07		06:17	05:37	05:19	05:29	05:56	06:26	06:56	17	07:37 (SV12)	16:31	16:23
	16:43	17:20	17:52		19:24	19:55	20:19	20:20	19:52	19:05	18:15	17	07:37 (SV12)	16:35	16:23
13	07:11	06:47	06:06		06:16	05:36	05:18	05:29	05:57	06:27	06:57	19	07:38 (SV12)	16:32	16:23
	16:44	17:21	17:53		19:25	19:56	20:20	20:20	19:51	19:03	18:14	19	07:38 (SV12)	16:35	16:23
14	07:11	06:45	06:04		06:14	05:35	05:18	05:30	05:58	06:28	06:58	20	07:38 (SV12)	16:33	16:23
	16:45	17:22	17:54		19:26	19:57	20:20	20:19	19:49	19:01	18:12	20	07:38 (SV12)	16:34	16:23
15	07:11	06:44	06:02		06:12	05:34	05:18	05:31	05:59	06:29	06:59	19	07:38 (SV12)	16:34	16:23
	16:46	17:23	17:55		19:27	19:58	20:21	20:19	19:48	19:00	18:11	19	07:38 (SV12)	16:33	16:23
16	07:10	06:43	06:01		06:11	05:33	05:18	05:32	06:00	06:30	07:00	18	07:38 (SV12)	16:35	16:23
	16:48	17:25	17:56		19:28	19:59	20:21	20:18	19:47	18:58	18:09	18	07:38 (SV12)	16:32	16:24
17	07:10	06:41	05:59		06:09	05:32	05:18	05:33	06:01	06:31	07:01	17	07:38 (SV12)	16:36	16:24
	16:49	17:26	17:57		19:29	20:00	20:21	20:18	19:45	18:56	18:08	17	07:38 (SV12)	16:31	16:24
18	07:10	06:40	05:58		06:08	05:31	05:19	05:33	06:02	06:32	07:02	16	07:39 (SV12)	16:30	16:24
	16:50	17:27	17:58		19:30	20:01	20:22	20:17	19:44	18:55	18:06	16	07:39 (SV12)	16:30	16:24
19	07:09	06:39	05:56		06:06	05:30	05:19	05:34	06:03	06:33	07:03	15	07:39 (SV12)	16:30	16:24
	16:51	17:28	17:59		19:31	20:02	20:22	20:16	19:42	18:53	18:05	14	07:38 (SV12)	16:30	16:25
20	07:08	06:37	05:54		06:05	05:29	05:19	05:35	06:04	06:34	07:04	13	07:37 (SV12)	16:30	16:25
	16:52	17:29	18:00		19:32	20:02	20:22	20:16	19:41	18:51	18:03	12	07:37 (SV12)	16:29	16:25
21	07:08	06:36	05:53		06:04	05:29	05:19	05:36	06:05	06:35	07:05	11	07:36 (SV12)	16:28	16:26
	16:53	17:31	18:01		19:33	20:03	20:23	20:15	19:40	18:50	18:02	10	07:36 (SV12)	16:28	16:26
22	07:07	06:35	05:51		06:02	05:28	05:19	05:37	06:06	06:36	07:07	9	07:36 (SV12)	16:28	16:26
	16:54	17:32	18:02		19:34	20:04	20:23	20:14	19:38	18:48	18:01	8	07:34 (SV12)	16:28	16:26
23	07:07	06:33	05:49		06:01	05:27	05:19	05:37	06:07	06:37	07:08	7	07:28 (SV12)	16:28	16:26
	16:56	17:33	18:03		19:35	20:05	20:23	20:13	19:37	18:46	17:59	6	07:32 (SV12)	16:27	16:26
24	07:06	06:32	05:48		05:59	05:26	05:20	05:38	06:08	06:38	07:09	5	07:32 (SV12)	16:27	16:26
	16:57	17:34	18:04		19:37	20:06	20:23	20:12	19:35	18:45	17:58	4	07:32 (SV12)	16:27	16:26
25	07:05	06:30	05:46		05:58	05:26	05:20	05:39	06:09	06:39	07:10	3	07:32 (SV12)	16:27	16:26
	16:58	17:35	18:06		19:38	20:07	20:23	20:12	19:34	18:43	17:56	2	07:32 (SV12)	16:27	16:26
26	07:05	06:29	05:44		05:56	05:25	05:20	05:40	06:10	06:40	07:11	1	07:32 (SV12)	16:27	16:26
	16:59	17:36	18:07		19:39	20:08	20:23	20:11	19:32	18:41	17:55	0	07:32 (SV12)	16:27	16:26
27	07:04	06:27	05:43		05:55	05:24	05:21	05:41	06:11	06:41	07:12		07:32 (SV12)	16:27	16:26
	17:00	17:37	18:08		19:40	20:09	20:23	20:10	19:31	18:40	17:54		07:32 (SV12)	16:27	16:26
28	07:03	06:26	05:41		05:54	05:24	05:21	05:42	06:12	06:42	07:13		07:32 (SV12)	16:27	16:26
	17:02	17:39	18:09		19:41	20:09	20:23	20:09	19:29	18:38	17:52		07:32 (SV12)	16:27	16:26
29	07:02		06:40		05:52	05:23	05:21	05:43	06:13	06:43	07:14		07:32 (SV12)	16:27	16:26
	17:03		19:10		19:42	20:10	20:23	20:08	19:27	18:36	17:51		07:32 (SV12)	16:27	16:26
30	07:01		06:38		05:51	05:23	05:22	05:44	06:14	06:44	07:15		07:32 (SV12)	16:27	16:26
	17:04		19:11		19:43	20:11	20:23	20:07	19:26	18:35	17:50		07:32 (SV12)	16:27	16:26
31	07:00		06:36			05:22		05:45	06:15		06:17		07:32 (SV12)	16:27	16:26
	17:05		19:12			20:12		20:06	19:24		16:49		07:32 (SV12)	16:27	16:26
Ore potenziali eliofanía	299	298	370	398	447	450	457	427	375	346	299	290			
Totale, caso peggiore		146	48								196				

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** F12-P475 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (11)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio		Febbraio		Marzo		Aprile		Maggio		Giugno	
1	07:12	15:21 (SV05)	06:59	06:24			06:35	05:50			05:22	05:54 (SV07)
	16:33	23 15:44 (SV05)	17:06	17:40			19:13	19:44			20:12	51 06:45 (SV07)
2	07:12	15:22 (SV05)	06:59	06:23			06:33	05:48			05:21	05:53 (SV07)
	16:34	22 15:44 (SV05)	17:08	17:41			19:14	19:45			20:13	51 06:44 (SV07)
3	07:12	15:23 (SV05)	06:58	06:21			06:31	05:47		06:11 (SV07)	05:21	05:54 (SV07)
	16:34	21 15:44 (SV05)	17:09	17:42			19:15	19:46	15	06:26 (SV07)	20:14	51 06:45 (SV07)
4	07:12	15:24 (SV05)	06:57	06:20			06:30	05:46		06:08 (SV07)	05:20	05:55 (SV07)
	16:35	19 15:43 (SV05)	17:10	17:43			19:16	19:47	21	06:29 (SV07)	20:15	50 06:45 (SV07)
5	07:13	15:25 (SV05)	06:56	06:18			06:28	05:45		06:05 (SV07)	05:20	05:54 (SV07)
	16:36	18 15:43 (SV05)	17:11	17:44			19:17	19:48	26	06:31 (SV07)	20:15	50 06:44 (SV07)
6	07:13	15:26 (SV05)	06:54	06:17			06:27	05:44		06:04 (SV07)	05:20	05:55 (SV07)
	16:37	17 15:43 (SV05)	17:13	17:45			19:18	19:49	29	06:33 (SV07)	20:16	50 06:45 (SV07)
7	07:12	15:28 (SV05)	06:53	06:15			06:25	05:42		06:02 (SV07)	05:19	05:55 (SV07)
	16:38	15 15:43 (SV05)	17:14	17:46			19:19	19:50	33	06:35 (SV07)	20:16	50 06:45 (SV07)
8	07:12	15:30 (SV05)	06:52	06:14			06:23	05:41		06:01 (SV07)	05:19	05:56 (SV07)
	16:39	12 15:42 (SV05)	17:15	17:47			19:20	19:51	35	06:36 (SV07)	20:17	49 06:45 (SV07)
9	07:12	15:32 (SV05)	06:51	06:12			06:22	05:40		06:00 (SV07)	05:19	05:56 (SV07)
	16:40	9 15:41 (SV05)	17:16	17:49			19:21	19:52	37	06:37 (SV07)	20:18	49 06:45 (SV07)
10	07:12		06:50	06:10			06:20	05:39		05:59 (SV07)	05:19	05:55 (SV07)
	16:41		17:17	17:50			19:22	19:53	39	06:38 (SV07)	20:18	50 06:45 (SV07)
11	07:12		06:49	06:09			06:19	05:38		05:58 (SV07)	05:19	05:56 (SV07)
	16:42		17:19	17:51			19:23	19:54	41	06:39 (SV07)	20:19	49 06:45 (SV07)
12	07:12		06:48	06:07		06:26 (SV08)	06:17	05:37		05:57 (SV07)	05:19	05:56 (SV07)
	16:43		17:20	17:52	6	06:32 (SV08)	19:24	19:55	43	06:40 (SV07)	20:19	49 06:45 (SV07)
13	07:11		06:46	06:06		06:24 (SV08)	06:15	05:36		05:56 (SV07)	05:18	05:56 (SV07)
	16:44		17:21	17:53	9	06:33 (SV08)	19:25	19:56	44	06:40 (SV07)	20:20	49 06:45 (SV07)
14	07:11		06:45	06:04		06:23 (SV08)	06:14	05:35		05:56 (SV07)	05:18	05:57 (SV07)
	16:45		17:22	17:54	12	06:35 (SV08)	19:26	19:57	45	06:41 (SV07)	20:20	48 06:45 (SV07)
15	07:11		06:44	06:02		06:21 (SV08)	06:12	05:34		05:55 (SV07)	05:18	05:57 (SV07)
	16:46		17:23	17:55	15	06:36 (SV08)	19:27	19:58	46	06:41 (SV07)	20:21	48 06:45 (SV07)
16	07:10		06:43	06:01		06:19 (SV08)	06:11	05:33		05:54 (SV07)	05:18	05:57 (SV07)
	16:48		17:25	17:56	17	06:36 (SV08)	19:28	19:59	48	06:42 (SV07)	20:21	49 06:46 (SV07)
17	07:10		06:41	05:59		06:18 (SV08)	06:09	05:32		05:54 (SV07)	05:18	05:57 (SV07)
	16:49		17:26	17:57	19	06:37 (SV08)	19:29	20:00	48	06:42 (SV07)	20:21	49 06:46 (SV07)
18	07:09		06:40	05:58		06:16 (SV08)	06:08	05:31		05:53 (SV07)	05:19	05:59 (SV07)
	16:50		17:27	17:58	21	06:37 (SV08)	19:30	20:01	49	06:42 (SV07)	20:22	48 06:47 (SV07)
19	07:09		06:39	05:56		06:14 (SV08)	06:06	05:30		05:53 (SV07)	05:19	05:59 (SV07)
	16:51		17:28	17:59	22	06:36 (SV08)	19:31	20:01	49	06:42 (SV07)	20:22	48 06:47 (SV07)
20	07:08		06:37	05:54		06:13 (SV08)	06:05	05:29		05:53 (SV07)	05:19	05:59 (SV07)
	16:52		17:29	18:00	23	06:36 (SV08)	19:32	20:02	50	06:43 (SV07)	20:22	48 06:47 (SV07)
21	07:08		06:36	05:53		06:11 (SV08)	06:03	05:29		05:53 (SV07)	05:19	05:59 (SV07)
	16:53		17:30	18:01	24	06:35 (SV08)	19:33	20:03	50	06:43 (SV07)	20:23	48 06:47 (SV07)
22	07:07		06:35	05:51		06:10 (SV08)	06:02	05:28		05:53 (SV07)	05:19	05:59 (SV07)
	16:54		17:32	18:02	24	06:34 (SV08)	19:34	20:04	50	06:43 (SV07)	20:23	48 06:47 (SV07)
23	07:07		06:33	05:49		06:11 (SV08)	06:01	05:27		05:53 (SV07)	05:19	06:00 (SV07)
	16:56		17:33	18:03	23	06:34 (SV08)	19:35	20:05	51	06:44 (SV07)	20:23	48 06:48 (SV07)
24	07:06		06:32	05:48		06:11 (SV08)	05:59	05:26		05:53 (SV07)	05:20	06:00 (SV07)
	16:57		17:34	18:04	21	06:32 (SV08)	19:36	20:06	51	06:44 (SV07)	20:23	48 06:48 (SV07)
25	07:05		06:30	05:46		06:12 (SV08)	05:58	05:26		05:52 (SV07)	05:20	05:59 (SV07)
	16:58		17:35	18:05	18	06:30 (SV08)	19:37	20:07	52	06:44 (SV07)	20:23	49 06:48 (SV07)
26	07:04		06:29	05:44		06:14 (SV08)	05:56	05:25		05:53 (SV07)	05:20	05:59 (SV07)
	16:59		17:36	18:07	15	06:29 (SV08)	19:38	20:08	51	06:44 (SV07)	20:23	49 06:48 (SV07)
27	07:04		06:27	05:43		06:17 (SV08)	05:55	05:24		05:53 (SV07)	05:21	06:00 (SV07)
	17:00		17:37	18:08	8	06:25 (SV08)	19:40	20:08	51	06:44 (SV07)	20:23	49 06:49 (SV07)
28	07:03		06:26	05:41			05:54	05:24		05:53 (SV07)	05:21	06:00 (SV07)
	17:02		17:39	18:09			19:41	20:09	52	06:45 (SV07)	20:23	48 06:48 (SV07)
29	07:02			06:40			05:52	05:23		05:53 (SV07)	05:21	06:01 (SV07)
	17:03			19:10			19:42	20:10	51	06:44 (SV07)	20:23	48 06:49 (SV07)
30	07:01			06:38			05:51	05:23		05:54 (SV07)	05:22	06:00 (SV07)
	17:04			19:11			19:43	20:11	51	06:45 (SV07)	20:23	49 06:49 (SV07)
31	07:00			06:36				05:22		05:53 (SV07)		
	17:05			19:12				20:12	51	06:44 (SV07)		
Ore potenziali eliofanìa	299		298	370			398	447			450	1470
Totale, caso peggiore	156			277				1259				

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
 Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** F12-P475 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 0,0° (11)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:22	06:01 (SV07)	05:46	06:07 (SV07)	06:15	06:45
	20:23	49 06:50 (SV07)	20:05	42 06:49 (SV07)	19:23	18:33
2	05:23	06:01 (SV07)	05:47	06:08 (SV07)	06:16	06:46
	20:23	49 06:50 (SV07)	20:04	40 06:48 (SV07)	19:21	18:31
3	05:23	06:01 (SV07)	05:47	06:09 (SV07)	06:17	06:47
	20:23	50 06:51 (SV07)	20:03	39 06:48 (SV07)	19:19	18:30
4	05:24	06:01 (SV07)	05:48	06:10 (SV07)	06:18	06:48
	20:23	49 06:50 (SV07)	20:02	37 06:47 (SV07)	19:18	18:28
5	05:24	06:01 (SV07)	05:49	06:11 (SV07)	06:19	06:49
	20:23	50 06:51 (SV07)	20:00	34 06:45 (SV07)	19:16	18:26
6	05:25	06:01 (SV07)	05:50	06:12 (SV07)	06:20	06:50
	20:22	50 06:51 (SV07)	19:59	32 06:44 (SV07)	19:15	18:25
7	05:25	06:01 (SV07)	05:51	06:14 (SV07)	06:21	06:51
	20:22	50 06:51 (SV07)	19:58	28 06:42 (SV07)	19:13	18:23
8	05:26	06:01 (SV07)	05:52	06:16 (SV07)	06:22	06:52
	20:22	50 06:51 (SV07)	19:57	24 06:40 (SV07)	19:11	18:22
9	05:27	06:01 (SV07)	05:53	06:18 (SV07)	06:23	06:53
	20:21	51 06:52 (SV07)	19:56	20 06:38 (SV07)	19:10	18:20
10	05:27	06:02 (SV07)	05:54	06:22 (SV07)	06:24	06:54
	20:21	50 06:52 (SV07)	19:54	12 06:34 (SV07)	19:08	18:18
11	05:28	06:01 (SV07)	05:55		06:25	06:55
	20:21	51 06:52 (SV07)	19:53		19:06	18:17
12	05:29	06:02 (SV07)	05:56		06:26	06:56
	20:20	50 06:52 (SV07)	19:52		19:05	18:15
13	05:29	06:02 (SV07)	05:57		06:27	06:57
	20:20	51 06:53 (SV07)	19:51		19:03	18:14
14	05:30	06:01 (SV07)	05:58		06:28	06:58
	20:19	51 06:52 (SV07)	19:49		19:01	18:12
15	05:31	06:02 (SV07)	05:59		06:29	06:59
	20:19	51 06:53 (SV07)	19:48		19:00	18:11
16	05:32	06:02 (SV07)	06:00		06:30	07:00
	20:18	51 06:53 (SV07)	19:46		18:58	18:09
17	05:32	06:02 (SV07)	06:01		06:31	07:01
	20:17	52 06:54 (SV07)	19:45		18:56	18:08
18	05:33	06:02 (SV07)	06:02		06:32	07:02
	20:17	51 06:53 (SV07)	19:44		18:55	18:06
19	05:34	06:02 (SV07)	06:03		06:33	07:03
	20:16	51 06:53 (SV07)	19:42		18:53	18:05
20	05:35	06:03 (SV07)	06:04		06:34	07:04
	20:15	50 06:53 (SV07)	19:41		18:51	18:03
21	05:36	06:03 (SV07)	06:05		06:35	07:05
	20:15	51 06:54 (SV07)	19:39		18:50	18:02
22	05:37	06:03 (SV07)	06:06		06:36	07:06
	20:14	51 06:54 (SV07)	19:38		18:48	18:00
23	05:37	06:04 (SV07)	06:07		06:37	07:08
	20:13	50 06:54 (SV07)	19:36		18:46	17:59
24	05:38	06:03 (SV07)	06:08		06:38	07:09
	20:12	50 06:53 (SV07)	19:35		18:45	17:58
25	05:39	06:04 (SV07)	06:09		06:39	07:10
	20:12	49 06:53 (SV07)	19:33		18:43	17:56
26	05:40	06:04 (SV07)	06:10		06:40	07:11
	20:11	49 06:53 (SV07)	19:32		18:41	17:55
27	05:41	06:05 (SV07)	06:11		06:41	07:12
	20:10	47 06:52 (SV07)	19:30		18:40	17:54
28	05:42	06:05 (SV07)	06:12		06:42	07:13
	20:09	47 06:52 (SV07)	19:29		18:38	17:52
29	05:43	06:06 (SV07)	06:13		06:43	07:14
	20:08	46 06:52 (SV07)	19:27		18:36	17:51
30	05:44	06:06 (SV07)	06:14		06:44	07:15
	20:07	45 06:51 (SV07)	19:26		18:35	17:50
31	05:45	06:07 (SV07)	06:15			06:17
	20:06	44 06:51 (SV07)	19:24			16:49
Ore potenziali eliofania	457	427	375	346	299	290
Totale, caso peggiore	1536	308	272	11	664	

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
 Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** F12-P500 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 0,0° (10)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio		Febbraio		Marzo		Aprile		Maggio		Giugno	
1	07:12	15:44 (SV05)	06:59	06:24			06:35	05:50	05:22			
	16:33	23	16:07 (SV05)	17:06	17:40		19:13	19:44	20:12			
2	07:12	15:44 (SV05)	06:59	06:23			06:33	05:48	05:21		06:03 (SV07)	
	16:34	24	16:08 (SV05)	17:08	17:41		19:14	19:45	20:13	13	06:16 (SV07)	
3	07:12	15:44 (SV05)	06:58	06:21			06:31	05:47	05:21		06:01 (SV07)	
	16:34	24	16:08 (SV05)	17:09	17:42		19:15	19:46	20:14	18	06:19 (SV07)	
4	07:12	15:45 (SV05)	06:57	06:20			06:30	05:46	05:20		05:59 (SV07)	
	16:35	24	16:09 (SV05)	17:10	17:43		19:16	19:47	20:15	23	06:22 (SV07)	
5	07:13	15:45 (SV05)	06:56	06:18			06:28	05:45	05:20		05:57 (SV07)	
	16:36	25	16:10 (SV05)	17:11	17:44		19:17	19:48	20:15	26	06:23 (SV07)	
6	07:12	15:45 (SV05)	06:54	06:17			06:27	05:44	05:20		05:56 (SV07)	
	16:37	26	16:11 (SV05)	17:12	17:45		19:18	19:49	20:16	29	06:25 (SV07)	
7	07:12	15:46 (SV05)	06:53	06:15			06:25	05:42	05:19		05:56 (SV07)	
	16:38	27	16:13 (SV05)	17:14	17:46		19:19	19:50	20:16	30	06:26 (SV07)	
8	07:12	15:47 (SV05)	06:52	06:14		06:32 (SV08)	06:23	05:41	05:19		05:55 (SV07)	
	16:39	27	16:14 (SV05)	17:15	17:47	9	06:41 (SV08)	19:20	19:51	20:17	33	06:28 (SV07)
9	07:12	15:47 (SV05)	06:51	06:12			06:31 (SV08)	06:22	05:40	05:19	05:55 (SV07)	
	16:40	28	16:15 (SV05)	17:16	17:48	13	06:44 (SV08)	19:21	19:52	20:18	34	06:29 (SV07)
10	07:12	15:47 (SV05)	06:50	06:10			06:29 (SV08)	06:20	05:39	05:19	05:53 (SV07)	
	16:41	28	16:15 (SV05)	17:17	17:50	16	06:45 (SV08)	19:22	19:53	20:18	36	06:29 (SV07)
11	07:12	15:48 (SV05)	06:49	06:09			06:27 (SV08)	06:19	05:38	05:19	05:53 (SV07)	
	16:42	28	16:16 (SV05)	17:19	17:51	19	06:46 (SV08)	19:23	19:54	20:19	37	06:30 (SV07)
12	07:12	15:48 (SV05)	06:48	06:07			06:26 (SV08)	06:17	05:37	05:19	05:53 (SV07)	
	16:43	28	16:16 (SV05)	17:20	17:52	22	06:48 (SV08)	19:24	19:55	20:19	38	06:31 (SV07)
13	07:11	15:48 (SV05)	06:46	06:06			06:24 (SV08)	06:15	05:36	05:18	05:52 (SV07)	
	16:44	28	16:16 (SV05)	17:21	17:53	24	06:48 (SV08)	19:25	19:56	20:20	39	06:31 (SV07)
14	07:11	15:49 (SV05)	06:45	06:04			06:23 (SV08)	06:14	05:35	05:18	05:52 (SV07)	
	16:45	28	16:17 (SV05)	17:22	17:54	26	06:49 (SV08)	19:26	19:57	20:20	40	06:32 (SV07)
15	07:11	15:50 (SV05)	06:44	06:02			06:21 (SV08)	06:12	05:34	05:18	05:52 (SV07)	
	16:46	27	16:17 (SV05)	17:23	17:55	28	06:49 (SV08)	19:27	19:58	20:21	40	06:32 (SV07)
16	07:10	15:50 (SV05)	06:43	06:01			06:19 (SV08)	06:11	05:33	05:18	05:52 (SV07)	
	16:47	27	16:17 (SV05)	17:25	17:56	29	06:48 (SV08)	19:28	19:59	20:21	41	06:33 (SV07)
17	07:10	15:52 (SV05)	06:41	05:59			06:18 (SV08)	06:09	05:32	05:18	05:52 (SV07)	
	16:49	25	16:17 (SV05)	17:26	17:57	31	06:49 (SV08)	19:29	20:00	20:21	41	06:33 (SV07)
18	07:09	15:52 (SV05)	06:40	05:58			06:16 (SV08)	06:08	05:31	05:19	05:53 (SV07)	
	16:50	25	16:17 (SV05)	17:27	17:58	32	06:48 (SV08)	19:30	20:00	20:22	42	06:35 (SV07)
19	07:09	15:53 (SV05)	06:39	05:56			06:16 (SV08)	06:06	05:30	05:19	05:53 (SV07)	
	16:51	24	16:17 (SV05)	17:28	17:59	31	06:47 (SV08)	19:31	20:01	20:22	42	06:35 (SV07)
20	07:08	15:54 (SV05)	06:37	05:54			06:16 (SV08)	06:05	05:29	05:19	05:53 (SV07)	
	16:52	22	16:16 (SV05)	17:29	18:00	31	06:47 (SV08)	19:32	20:02	20:22	42	06:35 (SV07)
21	07:08	15:55 (SV05)	06:36	05:53			06:16 (SV08)	06:03	05:29	05:19	05:53 (SV07)	
	16:53	20	16:15 (SV05)	17:30	18:01	30	06:46 (SV08)	19:33	20:03	20:22	42	06:35 (SV07)
22	07:07	15:57 (SV05)	06:35	05:51			06:16 (SV08)	06:02	05:28	05:19	05:53 (SV07)	
	16:54	18	16:15 (SV05)	17:32	18:02	29	06:45 (SV08)	19:34	20:04	20:23	42	06:35 (SV07)
23	07:07	15:58 (SV05)	06:33	05:49			06:18 (SV08)	06:01	05:27	05:19	05:54 (SV07)	
	16:56	16	16:14 (SV05)	17:33	18:03	26	06:44 (SV08)	19:35	20:05	20:23	42	06:36 (SV07)
24	07:06	16:00 (SV05)	06:32	05:48			06:18 (SV08)	05:59	05:26	05:20	05:54 (SV07)	
	16:57	13	16:13 (SV05)	17:34	18:04	24	06:42 (SV08)	19:36	20:06	20:23	42	06:36 (SV07)
25	07:05	16:02 (SV05)	06:30	05:46			06:19 (SV08)	05:58	05:26	05:20	05:54 (SV07)	
	16:58	8	16:10 (SV05)	17:35	18:05	21	06:40 (SV08)	19:37	20:07	20:23	41	06:35 (SV07)
26	07:04		06:29	05:44			06:21 (SV08)	05:56	05:25	05:20	05:54 (SV07)	
	16:59		17:36	18:06	17		06:38 (SV08)	19:38	20:08	20:23	41	06:35 (SV07)
27	07:04		06:27	05:43			06:24 (SV08)	05:55	05:24	05:21	05:55 (SV07)	
	17:00		17:37	18:08	10		06:34 (SV08)	19:40	20:08	20:23	41	06:36 (SV07)
28	07:03		06:26	05:41				05:54	05:24	05:21	05:55 (SV07)	
	17:02		17:38	18:09				19:41	20:09	20:23	40	06:35 (SV07)
29	07:02			06:39				05:52	05:23	05:21	05:56 (SV07)	
	17:03			19:10				19:42	20:10	20:23	40	06:36 (SV07)
30	07:01			06:38				05:51	05:23	05:22	05:56 (SV07)	
	17:04			19:11				19:43	20:11	20:23	39	06:35 (SV07)
31	07:00			06:36					05:22			
	17:05			19:12					20:12			
Ore potenziali eliofanìa	299		298	370			398	447	450			1054
Totale, caso peggiore	593			468								

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
 Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** F12-P500 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (10)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre				
1	05:22	05:58 (SV07)	05:46	06:15	06:45	07:04 (SV08)	06:18	06:52	15:30 (SV05)	
	20:23	37 06:35 (SV07)	20:05	19:23	18:33	23 07:27 (SV08)	16:47	16:24	28 15:58 (SV05)	
2	05:23	05:58 (SV07)	05:47	06:16	06:46	07:05 (SV08)	06:19	06:53	15:30 (SV05)	
	20:23	36 06:34 (SV07)	20:04	19:21	18:31	20 07:25 (SV08)	16:46	16:23	28 15:58 (SV05)	
3	05:23	05:59 (SV07)	05:47	06:17	06:47	07:06 (SV08)	06:20	06:54	15:30 (SV05)	
	20:23	35 06:34 (SV07)	20:03	19:19	18:30	18 07:24 (SV08)	16:45	16:23	28 15:58 (SV05)	
4	05:24	06:00 (SV07)	05:48	06:18	06:48	07:07 (SV08)	06:21	06:55	15:31 (SV05)	
	20:23	33 06:33 (SV07)	20:02	19:18	18:28	15 07:22 (SV08)	16:44	16:23	27 15:58 (SV05)	
5	05:24	06:01 (SV07)	05:49	06:19	06:49	07:08 (SV08)	06:22	06:56	15:31 (SV05)	
	20:23	32 06:33 (SV07)	20:00	19:16	18:26	11 07:19 (SV08)	16:43	16:23	27 15:58 (SV05)	
6	05:25	06:02 (SV07)	05:50	06:20	06:50	07:09 (SV08)	06:24	06:57	15:31 (SV05)	
	20:22	29 06:31 (SV07)	19:59	19:15	18:25	6 07:15 (SV08)	16:41	16:23	27 15:58 (SV05)	
7	05:25	06:04 (SV07)	05:51	06:21	06:51		06:25	06:58	15:32 (SV05)	
	20:22	27 06:31 (SV07)	19:58	19:13	18:23		16:40	16:23	25 15:57 (SV05)	
8	05:26	06:05 (SV07)	05:52	06:22	06:52		06:26	06:59	15:33 (SV05)	
	20:22	24 06:29 (SV07)	19:57	19:11	18:22		16:39	16:23	24 15:57 (SV05)	
9	05:27	06:07 (SV07)	05:53	06:23	06:53		06:27	07:00	15:33 (SV05)	
	20:21	21 06:28 (SV07)	19:56	19:10	18:20		16:38	16:23	25 15:58 (SV05)	
10	05:27	06:10 (SV07)	05:54	06:24	06:54		06:28	07:00	15:34 (SV05)	
	20:21	16 06:26 (SV07)	19:54	19:08	18:18		16:37	16:23	24 15:58 (SV05)	
11	05:28	06:13 (SV07)	05:55	06:25	06:55		06:29	07:01	15:35 (SV05)	
	20:21	8 06:21 (SV07)	19:53	19:06	18:17		16:36	16:23	23 15:58 (SV05)	
12	05:29		05:56	06:26	06:56		06:31	07:02	15:34 (SV05)	
	20:20		19:52	19:05	18:15		16:35	16:23	23 15:57 (SV05)	
13	05:29		05:57	06:27	06:57		06:32	07:03	15:35 (SV05)	
	20:20		19:51	19:03	18:14		16:34	16:23	23 15:58 (SV05)	
14	05:30		05:58	06:28	06:58		06:33	07:04	15:36 (SV05)	
	20:19		19:49	19:01	18:12		16:34	16:23	22 15:58 (SV05)	
15	05:31		05:59	06:29	06:59		06:34	07:04	15:37 (SV05)	
	20:19		19:48	19:00	18:11		16:33	16:23	21 15:58 (SV05)	
16	05:32		06:00	06:30	07:00		06:35	07:05	15:37 (SV05)	
	20:18		19:46	18:58	8 07:22 (SV08)	18:09	16:32	16:24	21 15:58 (SV05)	
17	05:32		06:01	06:31	07:10 (SV08)	07:01	06:36	15:36 (SV05)	07:06	15:37 (SV05)
	20:17		19:45	18:56	16 07:26 (SV08)	18:08	16:31	8 15:44 (SV05)	16:24	22 15:59 (SV05)
18	05:33		06:02	06:32	07:08 (SV08)	07:02	06:38	15:34 (SV05)	07:06	15:38 (SV05)
	20:17		19:44	18:55	20 07:28 (SV08)	18:06	16:30	13 15:47 (SV05)	16:24	21 15:59 (SV05)
19	05:34		06:03	06:33	07:06 (SV08)	07:03	06:39	15:32 (SV05)	07:07	15:38 (SV05)
	20:16		19:42	18:53	23 07:29 (SV08)	18:05	16:30	16 15:48 (SV05)	16:25	21 15:59 (SV05)
20	05:35		06:04	06:34	07:04 (SV08)	07:04	06:40	15:32 (SV05)	07:08	15:39 (SV05)
	20:15		19:41	18:51	26 07:30 (SV08)	18:03	16:29	18 15:50 (SV05)	16:25	21 16:00 (SV05)
21	05:36		06:05	06:35	07:03 (SV08)	07:05	06:41	15:31 (SV05)	07:08	15:39 (SV05)
	20:15		19:39	18:50	28 07:31 (SV08)	18:02	16:28	20 15:51 (SV05)	16:25	21 16:00 (SV05)
22	05:37		06:06	06:36	07:02 (SV08)	07:06	06:42	15:30 (SV05)	07:09	15:40 (SV05)
	20:14		19:38	18:48	29 07:31 (SV08)	18:00	16:28	22 15:52 (SV05)	16:26	21 16:01 (SV05)
23	05:37		06:07	06:37	07:00 (SV08)	07:08	06:43	15:29 (SV05)	07:09	15:40 (SV05)
	20:13		19:36	18:46	31 07:31 (SV08)	17:59	16:27	24 15:53 (SV05)	16:26	21 16:01 (SV05)
24	05:38		06:08	06:38	06:59 (SV08)	07:09	06:44	15:29 (SV05)	07:10	15:40 (SV05)
	20:12		19:35	18:45	32 07:31 (SV08)	17:58	16:27	25 15:54 (SV05)	16:27	21 16:01 (SV05)
25	05:39		06:09	06:39	06:59 (SV08)	06:10	06:45	15:30 (SV05)	07:10	15:41 (SV05)
	20:12		19:33	18:43	32 07:31 (SV08)	16:56	16:26	25 15:55 (SV05)	16:28	21 16:02 (SV05)
26	05:40		06:10	06:40	06:59 (SV08)	06:11	06:47	15:29 (SV05)	07:10	15:41 (SV05)
	20:11		19:32	18:41	31 07:30 (SV08)	16:55	16:26	27 15:56 (SV05)	16:28	21 16:02 (SV05)
27	05:41		06:11	06:41	07:00 (SV08)	06:12	06:48	15:29 (SV05)	07:11	15:41 (SV05)
	20:10		19:30	18:40	30 07:30 (SV08)	16:54	16:25	27 15:56 (SV05)	16:29	22 16:03 (SV05)
28	05:42		06:12	06:42	07:01 (SV08)	06:13	06:49	15:29 (SV05)	07:11	15:43 (SV05)
	20:09		19:29	18:38	28 07:29 (SV08)	16:52	16:25	28 15:57 (SV05)	16:30	21 16:04 (SV05)
29	05:43		06:13	06:43	07:02 (SV08)	06:14	06:50	15:29 (SV05)	07:11	15:43 (SV05)
	20:08		19:27	18:36	27 07:29 (SV08)	16:51	16:24	28 15:57 (SV05)	16:30	22 16:05 (SV05)
30	05:44		06:14	06:44	07:03 (SV08)	06:15	06:51	15:29 (SV05)	07:12	15:43 (SV05)
	20:07		19:26	18:35	25 07:28 (SV08)	16:50	16:24	28 15:57 (SV05)	16:31	22 16:05 (SV05)
31	05:45		06:14			06:17			07:12	15:43 (SV05)
	20:06		19:24			16:48			16:32	23 16:06 (SV05)
Ore potenziali eliofanìa	457		427	375	346	346	299	309	290	717
Totale, caso peggiore	298			386		93				

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
 Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** F13-P167 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (2)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio		Febbraio		Marzo		Aprile		Maggio		Giugno	
1	07:12		06:59	15:47 (SV07)	06:24	15:57 (SV07)	06:35	18:29 (SV06)	05:50	05:22		
	16:33		17:06	48 16:35 (SV07)	17:40	30 16:27 (SV07)	19:13	23 18:52 (SV06)	19:44	20:12		
2	07:12		06:58	15:47 (SV07)	06:23	16:00 (SV07)	06:33	18:29 (SV06)	05:48	05:21		
	16:34		17:08	49 16:36 (SV07)	17:41	25 16:25 (SV07)	19:14	23 18:52 (SV06)	19:45	20:13		
3	07:12		06:57	15:46 (SV07)	06:21	16:03 (SV07)	06:31	18:30 (SV06)	05:47	05:21		
	16:34		17:09	51 16:37 (SV07)	17:42	18 16:21 (SV07)	19:15	22 18:52 (SV06)	19:46	20:14		
4	07:12		06:56	15:46 (SV07)	06:20	16:10 (SV07)	06:30	18:30 (SV06)	05:46	05:20		
	16:35		17:10	52 16:38 (SV07)	17:43	3 16:13 (SV07)	19:16	21 18:51 (SV06)	19:47	20:14		
5	07:12		06:55	15:45 (SV07)	06:18		06:28	18:30 (SV06)	05:45	05:20		
	16:36		17:11	54 16:39 (SV07)	17:44		19:17	19 18:49 (SV06)	19:48	20:15		
6	07:12		06:54	15:45 (SV07)	06:17		06:26	18:32 (SV06)	05:43	05:20		
	16:37		17:12	54 16:39 (SV07)	17:45		19:18	16 18:48 (SV06)	19:49	20:16		
7	07:12		06:53	15:45 (SV07)	06:15		06:25	18:33 (SV06)	05:42	05:19		
	16:38		17:14	55 16:40 (SV07)	17:46		19:19	12 18:45 (SV06)	19:50	20:16		
8	07:12		06:52	15:45 (SV07)	06:14		06:23	18:38 (SV06)	05:41	05:19		
	16:39		17:15	56 16:41 (SV07)	17:47		19:20	3 18:41 (SV06)	19:51	20:17		
9	07:12		06:51	15:45 (SV07)	06:12		06:22		05:40	05:19		
	16:40		17:16	56 16:41 (SV07)	17:48		19:21		19:52	20:18		
10	07:12		06:50	15:44 (SV07)	06:10		06:20		05:39	05:19		
	16:41		17:17	57 16:41 (SV07)	17:50		19:22		19:53	20:18		
11	07:12		06:49	15:44 (SV07)	06:09		06:19		05:38	05:19		
	16:42		17:19	57 16:41 (SV07)	17:51		19:23		19:54	20:19		
12	07:12		06:48	15:44 (SV07)	06:07		06:17		05:37	05:18		
	16:43		17:20	57 16:41 (SV07)	17:52		19:24		19:55	20:19		
13	07:11		06:46	15:45 (SV07)	06:06		06:15		05:36	05:18		
	16:44		17:21	57 16:42 (SV07)	17:53		19:25		19:56	20:20		
14	07:11		06:45	15:44 (SV07)	06:04		06:14		05:35	05:18		
	16:45		17:22	57 16:41 (SV07)	17:54		19:26		19:57	20:20		
15	07:11		06:44	15:45 (SV07)	06:02		06:12		05:34	05:18		
	16:46		17:23	56 16:41 (SV07)	17:55		19:27		19:58	20:21		
16	07:10		06:43	15:45 (SV07)	06:01		06:11		05:33	05:18		
	16:47		17:25	56 16:41 (SV07)	17:56		19:28		19:59	20:21		
17	07:10		06:41	15:45 (SV07)	05:59		06:09		05:32	05:18		
	16:49		17:26	55 16:40 (SV07)	17:57		19:29		20:00	20:21		
18	07:09		06:40	15:46 (SV07)	05:57		06:08		05:31	05:18		
	16:50		17:27	54 16:40 (SV07)	17:58		19:30		20:00	20:22		
19	07:09		06:39	15:46 (SV07)	05:56		06:06		05:30	05:19		
	16:51		17:28	54 16:40 (SV07)	17:59		19:31		20:01	20:22		
20	07:08	16:03 (SV07)	06:37	15:46 (SV07)	05:54		06:05		05:29	05:19		
	16:52	12 16:15 (SV07)	17:29	53 16:39 (SV07)	18:00		19:32		20:02	20:22		
21	07:08	15:59 (SV07)	06:36	15:47 (SV07)	05:53		06:03		05:29	05:19		
	16:53	19 16:18 (SV07)	17:30	52 16:39 (SV07)	18:01		19:33		20:03	20:22		
22	07:07	15:58 (SV07)	06:35	15:48 (SV07)	05:51		06:02		05:28	05:19		
	16:54	23 16:21 (SV07)	17:32	49 16:37 (SV07)	18:02		19:34		20:04	20:23		
23	07:07	15:56 (SV07)	06:33	15:49 (SV07)	05:49		06:01		05:27	05:19		
	16:55	27 16:23 (SV07)	17:33	48 16:37 (SV07)	18:03		19:35		20:05	20:23		
24	07:06	15:54 (SV07)	06:32	15:50 (SV07)	05:48	17:39 (SV06)	05:59		05:26	05:20		
	16:57	31 16:25 (SV07)	17:34	46 16:36 (SV07)	18:04	5 17:44 (SV06)	19:36		20:06	20:23		
25	07:05	15:53 (SV07)	06:30	15:51 (SV07)	05:46	8 17:36 (SV06)	05:58		05:26	05:20		
	16:58	33 16:26 (SV07)	17:35	43 16:34 (SV07)	18:05	17:44 (SV06)	19:37		20:07	20:23		
26	07:04	15:52 (SV07)	06:29	15:53 (SV07)	05:44	17:34 (SV06)	05:56		05:25	05:20		
	16:59	37 16:29 (SV07)	17:36	41 16:34 (SV07)	18:06	12 17:46 (SV06)	19:38		20:08	20:23		
27	07:04	15:51 (SV07)	06:27	15:54 (SV07)	05:43	17:32 (SV06)	05:55		05:24	05:20		
	17:00	39 16:30 (SV07)	17:37	37 16:31 (SV07)	18:07	15 17:47 (SV06)	19:39		20:08	20:23		
28	07:03	15:50 (SV07)	06:26	15:56 (SV07)	05:41	17:31 (SV06)	05:54		05:24	05:21		
	17:01	41 16:31 (SV07)	17:38	34 16:30 (SV07)	18:09	16 17:47 (SV06)	19:40		20:09	20:23		
29	07:02	15:49 (SV07)			06:39	18:31 (SV06)	05:52		05:23	05:21		
	17:03	43 16:32 (SV07)			19:10	18 18:49 (SV06)	19:42		20:10	20:23		
30	07:01	15:49 (SV07)			06:38	18:30 (SV06)	05:51		05:23	05:22		
	17:04	45 16:34 (SV07)			19:11	20 18:50 (SV06)	19:43		20:11	20:23		
31	07:00	15:48 (SV07)			06:36	18:29 (SV06)			05:22			
	17:05	47 16:35 (SV07)			19:12	21 18:50 (SV06)			20:12			
Ore potenziali eliofanìa	299		298		370		398		447		450	
Totale, caso peggiore	397		1438		191		139					

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
 Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** F13-P167 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (2)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Luglio	Agosto	Settembre	Settembre	Ottobre	Ottobre	Novembre	Novembre	Dicembre	
1	05:22	05:46	06:15		06:44		06:18	15:14 (SV07)	06:52	
	20:23	20:05	19:23		18:33		16:47	56 16:10 (SV07)	16:24	
2	05:23	05:46	06:16		06:45		06:19	15:14 (SV07)	06:53	
	20:23	20:04	19:21		18:31		16:46	56 16:10 (SV07)	16:23	
3	05:23	05:47	06:17		06:46		06:20	15:14 (SV07)	06:54	
	20:23	20:03	19:19		18:30		16:45	55 16:09 (SV07)	16:23	
4	05:24	05:48	06:18		18:36 (SV06)	06:47	06:21	15:15 (SV07)	06:55	
	20:23	20:02	19:18	1	18:37 (SV06)	18:28	16:44	55 16:10 (SV07)	16:23	
5	05:24	05:49	06:19		18:30 (SV06)	06:48	06:22	15:15 (SV07)	06:56	
	20:23	20:00	19:16	12	18:42 (SV06)	18:26	16:43	54 16:09 (SV07)	16:23	
6	05:25	05:50	06:20		18:28 (SV06)	06:50	06:24	15:15 (SV07)	06:57	
	20:22	19:59	19:15	16	18:44 (SV06)	18:25	16:41	54 16:09 (SV07)	16:23	
7	05:25	05:51	06:21		18:25 (SV06)	06:51	06:25	15:16 (SV07)	06:58	
	20:22	19:58	19:13	19	18:44 (SV06)	18:23	16:40	52 16:08 (SV07)	16:23	
8	05:26	05:52	06:22		18:24 (SV06)	06:52	06:26	15:17 (SV07)	06:59	
	20:22	19:57	19:11	21	18:45 (SV06)	18:22	16:39	51 16:08 (SV07)	16:23	
9	05:27	05:53	06:23		18:23 (SV06)	06:53	06:27	15:18 (SV07)	07:00	
	20:21	19:56	19:10	22	18:45 (SV06)	18:20	16:38	49 16:07 (SV07)	16:22	
10	05:27	05:54	06:24		18:22 (SV06)	06:54	16:41 (SV07)	06:28	15:18 (SV07)	07:00
	20:21	19:54	19:08	23	18:45 (SV06)	18:18	16:53 (SV07)	16:37	48 16:06 (SV07)	16:23
11	05:28	05:55	06:25		18:21 (SV06)	06:55	16:36 (SV07)	06:29	15:19 (SV07)	07:01
	20:21	19:53	19:06	23	18:44 (SV06)	18:17	21 16:57 (SV07)	16:36	46 16:05 (SV07)	16:23
12	05:29	05:56	06:26		18:21 (SV06)	06:56	16:32 (SV07)	06:31	15:21 (SV07)	07:02
	20:20	19:52	19:05	22	18:43 (SV06)	18:15	28 17:00 (SV07)	16:35	44 16:05 (SV07)	16:23
13	05:29	05:57	06:27		18:21 (SV06)	06:57	16:30 (SV07)	06:32	15:21 (SV07)	07:03
	20:20	19:50	19:03	20	18:41 (SV06)	18:14	32 17:02 (SV07)	16:34	43 16:04 (SV07)	16:23
14	05:30	05:58	06:28		18:21 (SV06)	06:58	16:27 (SV07)	06:33	15:22 (SV07)	07:04
	20:19	19:49	19:01	18	18:39 (SV06)	18:12	36 17:03 (SV07)	16:34	41 16:03 (SV07)	16:23
15	05:31	05:59	06:29		18:21 (SV06)	06:59	16:25 (SV07)	06:34	15:23 (SV07)	07:04
	20:19	19:48	19:00	17	18:38 (SV06)	18:11	40 17:05 (SV07)	16:33	39 16:02 (SV07)	16:23
16	05:32	06:00	06:30		18:21 (SV06)	07:00	16:23 (SV07)	06:35	15:25 (SV07)	07:05
	20:18	19:46	18:58	15	18:36 (SV06)	18:09	43 17:06 (SV07)	16:32	37 16:02 (SV07)	16:24
17	05:32	06:01	06:31		18:22 (SV06)	07:01	16:22 (SV07)	06:36	15:27 (SV07)	07:06
	20:17	19:45	18:56	12	18:34 (SV06)	18:08	44 17:06 (SV07)	16:31	33 16:00 (SV07)	16:24
18	05:33	06:02	06:32		18:24 (SV06)	07:02	16:20 (SV07)	06:37	15:28 (SV07)	07:06
	20:17	19:44	18:55	9	18:33 (SV06)	18:06	47 17:07 (SV07)	16:30	31 15:59 (SV07)	16:24
19	05:34	06:03	06:33		18:25 (SV06)	07:03	16:20 (SV07)	06:39	15:30 (SV07)	07:07
	20:16	19:42	18:53	6	18:31 (SV06)	18:05	49 17:09 (SV07)	16:30	27 15:57 (SV07)	16:25
20	05:35	06:04	06:34		07:04		16:19 (SV07)	06:40	15:33 (SV07)	07:08
	20:15	19:41	18:51		18:03		50 17:09 (SV07)	16:29	23 15:56 (SV07)	16:25
21	05:36	06:05	06:35		07:05		16:18 (SV07)	06:41	15:35 (SV07)	07:08
	20:15	19:39	18:50		18:02		51 17:09 (SV07)	16:28	19 15:54 (SV07)	16:25
22	05:37	06:06	06:36		07:06		16:17 (SV07)	06:42	15:39 (SV07)	07:09
	20:14	19:38	18:48		18:00		53 17:10 (SV07)	16:28	12 15:51 (SV07)	16:26
23	05:37	06:07	06:37		07:08		16:16 (SV07)	06:43		07:09
	20:13	19:36	18:46		17:59		54 17:10 (SV07)	16:27		16:26
24	05:38	06:08	06:38		07:09		16:15 (SV07)	06:44		07:10
	20:12	19:35	18:45		17:58		55 17:10 (SV07)	16:26		16:27
25	05:39	06:09	06:39		06:10		15:15 (SV07)	06:45		07:10
	20:11	19:33	18:43		16:56		56 16:11 (SV07)	16:26		16:28
26	05:40	06:10	06:39		06:11		15:15 (SV07)	06:47		07:10
	20:11	19:32	18:41		16:55		56 16:11 (SV07)	16:25		16:28
27	05:41	06:11	06:40		06:12		15:14 (SV07)	06:48		07:11
	20:10	19:30	18:40		16:54		57 16:11 (SV07)	16:25		16:29
28	05:42	06:12	06:41		06:13		15:14 (SV07)	06:49		07:11
	20:09	19:29	18:38		16:52		57 16:11 (SV07)	16:25		16:29
29	05:43	06:13	06:42		06:14		15:13 (SV07)	06:50		07:11
	20:08	19:27	18:36		16:51		57 16:10 (SV07)	16:24		16:30
30	05:44	06:13	06:43		06:15		15:14 (SV07)	06:51		07:12
	20:07	19:26	18:35		16:50		57 16:11 (SV07)	16:24		16:31
31	05:45	06:14			06:17		15:14 (SV07)			07:12
	20:06	19:24			16:48		57 16:11 (SV07)			16:32
Ore potenziali eliofanìa	457	427	375		346		299			290
Totale, caso peggiore			256		1012		925			

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
 Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** F14-P276 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 0,0° (17)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre		
1	07:12	08:31 (SV12)	07:00	06:24	06:35	05:50	05:22	05:22	05:46	06:15	06:45	06:18	06:52	15:39 (SV04)
2	16:33	21 16:07 (SV04)	17:06	17:40	19:13	19:44	20:12	20:23	20:05	19:23	18:33	16:47	16:24	20 15:59 (SV04)
3	07:12	15:55 (SV04)	06:59	06:23	06:33	05:48	05:21	05:23	05:46	06:16	06:46	06:19	06:53	15:39 (SV04)
4	16:34	13 16:08 (SV04)	17:08	17:41	19:14	19:45	20:13	20:23	20:04	19:21	18:31	16:46	16:23	19 15:58 (SV04)
5	07:13	15:55 (SV04)	06:58	06:21	06:31	05:47	05:21	05:23	05:47	06:17	06:47	06:20	06:54	15:39 (SV04)
6	16:34	14 16:09 (SV04)	17:09	17:42	19:15	19:46	20:14	20:23	20:03	19:19	18:30	16:45	16:23	19 15:58 (SV04)
7	07:13	15:54 (SV04)	06:57	06:20	06:30	05:46	05:20	05:24	05:48	06:18	06:48	06:21	06:55	15:40 (SV04)
8	16:35	15 16:09 (SV04)	17:10	17:43	19:16	19:47	20:15	20:23	20:02	19:18	18:28	16:44	16:23	18 15:58 (SV04)
9	07:13	15:54 (SV04)	06:56	06:18	06:28	05:45	05:20	05:24	05:49	06:19	06:49	06:22	06:56	15:40 (SV04)
10	16:36	16 16:10 (SV04)	17:11	17:44	19:17	19:48	20:15	20:23	20:00	19:16	18:26	16:43	16:23	18 15:58 (SV04)
11	07:13	15:55 (SV04)	06:55	06:17	06:27	05:44	05:20	05:25	05:50	06:20	06:50	06:24	06:57	15:41 (SV04)
12	16:37	16 16:11 (SV04)	17:12	17:45	19:18	19:49	20:16	20:22	19:59	19:15	18:25	16:41	16:23	16 15:57 (SV04)
13	07:13	15:57 (SV04)	06:53	06:15	06:25	05:42	05:19	05:25	05:51	06:21	06:51	06:25	06:58	15:42 (SV04)
14	16:38	17 16:12 (SV04)	17:14	17:46	19:19	19:50	20:17	20:22	19:58	19:13	18:23	16:40	16:23	15 15:57 (SV04)
15	07:12	15:56 (SV04)	06:52	06:14	06:23	05:41	05:19	05:26	05:52	06:22	06:52	06:26	06:59	15:42 (SV04)
16	16:39	18 16:14 (SV04)	17:15	17:47	19:20	19:51	20:17	20:22	19:57	19:11	18:22	16:39	16:23	15 15:57 (SV04)
17	07:12	15:56 (SV04)	06:51	06:12	06:22	05:40	05:19	05:27	05:53	06:23	06:53	06:27	07:00	15:43 (SV04)
18	16:40	19 16:15 (SV04)	17:16	17:49	19:21	19:52	20:18	20:21	19:56	19:10	18:20	16:38	16:23	14 15:57 (SV04)
19	07:12	15:57 (SV04)	06:50	06:10	06:20	05:39	05:19	05:27	05:54	06:24	06:54	06:28	07:00	15:44 (SV04)
20	16:41	19 16:16 (SV04)	17:17	17:50	19:22	19:53	20:18	20:21	19:54	19:08	18:18	16:37	16:23	14 15:57 (SV04)
21	07:12	15:57 (SV04)	06:49	06:09	06:19	05:38	05:19	05:28	05:55	06:25	06:55	06:29	07:01	08:22 (SV12)
22	16:42	20 16:17 (SV04)	17:19	17:51	19:23	19:54	20:19	20:21	19:53	19:06	18:17	16:36	16:23	21 15:58 (SV04)
23	07:12	15:57 (SV04)	06:48	06:07	06:17	05:37	05:18	05:29	05:56	06:26	06:56	06:31	07:02	08:20 (SV12)
24	16:43	21 16:18 (SV04)	17:20	17:52	19:24	19:55	20:19	20:20	19:52	19:05	18:15	16:35	16:23	23 15:57 (SV04)
25	07:11	15:58 (SV04)	06:46	06:06	06:15	05:36	05:18	05:29	05:57	06:27	06:57	06:32	07:03	08:20 (SV12)
26	16:44	21 16:19 (SV04)	17:21	17:53	19:25	19:56	20:20	20:20	19:51	19:03	18:14	16:34	16:23	24 15:57 (SV04)
27	07:11	15:58 (SV04)	06:45	06:04	06:14	05:35	05:18	05:30	05:58	06:28	06:58	06:33	07:04	08:19 (SV12)
28	16:45	22 16:20 (SV04)	17:22	17:54	19:26	19:57	20:20	20:19	19:49	19:01	18:12	16:34	16:23	27 15:58 (SV04)
29	07:11	15:59 (SV04)	06:44	06:02	06:12	05:34	05:18	05:31	05:59	06:29	06:59	06:34	07:04	08:19 (SV12)
30	16:46	23 16:22 (SV04)	17:23	17:55	19:27	19:58	20:21	20:19	19:48	19:00	18:11	16:33	16:23	27 15:58 (SV04)
31	07:10	15:59 (SV04)	06:43	06:01	06:11	05:33	05:18	05:32	06:00	06:30	07:00	06:35	07:05	08:19 (SV12)
1	16:47	23 16:22 (SV04)	17:25	17:56	19:28	19:59	20:21	20:18	19:47	18:58	18:09	16:32	16:24	27 15:58 (SV04)
2	07:10	16:00 (SV04)	06:41	05:59	06:09	05:32	05:18	05:32	06:01	06:31	07:01	06:36	07:06	08:19 (SV12)
3	16:49	22 16:22 (SV04)	17:26	17:57	19:29	20:00	20:21	20:18	19:45	18:56	18:08	16:31	16:24	28 15:58 (SV04)
4	07:09	16:00 (SV04)	06:40	05:58	06:08	05:31	05:18	05:33	06:02	06:32	07:02	06:38	07:06	08:20 (SV12)
5	16:50	22 16:22 (SV04)	17:27	17:58	19:30	20:01	20:22	20:17	19:44	18:55	18:06	16:30	16:24	28 15:59 (SV04)
6	07:09	16:02 (SV04)	06:39	05:56	06:06	05:30	05:19	05:34	06:03	06:33	07:03	06:39	07:07	08:19 (SV12)
7	16:51	20 16:22 (SV04)	17:28	17:59	19:31	20:01	20:22	20:16	19:42	18:53	18:05	16:30	16:25	29 15:59 (SV04)
8	07:08	16:02 (SV04)	06:37	05:54	06:05	05:29	05:19	05:35	06:04	06:34	07:04	06:40	07:08	08:20 (SV12)
9	16:52	19 16:21 (SV04)	17:29	18:00	19:32	20:02	20:22	20:16	19:41	18:51	18:03	16:29	16:25	29 16:00 (SV04)
10	07:08	16:03 (SV04)	06:36	05:53	06:03	05:29	05:19	05:36	06:05	06:35	07:05	06:41	07:08	08:20 (SV12)
11	16:53	18 16:21 (SV04)	17:30	18:01	19:33	20:03	20:23	20:15	19:39	18:50	18:02	16:28	16:25	29 16:00 (SV04)
12	07:07	16:05 (SV04)	06:35	05:51	06:02	05:28	05:19	05:37	06:06	06:36	07:07	06:42	07:09	08:21 (SV12)
13	16:54	16 16:21 (SV04)	17:32	18:02	19:34	20:04	20:23	20:14	19:38	18:48	18:00	16:28	16:26	29 16:01 (SV04)
14	07:07	16:06 (SV04)	06:33	05:49	06:01	05:27	05:19	05:37	06:07	06:37	07:08	06:43	07:09	08:21 (SV12)
15	16:56	13 16:19 (SV04)	17:33	18:03	19:35	20:05	20:23	20:13	19:37	18:46	17:59	16:27	16:26	29 16:01 (SV04)
16	07:06	16:08 (SV04)	06:32	05:48	05:59	05:26	05:20	05:38	06:08	06:38	07:09	06:44	07:10	08:22 (SV12)
17	16:57	9 16:17 (SV04)	17:34	18:04	19:36	20:06	20:23	20:12	19:35	18:45	17:58	16:27	16:27	29 16:02 (SV04)
18	07:05		06:30	05:46	05:58	05:26	05:20	05:39	06:09	06:39	06:10	06:46	07:10	08:22 (SV12)
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20	07:05		06:29	05:44	05:56	05:25	05:20	05:40	06:10	06:40	06:11	06:47	07:11	08:23 (SV12)
21	16:59		17:36	18:07	19:39	20:08	20:23	20:11	19:32	18:41	16:55	16:25	16:28	28 16:02 (SV04)
22	07:04		06:27	05:43	05:55	05:24	05:21	05:41	06:11	06:41	06:12	06:48	07:11	08:24 (SV12)
23	17:00		17:37	18:08	19:40	20:09	20:23	20:10	19:30	18:40	16:54	16:25	16:29	28 16:04 (SV04)
24	07:03		06:26	05:41	05:54	05:24	05:21	05:42	06:12	06:42	06:13	06:49	07:11	08:25 (SV12)
25	17:02		17:39	18:09	19:41	20:09	20:23	20:09	19:29	18:38	16:52	16:25	16:30	27 16:04 (SV04)
26	07:02			06:40	05:52	05:23	05:21	05:43	06:13	06:43	06:14	06:50	07:12	08:26 (SV12)
27	17:03			19:10	19:42	20:10	20:23	20:08	19:27	18:36	16:51	16:24	16:30	27 16:05 (SV04)
28	07:01			06:38	05:51	05:23	05:22	05:44	06:14	06:44	06:16	06:51	07:12	08:27 (SV12)
29	17:04			19:11	19:43	20:11	20:23	20:07	19:26	18:35	16:50	16:24	16:31	25 16:05 (SV04)
30	07:00			06:36		05:22		05:45	06:14		06:17		07:12	08:28 (SV12)
31	17:05			19:12		20:12		20:06	19:24		16:48		16:32	24 16:06 (SV04)
Ore potenziali eliofanía	299		298		398	447	450	457	427	375	346	299	290	
Totale, caso peggiore	437		370									249		735

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
 Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** F14-P562 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (19)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:12 16:33	06:59 17:06	06:24 17:40	06:35 19:13	05:50 19:44	05:22 20:12	05:22 20:23	05:46 20:05	06:15 19:23	06:45 18:33	06:18 16:47	06:52 16:24
2	07:12 16:34	06:59 17:08	06:23 17:41	06:33 19:14	05:48 19:45	05:21 20:13	05:23 20:23	05:46 20:04	06:16 19:21	06:46 18:31	06:19 16:46	06:53 16:23
3	07:12 16:34	06:58 17:09	06:21 17:42	06:31 19:15	05:47 19:46	05:21 20:14	05:23 20:23	05:47 20:03	06:17 19:19	06:47 18:30	06:20 16:45	06:54 16:23
4	07:13 16:35	06:57 17:10	06:20 17:43	06:30 19:16	05:46 19:47	05:20 20:15	05:24 20:23	05:48 20:02	06:18 19:18	06:48 18:28	06:21 16:44	06:55 16:23
5	07:13 16:36	06:56 17:11	06:18 17:44	06:28 19:17	05:45 19:48	05:20 20:15	05:24 20:23	05:49 20:00	06:19 19:16	06:49 18:26	06:22 16:43	06:56 16:23
6	07:13 16:37	06:54 17:12	06:17 17:45	06:26 19:18	05:44 19:49	05:20 20:16	05:25 20:22	05:50 19:59	06:20 19:15	06:50 18:25	06:24 16:41	06:57 16:23
7	07:12 16:38	06:53 17:14	06:15 17:46	06:25 19:19	05:42 19:50	05:19 20:17	05:25 20:22	05:51 19:58	06:21 19:13	06:51 18:23	06:25 16:40	06:58 16:23
8	07:12 16:39	06:52 17:15	06:14 17:47	06:23 19:20	05:41 19:51	05:19 20:17	05:26 20:22	05:52 19:57	06:22 19:11	06:52 18:22	06:26 16:39	06:59 16:23
9	07:12 16:40	06:51 17:16	06:12 17:48	06:22 19:21	05:40 19:52	05:19 20:18	05:27 20:21	05:53 19:56	06:23 19:10	06:53 18:20	06:27 16:38	07:00 16:23
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12	07:12 16:43	06:48 17:20	06:07 17:52	06:17 19:24	05:37 19:55	05:18 20:19	05:29 20:20	05:56 19:52	06:26 19:05	06:56 18:15	06:31 16:35	07:02 16:23
13	07:11 16:44	06:46 17:21	06:06 17:53	06:15 19:25	05:36 19:56	05:18 20:20	05:29 20:20	05:57 19:51	06:27 19:03	06:57 18:14	06:32 16:34	07:03 16:23
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16	07:10 16:47	06:43 17:25	06:01 17:56	06:11 19:28	05:33 19:59	05:18 20:21	05:32 20:18	06:00 19:47	06:30 18:58	07:00 18:09	06:35 16:32	07:05 16:24
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21	07:08 16:53	06:36 17:30	05:53 18:01	06:03 19:33	05:29 20:03	05:19 20:23	05:36 20:15	06:05 19:39	06:35 18:50	07:05 18:02	06:41 16:28	07:08 16:25
22	07:07 16:54	06:35 17:32	05:51 18:02	06:02 19:34	05:28 20:04	05:19 20:23	05:37 20:14	06:06 19:38	06:36 18:48	07:06 18:00	06:42 16:28	07:09 16:26
23	07:07 16:55	06:33 17:33	05:49 18:03	06:01 19:35	05:27 20:05	05:19 20:23	05:37 20:13	06:07 19:36	06:37 18:46	07:08 17:59	06:43 16:27	07:09 16:26
24	07:06 16:57	06:32 17:34	05:48 18:04	05:59 19:36	05:26 20:06	05:20 20:23	05:38 20:12	06:08 19:35	06:38 18:45	07:09 17:58	06:44 16:26	07:10 16:27
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30	07:01 17:04		06:38 19:11	05:51 19:43	05:23 20:11	05:22 20:23	05:44 20:07	06:13 19:26	06:44 18:35	06:15 16:50	06:51 16:24	07:12 16:31
31	07:00 17:05		06:36 19:12		05:22 20:12		05:45 20:06	06:14 19:24		06:17 16:48		07:12 16:32
Ore potenziali eliofanìa	299	298	370	398	447	450	457	427	375	346	299	290
Totale, caso peggiore												

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra
 Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** F14-P566 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (20)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:12 16:33	06:59 17:06	06:24 17:40	06:35 19:13	05:50 19:44	05:22 20:12	05:22 20:23	05:46 20:05	06:15 19:23	06:44 18:33	06:18 16:47	06:52 16:24
2	07:12 16:34	06:59 17:08	06:23 17:41	06:33 19:14	05:48 19:45	05:21 20:13	05:23 20:23	05:46 20:04	06:16 19:21	06:45 18:31	06:19 16:46	06:53 16:23
3	07:12 16:34	06:58 17:09	06:21 17:42	06:31 19:15	05:47 19:46	05:21 20:14	05:23 20:23	05:47 20:03	06:17 19:19	06:47 18:30	06:20 16:45	06:54 16:23
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20	07:08 16:52	06:37 17:29	05:54 18:00	06:05 19:32	05:29 20:02	05:19 20:22	05:35 20:15	06:04 19:41	06:34 18:51	07:04 18:03	06:40 16:29	07:08 16:25
21	07:08 16:53	06:36 17:30	05:53 18:01	06:03 19:33	05:29 20:03	05:19 20:23	05:36 20:15	06:05 19:39	06:35 18:50	07:05 18:02	06:41 16:28	07:08 16:25
22	07:07 16:54	06:35 17:32	05:51 18:02	06:02 19:34	05:28 20:04	05:19 20:23	05:37 20:14	06:06 19:38	06:36 18:48	07:06 18:00	06:42 16:28	07:09 16:26
23	07:07 16:55	06:33 17:33	05:49 18:03	06:01 19:35	05:27 20:05	05:19 20:23	05:37 20:13	06:07 19:36	06:37 18:46	07:08 17:59	06:43 16:27	07:09 16:26
24	07:06 16:57	06:32 17:34	05:48 18:04	05:59 19:36	05:26 20:06	05:20 20:23	05:38 20:12	06:08 19:35	06:38 18:45	07:09 17:58	06:44 16:26	07:10 16:27
25	07:05 16:58	06:30 17:35	05:46 18:05	05:58 19:37	05:26 20:07	05:20 20:23	05:39 20:12	06:09 19:33	06:39 18:43	06:10 16:56	06:45 16:26	07:10 16:28
26	07:05 16:59	06:29 17:36	05:44 18:06	05:56 19:38	05:25 20:08	05:20 20:23	05:40 20:11	06:10 19:32	06:40 18:41	06:11 16:55	06:47 16:25	07:11 16:28
27	07:04 17:00	06:27 17:37	05:43 18:08	05:55 19:40	05:24 20:08	05:20 20:23	05:41 20:10	06:11 19:30	06:41 18:40	06:12 16:54	06:48 16:25	07:11 16:29
28	07:03 17:01	06:26 17:38	05:41 18:09	05:54 19:41	05:24 20:09	05:21 20:23	05:42 20:09	06:12 19:29	06:42 18:38	06:13 16:52	06:49 16:25	07:11 16:29
29	07:02 17:03		06:39 19:10	05:52 19:42	05:23 20:10	05:21 20:23	05:43 20:08	06:13 19:27	06:43 18:36	06:14 16:51	06:50 16:24	07:11 16:30
30	07:01 17:04		06:38 19:11	05:51 19:43	05:23 20:11	05:22 20:23	05:44 20:07	06:13 19:26	06:43 18:35	06:15 16:50	06:51 16:24	07:12 16:31
31	07:00 17:05		06:36 19:12		05:22 20:12		05:45 20:06	06:14 19:24		06:17 16:48		07:12 16:32
Ore potenziali eliofanìa	299	298	370	398	447	450	457	427	375	346	299	290
Totale, caso peggiore												

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra
 Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** F14-P660 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (18)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:12 16:33	06:59 17:06	06:24 17:40	06:35 19:13	05:50 19:44	05:22 20:12	05:22 20:23	05:46 20:05	06:15 19:23	06:45 18:33	06:18 16:47	06:52 16:24
2	07:12 16:34	06:59 17:08	06:23 17:41	06:33 19:14	05:48 19:45	05:21 20:13	05:23 20:23	05:46 20:04	06:16 19:21	06:46 18:31	06:19 16:46	06:53 16:23
3	07:12 16:34	06:58 17:09	06:21 17:42	06:31 19:15	05:47 19:46	05:21 20:14	05:23 20:23	05:47 20:03	06:17 19:19	06:47 18:30	06:20 16:45	06:54 16:23
4	07:13 16:35	06:57 17:10	06:20 17:43	06:30 19:16	05:46 19:47	05:20 20:15	05:24 20:23	05:48 20:02	06:18 19:18	06:48 18:28	06:21 16:44	06:55 16:23
5	07:13 16:36	06:56 17:11	06:18 17:44	06:28 19:17	05:45 19:48	05:20 20:15	05:24 20:23	05:49 20:00	06:19 19:16	06:49 18:26	06:22 16:43	06:56 16:23
6	07:13 16:37	06:55 17:12	06:17 17:45	06:26 19:18	05:44 19:49	05:20 20:16	05:25 20:22	05:50 19:59	06:20 19:15	06:50 18:25	06:24 16:41	06:57 16:23
7	07:12 16:38	06:53 17:14	06:15 17:46	06:25 19:19	05:42 19:50	05:19 20:17	05:25 20:22	05:51 19:58	06:21 19:13	06:51 18:23	06:25 16:40	06:58 16:23
8	07:12 16:39	06:52 17:15	06:14 17:47	06:23 19:20	05:41 19:51	05:19 20:17	05:26 20:22	05:52 19:57	06:22 19:11	06:52 18:22	06:26 16:39	06:59 16:23
9	07:12 16:40	06:51 17:16	06:12 17:48	06:22 19:21	05:40 19:52	05:19 20:18	05:27 20:21	05:53 19:56	06:23 19:10	06:53 18:20	06:27 16:38	07:00 16:23
10	07:12 16:41	06:50 17:17	06:10 17:50	06:20 19:22	05:39 19:53	05:19 20:18	05:27 20:21	05:54 19:54	06:24 19:08	06:54 18:18	06:28 16:37	07:00 16:23
11	07:12 16:42	06:49 17:19	06:09 17:51	06:19 19:23	05:38 19:54	05:19 20:19	05:28 20:21	05:55 19:53	06:25 19:06	06:55 18:17	06:29 16:36	07:01 16:23
12	07:12 16:43	06:48 17:20	06:07 17:52	06:17 19:24	05:37 19:55	05:18 20:19	05:29 20:20	05:56 19:52	06:26 19:05	06:56 18:15	06:31 16:35	07:02 16:23
13	07:11 16:44	06:46 17:21	06:06 17:53	06:15 19:25	05:36 19:56	05:18 20:20	05:29 20:20	05:57 19:51	06:27 19:03	06:57 18:14	06:32 16:34	07:03 16:23
14	07:11 16:45	06:45 17:22	06:04 17:54	06:14 19:26	05:35 19:57	05:18 20:20	05:30 20:19	05:58 19:49	06:28 19:01	06:58 18:12	06:33 16:34	07:04 16:23
15	07:11 16:46	06:44 17:23	06:02 17:55	06:12 19:27	05:34 19:58	05:18 20:21	05:31 20:19	05:59 19:48	06:29 19:00	06:59 18:11	06:34 16:33	07:04 16:23
16	07:10 16:47	06:43 17:25	06:01 17:56	06:11 19:28	05:33 19:59	05:18 20:21	05:32 20:18	06:00 19:47	06:30 18:58	07:00 18:09	06:35 16:32	07:05 16:24
17	07:10 16:49	06:41 17:26	05:59 17:57	06:09 19:29	05:32 20:00	05:18 20:21	05:32 20:18	06:01 19:45	06:31 18:56	07:01 18:08	06:36 16:31	07:06 16:24
18	07:09 16:50	06:40 17:27	05:58 17:58	06:08 19:30	05:31 20:01	05:18 20:22	05:33 20:17	06:02 19:44	06:32 18:55	07:02 18:06	06:38 16:30	07:06 16:24
19	07:09 16:51	06:39 17:28	05:56 17:59	06:06 19:31	05:30 20:01	05:19 20:22	05:34 20:16	06:03 19:42	06:33 18:53	07:03 18:05	06:39 16:30	07:07 16:25
20	07:08 16:52	06:37 17:29	05:54 18:00	06:05 19:32	05:29 20:02	05:19 20:22	05:35 20:16	06:04 19:41	06:34 18:51	07:04 18:03	06:40 16:29	07:08 16:25
21	07:08 16:53	06:36 17:30	05:53 18:01	06:03 19:33	05:29 20:03	05:19 20:23	05:36 20:15	06:05 19:39	06:35 18:50	07:05 18:02	06:41 16:28	07:08 16:25
22	07:07 16:54	06:35 17:32	05:51 18:02	06:02 19:34	05:28 20:04	05:19 20:23	05:37 20:14	06:06 19:38	06:36 18:48	07:07 18:00	06:42 16:28	07:09 16:26
23	07:07 16:55	06:33 17:33	05:49 18:03	06:01 19:35	05:27 20:05	05:19 20:23	05:37 20:13	06:07 19:36	06:37 18:46	07:08 17:59	06:43 16:27	07:09 16:26
24	07:06 16:57	06:32 17:34	05:48 18:04	05:59 19:36	05:26 20:06	05:20 20:23	05:38 20:12	06:08 19:35	06:38 18:45	07:09 17:58	06:44 16:26	07:10 16:27
25	07:05 16:58	06:30 17:35	05:46 18:05	05:58 19:37	05:26 20:07	05:20 20:23	05:39 20:12	06:09 19:34	06:39 18:43	06:10 16:56	06:46 16:26	07:10 16:28
26	07:05 16:59	06:29 17:36	05:44 18:06	05:56 19:39	05:25 20:08	05:20 20:23	05:40 20:11	06:10 19:32	06:40 18:41	06:11 16:55	06:47 16:25	07:11 16:28
27	07:04 17:00	06:27 17:37	05:43 18:08	05:55 19:40	05:24 20:09	05:20 20:23	05:41 20:10	06:11 19:30	06:41 18:40	06:12 16:54	06:48 16:25	07:11 16:29
28	07:03 17:01	06:26 17:38	05:41 18:09	05:54 19:41	05:24 20:09	05:21 20:23	05:42 20:09	06:12 19:29	06:42 18:38	06:13 16:52	06:49 16:25	07:11 16:29
29	07:02 17:03		06:39 19:10	05:52 19:42	05:23 20:10	05:21 20:23	05:43 20:08	06:13 19:27	06:43 18:36	06:14 16:51	06:50 16:24	07:12 16:30
30	07:01 17:04		06:38 19:11	05:51 19:43	05:23 20:11	05:22 20:23	05:44 20:07	06:14 19:26	06:44 18:35	06:16 16:50	06:51 16:24	07:12 16:31
31	07:00 17:05		06:36 19:12		05:22 20:12		05:45 20:06	06:14 19:24		06:17 16:48		07:12 16:32
Ore potenziali eliofanìa	299	298	370	398	447	450	457	427	375	346	299	290
Totale, caso peggiore												

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra
 Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** F2-P9 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (7)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno			
1	07:12 16:33	06:59 17:06	16:23 (SV14) 16:41 (SV14)	06:24 17:40	16:23 (SV14) 16:42 (SV14)	06:34 19:13	18:27 (SV13) 18:52 (SV13)	05:50 19:43	05:22 20:12
2	07:12 16:34	06:58 17:08	16:21 (SV14) 16:43 (SV14)	06:23 17:41	16:26 (SV14) 16:38 (SV14)	06:33 19:14	18:26 (SV13) 18:52 (SV13)	05:48 19:44	05:21 20:13
3	07:12 16:34	06:57 17:09	16:20 (SV14) 16:45 (SV14)	06:21 17:42		06:31 19:15	18:26 (SV13) 18:53 (SV13)	05:47 19:45	05:21 20:14
4	07:12 16:35	06:56 17:10	16:18 (SV14) 16:47 (SV14)	06:20 17:43		06:30 19:16	18:26 (SV13) 18:54 (SV13)	05:46 19:47	05:20 20:14
5	07:12 16:36	06:55 17:11	16:17 (SV14) 16:48 (SV14)	06:18 17:44		06:28 19:17	18:26 (SV13) 18:53 (SV13)	05:45 19:48	05:20 20:15
6	07:12 16:37	06:54 17:12	16:16 (SV14) 16:49 (SV14)	06:17 17:45		06:26 19:18	18:27 (SV13) 18:52 (SV13)	05:43 19:49	05:20 20:16
7	07:12 16:38	06:53 17:14	16:15 (SV14) 16:51 (SV14)	06:15 17:46		06:25 19:19	18:27 (SV13) 18:51 (SV13)	05:42 19:50	05:19 20:16
8	07:12 16:39	06:52 17:15	16:15 (SV14) 16:52 (SV14)	06:13 17:47		06:23 19:20	18:27 (SV13) 18:49 (SV13)	05:41 19:51	05:19 20:17
9	07:12 16:40	06:51 17:16	16:13 (SV14) 16:52 (SV14)	06:12 17:48		06:22 19:21	18:29 (SV13) 18:48 (SV13)	05:40 19:52	05:19 20:17
10	07:12 16:41	06:50 17:17	16:13 (SV14) 16:53 (SV14)	06:10 17:49		06:20 19:22	18:30 (SV13) 18:45 (SV13)	05:39 19:53	05:19 20:18
11	07:12 16:42	06:49 17:18	16:13 (SV14) 16:54 (SV14)	06:09 17:51		06:18 19:23	18:33 (SV13) 18:43 (SV13)	05:38 19:54	05:19 20:19
12	07:11 16:43	06:47 17:20	16:13 (SV14) 16:54 (SV14)	06:07 17:52		06:17 19:24		05:37 19:55	05:18 20:19
13	07:11 16:44	06:46 17:21	16:13 (SV14) 16:55 (SV14)	06:06 17:53		06:15 19:25		05:36 19:56	05:18 20:20
14	07:11 16:45	06:45 17:22	16:12 (SV14) 16:54 (SV14)	06:04 17:54		06:14 19:26		05:35 19:56	05:18 20:20
15	07:10 16:46	06:44 17:23	16:12 (SV14) 16:55 (SV14)	06:02 17:55		06:12 19:27		05:34 19:57	05:18 20:20
16	07:10 16:47	06:42 17:24	16:12 (SV14) 16:55 (SV14)	06:01 17:56		06:11 19:28		05:33 19:58	05:18 20:21
17	07:10 16:49	06:41 17:26	16:11 (SV14) 16:55 (SV14)	05:59 17:57		06:09 19:29		05:32 19:59	05:18 20:21
18	07:09 16:50	06:40 17:27	16:12 (SV14) 16:55 (SV14)	05:57 17:58		06:08 19:30		05:31 20:00	05:18 20:21
19	07:09 16:51	06:39 17:28	16:13 (SV14) 16:55 (SV14)	05:56 17:59		06:06 19:31		05:30 20:01	05:19 20:22
20	07:08 16:52	06:37 17:29	16:12 (SV14) 16:54 (SV14)	05:54 18:00		06:05 19:32		05:29 20:02	05:19 20:22
21	07:08 16:53	06:36 17:30	16:13 (SV14) 16:54 (SV14)	05:52 18:01		06:03 19:33		05:28 20:03	05:19 20:22
22	07:07 16:54	06:34 17:32	16:13 (SV14) 16:52 (SV14)	05:51 18:02		06:02 19:34		05:28 20:04	05:19 20:23
23	07:06 16:55	06:33 17:33	16:14 (SV14) 16:52 (SV14)	05:49 18:03		06:00 19:35		05:27 20:05	05:19 20:23
24	07:06 16:57	06:32 17:34	16:14 (SV14) 16:51 (SV14)	05:48 18:04		05:59 19:36		05:26 20:06	05:20 20:23
25	07:05 16:58	06:30 17:35	16:16 (SV14) 16:50 (SV14)	05:46 18:05	17:37 (SV13)	05:58 19:37		05:26 20:07	05:20 20:23
26	07:04 16:59	06:29 17:36	16:18 (SV14) 16:49 (SV14)	05:44 18:06	17:44 (SV13) 17:35 (SV13)	05:56 19:38		05:25 20:07	05:20 20:23
27	07:04 17:00	06:27 17:37	16:19 (SV14) 16:47 (SV14)	05:43 18:07	17:46 (SV13) 17:32 (SV13)	05:55 19:39		05:24 20:08	05:20 20:23
28	07:03 17:01	06:26 17:38	16:21 (SV14) 16:45 (SV14)	05:41 18:08	17:47 (SV13) 17:30 (SV13)	05:54 19:40		05:24 20:09	05:21 20:23
29	07:02 17:03			06:39 19:09	17:47 (SV13) 18:30 (SV13)	05:52 19:41		05:23 20:10	05:21 20:23
30	07:01 17:04			06:38 19:10	18:28 (SV13) 18:50 (SV13)	05:51 19:42		05:23 20:11	05:22 20:23
31	07:00 17:05	16:27 (SV14) 16:37 (SV14)		06:36 19:12	18:27 (SV13) 18:50 (SV13)			05:22 20:11	
Ore potenziali eliofanìa	299	298	370	398	446	450			
Totale, caso peggiore	10	1005	145	248					

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** F2-P9 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (7)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Luglio	Agosto	Settembre		Ottobre		Novembre		Dicembre	
1	05:22	05:45	06:15		18:32 (SV13)	06:44		06:18	15:43 (SV14)	06:52
	20:23	20:05	19:22	10	18:42 (SV13)	18:33		16:47	40 16:23 (SV14)	16:24
2	05:23	05:46	06:16		18:29 (SV13)	06:45		06:19	15:43 (SV14)	06:53
	20:23	20:04	19:21	15	18:44 (SV13)	18:31		16:46	39 16:22 (SV14)	16:23
3	05:23	05:47	06:17		18:27 (SV13)	06:46		06:20	15:44 (SV14)	06:54
	20:23	20:02	19:19	19	18:46 (SV13)	18:30		16:45	37 16:21 (SV14)	16:23
4	05:24	05:48	06:18		18:25 (SV13)	06:47		06:21	15:45 (SV14)	06:55
	20:23	20:01	19:18	22	18:47 (SV13)	18:28		16:44	36 16:21 (SV14)	16:23
5	05:24	05:49	06:19		18:24 (SV13)	06:48		06:22	15:46 (SV14)	06:56
	20:22	20:00	19:16	24	18:48 (SV13)	18:26		16:43	33 16:19 (SV14)	16:23
6	05:25	05:50	06:20		18:22 (SV13)	06:49		06:23	15:47 (SV14)	06:57
	20:22	19:59	19:14	25	18:47 (SV13)	18:25		16:41	31 16:18 (SV14)	16:23
7	05:25	05:51	06:21		18:21 (SV13)	06:50		06:25	15:48 (SV14)	06:58
	20:22	19:58	19:13	27	18:48 (SV13)	18:23		16:40	28 16:16 (SV14)	16:23
8	05:26	05:52	06:22		18:20 (SV13)	06:51		06:26	15:51 (SV14)	06:58
	20:22	19:57	19:11	28	18:48 (SV13)	18:22		16:39	25 16:16 (SV14)	16:22
9	05:27	05:53	06:23		18:20 (SV13)	06:52		06:27	15:52 (SV14)	06:59
	20:21	19:55	19:10	27	18:47 (SV13)	18:20		16:38	22 16:14 (SV14)	16:22
10	05:27	05:54	06:24		18:19 (SV13)	06:54		06:28	15:54 (SV14)	07:00
	20:21	19:54	19:08	27	18:46 (SV13)	18:18		16:37	17 16:11 (SV14)	16:23
11	05:28	05:55	06:25		18:19 (SV13)	06:55	17:05 (SV14)	06:29	15:58 (SV14)	07:01
	20:20	19:53	19:06	25	18:44 (SV13)	18:17	3 17:08 (SV14)	16:36	10 16:08 (SV14)	16:23
12	05:29	05:56	06:26		18:19 (SV13)	06:56		16:58 (SV14)		07:02
	20:20	19:52	19:05	24	18:43 (SV13)	18:15	16 17:14 (SV14)	16:35		16:23
13	05:29	05:57	06:27		18:19 (SV13)	06:57		16:55 (SV14)		07:03
	20:19	19:50	19:03	22	18:41 (SV13)	18:14	22 17:17 (SV14)	16:34		16:23
14	05:30	05:58	06:28		18:20 (SV13)	06:58		16:52 (SV14)		07:03
	20:19	19:49	19:01	19	18:39 (SV13)	18:12	26 17:18 (SV14)	16:34		16:23
15	05:31	05:59	06:29		18:20 (SV13)	06:59		16:50 (SV14)		07:04
	20:18	19:48	19:00	18	18:38 (SV13)	18:11	30 17:20 (SV14)	16:33		16:23
16	05:32	06:00	06:30		18:21 (SV13)	07:00		16:49 (SV14)		07:05
	20:18	19:46	18:58	15	18:36 (SV13)	18:09	32 17:21 (SV14)	16:32		16:24
17	05:32	06:01	06:31		18:23 (SV13)	07:01		16:47 (SV14)		07:06
	20:17	19:45	18:56	11	18:34 (SV13)	18:08	35 17:22 (SV14)	16:31		16:24
18	05:33	06:02	06:32		18:25 (SV13)	07:02		16:46 (SV14)		07:06
	20:17	19:44	18:55	8	18:33 (SV13)	18:06	36 17:22 (SV14)	16:30		16:24
19	05:34	06:03	06:33			07:03		16:44 (SV14)		07:07
	20:16	19:42	18:53			18:05	39 17:23 (SV14)	16:30		16:25
20	05:35	06:04	06:34			07:04		16:44 (SV14)		07:07
	20:15	19:41	18:51			18:03	40 17:24 (SV14)	16:29		16:25
21	05:36	06:05	06:35			07:05		16:44 (SV14)		07:08
	20:15	19:39	18:49			18:02	40 17:24 (SV14)	16:28		16:25
22	05:37	06:06	06:36			07:06		16:43 (SV14)		07:08
	20:14	19:38	18:48			18:00	42 17:25 (SV14)	16:28		16:26
23	05:37	06:07	06:36			07:07		16:42 (SV14)		07:09
	20:13	19:36	18:46			17:59	43 17:25 (SV14)	16:27		16:26
24	05:38	06:08	06:37			07:09		16:42 (SV14)		07:09
	20:12	19:35	18:44			17:58	42 17:24 (SV14)	16:26		16:27
25	05:39	06:09	06:38			06:10		15:41 (SV14)		07:10
	20:11	19:33	18:43			16:56	43 16:24 (SV14)	16:26		16:28
26	05:40	06:10	06:39			06:11		15:42 (SV14)		07:10
	20:10	19:32	18:41			16:55	43 16:25 (SV14)	16:25		16:28
27	05:41	06:11	06:40			06:12		15:42 (SV14)		07:11
	20:10	19:30	18:39			16:54	43 16:25 (SV14)	16:25		16:29
28	05:42	06:11	06:41			06:13		15:41 (SV14)		07:11
	20:09	19:29	18:38			16:52	43 16:24 (SV14)	16:25		16:29
29	05:43	06:12	06:42			06:14		15:41 (SV14)		07:11
	20:08	19:27	18:36			16:51	43 16:24 (SV14)	16:24		16:30
30	05:44	06:13	06:43			06:15		15:41 (SV14)		07:12
	20:07	19:26	18:35			16:50	42 16:23 (SV14)	16:24		16:31
31	05:45	06:14				06:16		15:43 (SV14)		07:12
	20:06	19:24				16:48	40 16:23 (SV14)			16:32
Ore potenziali eliofanìa	457	427	375		366	346		300		290
Totale, caso peggiore								318		

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
 Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** F3-P505 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (3)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile		Maggio		Giugno			
1	07:12 16:33	06:59 17:06	06:24 17:40	06:35 19:13		05:50 19:44	44	06:11 (SV14) 06:55 (SV14)	05:22 20:12	30	06:18 (SV14) 06:48 (SV14)
2	07:12 16:34	06:58 17:08	06:23 17:41	06:33 19:14		05:48 19:45	44	06:11 (SV14) 06:55 (SV14)	05:21 20:13	29	06:18 (SV14) 06:47 (SV14)
3	07:12 16:34	06:57 17:09	06:21 17:42	06:31 19:15		05:47 19:46	46	06:09 (SV14) 06:55 (SV14)	05:21 20:14	28	06:19 (SV14) 06:47 (SV14)
4	07:12 16:35	06:56 17:10	06:20 17:43	06:30 19:16		05:46 19:47	46	06:09 (SV14) 06:55 (SV14)	05:20 20:14	26	06:20 (SV14) 06:46 (SV14)
5	07:12 16:36	06:55 17:11	06:18 17:44	06:28 19:17		05:45 19:48	47	06:09 (SV14) 06:56 (SV14)	05:20 20:15	25	06:20 (SV14) 06:45 (SV14)
6	07:12 16:37	06:54 17:12	06:17 17:45	06:26 19:18		05:44 19:49	48	06:08 (SV14) 06:56 (SV14)	05:20 20:16	23	06:22 (SV14) 06:45 (SV14)
7	07:12 16:38	06:53 17:14	06:15 17:46	06:25 19:19		05:42 19:50	48	06:08 (SV14) 06:56 (SV14)	05:19 20:16	21	06:23 (SV14) 06:44 (SV14)
8	07:12 16:39	06:52 17:15	06:14 17:47	06:23 19:20		05:41 19:51	48	06:08 (SV14) 06:56 (SV14)	05:19 20:17	20	06:24 (SV14) 06:44 (SV14)
9	07:12 16:40	06:51 17:16	06:12 17:48	06:22 19:21		05:40 19:52	48	06:08 (SV14) 06:56 (SV14)	05:19 20:18	19	06:25 (SV14) 06:44 (SV14)
10	07:12 16:41	06:50 17:17	06:10 17:50	06:20 19:22		05:39 19:53	48	06:08 (SV14) 06:56 (SV14)	05:19 20:18	17	06:25 (SV14) 06:44 (SV14)
11	07:12 16:42	06:49 17:19	06:09 17:51	06:19 19:23		05:38 19:54	48	06:08 (SV14) 06:56 (SV14)	05:19 20:19	15	06:26 (SV14) 06:41 (SV14)
12	07:11 16:43	06:48 17:20	06:07 17:52	06:17 19:24		05:37 19:55	48	06:08 (SV14) 06:56 (SV14)	05:19 20:19	13	06:28 (SV14) 06:41 (SV14)
13	07:11 16:44	06:46 17:21	06:06 17:53	06:15 19:25		05:36 19:56	48	06:08 (SV14) 06:56 (SV14)	05:18 20:20	11	06:29 (SV14) 06:40 (SV14)
14	07:11 16:45	06:45 17:22	06:04 17:54	06:14 19:26		05:35 19:57	48	06:08 (SV14) 06:56 (SV14)	05:18 20:20	9	06:30 (SV14) 06:39 (SV14)
15	07:11 16:46	06:44 17:23	06:02 17:55	06:12 19:27		05:34 19:58	47	06:08 (SV14) 06:55 (SV14)	05:18 20:20	7	06:31 (SV14) 06:38 (SV14)
16	07:10 16:48	06:43 17:25	06:01 17:56	06:11 19:28		05:33 19:58	47	06:08 (SV14) 06:55 (SV14)	05:18 20:21	4	06:33 (SV14) 06:37 (SV14)
17	07:10 16:49	06:41 17:26	05:59 17:57	06:09 19:29		05:32 19:59	47	06:08 (SV14) 06:55 (SV14)	05:18 20:21		
18	07:09 16:50	06:40 17:27	05:57 17:58	06:08 19:30		05:31 20:00	45	06:09 (SV14) 06:54 (SV14)	05:19 20:22		
19	07:09 16:51	06:39 17:28	05:56 17:59	06:06 19:31		05:30 20:01	45	06:09 (SV14) 06:54 (SV14)	05:19 20:22		
20	07:08 16:52	06:37 17:29	05:54 18:00	06:05 19:32		05:29 20:02	44	06:10 (SV14) 06:54 (SV14)	05:19 20:22		
21	07:08 16:53	06:36 17:30	05:53 18:01	06:03 19:33	7	06:31 (SV14) 06:38 (SV14)	05:29 20:03	06:10 (SV14) 06:53 (SV14)	05:19 20:22		
22	07:07 16:54	06:34 17:32	05:51 18:02	06:02 19:34	18	06:26 (SV14) 06:44 (SV14)	05:28 20:04	06:10 (SV14) 06:53 (SV14)	05:19 20:23		
23	07:06 16:56	06:33 17:33	05:49 18:03	06:01 19:35	24	06:22 (SV14) 06:46 (SV14)	05:27 20:05	06:11 (SV14) 06:53 (SV14)	05:19 20:23		
24	07:06 16:57	06:32 17:34	05:48 18:04	05:59 19:36	28	06:20 (SV14) 06:48 (SV14)	05:26 20:06	06:12 (SV14) 06:52 (SV14)	05:20 20:23		
25	07:05 16:58	06:30 17:35	05:46 18:05	05:58 19:37	31	06:18 (SV14) 06:49 (SV14)	05:26 20:07	06:12 (SV14) 06:51 (SV14)	05:20 20:23		
26	07:04 16:59	06:29 17:36	05:44 18:06	05:56 19:38	35	06:16 (SV14) 06:51 (SV14)	05:25 20:07	06:13 (SV14) 06:51 (SV14)	05:20 20:23	2	06:36 (SV14) 06:38 (SV14)
27	07:04 17:00	06:27 17:37	05:43 18:07	05:55 19:39	37	06:15 (SV14) 06:52 (SV14)	05:24 20:08	06:13 (SV14) 06:50 (SV14)	05:21 20:23	6	06:35 (SV14) 06:41 (SV14)
28	07:03 17:02	06:26 17:38	05:41 18:08	05:54 19:40	39	06:14 (SV14) 06:53 (SV14)	05:24 20:09	06:15 (SV14) 06:50 (SV14)	05:21 20:23	8	06:34 (SV14) 06:42 (SV14)
29	07:02 17:03		06:39 19:10	05:52 19:41	40	06:13 (SV14) 06:53 (SV14)	05:23 20:10	06:15 (SV14) 06:49 (SV14)	05:21 20:23	11	06:33 (SV14) 06:44 (SV14)
30	07:01 17:04		06:38 19:11	05:51 19:42	42	06:12 (SV14) 06:54 (SV14)	05:23 20:11	06:16 (SV14) 06:49 (SV14)	05:22 20:23	12	06:32 (SV14) 06:44 (SV14)
31	07:00 17:05		06:36 19:12				05:22 20:11	06:16 (SV14) 06:48 (SV14)			
Ore potenziali eliofanìa	299	298	370	398		446				450	
Totale, caso peggiore				301		1350				336	

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
 Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** F3-P505 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (3)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Luglio		Agosto		Settembrè		Ottobre		Novembrè		Dicembre	
1	05:22		06:32 (SV14)	05:46		06:18 (SV14)	06:15	06:44	06:18	06:52		
	20:23	14	06:46 (SV14)	20:05	48	07:06 (SV14)	19:23	18:33	16:47	16:24		
2	05:23		06:31 (SV14)	05:47		06:18 (SV14)	06:16	06:45	06:19	06:53		
	20:23	16	06:47 (SV14)	20:04	48	07:06 (SV14)	19:21	18:31	16:46	16:23		
3	05:23		06:31 (SV14)	05:47		06:18 (SV14)	06:17	06:46	06:20	06:54		
	20:23	17	06:48 (SV14)	20:03	48	07:06 (SV14)	19:19	18:30	16:45	16:23		
4	05:24		06:29 (SV14)	05:48		06:18 (SV14)	06:18	06:47	06:21	06:55		
	20:23	20	06:49 (SV14)	20:01	48	07:06 (SV14)	19:18	18:28	16:44	16:23		
5	05:24		06:29 (SV14)	05:49		06:18 (SV14)	06:19	06:48	06:22	06:56		
	20:22	21	06:50 (SV14)	20:00	48	07:06 (SV14)	19:16	18:26	16:43	16:23		
6	05:25		06:28 (SV14)	05:50		06:18 (SV14)	06:20	06:49	06:23	06:57		
	20:22	23	06:51 (SV14)	19:59	48	07:06 (SV14)	19:14	18:25	16:41	16:23		
7	05:25		06:28 (SV14)	05:51		06:18 (SV14)	06:21	06:50	06:25	06:58		
	20:22	24	06:52 (SV14)	19:58	48	07:06 (SV14)	19:13	18:23	16:40	16:23		
8	05:26		06:27 (SV14)	05:52		06:18 (SV14)	06:22	06:52	06:26	06:59		
	20:22	25	06:52 (SV14)	19:57	47	07:05 (SV14)	19:11	18:22	16:39	16:23		
9	05:27		06:27 (SV14)	05:53		06:19 (SV14)	06:23	06:53	06:27	06:59		
	20:21	27	06:54 (SV14)	19:56	46	07:05 (SV14)	19:10	18:20	16:38	16:23		
10	05:27		06:26 (SV14)	05:54		06:19 (SV14)	06:24	06:54	06:28	07:00		
	20:21	29	06:55 (SV14)	19:54	46	07:05 (SV14)	19:08	18:18	16:37	16:23		
11	05:28		06:25 (SV14)	05:55		06:20 (SV14)	06:25	06:55	06:29	07:01		
	20:20	30	06:55 (SV14)	19:53	44	07:04 (SV14)	19:06	18:17	16:36	16:23		
12	05:29		06:25 (SV14)	05:56		06:19 (SV14)	06:26	06:56	06:30	07:02		
	20:20	31	06:56 (SV14)	19:52	43	07:02 (SV14)	19:05	18:15	16:35	16:23		
13	05:29		06:25 (SV14)	05:57		06:20 (SV14)	06:27	06:57	06:32	07:03		
	20:20	32	06:57 (SV14)	19:50	42	07:02 (SV14)	19:03	18:14	16:34	16:23		
14	05:30		06:23 (SV14)	05:58		06:20 (SV14)	06:28	06:58	06:33	07:03		
	20:19	34	06:57 (SV14)	19:49	41	07:01 (SV14)	19:01	18:12	16:34	16:23		
15	05:31		06:23 (SV14)	05:59		06:21 (SV14)	06:29	06:59	06:34	07:04		
	20:19	35	06:58 (SV14)	19:48	39	07:00 (SV14)	19:00	18:11	16:33	16:23		
16	05:32		06:23 (SV14)	06:00		06:22 (SV14)	06:30	07:00	06:35	07:05		
	20:18	36	06:59 (SV14)	19:46	36	06:58 (SV14)	18:58	18:09	16:32	16:24		
17	05:33		06:23 (SV14)	06:01		06:23 (SV14)	06:31	07:01	06:36	07:06		
	20:17	37	07:00 (SV14)	19:45	34	06:57 (SV14)	18:56	18:08	16:31	16:24		
18	05:33		06:22 (SV14)	06:02		06:25 (SV14)	06:32	07:02	06:37	07:06		
	20:17	38	07:00 (SV14)	19:44	30	06:55 (SV14)	18:55	18:06	16:30	16:24		
19	05:34		06:21 (SV14)	06:03		06:26 (SV14)	06:33	07:03	06:39	07:07		
	20:16	40	07:01 (SV14)	19:42	27	06:53 (SV14)	18:53	18:05	16:30	16:25		
20	05:35		06:21 (SV14)	06:04		06:28 (SV14)	06:34	07:04	06:40	07:07		
	20:15	41	07:02 (SV14)	19:41	23	06:51 (SV14)	18:51	18:03	16:29	16:25		
21	05:36		06:21 (SV14)	06:05		06:31 (SV14)	06:35	07:05	06:41	07:08		
	20:15	42	07:03 (SV14)	19:39	17	06:48 (SV14)	18:50	18:02	16:28	16:26		
22	05:37		06:21 (SV14)	06:06		06:37 (SV14)	06:36	07:06	06:42	07:09		
	20:14	42	07:03 (SV14)	19:38	4	06:41 (SV14)	18:48	18:00	16:28	16:26		
23	05:37		06:20 (SV14)	06:07			06:37	07:07	06:43	07:09		
	20:13	44	07:04 (SV14)	19:36			18:46	17:59	16:27	16:26		
24	05:38		06:19 (SV14)	06:08			06:38	07:09	06:44	07:10		
	20:12	45	07:04 (SV14)	19:35			18:45	17:58	16:27	16:27		
25	05:39		06:19 (SV14)	06:09			06:39	06:10	06:45	07:10		
	20:11	45	07:04 (SV14)	19:33			18:43	16:56	16:26	16:28		
26	05:40		06:19 (SV14)	06:10			06:39	06:11	06:46	07:10		
	20:11	46	07:05 (SV14)	19:32			18:41	16:55	16:26	16:28		
27	05:41		06:19 (SV14)	06:11			06:40	06:12	06:48	07:11		
	20:10	46	07:05 (SV14)	19:30			18:40	16:54	16:25	16:29		
28	05:42		06:19 (SV14)	06:12			06:41	06:13	06:49	07:11		
	20:09	47	07:06 (SV14)	19:29			18:38	16:52	16:25	16:30		
29	05:43		06:19 (SV14)	06:13			06:42	06:14	06:50	07:11		
	20:08	47	07:06 (SV14)	19:27			18:36	16:51	16:24	16:30		
30	05:44		06:19 (SV14)	06:14			06:43	06:15	06:51	07:12		
	20:07	47	07:06 (SV14)	19:26			18:35	16:50	16:24	16:31		
31	05:45		06:18 (SV14)	06:14				06:17		07:12		
	20:06	48	07:06 (SV14)	19:24				16:48		16:32		
Ore potenziali eliofania	457			427			375	346	300	290		
Totale, caso peggiore	1069			855								

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
 Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** F4-P1 - Shadow Receptor: 2,0 x 2,0 Azimuth: 0,0° Slope: 0,0° (4)
Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:12 16:33	06:59 17:06	06:24 17:40	06:35 19:13	05:50 19:43	05:22 20:12	05:22 20:23	05:46 20:05	06:15 19:23	06:44 18:33	06:18 16:47	06:52 16:24
2	07:12 16:34	06:58 17:08	06:23 17:41	06:33 19:14	05:48 19:45	05:21 20:13	05:23 20:23	05:46 20:04	06:16 19:21	06:45 18:31	06:19 16:46	06:53 16:23
3	07:12 16:34	06:57 17:09	06:21 17:42	06:31 19:15	05:47 19:46	05:21 20:14	05:23 20:23	05:47 20:03	06:17 19:19	06:46 18:30	06:20 16:45	06:54 16:23
4	07:12 16:35	06:56 17:10	06:20 17:43	06:30 19:16	05:46 19:47	05:20 20:14	05:24 20:23	05:48 20:01	06:18 19:18	06:47 18:28	06:21 16:44	06:55 16:23
5	07:12 16:36	06:55 17:11	06:18 17:44	06:28 19:17	05:45 19:48	05:20 20:15	05:24 20:22	05:49 20:00	06:19 19:16	06:48 18:26	06:22 16:43	06:56 16:23
6	07:12 16:37	06:54 17:12	06:17 17:45	06:26 19:18	05:44 19:49	05:20 20:16	05:25 20:22	05:50 19:59	06:20 19:14	06:49 18:25	06:23 16:41	06:57 16:23
7	07:12 16:38	06:53 17:14	06:15 17:46	06:25 19:19	05:42 19:50	05:19 20:16	05:25 20:22	05:51 19:58	06:21 19:13	06:50 18:23	06:25 16:40	06:58 16:23
8	07:12 16:39	06:52 17:15	06:14 17:47	06:23 19:20	05:41 19:51	05:19 20:17	05:26 20:22	05:52 19:57	06:22 19:11	06:52 18:22	06:26 16:39	06:58 16:23
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Ore potenziali eliofanìa	299	298	370	398	446	450	457	427	375	346	300	290
Totale, caso peggiore												

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** F4-P1237 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (6)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
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Ore potenziali eliofanìa	299	298	370	398	446	450	457	427	375	346	300	290
Totale, caso peggiore												

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** F8-P220 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (5)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
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30	07:01 17:04		06:38 19:11	05:51 19:43	05:23 20:11	05:22 20:23	05:44 20:07	06:14 19:26	06:44 18:35	06:16 16:50	06:51 16:24	07:12 16:31
31	07:00 17:05		06:36 19:12		05:22 20:12		05:45 20:06	06:15 19:24		06:17 16:49		07:12 16:32
Ore potenziali eliofania	299	298	370	398	446	450	457	427	375	346	300	290
Totale, caso peggiore												

Legenda della tabella:

Giorno del mese Alba (hh:mm) Tramonto (hh:mm) Minuti d'ombra Inizio ombreggiamento (hh:mm) Fine ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** F9-P475 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (1)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio		Febbraio		Marzo		Aprile		Maggio		Giugno	
1	07:12	07:00			06:24	16:03 (SV02)	06:35		05:50	06:10 (SV05)	05:22	
	16:33	17:07			17:40	17:06 (SV02)	19:13		19:44	38 06:48 (SV05)	20:12	
2	07:12	06:59			06:23	16:03 (SV02)	06:33		05:49	06:09 (SV05)	05:21	
	16:34	17:08			17:41	17:07 (SV02)	19:14		19:45	39 06:48 (SV05)	20:13	
3	07:12	06:58			06:21	16:02 (SV02)	06:31		05:47	06:08 (SV05)	05:21	
	16:35	17:09			17:42	17:07 (SV02)	19:15		19:46	39 06:47 (SV05)	20:14	
4	07:13	06:57			06:20	16:02 (SV02)	06:30		05:46	06:08 (SV05)	05:21	
	16:35	17:10			17:43	17:22 (SV01)	19:16		19:47	39 06:47 (SV05)	20:15	
5	07:13	06:56			06:18	16:01 (SV02)	06:28		05:45	06:08 (SV05)	05:20	
	16:36	17:11			17:44	17:23 (SV01)	19:17		19:48	40 06:48 (SV05)	20:15	
6	07:13	06:55			06:17	16:00 (SV02)	06:27		05:44	06:08 (SV05)	05:20	
	16:37	17:13			17:45	17:24 (SV01)	19:18		19:49	39 06:47 (SV05)	20:16	
7	07:13	06:53			06:15	16:00 (SV02)	06:25		05:43	06:09 (SV05)	05:20	
	16:38	17:14			17:46	17:26 (SV01)	19:19		19:50	38 06:47 (SV05)	20:17	
8	07:12	06:52			06:14	15:59 (SV02)	06:23		05:41	06:09 (SV05)	05:19	
	16:39	17:15			17:48	17:26 (SV01)	19:20		19:51	38 06:47 (SV05)	20:17	
9	07:12	06:51			06:12	16:00 (SV02)	06:22		05:40	06:09 (SV05)	05:19	
	16:40	17:16			17:49	17:28 (SV01)	19:21		19:52	38 06:47 (SV05)	20:18	
10	07:12	06:50			06:11	15:59 (SV02)	06:20		05:39	06:09 (SV05)	05:19	
	16:41	17:17			17:50	17:29 (SV01)	19:22		19:53	37 06:46 (SV05)	20:18	
11	07:12	06:49			06:09	15:59 (SV02)	06:19		05:38	06:10 (SV05)	05:19	
	16:42	17:19			17:51	17:29 (SV01)	19:23		19:54	36 06:46 (SV05)	20:19	
12	07:12	06:48			06:07	15:59 (SV02)	06:17		05:37	06:10 (SV05)	05:19	
	16:43	17:20			17:52	17:31 (SV01)	19:24		19:55	36 06:46 (SV05)	20:19	
13	07:11	06:47			06:06	15:59 (SV02)	06:16		05:36	06:11 (SV05)	05:19	
	16:44	17:21			17:53	17:32 (SV01)	19:25		19:56	34 06:45 (SV05)	20:20	
14	07:11	06:45			06:04	16:00 (SV02)	06:14		05:35	06:11 (SV05)	05:19	
	16:45	17:22			17:54	17:32 (SV01)	19:26		19:57	33 06:44 (SV05)	20:20	
15	07:11	06:44			06:03	16:00 (SV02)	06:13		05:34	06:12 (SV05)	05:19	
	16:47	17:24			17:55	17:32 (SV01)	19:27		19:58	31 06:43 (SV05)	20:21	
16	07:10	06:43		16:27 (SV02)	06:01	15:59 (SV02)	06:11		05:33	06:12 (SV05)	05:19	
	16:48	17:25	18	16:45 (SV02)	17:56	17:30 (SV01)	19:28		19:59	31 06:43 (SV05)	20:21	
17	07:10	06:41		16:23 (SV02)	05:59	16:00 (SV02)	06:09		05:32	06:13 (SV05)	05:19	
	16:49	17:26	27	16:50 (SV02)	17:57	17:30 (SV01)	19:29		20:00	29 06:42 (SV05)	20:21	
18	07:09	06:40		16:20 (SV02)	05:58	16:01 (SV02)	06:08		05:31	06:14 (SV05)	05:19	
	16:50	17:27	32	16:52 (SV02)	17:58	17:29 (SV01)	19:30		20:01	27 06:41 (SV05)	20:22	
19	07:09	06:39		16:17 (SV02)	05:56	16:01 (SV02)	06:07		05:30	06:16 (SV05)	05:19	
	16:51	17:28	38	16:55 (SV02)	17:59	17:27 (SV01)	19:31		20:02	24 06:40 (SV05)	20:22	
20	07:08	06:37		16:15 (SV02)	05:54	16:02 (SV02)	06:05	06:28 (SV05)	05:30	06:16 (SV05)	05:19	
	16:52	17:29	41	16:56 (SV02)	18:00	17:26 (SV01)	19:32	7 06:35 (SV05)	20:02	23 06:39 (SV05)	20:22	
21	07:08	06:36		16:13 (SV02)	05:53	16:02 (SV02)	06:04	06:22 (SV05)	05:29	06:18 (SV05)	05:19	
	16:53	17:31	45	16:58 (SV02)	18:01	17:23 (SV01)	19:33	16 06:38 (SV05)	20:03	20 06:38 (SV05)	20:23	
22	07:07	06:35		16:12 (SV02)	05:51	16:03 (SV02)	06:02	06:21 (SV05)	05:28	06:19 (SV05)	05:19	
	16:54	17:32	48	17:00 (SV02)	18:02	17:19 (SV01)	19:34	20 06:41 (SV05)	20:04	17 06:36 (SV05)	20:23	
23	07:07	06:33		16:10 (SV02)	05:49	16:05 (SV02)	06:01	06:19 (SV05)	05:27	06:21 (SV05)	05:19	
	16:56	17:33	51	17:01 (SV02)	18:03	16:57 (SV02)	19:35	23 06:42 (SV05)	20:05	14 06:35 (SV05)	20:23	
24	07:06	06:32		16:09 (SV02)	05:48	16:05 (SV02)	05:59	06:18 (SV05)	05:26	06:24 (SV05)	05:20	
	16:57	17:34	53	17:02 (SV02)	18:05	16:55 (SV02)	19:36	26 06:44 (SV05)	20:06	7 06:31 (SV05)	20:23	
25	07:05	06:30		16:07 (SV02)	05:46	16:06 (SV02)	05:58	06:17 (SV05)	05:26		05:20	
	16:58	17:35	56	17:03 (SV02)	18:06	16:53 (SV02)	19:38	28 06:45 (SV05)	20:07		20:23	
26	07:05	06:29		16:06 (SV02)	05:45	16:08 (SV02)	05:56	06:15 (SV05)	05:25		05:20	
	16:59	17:36	58	17:04 (SV02)	18:07	16:52 (SV02)	19:39	30 06:45 (SV05)	20:08		20:23	
27	07:04	06:27		16:05 (SV02)	05:43	16:10 (SV02)	05:55	06:14 (SV05)	05:24		05:21	
	17:00	17:37	60	17:05 (SV02)	18:08	16:49 (SV02)	19:40	32 06:46 (SV05)	20:09		20:23	
28	07:03	06:26		16:04 (SV02)	05:41	16:12 (SV02)	05:54	32 06:13 (SV05)	05:24		05:21	
	17:02	17:39	62	17:06 (SV02)	18:09	16:48 (SV02)	19:41	34 06:47 (SV05)	20:09		20:23	
29	07:02				06:40	17:14 (SV02)	05:52	06:11 (SV05)	05:23		05:21	
	17:03				19:10	17:45 (SV02)	19:42	36 06:47 (SV05)	20:10		20:23	
30	07:01				06:38	17:17 (SV02)	05:51	06:10 (SV05)	05:23		05:22	
	17:04				19:11	17:41 (SV02)	19:43	37 06:47 (SV05)	20:11		20:23	
31	07:00				06:36	17:22 (SV02)			05:22			
	17:05				19:12	17:37 (SV02)			20:12			
Ore potenziali eliofanìa	299	298			370		398		447		450	
Totale, caso peggiore		589			2148		289		747			

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
 Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

SHADOW - Calendario

Calcolo: Flickering Salice su Recettori **Recettore d'ombra:** F9-P475 - Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (1)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre				
1	05:22	05:46	06:21 (SV05)	06:16	06:45	16:38 (SV02)	06:18	06:52		
	20:23	20:05	35 06:56 (SV05)	19:23	18:33	92 18:10 (SV01)	16:47	16:24		
2	05:23	05:47	06:19 (SV05)	06:17	06:46	16:37 (SV02)	06:19	06:53		
	20:23	20:04	37 06:56 (SV05)	19:21	18:31	92 18:09 (SV01)	16:46	16:24		
3	05:23	05:48	06:19 (SV05)	06:17	06:47	16:37 (SV02)	06:20	06:54		
	20:23	20:03	37 06:56 (SV05)	19:20	18:30	90 18:07 (SV01)	16:45	16:23		
4	05:24	05:49	06:19 (SV05)	06:18	06:48	16:36 (SV02)	06:21	06:55		
	20:23	20:02	38 06:57 (SV05)	19:18	18:28	89 18:05 (SV01)	16:44	16:23		
5	05:24	05:49	06:18 (SV05)	06:19	06:49	16:36 (SV02)	06:22	06:56		
	20:23	20:00	39 06:57 (SV05)	19:16	18:27	88 18:04 (SV01)	16:43	16:23		
6	05:25	05:50	06:18 (SV05)	06:20	06:50	16:37 (SV02)	06:24	06:57		
	20:22	19:59	39 06:57 (SV05)	19:15	18:25	86 18:03 (SV01)	16:42	16:23		
7	05:26	05:51	06:18 (SV05)	06:21	06:51	16:36 (SV02)	06:25	06:58		
	20:22	19:58	39 06:57 (SV05)	19:13	18:23	85 18:01 (SV01)	16:41	16:23		
8	05:26	05:52	06:18 (SV05)	06:22	06:52	16:36 (SV02)	06:26	06:59		
	20:22	19:57	39 06:57 (SV05)	19:11	18:22	82 18:00 (SV01)	16:39	16:23		
9	05:27	05:53	06:18 (SV05)	06:23	06:53	16:36 (SV02)	06:27	07:00		
	20:21	19:56	39 06:57 (SV05)	19:10	18:20	78 17:58 (SV01)	16:38	16:23		
10	05:28	05:54	06:18 (SV05)	06:24	06:54	16:36 (SV02)	06:28	07:00		
	20:21	19:54	39 06:57 (SV05)	19:08	18:19	72 17:56 (SV01)	16:37	16:23		
11	05:28	05:55	06:18 (SV05)	06:25	06:55	16:36 (SV02)	06:29	07:01		
	20:21	19:53	39 06:57 (SV05)	19:06	18:17	65 17:41 (SV02)	16:36	16:23		
12	05:29	05:56	06:18 (SV05)	06:26	17:14 (SV02)	06:56	16:37 (SV02)	06:31	07:02	
	20:20	19:52	38 06:56 (SV05)	19:05	17:27 (SV02)	18:15	63 17:40 (SV02)	16:36	16:23	
13	05:30	05:57	06:19 (SV05)	06:27	17:08 (SV02)	06:57	16:37 (SV02)	06:32	07:03	
	20:20	19:51	37 06:56 (SV05)	19:03	24 17:32 (SV02)	18:14	62 17:39 (SV02)	16:35	16:23	
14	05:30	05:58	06:19 (SV05)	06:28	17:05 (SV02)	06:58	16:37 (SV02)	06:33	07:04	
	20:19	19:49	35 06:54 (SV05)	19:01	29 17:34 (SV02)	18:12	61 17:38 (SV02)	16:34	16:23	
15	05:31	05:59	06:20 (SV05)	06:29	17:02 (SV02)	06:59	16:38 (SV02)	06:34	07:04	
	20:19	19:48	34 06:54 (SV05)	19:00	35 17:37 (SV02)	18:11	59 17:37 (SV02)	16:33	16:23	
16	05:32	06:00	06:21 (SV05)	06:30	16:59 (SV02)	07:00	16:38 (SV02)	06:35	07:05	
	20:18	19:47	32 06:53 (SV05)	18:58	39 17:38 (SV02)	18:09	57 17:35 (SV02)	16:32	16:24	
17	05:33	06:01	06:22 (SV05)	06:31	16:57 (SV02)	07:01	16:39 (SV02)	06:36	07:06	
	20:18	19:45	30 06:52 (SV05)	18:56	43 17:40 (SV02)	18:08	55 17:34 (SV02)	16:31	16:24	
18	05:33	06:02	06:23 (SV05)	06:32	16:55 (SV02)	07:02	16:41 (SV02)	06:38	07:06	
	20:17	19:44	28 06:51 (SV05)	18:55	46 17:41 (SV02)	18:06	53 17:34 (SV02)	16:31	16:24	
19	05:34	06:03	06:24 (SV05)	06:33	16:53 (SV02)	07:03	16:42 (SV02)	06:39	07:07	
	20:16	19:42	25 06:49 (SV05)	18:53	49 17:42 (SV02)	18:05	50 17:32 (SV02)	16:30	16:25	
20	05:35	06:32 (SV05)	06:04	06:25 (SV05)	06:34	16:51 (SV02)	07:04	16:43 (SV02)	06:40	07:08
	20:16	11 06:43 (SV05)	19:41	23 06:48 (SV05)	18:51	52 17:43 (SV02)	18:03	47 17:30 (SV02)	16:29	16:25
21	05:36	06:30 (SV05)	06:05	06:26 (SV05)	06:35	16:50 (SV02)	07:05	16:44 (SV02)	06:41	07:08
	20:15	15 06:45 (SV05)	19:39	19 06:45 (SV05)	18:50	61 18:04 (SV01)	18:02	44 17:28 (SV02)	16:28	16:26
22	05:37	06:29 (SV05)	06:06	06:28 (SV05)	06:36	16:48 (SV02)	07:07	16:46 (SV02)	06:42	07:09
	20:14	18 06:47 (SV05)	19:38	15 06:43 (SV05)	18:48	72 18:08 (SV01)	18:01	40 17:26 (SV02)	16:28	16:26
23	05:38	06:28 (SV05)	06:07	06:33 (SV05)	06:37	16:47 (SV02)	07:08	16:48 (SV02)	06:43	07:09
	20:13	21 06:49 (SV05)	19:37	4 06:37 (SV05)	18:46	78 18:10 (SV01)	17:59	36 17:24 (SV02)	16:27	16:27
24	05:38	06:27 (SV05)	06:08	06:38	18:43	87 18:12 (SV01)	16:56	24 16:18 (SV02)	16:26	16:28
	20:12	23 06:50 (SV05)	19:35	18:45	84 18:11 (SV01)	17:58	31 17:21 (SV02)	16:27	16:27	
25	05:39	06:25 (SV05)	06:09	06:39	16:44 (SV02)	06:10	15:54 (SV02)	06:46	07:10	
	20:12	25 06:50 (SV05)	19:34	18:43	87 18:12 (SV01)	16:56	24 16:18 (SV02)	16:26	16:28	
26	05:40	06:24 (SV05)	06:10	06:40	16:42 (SV02)	06:11	15:58 (SV02)	06:47	07:11	
	20:11	28 06:52 (SV05)	19:32	18:41	89 18:11 (SV01)	16:55	15 16:13 (SV02)	16:26	16:28	
27	05:41	06:23 (SV05)	06:11	06:41	16:41 (SV02)	06:12	16:48	07:11	16:29	
	20:10	30 06:53 (SV05)	19:31	18:40	91 18:12 (SV01)	16:54	16:25	16:29	16:29	
28	05:42	06:22 (SV05)	06:12	06:42	16:40 (SV02)	06:13	06:49	07:11	16:30	
	20:09	31 06:53 (SV05)	19:29	18:38	92 18:12 (SV01)	16:52	16:25	16:30	16:30	
29	05:43	06:22 (SV05)	06:13	06:43	16:39 (SV02)	06:14	06:50	07:12	16:30	
	20:08	32 06:54 (SV05)	19:27	18:36	93 18:12 (SV01)	16:51	16:24	16:30	16:30	
30	05:44	06:21 (SV05)	06:14	06:44	16:39 (SV02)	06:16	06:51	07:12	16:31	
	20:07	34 06:55 (SV05)	19:26	18:35	93 18:12 (SV01)	16:50	16:24	16:31	16:31	
31	05:45	06:21 (SV05)	06:15	06:45	16:49	06:17	07:12	16:32	16:32	
	20:06	35 06:56 (SV05)	19:24	375	346	16:49	300	290	290	
Ore potenziali eliofanìa	457	427								
Totale, caso peggiore	303	740	1170	1616	300	290				

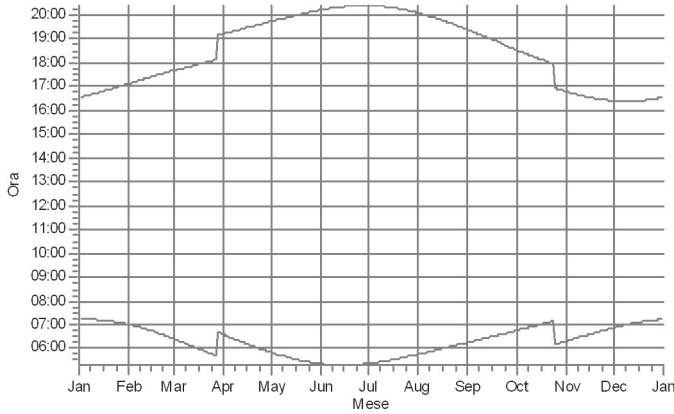
Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm) (WTG che provoca l'inizio dell'ombreggiamento)
 Tramonto (hh:mm) Minuti d'ombra Fine ombreggiamento (hh:mm) (WTG che provoca l'ultimo ombreggiamento)

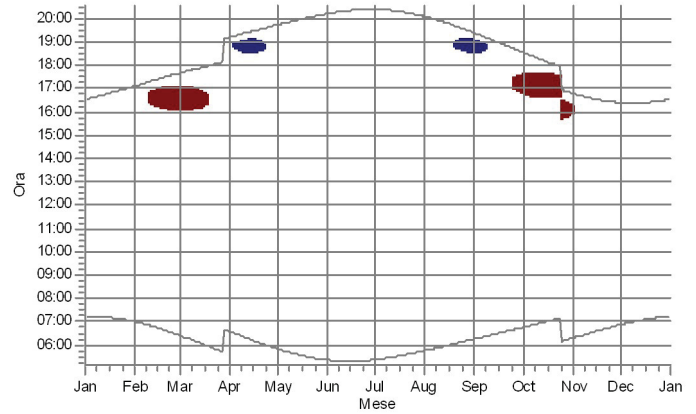
SHADOW - Calendario, grafico

Calcolo: Flickering Salice su Recettori

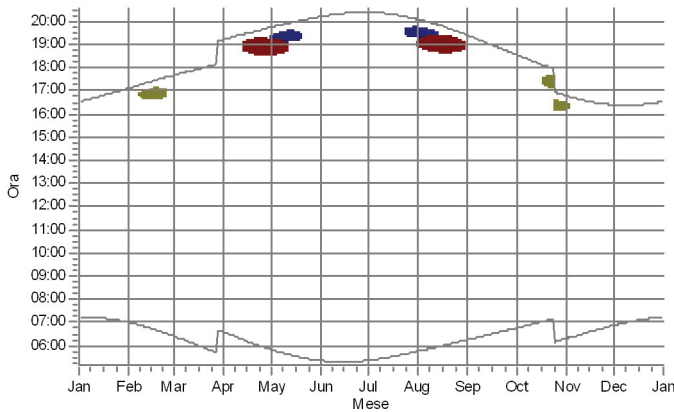
B1: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (12)



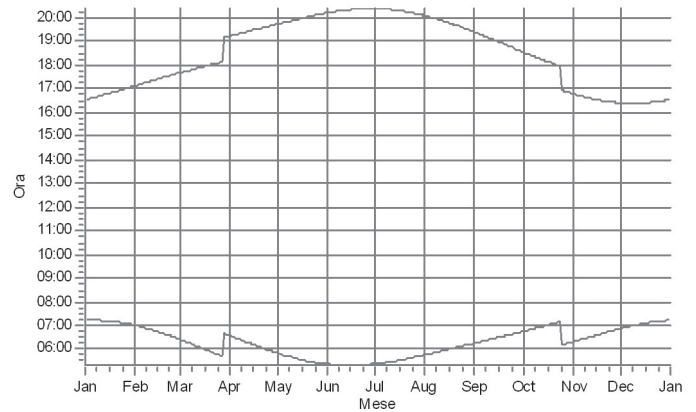
B2: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (13)



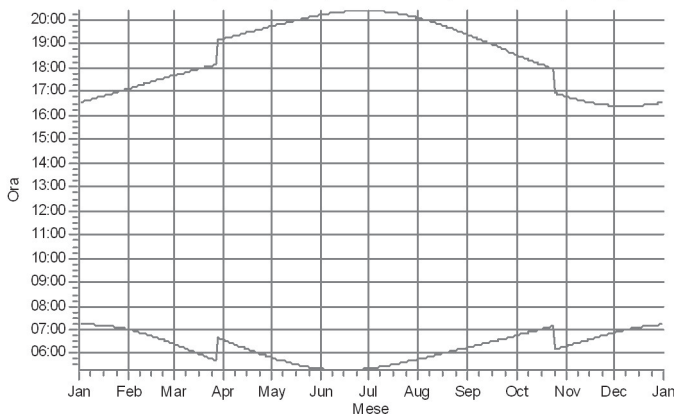
B3: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (14)



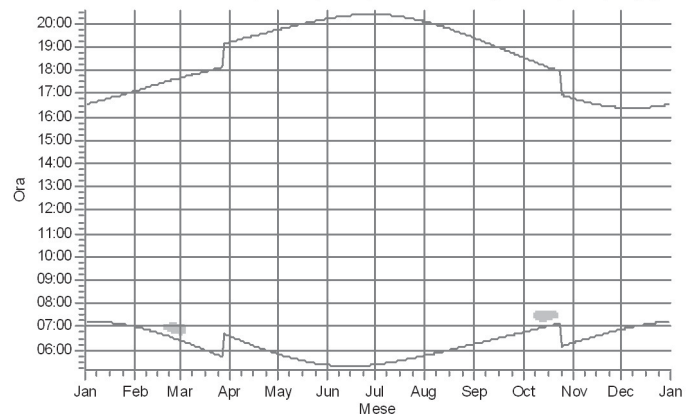
B4: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (15)



B5: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (16)



F12-P164: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (8)



WTG

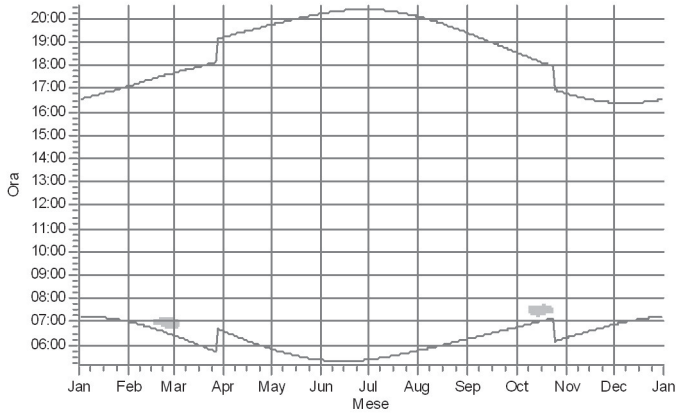
SV07: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (7)
 SV08: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (8)

SV10: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (10)
 SV12: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (12)

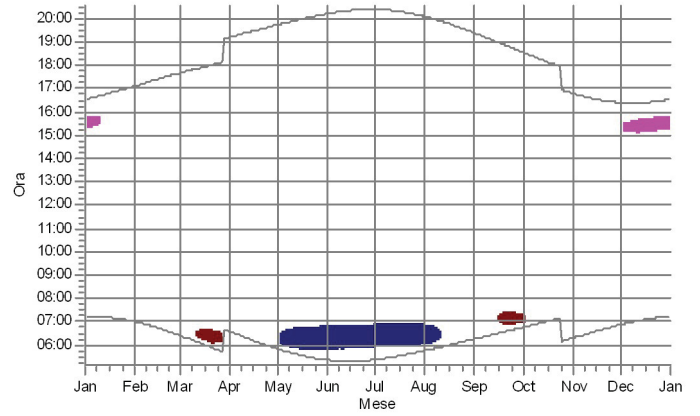
SHADOW - Calendario, grafico

Calcolo: Flickering Salice su Recettori

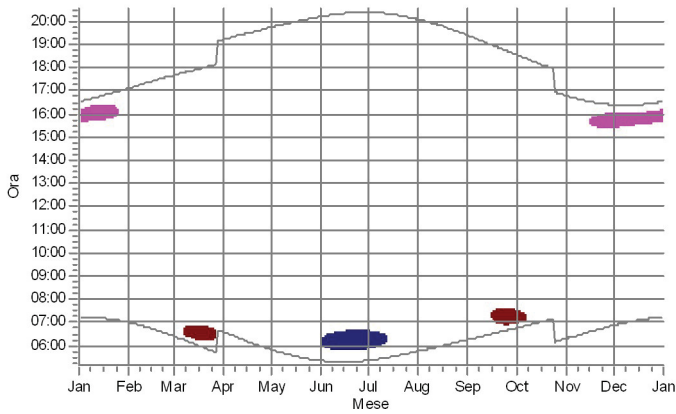
F12-P167: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (9)



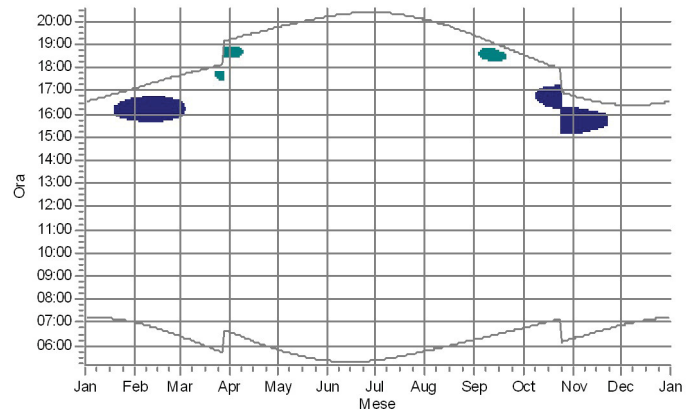
F12-P475: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (11)



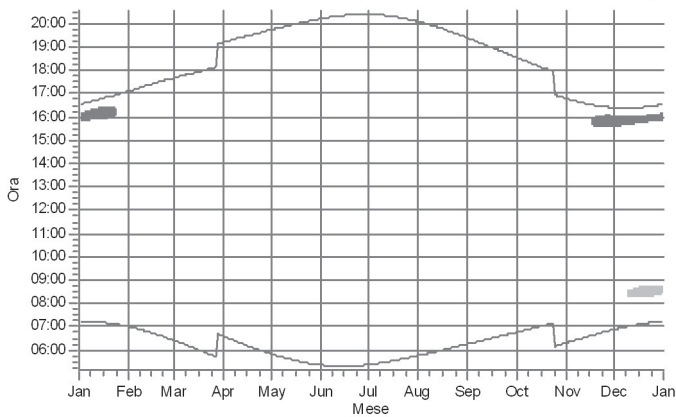
F12-P500: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (10)



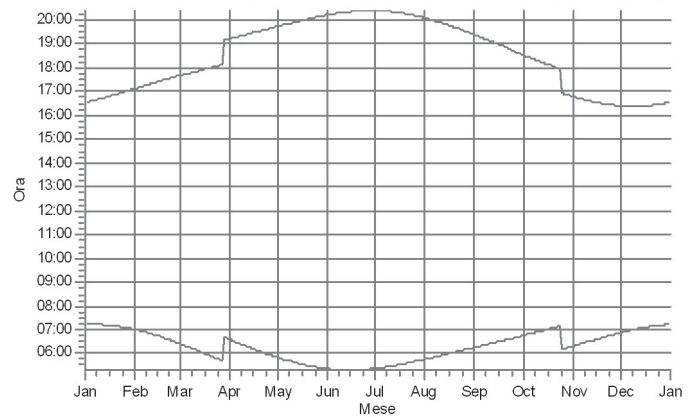
F13-P167: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (2)



F14-P276: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (17)



F14-P562: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (19)



WTG

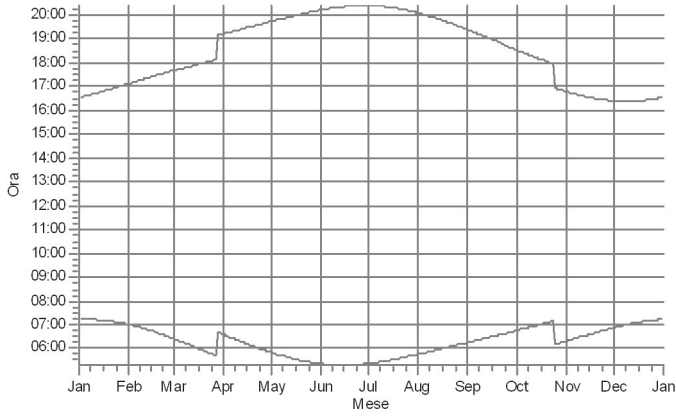
- SV04: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (4)
- SV05: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (5)
- SV06: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (6)

- SV07: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (7)
- SV08: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (8)
- SV12: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (12)

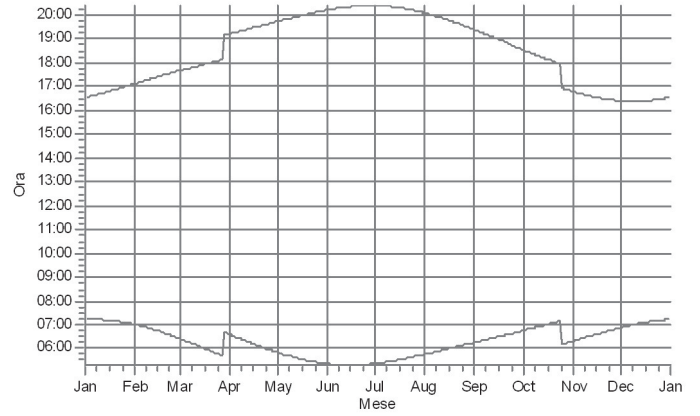
SHADOW - Calendario, grafico

Calcolo: Flickering Salice su Recettori

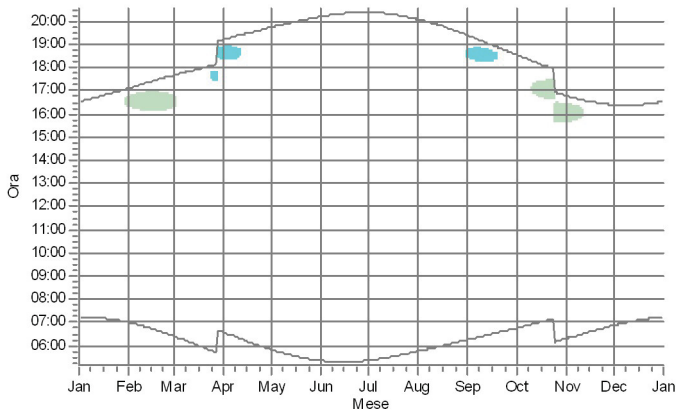
F14-P566: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (20)



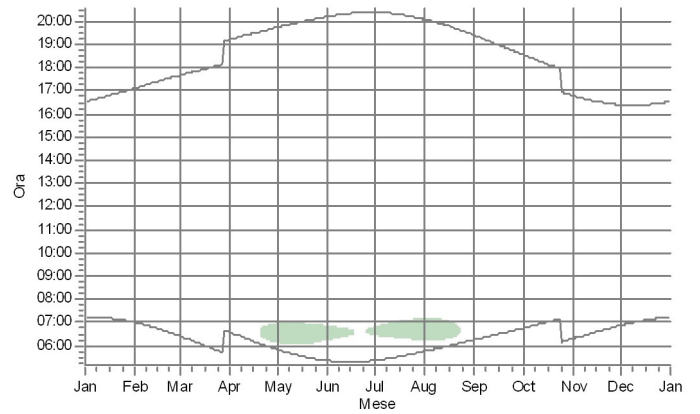
F14-P660: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (18)



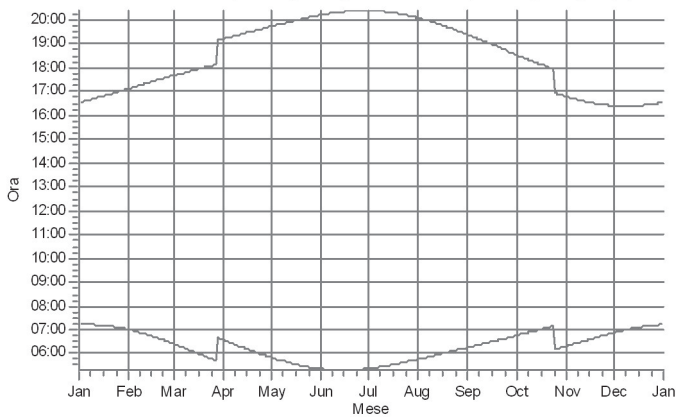
F2-P9: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (7)



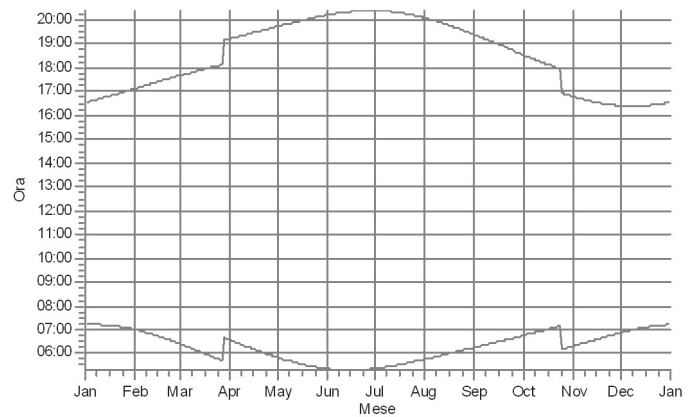
F3-P505: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (3)



F4-P1: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (4)



F4-P1237: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (6)



WTG

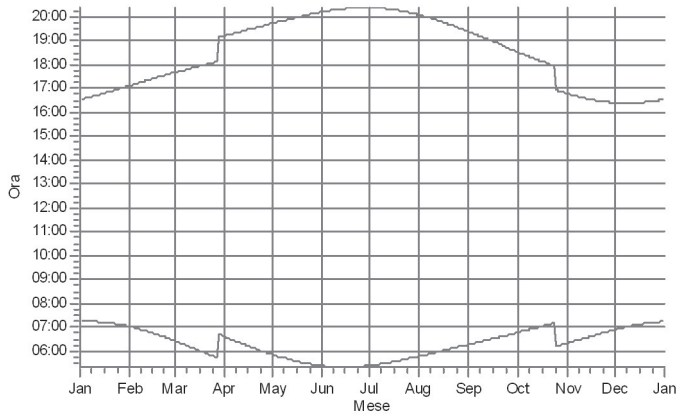
SV13: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (13)

SV14: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (14)

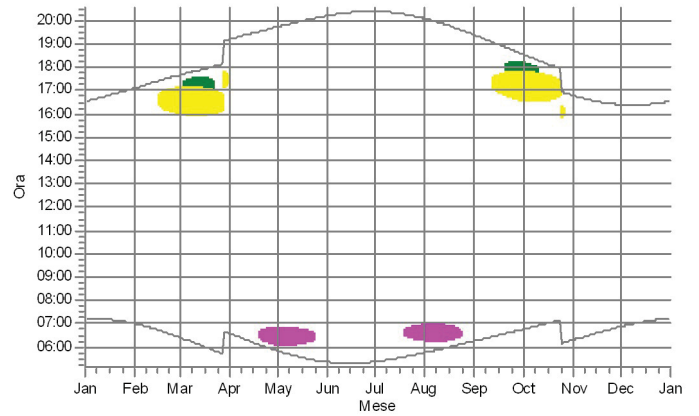
SHADOW - Calendario, grafico

Calcolo: Flickering Salice su Recettori

F8-P220: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (5)



F9-P475: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (1)



WTG

SV01: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (1)
 SV02: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (2)

SV05: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (5)

SHADOW - Calendario per WTG

Calcolo: Flickering Salice su Recettori **WTG: SV01 - Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!** hub: 135,0 m (TOT: 220,0 m) (1)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre	
1	07:12	07:00	06:25	06:35	05:50	05:22	05:22	05:46	06:16	06:45	17:41-18:10/29	06:18	06:52
	16:33	17:07	17:40	19:13	19:44	20:13	20:23	20:05	19:23	18:33		16:47	16:24
2	07:12	06:59	06:23	06:33	05:49	05:21	05:23	05:47	06:17	06:46	17:41-18:09/28	06:19	06:53
	16:34	17:08	17:41	19:14	19:45	20:13	20:23	20:04	19:21	18:32		16:46	16:24
3	07:13	06:58	06:22	06:32	05:47	05:21	05:23	05:48	06:18	06:47	17:41-18:07/26	06:20	06:54
	16:35	17:09	17:42	19:15	19:46	20:14	20:23	20:03	19:20	18:30		16:45	16:23
4	07:13	06:57	06:20	06:30	05:46	05:21	05:24	05:49	06:19	06:48	17:41-18:05/24	06:21	06:55
	16:36	17:10	17:43	19:16	19:47	20:15	20:23	20:02	19:18	18:28		16:44	16:23
5	07:13	06:56	06:18	06:28	05:45	05:20	05:24	05:50	06:19	06:49	17:41-18:04/23	06:23	06:56
	16:36	17:11	17:44	19:17	19:48	20:15	20:23	20:01	19:16	18:27		16:43	16:23
6	07:13	06:55	06:17	06:27	05:44	05:20	05:25	05:50	06:20	06:50	17:43-18:03/20	06:24	06:57
	16:37	17:13	17:45	19:18	19:49	20:16	20:22	19:59	19:15	18:25		16:42	16:23
7	07:13	06:54	06:15	06:25	05:43	05:20	05:26	05:51	06:21	06:51	17:44-18:01/17	06:25	06:58
	16:38	17:14	17:46	19:19	19:50	20:17	20:22	19:58	19:13	18:23		16:41	16:23
8	07:12	06:52	06:14	06:23	05:41	05:19	05:26	05:52	06:22	06:52	17:45-18:00/15	06:26	06:59
	16:39	17:15	17:48	19:20	19:51	20:17	20:22	19:57	19:11	18:22		16:40	16:23
9	07:12	06:51	06:12	06:22	05:40	05:19	05:27	05:53	06:23	06:53	17:47-17:58/11	06:27	07:00
	16:40	17:16	17:49	19:21	19:52	20:18	20:22	19:56	19:10	18:20		16:39	16:23
10	07:12	06:50	06:11	06:20	05:39	05:19	05:28	05:54	06:24	06:54	17:50-17:56/6	06:28	07:01
	16:41	17:18	17:50	19:22	19:53	20:18	20:21	19:55	19:08	18:19		16:38	16:23
11	07:12	06:49	06:09	06:19	05:38	05:19	05:28	05:55	06:25	06:55		06:30	07:01
	16:42	17:19	17:51	19:23	19:54	20:19	20:21	19:53	19:07	18:17		16:37	16:23
12	07:12	06:48	06:07	06:17	05:37	05:19	05:29	05:56	06:26	06:56		06:31	07:02
	16:43	17:20	17:52	19:24	19:55	20:19	20:20	19:52	19:05	18:16		16:36	16:23
13	07:11	06:47	06:06	06:16	05:36	05:19	05:30	05:57	06:27	06:57		06:32	07:03
	16:44	17:21	17:53	19:25	19:56	20:20	20:20	19:51	19:03	18:14		16:35	16:23
14	07:11	06:45	06:04	06:14	05:35	05:19	05:30	05:58	06:28	06:58		06:33	07:04
	16:45	17:22	17:54	19:26	19:57	20:20	20:19	19:49	19:02	18:12		16:34	16:23
15	07:11	06:44	06:03	06:13	05:34	05:19	05:31	05:59	06:29	06:59		06:34	07:04
	16:47	17:24	17:55	19:27	19:58	20:21	20:19	19:48	19:00	18:11		16:33	16:24
16	07:10	06:43	06:01	06:11	05:33	05:19	05:32	06:00	06:30	07:00		06:35	07:05
	16:48	17:25	17:56	19:28	19:59	20:21	20:18	19:47	18:58	18:09		16:32	16:24
17	07:10	06:41	05:59	06:10	05:32	05:19	05:33	06:01	06:31	07:01		06:37	07:06
	16:49	17:26	17:57	19:29	20:00	20:21	20:18	19:45	18:56	18:08		16:31	16:24
18	07:10	06:40	05:58	06:08	05:31	05:19	05:33	06:02	06:32	07:02		06:38	07:07
	16:50	17:27	17:58	19:30	20:01	20:22	20:17	19:44	18:55	18:06		16:31	16:24
19	07:09	06:39	05:56	06:07	05:30	05:19	05:34	06:03	06:33	07:03		06:39	07:07
	16:51	17:28	17:59	19:31	20:02	20:22	20:16	19:42	18:53	18:05		16:30	16:25
20	07:09	06:37	05:54	06:05	05:30	05:19	05:35	06:04	06:34	07:04		06:40	07:08
	16:52	17:29	18:00	19:32	20:02	20:22	20:16	19:41	18:51	18:03		16:29	16:25
21	07:08	06:36	05:53	06:04	05:29	05:19	05:36	06:05	06:35	17:57-18:04/7		06:41	07:08
	16:53	17:31	18:01	19:33	20:03	20:23	20:15	19:40	18:50	18:02		16:28	16:26
22	07:07	06:35	05:51	06:02	05:28	05:19	05:37	06:06	06:36	17:53-18:08/15		06:42	07:09
	16:55	17:32	18:02	19:34	20:04	20:23	20:14	19:38	18:48	18:01		16:28	16:26
23	07:07	06:33	05:50	06:01	05:27	05:20	05:38	06:07	06:37	17:50-18:10/20		06:43	07:09
	16:56	17:33	18:04	19:36	20:05	20:23	20:13	19:37	18:46	17:59		16:27	16:27
24	07:06	06:32	05:48	05:59	05:27	05:20	05:39	06:08	06:38	17:48-18:11/23		06:44	07:10
	16:57	17:34	18:05	19:37	20:06	20:23	20:12	19:35	18:45	17:58		16:27	16:27
25	07:05	06:30	05:46	05:58	05:26	05:20	05:39	06:09	06:39	17:47-18:12/25		06:46	07:10
	16:58	17:35	18:06	19:38	20:07	20:23	20:12	19:34	18:43	16:56		16:26	16:28
26	07:05	06:29	05:45	05:57	05:25	05:20	05:40	06:10	06:40	17:44-18:11/27		06:47	07:11
	16:59	17:36	18:07	19:39	20:08	20:23	20:11	19:32	18:41	16:55		16:26	16:28
27	07:04	06:28	05:43	05:55	05:25	05:21	05:41	06:11	06:41	17:43-18:12/29		06:48	07:11
	17:01	17:38	18:08	19:40	20:09	20:23	20:10	19:31	18:40	16:54		16:25	16:29
28	07:03	06:26	05:41	05:54	05:24	05:21	05:42	06:12	06:42	17:42-18:12/30		06:49	07:11
	17:02	17:39	18:09	19:41	20:09	20:23	20:09	19:29	18:38	16:52		16:25	16:30
29	07:02		06:40	05:53	05:23	05:22	05:43	06:13	06:43	17:42-18:12/30		06:50	07:12
	17:03		19:10	19:42	20:10	20:23	20:08	19:27	18:36	16:51		16:24	16:30
30	07:01		06:38	05:51	05:23	05:22	05:44	06:14	06:44	17:41-18:12/31		06:51	07:12
	17:04		19:11	19:43	20:11	20:23	20:07	19:26	18:35	16:50		16:24	16:31
31	07:00		06:36		05:22		05:45	06:15		06:17			07:12
	17:05		19:12		20:12		20:06	19:24		16:49			16:32
Ore potenziali eliofanìa	299	298	370	398	447	450	457	427	375	346	199	300	290
Somma minuti d'ombra	0	0	426	0	0	0	0	0	237	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Flickering Salice su Recettori **WTG: SV02 - Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!** hub: 135,0 m (TOT: 220,0 m) (2)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:12 16:33	07:00 17:07	06:24 16:03-17:06/63 17:40	06:35 19:13	05:50 19:44	05:22 20:12	05:22 20:23	05:46 20:05	06:16 19:23	06:45 16:38-17:45/67 18:33	06:18 16:47	06:52 16:24
2	07:12 16:34	06:59 17:08	06:23 16:03-17:07/64 17:41	06:33 19:14	05:49 19:45	05:21 20:13	05:23 20:23	05:47 20:04	06:17 19:21	06:46 16:37-17:45/68 18:31	06:19 16:46	06:53 16:24
3	07:13 16:35	06:58 17:09	06:21 16:02-17:07/65 17:42	06:31 19:15	05:47 19:46	05:21 20:14	05:23 20:23	05:48 20:03	06:18 19:20	06:47 16:37-17:45/68 18:30	06:20 16:45	06:54 16:23
4	07:13 16:36	06:57 17:10	06:20 16:02-17:08/66 17:43	06:30 19:16	05:46 19:47	05:21 20:15	05:24 20:23	05:49 20:02	06:18 19:18	06:48 16:36-17:44/68 18:28	06:21 16:44	06:55 16:23
5	07:13 16:36	06:56 17:11	06:18 16:01-17:07/66 17:44	06:28 19:17	05:45 19:48	05:20 20:15	05:24 20:23	05:50 20:01	06:19 19:16	06:49 16:36-17:44/68 18:27	06:22 16:43	06:56 16:23
6	07:13 16:37	06:55 17:13	06:17 16:00-17:07/67 17:45	06:27 19:18	05:44 19:49	05:20 20:16	05:25 20:22	05:50 19:59	06:20 19:15	06:50 16:37-17:44/67 18:25	06:24 16:42	06:57 16:23
7	07:13 16:38	06:53 17:14	06:15 16:00-17:08/68 17:46	06:25 19:19	05:43 19:50	05:20 20:17	05:26 20:22	05:51 19:58	06:21 19:13	06:51 16:36-17:44/68 18:23	06:25 16:41	06:58 16:23
8	07:12 16:39	06:52 17:15	06:14 15:59-17:07/68 17:48	06:23 19:20	05:41 19:51	05:19 20:17	05:26 20:22	05:52 19:57	06:22 19:11	06:52 16:36-17:43/67 18:22	06:26 16:40	06:59 16:23
9	07:12 16:40	06:51 17:16	06:12 16:00-17:08/68 17:49	06:22 19:21	05:40 19:52	05:19 20:18	05:27 20:21	05:53 19:56	06:23 19:10	06:53 16:36-17:43/67 18:20	06:27 16:38	07:00 16:23
10	07:12 16:41	06:50 17:18	06:11 15:59-17:07/68 17:50	06:20 19:22	05:39 19:53	05:19 20:18	05:28 20:21	05:54 19:54	06:24 19:08	06:54 16:36-17:42/66 18:19	06:28 16:37	07:00 16:23
11	07:12 16:42	06:49 17:19	06:09 15:59-17:06/67 17:51	06:19 19:23	05:38 19:54	05:19 20:21	05:28 19:53	05:55 19:06	06:25 19:06	06:55 16:36-17:41/65 18:17	06:29 16:37	07:01 16:23
12	07:12 16:43	06:48 17:20	06:07 15:59-17:07/68 17:52	06:17 19:24	05:37 19:55	05:19 20:20	05:29 19:52	05:56 19:05	06:26 17:14-17:27/13 19:03	06:56 16:37-17:40/63 18:15	06:31 16:36	07:02 16:23
13	07:11 16:44	06:47 17:21	06:06 15:59-17:06/67 17:53	06:16 19:25	05:36 19:56	05:19 20:20	05:30 19:51	05:57 19:03	06:27 17:08-17:32/24 19:03	06:57 16:37-17:39/62 18:14	06:32 16:35	07:03 16:23
14	07:11 16:45	06:45 17:22	06:04 16:00-17:06/66 17:54	06:14 19:26	05:35 19:57	05:19 20:20	05:30 20:19	05:58 19:49	06:28 17:05-17:34/29 19:01	06:58 16:37-17:38/61 18:12	06:33 16:34	07:04 16:23
15	07:11 16:47	06:44 17:24	06:03 16:00-17:05/65 17:55	06:13 19:27	05:34 19:58	05:19 20:21	05:31 20:19	05:59 19:48	06:29 17:02-17:37/35 19:00	06:59 16:38-17:37/59 18:11	06:34 16:33	07:04 16:24
16	07:10 16:48	06:43 17:25	16:27-16:45/18 06:01 15:59-17:04/65 17:56	06:11 19:28	05:33 19:59	05:19 20:21	05:32 20:18	06:00 19:47	06:30 16:59-17:38/39 18:58	07:00 16:38-17:35/57 18:09	06:35 16:32	07:05 16:24
17	07:10 16:49	06:41 17:26	16:23-16:50/27 05:59 16:00-17:04/64 17:57	06:10 19:29	05:32 20:00	05:19 20:21	05:33 20:18	06:01 19:45	06:31 16:57-17:40/43 18:56	07:01 16:39-17:34/55 18:08	06:36 16:31	07:06 16:24
18	07:09 16:50	06:40 17:27	16:20-16:52/32 05:58 16:01-17:03/62 17:58	06:08 19:30	05:31 20:01	05:19 20:22	05:33 20:17	06:02 19:44	06:32 16:55-17:41/46 18:55	07:02 16:41-17:34/53 18:06	06:38 16:31	07:06 16:24
19	07:09 16:51	06:39 17:28	16:17-16:55/38 05:56 16:01-17:01/60 17:59	06:07 19:31	05:30 20:02	05:19 20:22	05:34 20:16	06:03 19:42	06:33 16:53-17:42/49 18:53	07:03 16:42-17:32/50 18:05	06:39 16:30	07:07 16:25
20	07:08 16:52	06:37 17:29	16:15-16:56/41 05:54 16:02-17:01/59 18:00	06:05 19:32	05:30 20:02	05:19 20:22	05:35 20:16	06:04 19:41	06:34 16:51-17:43/52 18:51	07:04 16:43-17:30/47 18:03	06:40 16:29	07:08 16:25
21	07:08 16:53	06:36 17:31	16:13-16:58/45 05:53 16:02-16:59/57 18:01	06:04 19:33	05:29 20:03	05:19 20:23	05:36 20:15	06:05 19:40	06:35 16:50-17:44/54 18:50	07:05 16:44-17:28/44 18:02	06:41 16:28	07:08 16:26
22	07:07 16:55	06:35 17:32	16:12-17:00/48 05:51 16:03-16:58/55 18:02	06:02 19:34	05:28 20:04	05:19 20:23	05:37 20:14	06:06 19:38	06:36 16:48-17:45/57 18:48	07:07 16:46-17:26/40 18:01	06:42 16:28	07:09 16:26
23	07:07 16:56	06:33 17:33	16:10-17:01/51 05:49 16:05-16:57/52 18:03	06:01 19:35	05:27 20:05	05:20 20:23	05:38 20:13	06:07 19:37	06:37 16:47-17:45/58 18:46	07:08 16:48-17:24/36 17:59	06:43 16:27	07:09 16:27
24	07:06 16:57	06:32 17:34	16:09-17:02/53 05:48 16:05-16:55/50 18:05	05:59 19:37	05:26 20:06	05:20 20:23	05:38 20:12	06:08 19:35	06:38 16:45-17:46/61 18:45	07:09 16:50-17:21/31 17:58	06:44 16:27	07:10 16:27
25	07:05 16:58	06:30 17:35	16:07-17:03/56 05:46 16:06-16:53/47 18:06	05:58 19:38	05:26 20:07	05:20 20:23	05:39 20:12	06:09 19:34	06:39 16:44-17:46/62 18:43	07:10 15:54-16:18/24 16:56	06:46 16:26	07:10 16:28
26	07:05 16:59	06:29 17:36	16:06-17:04/58 05:45 16:08-16:52/44 18:07	05:57 19:39	05:25 20:08	05:20 20:23	05:40 20:11	06:10 19:32	06:40 16:42-17:45/63 18:41	06:11 15:58-16:13/15 16:55	06:47 16:26	07:11 16:28
27	07:04 17:00	06:27 17:38	16:05-17:05/60 05:43 16:10-16:49/39 18:08	05:55 19:40	05:24 20:09	05:21 20:23	05:41 20:10	06:11 19:31	06:41 16:41-17:45/64 18:40	06:12 16:54 16:54	06:48 16:25	07:11 16:29
28	07:03 17:02	06:26 17:39	16:04-17:06/62 05:41 16:12-16:48/36 18:09	05:54 19:41	05:24 20:09	05:21 20:23	05:42 20:09	06:12 19:29	06:42 16:40-17:45/65 18:38	06:13 16:52 16:52	06:49 16:25	07:11 16:30
29	07:02 17:03	06:25 17:40	17:14-17:45/31 06:40 19:10	05:52 19:42	05:23 20:10	05:22 20:23	05:43 20:08	06:13 19:27	06:43 16:39-17:45/66 18:36	06:14 16:51 16:51	06:50 16:24	07:12 16:24
30	07:01 17:04	06:24 17:41	17:17-17:41/24 06:38 19:11	05:51 19:43	05:23 20:11	05:22 20:23	05:44 20:07	06:14 19:26	06:44 16:39-17:45/66 18:35	06:16 16:50 16:50	06:51 16:24	07:12 16:31
31	07:00 17:05	06:23 17:42	17:37/15 06:36 19:12	05:50 19:43	05:22 20:12	05:22 20:23	05:45 20:06	06:15 19:24	06:17 16:49 16:49	06:17 16:50 16:50	06:52 16:24	07:12 16:32
Ore potenziali eliofanìa	299	298	370	398	447	450	457	427	375	346	300	290
Somma minuti d'ombra	0	589	1756	0	0	0	0	0	946	1436	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Flickering Salice su Recettori **WTG: SV03 - Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!** hub: 135,0 m (TOT: 220,0 m) (3)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:12 16:33	07:00 17:07	06:25 17:40	06:35 19:13	05:50 19:44	05:22 20:13	05:22 20:23	05:46 20:05	06:16 19:23	06:45 18:33	06:18 16:47	06:52 16:24
2	07:12 16:34	06:59 17:08	06:23 17:41	06:33 19:14	05:49 19:45	05:21 20:13	05:23 20:23	05:47 20:04	06:17 19:21	06:46 18:31	06:19 16:46	06:53 16:24
3	07:13 16:35	06:58 17:09	06:21 17:42	06:31 19:15	05:47 19:46	05:21 20:14	05:23 20:23	05:48 20:03	06:18 19:20	06:47 18:30	06:20 16:45	06:54 16:23
4	07:13 16:35	06:57 17:10	06:20 17:43	06:30 19:16	05:46 19:47	05:21 20:15	05:24 20:23	05:49 20:02	06:18 19:18	06:48 18:28	06:21 16:44	06:55 16:23
5	07:13 16:36	06:56 17:11	06:18 17:44	06:28 19:17	05:45 19:48	05:20 20:15	05:24 20:23	05:49 20:01	06:19 19:16	06:49 18:27	06:23 16:43	06:56 16:23
6	07:13 16:37	06:55 17:13	06:17 17:45	06:27 19:18	05:44 19:49	05:20 20:16	05:25 20:22	05:50 19:59	06:20 19:15	06:50 18:25	06:24 16:42	06:57 16:23
7	07:13 16:38	06:54 17:14	06:15 17:46	06:25 19:19	05:43 19:50	05:20 20:17	05:26 20:22	05:51 19:58	06:21 19:13	06:51 18:23	06:25 16:41	06:58 16:23
8	07:12 16:39	06:52 17:15	06:14 17:48	06:23 19:20	05:41 19:51	05:19 20:17	05:26 20:22	05:52 19:57	06:22 19:11	06:52 18:22	06:26 16:39	06:59 16:23
9	07:12 16:40	06:51 17:16	06:12 17:49	06:22 19:21	05:40 19:52	05:19 20:18	05:27 20:22	05:53 19:56	06:23 19:10	06:53 18:20	06:27 16:38	07:00 16:23
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11	07:12 16:42	06:49 17:19	06:09 17:51	06:19 19:23	05:38 19:54	05:19 20:19	05:28 20:21	05:55 19:53	06:25 19:06	06:55 18:17	06:30 16:36	07:01 16:23
12	07:12 16:43	06:48 17:20	06:07 17:52	06:17 19:24	05:37 19:55	05:19 20:19	05:29 20:20	05:56 19:52	06:26 19:05	06:56 18:15	06:31 16:36	07:02 16:23
13	07:11 16:44	06:47 17:21	06:06 17:53	06:16 19:25	05:36 19:56	05:19 20:20	05:30 20:20	05:57 19:51	06:27 19:03	06:57 18:14	06:32 16:35	07:03 16:23
14	07:11 16:45	06:45 17:22	06:04 17:54	06:14 19:26	05:35 19:57	05:19 20:20	05:30 20:19	05:58 19:49	06:28 19:01	06:58 18:12	06:33 16:34	07:04 16:23
15	07:11 16:47	06:44 17:24	06:03 17:55	06:13 19:27	05:34 19:58	05:19 20:21	05:31 20:19	05:59 19:48	06:29 19:00	06:59 18:11	06:34 16:33	07:04 16:23
16	07:10 16:48	06:43 17:25	06:01 17:56	06:11 19:28	05:33 19:59	05:19 20:21	05:32 20:18	06:00 19:47	06:30 18:58	07:00 18:09	06:35 16:32	07:05 16:24
17	07:10 16:49	06:41 17:26	05:59 17:57	06:10 19:29	05:32 20:00	05:19 20:21	05:33 20:18	06:01 19:45	06:31 18:56	07:01 18:08	06:37 16:31	07:06 16:24
18	07:10 16:50	06:40 17:27	05:58 17:58	06:08 19:30	05:31 20:01	05:19 20:22	05:33 20:17	06:02 19:44	06:32 18:55	07:02 18:06	06:38 16:31	07:07 16:24
19	07:09 16:51	06:39 17:28	05:56 17:59	06:07 19:31	05:30 20:02	05:19 20:22	05:34 20:16	06:03 19:42	06:33 18:53	07:03 18:05	06:39 16:30	07:07 16:25
20	07:09 16:52	06:37 17:29	05:54 18:00	06:05 19:32	05:30 20:02	05:19 20:22	05:35 20:16	06:04 19:41	06:34 18:51	07:04 18:03	06:40 16:29	07:08 16:25
21	07:08 16:53	06:36 17:31	05:53 18:01	06:04 19:33	05:29 20:03	05:19 20:23	05:36 20:15	06:05 19:40	06:35 18:50	07:06 18:02	06:41 16:28	07:08 16:26
22	07:07 16:54	06:35 17:32	05:51 18:02	06:02 19:34	05:28 20:04	05:19 20:23	05:37 20:14	06:06 19:38	06:36 18:48	07:07 18:01	06:42 16:28	07:09 16:26
23	07:07 16:56	06:33 17:33	05:49 18:04	06:01 19:36	05:27 20:05	05:19 20:23	05:38 20:13	06:07 19:37	06:37 18:46	07:08 17:59	06:43 16:27	07:09 16:27
24	07:06 16:57	06:32 17:34	05:48 18:05	05:59 19:37	05:26 20:06	05:20 20:23	05:38 20:12	06:08 19:35	06:38 18:45	07:09 17:58	06:44 16:27	07:10 16:27
25	07:05 16:58	06:30 17:35	05:46 18:06	05:58 19:38	05:26 20:07	05:20 20:23	05:39 20:12	06:09 19:34	06:39 18:43	06:10 16:56	06:46 16:26	07:10 16:28
26	07:05 16:59	06:29 17:36	05:45 18:07	05:57 19:39	05:25 20:08	05:20 20:23	05:40 20:11	06:10 19:32	06:40 18:41	06:11 16:55	06:47 16:26	07:11 16:28
27	07:04 17:00	06:27 17:38	05:43 18:08	05:55 19:40	05:24 20:09	05:21 20:23	05:41 20:10	06:11 19:31	06:41 18:40	06:12 16:54	06:48 16:25	07:11 16:29
28	07:03 17:02	06:26 17:39	05:41 18:09	05:54 19:41	05:24 20:09	05:21 20:23	05:42 20:09	06:12 19:29	06:42 18:38	06:13 16:52	06:49 16:25	07:11 16:30
29	07:02 17:03		06:40 19:10	05:52 19:42	05:23 20:10	05:21 20:23	05:43 20:08	06:13 19:27	06:43 18:36	06:14 16:51	06:50 16:24	07:12 16:30
30	07:01 17:04		06:38 19:11	05:51 19:43	05:23 20:11	05:22 20:23	05:44 20:07	06:14 19:26	06:44 18:35	06:16 16:50	06:51 16:24	07:12 16:31
31	07:00 17:05		06:36 19:12		05:22 20:12		05:45 20:06	06:15 19:24		06:17 16:49		07:12 16:32
Ore potenziali eliofanìa	299	298	370	398	447	450	457	427	375	346	299	290
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Flickering Salice su Recettori **WTG: SV04 - Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!** hub: 135,0 m (TOT: 220,0 m) (4)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio		Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre		
1	07:12	15:53-16:07/14	07:00	06:24	06:35	05:50	05:22	05:22	05:46	06:16	06:45	06:18	06:52	15:39-15:59/20	
	16:33		17:06	17:40	19:13	19:44	20:13	20:23	20:05	19:23	18:33	16:47		16:24	
2	07:12	15:55-16:08/13	06:59	06:23	06:33	05:49	05:21	05:23	05:47	06:17	06:46	06:19	06:53	15:39-15:58/19	
	16:34		17:08	17:41	19:14	19:45	20:13	20:23	20:04	19:21	18:31	16:46		16:23	
3	07:13	15:55-16:09/14	06:58	06:21	06:31	05:47	05:21	05:23	05:48	06:17	06:47	06:20	06:54	15:39-15:58/19	
	16:35		17:09	17:42	19:15	19:46	20:14	20:23	20:03	19:20	18:30	16:45		16:23	
4	07:13	15:54-16:09/15	06:57	06:20	06:30	05:46	05:20	05:24	05:48	06:18	06:48	06:21	06:55	15:40-15:58/18	
	16:35		17:10	17:43	19:16	19:47	20:15	20:23	20:02	19:18	18:28	16:44		16:23	
5	07:13	15:54-16:10/16	06:56	06:18	06:28	05:45	05:20	05:24	05:49	06:19	06:49	06:23	06:56	15:40-15:58/18	
	16:36		17:11	17:44	19:17	19:48	20:15	20:23	20:01	19:16	18:27	16:43		16:23	
6	07:13	15:55-16:11/16	06:55	06:17	06:27	05:44	05:20	05:25	05:50	06:20	06:50	06:24	06:57	15:41-15:57/16	
	16:37		17:13	17:45	19:18	19:49	20:16	20:22	19:59	19:15	18:25	16:42		16:23	
7	07:13	15:55-16:12/17	06:54	06:15	06:25	05:42	05:20	05:26	05:51	06:21	06:51	06:25	06:58	15:42-15:57/15	
	16:38		17:14	17:46	19:19	19:50	20:17	20:22	19:58	19:13	18:23	16:40		16:23	
8	07:12	15:56-16:14/18	06:52	06:14	06:23	05:41	05:19	05:26	05:52	06:22	06:52	06:26	06:59	15:42-15:57/15	
	16:39		17:15	17:47	19:20	19:51	20:17	20:22	19:57	19:11	18:22	16:39		16:23	
9	07:12	15:56-16:15/19	06:51	06:12	06:22	05:40	05:19	05:27	05:53	06:23	06:53	06:27	07:00	15:43-15:57/14	
	16:40		17:16	17:49	19:21	19:52	20:18	20:22	19:56	19:10	18:20	16:38		16:23	
10	07:12	15:57-16:16/19	06:50	06:11	06:20	05:39	05:19	05:27	05:54	06:24	06:54	06:28	07:01	15:44-15:58/14	
	16:41		17:17	17:50	19:22	19:53	20:18	20:21	19:55	19:08	18:19	16:37		16:23	
11	07:12	15:57-16:17/20	06:49	06:09	06:19	05:38	05:19	05:28	05:55	06:25	06:55	06:30	07:01	15:44-15:58/14	
	16:42		17:19	17:51	19:23	19:54	20:19	20:21	19:53	19:06	18:17	16:36		16:23	
12	07:12	15:57-16:18/21	06:48	06:07	06:17	05:37	05:19	05:29	05:56	06:26	06:56	06:31	07:02	15:44-15:57/13	
	16:43		17:20	17:52	19:24	19:55	20:19	20:20	19:52	19:05	18:15	16:35		16:23	
13	07:11	15:58-16:19/21	06:47	06:06	06:16	05:36	05:19	05:30	05:57	06:27	06:57	06:32	07:03	15:45-15:57/12	
	16:44		17:21	17:53	19:25	19:56	20:20	20:20	19:51	19:03	18:14	16:35		16:23	
14	07:11	15:58-16:20/22	06:45	06:04	06:14	05:35	05:18	05:30	05:58	06:28	06:58	06:33	07:04	15:46-15:58/12	
	16:45		17:22	17:54	19:26	19:57	20:20	20:19	19:49	19:01	18:12	16:34		16:23	
15	07:11	15:59-16:22/23	06:44	06:03	06:12	05:34	05:18	05:31	05:59	06:29	06:59	06:34	07:04	15:47-15:58/11	
	16:46		17:23	17:55	19:27	19:58	20:21	20:19	19:48	19:00	18:11	16:33		16:23	
16	07:10	15:59-16:22/23	06:43	06:01	06:11	05:33	05:18	05:32	06:00	06:30	07:00	06:35	07:05	15:47-15:58/11	
	16:48		17:25	17:56	19:28	19:59	20:21	20:18	19:47	18:58	18:09	16:32		16:24	
17	07:10	16:00-16:22/22	06:41	05:59	06:09	05:32	05:18	05:33	06:01	06:31	07:01	06:36	07:06	15:48-15:58/10	
	16:49		17:26	17:57	19:29	20:00	20:21	20:18	19:45	18:56	18:08	16:31		16:24	
18	07:10	16:00-16:22/22	06:40	05:58	06:08	05:31	05:19	05:33	06:02	06:32	07:02	06:38	15:42-15:51/9	07:07	15:49-15:59/10
	16:50		17:27	17:58	19:30	20:01	20:22	20:17	19:44	18:55	18:06	16:30		16:24	
19	07:09	16:02-16:22/20	06:39	05:56	06:06	05:30	05:19	05:34	06:03	06:33	07:03	06:39	15:40-15:53/13	07:07	15:49-15:59/10
	16:51		17:28	17:59	19:31	20:02	20:22	20:16	19:42	18:53	18:05	16:30		16:25	
20	07:08	16:02-16:21/19	06:37	05:54	06:05	05:29	05:19	05:35	06:04	06:34	07:04	06:40	15:40-15:56/16	07:08	15:50-16:00/10
	16:52		17:29	18:00	19:32	20:02	20:22	20:16	19:41	18:51	18:03	16:29		16:25	
21	07:08	16:03-16:21/18	06:36	05:53	06:04	05:29	05:19	05:36	06:05	06:35	07:05	06:41	15:39-15:57/18	07:08	15:50-16:00/10
	16:53		17:31	18:01	19:33	20:03	20:23	20:15	19:40	18:50	18:02	16:28		16:26	
22	07:07	16:05-16:21/16	06:35	05:51	06:02	05:28	05:19	05:37	06:06	06:36	07:07	06:42	15:38-15:57/19	07:09	15:51-16:01/10
	16:54		17:32	18:02	19:34	20:04	20:23	20:14	19:38	18:48	18:01	16:28		16:26	
23	07:07	16:06-16:19/13	06:33	05:49	06:01	05:27	05:19	05:38	06:07	06:37	07:08	06:43	15:38-15:58/20	07:09	15:51-16:01/10
	16:56		17:33	18:03	19:35	20:05	20:23	20:13	19:37	18:46	17:59	16:27		16:27	
24	07:06	16:08-16:17/9	06:32	05:48	05:59	05:26	05:20	05:38	06:08	06:38	07:09	06:44	15:38-15:59/21	07:10	15:52-16:02/10
	16:57		17:34	18:05	19:37	20:06	20:23	20:12	19:35	18:45	17:58	16:27		16:27	
25	07:05		06:30	05:46	05:58	05:26	05:20	05:39	06:09	06:39	06:10	06:46	15:38-16:00/22	07:10	15:52-16:02/10
	16:58		17:35	18:06	19:38	20:07	20:23	20:12	19:34	18:43	16:56	16:26		16:28	
26	07:05		06:29	05:45	05:56	05:25	05:20	05:40	06:10	06:40	06:11	06:47	15:38-16:01/23	07:11	15:52-16:02/10
	16:59		17:36	18:07	19:39	20:08	20:23	20:11	19:32	18:41	16:55	16:26		16:28	
27	07:04		06:27	05:43	05:55	05:24	05:21	05:41	06:11	06:41	06:12	06:48	15:38-16:01/23	07:11	15:53-16:04/11
	17:00		17:37	18:08	19:40	20:09	20:23	20:10	19:31	18:40	16:54	16:25		16:29	
28	07:03		06:26	05:41	05:54	05:24	05:21	05:42	06:12	06:42	06:13	06:49	15:38-16:00/22	07:11	15:53-16:04/11
	17:02		17:39	18:09	19:41	20:09	20:23	20:09	19:29	18:38	16:52	16:25		16:30	
29	07:02			06:40	05:52	05:23	05:21	05:43	06:13	06:43	06:14	06:50	15:38-16:00/22	07:12	15:53-16:05/12
	17:03			19:10	19:42	20:10	20:23	20:08	19:27	18:36	16:51	16:24		16:30	
30	07:01			06:38	05:51	05:23	05:22	05:44	06:14	06:44	06:16	06:51	15:38-15:59/21	07:12	15:53-16:05/12
	17:04			19:11	19:43	20:11	20:23	20:07	19:26	18:35	16:50	16:24		16:31	
31	07:00			06:36		05:22		05:45	06:15		06:17		07:12	15:53-16:06/13	
	17:05			19:12		20:12		20:06	19:24		16:49			16:32	
Ore potenziali eliofanìa	299		298	370	398	447	450	457	427	375	346	299	249	400	
Somma minuti d'ombra	430		0	0	0	0	0	0	0	0	0	0	249	400	

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Flickering Salice su Recettori **WTG: SV05 - Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!** hub: 135,0 m (TOT: 220,0 m) (5)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno
1	07:12 15:21-16:07/46 16:33	06:59 17:06	06:24 17:40	06:35 19:13	05:50 06:10-06:48/38 19:44	05:22 20:12
2	07:12 15:22-16:08/46 16:34	06:59 17:08	06:23 17:41	06:33 19:14	05:49 06:09-06:48/39 19:45	05:21 20:13
3	07:12 15:23-16:08/45 16:35	06:58 17:09	06:21 17:42	06:31 19:15	05:47 06:08-06:47/39 19:46	05:21 20:14
4	07:13 15:45-16:09/24 16:35 15:24-15:43/19	06:57 17:10	06:20 17:43	06:30 19:16	05:46 06:08-06:47/39 19:47	05:20 20:15
5	07:13 15:45-16:10/25 16:36 15:25-15:43/18	06:56 17:11	06:18 17:44	06:28 19:17	05:45 06:08-06:48/40 19:48	05:20 20:15
6	07:13 15:45-16:11/26 16:37 15:26-15:43/17	06:55 17:13	06:17 17:45	06:27 19:18	05:44 06:08-06:47/39 19:49	05:20 20:16
7	07:12 15:46-16:13/27 16:38 15:28-15:43/15	06:53 17:14	06:15 17:46	06:25 19:19	05:42 06:09-06:47/38 19:50	05:20 20:16
8	07:12 15:47-16:14/27 16:39 15:30-15:42/12	06:52 17:15	06:14 17:47	06:23 19:20	05:41 06:09-06:47/38 19:51	05:19 20:17
9	07:12 15:47-16:15/28 16:40 15:32-15:41/9	06:51 17:16	06:12 17:49	06:22 19:21	05:40 06:09-06:47/38 19:52	05:19 20:18
10	07:12 15:47-16:15/28 16:41	06:50 17:17	06:11 17:50	06:20 19:22	05:39 06:09-06:46/37 19:53	05:19 20:18
11	07:12 15:48-16:16/28 16:42	06:49 17:19	06:09 17:51	06:19 19:23	05:38 06:10-06:46/36 19:54	05:19 20:19
12	07:12 15:48-16:16/28 16:43	06:48 17:20	06:07 17:52	06:17 19:24	05:37 06:10-06:46/36 19:55	05:19 20:19
13	07:11 15:48-16:16/28 16:44	06:46 17:21	06:06 17:53	06:16 19:25	05:36 06:11-06:45/34 19:56	05:19 20:20
14	07:11 15:49-16:17/28 16:45	06:45 17:22	06:04 17:54	06:14 19:26	05:35 06:11-06:44/33 19:57	05:18 20:20
15	07:11 15:50-16:17/27 16:46	06:44 17:23	06:02 17:55	06:12 19:27	05:34 06:12-06:43/31 19:58	05:18 20:21
16	07:10 15:50-16:17/27 16:48	06:43 17:25	06:01 17:56	06:11 19:28	05:33 06:12-06:43/31 19:59	05:18 20:21
17	07:10 15:52-16:17/25 16:49	06:41 17:26	05:59 17:57	06:09 19:29	05:32 06:13-06:42/29 20:00	05:19 20:21
18	07:09 15:52-16:17/25 16:50	06:40 17:27	05:58 17:58	06:08 19:30	05:31 06:14-06:41/27 20:01	05:19 20:22
19	07:09 15:53-16:17/24 16:51	06:39 17:28	05:56 17:59	06:06 19:31	05:30 06:16-06:40/24 20:01	05:19 20:22
20	07:08 15:54-16:16/22 16:52	06:37 17:29	05:54 18:00	06:05 06:28-06:35/7 19:32	05:29 06:16-06:39/23 20:02	05:19 20:22
21	07:08 15:55-16:15/20 16:53	06:36 17:31	05:53 18:01	06:04 06:22-06:38/16 19:33	05:29 06:18-06:38/20 20:03	05:19 20:23
22	07:07 15:57-16:15/18 16:54	06:35 17:32	05:51 18:02	06:02 06:21-06:41/20 19:34	05:28 06:19-06:36/17 20:04	05:19 20:23
23	07:07 15:58-16:14/16 16:56	06:33 17:33	05:49 18:03	06:01 06:19-06:42/23 19:35	05:27 06:21-06:35/14 20:05	05:19 20:23
24	07:06 16:00-16:13/13 16:57	06:32 17:34	05:48 18:04	05:59 06:18-06:44/26 19:36	05:26 06:24-06:31/7 20:06	05:20 20:23
25	07:05 16:02-16:10/8 16:58	06:30 17:35	05:46 18:06	05:58 06:17-06:45/28 19:37	05:26 20:07	05:20 20:23
26	07:05 16:59	06:29 17:36	05:44 18:07	05:56 06:15-06:45/30 19:39	05:25 20:08	05:20 20:23
27	07:04 17:00	06:27 17:37	05:43 18:08	05:55 06:14-06:46/32 19:40	05:24 20:08	05:21 20:23
28	07:03 17:02	06:26 17:39	05:41 18:09	05:54 06:13-06:47/34 19:41	05:24 20:09	05:21 20:23
29	07:02 17:03		06:40 19:10	05:52 06:11-06:47/36 19:42	05:23 20:10	05:21 20:23
30	07:01 17:04		06:38 19:11	05:51 06:10-06:47/37 19:43	05:23 20:11	05:22 20:23
31	07:00 17:05		06:36 19:12		05:22 20:12	
Ore potenziali eliofanìa	299	298	370	398	447	450
Somma minuti d'ombra	749	0	0	289	747	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Flickering Salice su Recettori **WTG: SV05 - Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!** hub: 135,0 m (TOT: 220,0 m) (5)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:22 20:23	05:46 06:21-06:56/35 20:05	06:16 19:23	06:45 18:33	06:18 16:47	06:52 15:30-15:58/28 16:24
2	05:23 20:23	05:47 06:19-06:56/37 20:04	06:16 19:21	06:46 18:31	06:19 16:46	06:53 15:30-15:58/28 16:23
3	05:23 20:23	05:48 06:19-06:56/37 20:03	06:17 19:19	06:47 18:30	06:20 16:45	06:54 15:30-15:58/28 16:23 15:16-15:23/7
4	05:24 20:23	05:48 06:19-06:57/38 20:02	06:18 19:18	06:48 18:28	06:21 16:44	06:55 15:31-15:58/27 16:23 15:14-15:26/12
5	05:24 20:23	05:49 06:18-06:57/39 20:00	06:19 19:16	06:49 18:27	06:22 16:43	06:56 15:31-15:58/27 16:23 15:13-15:27/14
6	05:25 20:22	05:50 06:18-06:57/39 19:59	06:20 19:15	06:50 18:25	06:24 16:42	06:57 15:31-15:58/27 16:23 15:12-15:29/17
7	05:26 20:22	05:51 06:18-06:57/39 19:58	06:21 19:13	06:51 18:23	06:25 16:40	06:58 15:32-15:57/25 16:23 15:12-15:30/18
8	05:26 20:22	05:52 06:18-06:57/39 19:57	06:22 19:11	06:52 18:22	06:26 16:39	06:59 15:33-15:57/24 16:23 15:12-15:31/19
9	05:27 20:21	05:53 06:18-06:57/39 19:56	06:23 19:10	06:53 18:20	06:27 16:38	07:00 15:12-15:58/46 16:23
10	05:27 20:21	05:54 06:18-06:57/39 19:54	06:24 19:08	06:54 18:19	06:28 16:37	07:00 15:12-15:58/46 16:23
11	05:28 20:21	05:55 06:18-06:57/39 19:53	06:25 19:06	06:55 18:17	06:29 16:36	07:01 15:12-15:58/46 16:23
12	05:29 20:20	05:56 06:18-06:56/38 19:52	06:26 19:05	06:56 18:15	06:31 16:35	07:02 15:11-15:57/46 16:23
13	05:30 20:20	05:57 06:19-06:56/37 19:51	06:27 19:03	06:57 18:14	06:32 16:35	07:03 15:12-15:58/46 16:23
14	05:30 20:19	05:58 06:19-06:54/35 19:49	06:28 19:01	06:58 18:12	06:33 16:34	07:04 15:12-15:58/46 16:23
15	05:31 20:19	05:59 06:20-06:54/34 19:48	06:29 19:00	06:59 18:11	06:34 16:33	07:04 15:12-15:58/46 16:23
16	05:32 20:18	06:00 06:21-06:53/32 19:47	06:30 18:58	07:00 18:09	06:35 16:32	07:05 15:12-15:58/46 16:24
17	05:33 20:17	06:01 06:22-06:52/30 19:45	06:31 18:56	07:01 18:08	06:36 15:36-15:44/8 16:31	07:06 15:13-15:59/46 16:24
18	05:33 20:17	06:02 06:23-06:51/28 19:44	06:32 18:55	07:02 18:06	06:38 15:34-15:47/13 16:30	07:06 15:13-15:59/46 16:24
19	05:34 20:16	06:03 06:24-06:49/25 19:42	06:33 18:53	07:03 18:05	06:39 15:32-15:48/16 16:30	07:07 15:13-15:59/46 16:25
20	05:35 06:32-06:43/11 20:15	06:04 06:25-06:48/23 19:41	06:34 18:51	07:04 18:03	06:40 15:32-15:50/18 16:29	07:08 15:14-16:00/46 16:25
21	05:36 06:30-06:45/15 20:15	06:05 06:26-06:45/19 19:39	06:35 18:50	07:05 18:02	06:41 15:31-15:51/20 16:28	07:08 15:14-16:00/46 16:26
22	05:37 06:29-06:47/18 20:14	06:06 06:28-06:43/15 19:38	06:36 18:48	07:07 18:01	06:42 15:30-15:52/22 16:28	07:09 15:15-16:01/46 16:26
23	05:38 06:28-06:49/21 20:13	06:07 06:33-06:37/4 19:37	06:37 18:46	07:08 17:59	06:43 15:29-15:53/24 16:27	07:09 15:15-16:01/46 16:27
24	05:38 06:27-06:50/23 20:12	06:08 19:35	06:38 18:45	07:09 17:58	06:44 15:29-15:54/25 16:27	07:10 15:16-16:01/45 16:27
25	05:39 06:25-06:50/25 20:12	06:09 19:34	06:39 18:43	06:10 16:56	06:45 15:30-15:55/25 16:26	07:10 15:16-16:02/46 16:28
26	05:40 06:24-06:52/28 20:11	06:10 19:32	06:40 18:41	06:11 16:55	06:47 15:29-15:56/27 16:26	07:11 15:17-16:02/45 16:28
27	05:41 06:23-06:53/30 20:10	06:11 19:30	06:41 18:40	06:12 16:54	06:48 15:29-15:56/27 16:25	07:11 15:17-16:03/46 16:29
28	05:42 06:22-06:53/31 20:09	06:12 19:29	06:42 18:38	06:13 16:52	06:49 15:29-15:57/28 16:25	07:11 15:18-16:04/46 16:30
29	05:43 06:22-06:54/32 20:08	06:13 19:27	06:43 18:36	06:14 16:51	06:50 15:29-15:57/28 16:24	07:11 15:19-16:05/46 16:30
30	05:44 06:21-06:55/34 20:07	06:14 19:26	06:44 18:35	06:16 16:50	06:51 15:29-15:57/28 16:24	07:12 15:19-16:05/46 16:31
31	05:45 06:21-06:56/35 20:06	06:15 19:24		06:17 16:49		07:12 15:20-16:06/46 16:32
Ore potenziali eliofanìa	457	427	375	346	300	290
Somma minuti d'ombra	303	740	0	0	309	1357

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Flickering Salice su Recettori **WTG: SV06 - Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!** hub: 135,0 m (TOT: 220,0 m) (6)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:12 16:33	06:59 17:06	06:24 17:40	06:35 18:29-18:52/23 19:13	05:50 19:44	05:22 20:12	05:22 20:23	05:46 20:05	06:15 19:23	06:45 18:33	06:18 16:47	06:52 16:24
2	07:12 16:34	06:59 17:08	06:23 17:41	06:33 18:29-18:52/23 19:14	05:48 19:45	05:21 20:13	05:23 20:23	05:47 20:04	06:16 19:21	06:46 18:31	06:19 16:46	06:53 16:23
3	07:12 16:34	06:58 17:09	06:21 17:42	06:31 18:30-18:52/22 19:15	05:47 19:46	05:21 20:14	05:23 20:23	05:47 20:03	06:17 19:19	06:47 18:30	06:20 16:45	06:54 16:23
4	07:13 16:35	06:57 17:10	06:20 17:43	06:30 18:30-18:51/21 19:16	05:46 19:47	05:20 20:15	05:24 20:23	05:48 20:02	06:18 18:36-18:37/1 19:18	06:48 18:28	06:21 16:44	06:55 16:23
5	07:13 16:36	06:56 17:11	06:18 17:44	06:28 18:30-18:49/19 19:17	05:45 19:48	05:20 20:15	05:24 20:23	05:49 20:00	06:19 18:30-18:42/12 19:16	06:49 18:26	06:22 16:43	06:56 16:23
6	07:13 16:37	06:55 17:13	06:17 17:45	06:27 18:32-18:48/16 19:18	05:44 19:49	05:20 20:16	05:25 20:22	05:50 19:59	06:20 18:28-18:44/16 19:15	06:50 18:25	06:24 16:42	06:57 16:23
7	07:12 16:38	06:53 17:14	06:15 17:46	06:25 18:33-18:45/12 19:19	05:42 19:50	05:19 20:17	05:25 20:22	05:51 19:58	06:21 18:25-18:44/19 19:13	06:51 18:23	06:25 16:40	06:58 16:23
8	07:12 16:39	06:52 17:15	06:14 17:47	06:23 18:38-18:41/3 19:20	05:41 19:51	05:19 20:17	05:26 20:22	05:52 19:57	06:22 18:24-18:45/21 19:11	06:52 18:22	06:26 16:39	06:59 16:23
9	07:12 16:40	06:51 17:16	06:12 17:49	06:22 19:21	05:40 19:52	05:19 20:18	05:27 20:21	05:53 19:56	06:23 18:23-18:45/22 19:10	06:53 18:20	06:27 16:38	07:00 16:23
10	07:12 16:41	06:50 17:17	06:10 17:50	06:20 19:22	05:39 19:53	05:19 20:18	05:27 20:21	05:54 19:54	06:24 18:22-18:45/23 19:08	06:54 18:18	06:28 16:37	07:00 16:23
11	07:12 16:42	06:49 17:19	06:09 17:51	06:19 19:23	05:38 19:54	05:19 20:19	05:28 20:21	05:55 19:53	06:25 18:21-18:44/23 19:06	06:55 18:17	06:29 16:36	07:01 16:23
12	07:12 16:43	06:48 17:20	06:07 17:52	06:17 19:24	05:37 19:55	05:19 20:19	05:29 20:20	05:56 19:52	06:26 18:21-18:43/22 19:05	06:56 18:15	06:31 16:35	07:02 16:23
13	07:11 16:44	06:46 17:21	06:06 17:53	06:15 19:25	05:36 19:56	05:18 20:20	05:29 20:20	05:57 19:51	06:27 18:21-18:41/20 19:03	06:57 18:14	06:32 16:35	07:03 16:23
14	07:11 16:45	06:45 17:22	06:04 17:54	06:14 19:26	05:35 19:57	05:18 20:20	05:30 20:19	05:58 19:49	06:28 18:21-18:39/18 19:01	06:58 18:12	06:33 16:34	07:04 16:23
15	07:11 16:46	06:44 17:23	06:02 17:55	06:12 19:27	05:34 19:58	05:18 20:21	05:31 20:19	05:59 19:48	06:29 18:21-18:38/17 19:00	06:59 18:11	06:34 16:33	07:04 16:23
16	07:10 16:47	06:43 17:25	06:01 17:56	06:11 19:28	05:33 19:59	05:18 20:21	05:32 20:18	06:00 19:47	06:30 18:21-18:36/15 18:58	07:00 18:09	06:35 16:32	07:05 16:24
17	07:10 16:49	06:41 17:26	05:59 17:57	06:09 19:29	05:32 20:00	05:18 20:21	05:32 20:18	06:01 19:45	06:31 18:22-18:34/12 18:56	07:01 18:08	06:36 16:31	07:06 16:24
18	07:09 16:50	06:40 17:27	05:58 17:58	06:08 19:30	05:31 20:01	05:19 20:22	05:33 20:17	06:02 19:44	06:32 18:24-18:33/9 18:55	07:02 18:06	06:38 16:30	07:06 16:24
19	07:09 16:51	06:39 17:28	05:56 17:59	06:06 19:31	05:30 20:01	05:19 20:22	05:34 20:16	06:03 19:42	06:33 18:25-18:31/6 18:53	07:03 18:05	06:39 16:30	07:07 16:25
20	07:08 16:52	06:37 17:29	05:54 18:00	06:05 19:32	05:29 20:02	05:19 20:22	05:35 20:15	06:04 19:41	06:34 18:51	07:04 18:03	06:40 16:29	07:08 16:25
21	07:08 16:53	06:36 17:30	05:53 18:01	06:03 19:33	05:29 20:03	05:19 20:23	05:36 20:15	06:05 19:39	06:35 18:50	07:05 18:02	06:41 16:28	07:08 16:25
22	07:07 16:54	06:35 17:32	05:51 18:02	06:02 19:34	05:28 20:04	05:19 20:23	05:37 20:14	06:06 19:38	06:36 18:48	07:07 18:00	06:42 16:28	07:09 16:26
23	07:07 16:56	06:33 17:33	05:49 18:03	06:01 19:35	05:27 20:05	05:19 20:23	05:37 20:13	06:07 19:36	06:37 18:46	07:08 17:59	06:43 16:27	07:09 16:26
24	07:06 16:57	06:32 17:34	05:48 17:39-17:44/5 18:04	05:59 19:36	05:26 20:06	05:20 20:23	05:38 20:12	06:08 19:35	06:38 18:45	07:09 17:58	06:44 16:27	07:10 16:27
25	07:05 16:58	06:30 17:35	05:46 17:36-17:44/8 18:05	05:58 19:37	05:26 20:07	05:20 20:23	05:39 20:12	06:09 19:34	06:39 18:43	06:10 16:56	06:45 16:26	07:10 16:28
26	07:05 16:59	06:29 17:36	05:44 17:34-17:46/12 18:07	05:56 19:39	05:25 20:08	05:20 20:23	05:40 20:11	06:10 19:32	06:40 18:41	06:11 16:55	06:47 16:26	07:11 16:28
27	07:04 17:00	06:27 17:37	05:43 17:32-17:47/15 18:08	05:55 19:40	05:24 20:08	05:21 20:23	05:41 20:10	06:11 19:30	06:41 18:40	06:12 16:54	06:48 16:25	07:11 16:29
28	07:03 17:02	06:26 17:39	05:41 17:31-17:47/16 18:09	05:54 19:41	05:24 20:09	05:21 20:23	05:42 20:09	06:12 19:29	06:42 18:38	06:13 16:52	06:49 16:25	07:11 16:30
29	07:02 17:03	06:40 19:10	18:31-18:49/18 19:42	05:52 19:42	05:23 20:10	05:21 20:23	05:43 20:08	06:13 19:27	06:43 18:36	06:14 16:51	06:50 16:24	07:11 16:30
30	07:01 17:04	06:38 19:11	18:30-18:50/20 19:43	05:51 19:43	05:23 20:11	05:22 20:23	05:44 20:07	06:14 19:26	06:44 18:35	06:16 16:50	06:51 16:24	07:12 16:31
31	07:00 17:05	06:36 19:12	18:29-18:50/21 19:43	05:51 19:43	05:22 20:12	05:22 20:23	05:45 20:06	06:15 19:24	18:35	06:17 16:49	07:12 16:32	07:12 16:32
Ore potenziali eliofanìa	299	298	370	398	447	450	457	427	375	346	299	290
Somma minuti d'ombra	0	0	115	139	0	0	0	0	256	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Flickering Salice su Recettori **WTG: SV07 - Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!** hub: 135,0 m (TOT: 220,0 m) (7)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno
1	07:12 16:33	06:59 15:47-16:35/48 17:06	06:24 15:57-16:27/30 17:40	06:35 19:13	05:50 19:18-19:21/3 19:44	05:22 05:54-06:45/51 20:12
2	07:12 16:34	06:58 15:47-16:36/49 17:08	06:23 16:00-16:25/25 17:41	06:33 19:14	05:48 19:15-19:21/6 19:45	05:21 05:53-06:44/51 20:13
3	07:12 16:34	06:58 15:46-16:37/51 17:09	06:21 16:03-16:21/18 17:42	06:31 19:15	05:47 06:11-06:26/15 19:46 19:14-19:22/8	05:21 05:54-06:45/51 20:14
4	07:12 16:35	06:57 15:46-16:38/52 17:10	06:20 16:10-16:13/3 17:43	06:30 18:49-18:55/6 19:16	05:46 06:08-06:29/21 19:47 19:13-19:24/11	05:20 05:55-06:45/50 20:15
5	07:12 16:36	06:55 15:45-16:39/54 17:11	06:18 17:44	06:28 18:45-18:55/10 19:17	05:45 06:05-06:31/26 19:48 19:13-19:25/12	05:20 05:54-06:44/50 20:15
6	07:12 16:37	06:54 15:45-16:39/54 17:12	06:17 17:45	06:26 18:43-18:57/14 19:18	05:44 06:04-06:33/29 19:49 19:12-19:26/14	05:20 05:55-06:45/50 20:16
7	07:12 16:38	06:53 15:45-16:40/55 17:14	06:15 17:46	06:25 18:41-18:57/16 19:19	05:42 06:02-06:35/33 19:50 19:12-19:27/15	05:19 05:55-06:45/50 20:16
8	07:12 16:39	06:52 15:45-16:41/56 17:15	06:14 17:47	06:23 18:40-18:59/19 19:20	05:41 06:01-06:36/35 19:51 19:12-19:28/16	05:19 05:55-06:45/50 20:17
9	07:12 16:40	06:51 15:45-16:41/56 17:16	06:12 17:48	06:22 18:39-19:00/21 19:21	05:40 06:00-06:37/37 19:52 19:12-19:29/17	05:19 05:55-06:45/50 20:18
10	07:12 16:41	06:50 15:44-16:41/57 17:17	06:10 17:50	06:20 18:37-19:00/23 19:22	05:39 05:59-06:38/39 19:53 19:12-19:30/18	05:19 05:53-06:45/52 20:18
11	07:12 16:42	06:49 15:44-16:41/57 17:19	06:09 17:51	06:19 18:37-19:02/25 19:23	05:38 05:58-06:39/41 19:54 19:11-19:30/19	05:19 05:53-06:45/52 20:19
12	07:12 16:43	06:48 15:44-16:41/57 17:20	06:07 17:52	06:17 18:36-19:02/26 19:24	05:37 05:57-06:40/43 19:55 19:12-19:32/20	05:19 05:53-06:45/52 20:19
13	07:11 16:44	06:46 15:45-16:42/57 17:21	06:06 17:53	06:15 18:36-19:04/28 19:25	05:36 05:56-06:40/44 19:56 19:13-19:32/19	05:18 05:52-06:45/53 20:20
14	07:11 16:45	06:45 15:44-16:41/57 17:22	06:04 17:54	06:14 18:36-19:04/28 19:26	05:35 05:56-06:41/45 19:57 19:13-19:32/19	05:18 05:52-06:45/53 20:20
15	07:11 16:46	06:44 15:45-16:41/56 17:23	06:02 17:55	06:12 18:36-19:04/28 19:27	05:34 05:55-06:41/46 19:58 19:14-19:31/17	05:18 05:52-06:45/53 20:21
16	07:10 16:47	06:43 15:45-16:41/56 17:25	06:01 17:56	06:11 18:36-19:03/27 19:28	05:33 05:54-06:42/48 19:59 19:14-19:30/16	05:18 05:52-06:46/54 20:21
17	07:10 16:49	06:41 15:45-16:40/55 17:26	05:59 17:57	06:09 18:37-19:03/26 19:29	05:32 05:54-06:42/48 20:00 19:15-19:29/14	05:18 05:52-06:46/54 20:21
18	07:09 16:50	06:40 15:46-16:40/54 17:27	05:58 17:58	06:08 18:37-19:01/24 19:30	05:31 05:53-06:42/49 20:00 19:16-19:27/11	05:18 05:53-06:47/54 20:22
19	07:09 16:51	06:39 15:46-16:40/54 17:28	05:56 17:59	06:06 18:38-19:00/22 19:31	05:30 05:53-06:42/49 20:01 19:18-19:25/7	05:19 05:53-06:47/54 20:22
20	07:08 16:52	06:37 15:46-16:39/53 17:29	05:54 18:00	06:05 18:38-18:58/20 19:32	05:29 05:53-06:43/50 20:02	05:19 05:53-06:47/54 20:22
21	07:08 16:53	06:36 15:47-16:39/52 17:30	05:53 18:01	06:03 18:40-18:57/17 19:33	05:29 05:53-06:43/50 20:03	05:19 05:53-06:47/54 20:22
22	07:07 16:54	06:35 15:48-16:37/49 17:32	05:51 18:02	06:02 18:42-18:55/13 19:34	05:28 05:53-06:43/50 20:04	05:19 05:53-06:47/54 20:23
23	07:07 16:56	06:33 15:49-16:37/48 17:33	05:49 18:03	06:01 18:46-18:50/4 19:35	05:27 05:53-06:44/51 20:05	05:19 05:54-06:48/54 20:23
24	07:06 16:57	06:32 15:50-16:36/46 17:34	05:48 18:04	05:59 19:36	05:26 05:53-06:44/51 20:06	05:20 05:54-06:48/54 20:23
25	07:05 16:58	06:30 15:51-16:34/43 17:35	05:46 18:05	05:58 19:37	05:26 05:52-06:44/52 20:07	05:20 05:54-06:48/54 20:23
26	07:04 16:59	06:29 15:53-16:34/41 17:36	05:44 18:06	05:56 19:38	05:25 05:53-06:44/51 20:08	05:20 05:54-06:48/54 20:23
27	07:04 17:00	06:27 15:54-16:31/37 17:37	05:43 18:08	05:55 19:39	05:24 05:53-06:44/51 20:08	05:21 05:55-06:49/54 20:23
28	07:03 17:01	06:26 15:56-16:30/34 17:38	05:41 18:09	05:54 19:41	05:24 05:53-06:45/52 20:09	05:21 05:55-06:48/53 20:23
29	07:02 17:03	06:39 19:10	06:39 19:10	05:52 19:42	05:23 05:53-06:44/51 20:10	05:21 05:56-06:49/53 20:23
30	07:01 17:04	06:38 19:11	06:38 19:11	05:51 19:43	05:23 05:54-06:45/51 20:11	05:22 05:56-06:49/53 20:23
31	07:00 17:05	06:36 19:12	06:36 19:12		05:22 05:53-06:44/51 20:12	
Ore potenziali eliofanìa	299	298	370	398	447	450
Somma minuti d'ombra	397	1438	76	397	1521	1575

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Flickering Salice su Recettori **WTG: SV07 - Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!** hub: 135,0 m (TOT: 220,0 m) (7)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:22 05:58-06:50/52 20:23	05:46 06:07-06:49/42 20:05 19:22-19:41/19	06:15 18:36-19:01/25 19:23	06:44 18:33	06:18 15:14-16:10/56 16:47	06:52 16:24
2	05:23 05:58-06:50/52 20:23	05:46 06:08-06:48/40 20:04 19:21-19:40/19	06:16 18:36-18:59/23 19:21	06:45 18:31	06:19 15:14-16:10/56 16:46	06:53 16:23
3	05:23 05:59-06:51/52 20:23	05:47 06:09-06:48/39 20:03 19:21-19:39/18	06:17 18:37-18:58/21 19:19	06:46 18:30	06:20 15:14-16:09/55 16:45	06:54 16:23
4	05:24 06:00-06:50/50 20:23	05:48 06:10-06:47/37 20:02 19:21-19:38/17	06:18 18:37-18:56/19 19:18	06:47 18:28	06:21 15:15-16:10/55 16:44	06:55 16:23
5	05:24 06:01-06:51/50 20:23	05:49 06:11-06:45/34 20:00 19:21-19:37/16	06:19 18:38-18:54/16 19:16	06:49 18:26	06:22 15:15-16:09/54 16:43	06:56 16:23
6	05:25 06:01-06:51/50 20:22	05:50 06:12-06:44/32 19:59 19:22-19:36/14	06:20 18:39-18:53/14 19:15	06:50 18:25	06:24 15:15-16:09/54 16:41	06:57 16:23
7	05:25 06:01-06:51/50 20:22	05:51 06:14-06:42/28 19:58 19:22-19:35/13	06:21 18:40-18:50/10 19:13	06:51 18:23	06:25 15:16-16:08/52 16:40	06:58 16:23
8	05:26 06:01-06:51/50 20:22	05:52 06:16-06:40/24 19:57 19:23-19:34/11	06:22 18:43-18:49/6 19:11	06:52 18:22	06:26 15:17-16:08/51 16:39	06:59 16:23
9	05:27 06:01-06:52/51 20:21	05:53 06:18-06:38/20 19:56 19:23-19:33/10	06:23 19:10	06:53 18:20	06:27 15:18-16:07/49 16:38	07:00 16:23
10	05:27 06:02-06:52/50 20:21	05:54 06:22-06:34/12 19:54 19:24-19:32/8	06:24 19:08	06:54 16:41-16:53/12 18:18	06:28 15:18-16:06/48 16:37	07:00 16:23
11	05:28 06:01-06:52/51 20:21	05:55 19:24-19:30/6 19:53	06:25 19:06	06:55 16:36-16:57/21 18:17	06:29 15:19-16:05/46 16:36	07:01 16:23
12	05:29 06:02-06:52/50 20:20	05:56 19:26-19:29/3 19:52	06:26 19:05	06:56 16:32-17:00/28 18:15	06:31 15:21-16:05/44 16:35	07:02 16:23
13	05:29 06:02-06:53/51 20:20	05:57 19:51	06:27 19:03	06:57 16:30-17:02/32 18:14	06:32 15:21-16:04/43 16:34	07:03 16:23
14	05:30 06:01-06:52/51 20:19	05:58 19:49	06:28 19:01	06:58 16:27-17:03/36 18:12	06:33 15:22-16:03/41 16:34	07:04 16:23
15	05:31 06:02-06:53/51 20:19	05:59 19:48	06:29 19:00	06:59 16:25-17:05/40 18:11	06:34 15:23-16:02/39 16:33	07:04 16:23
16	05:32 06:02-06:53/51 20:18	06:00 19:46	06:30 18:58	07:00 16:23-17:06/43 18:09	06:35 15:25-16:02/37 16:32	07:05 16:24
17	05:32 06:02-06:54/52 20:17	06:01 19:45	06:31 18:56	07:01 16:22-17:06/44 18:08	06:36 15:27-16:00/33 16:31	07:06 16:24
18	05:33 06:02-06:53/51 20:17	06:02 19:44	06:32 18:55	07:02 16:20-17:07/47 18:06	06:38 15:28-15:59/31 16:30	07:06 16:24
19	05:34 06:02-06:53/51 20:16	06:03 19:42	06:33 18:53	07:03 16:20-17:09/49 18:05	06:39 15:30-15:57/27 16:30	07:07 16:25
20	05:35 06:03-06:53/50 20:15	06:04 18:50-18:57/7 19:41	06:34 18:51	07:04 16:19-17:09/50 18:03	06:40 15:33-15:56/23 16:29	07:08 16:25
21	05:36 06:03-06:54/51 20:15	06:05 18:47-19:00/13 19:39	06:35 18:50	07:05 16:18-17:09/51 18:02	06:41 15:35-15:54/19 16:28	07:08 16:25
22	05:37 06:03-06:54/51 20:14	06:06 19:38	06:36 18:48	07:06 16:17-17:10/53 18:00	06:42 15:39-15:51/12 16:28	07:09 16:26
23	05:37 06:04-06:54/50 20:13	06:07 18:43-19:03/20 19:36	06:37 18:46	07:08 16:16-17:10/54 17:59	06:43 16:27	07:09 16:26
24	05:38 06:03-06:53/50 20:12	06:08 18:42-19:04/22 19:35	06:38 18:45	07:09 16:15-17:10/55 17:58	06:44 16:26	07:10 16:27
25	05:39 06:04-06:53/49 20:11	06:09 18:39-19:04/25 19:33	06:39 18:43	06:10 15:15-16:11/56 16:56	06:45 16:26	07:10 16:28
26	05:40 06:04-06:53/49 20:11	06:10 18:39-19:05/26 19:32	06:40 18:41	06:11 15:15-16:11/56 16:55	06:47 16:25	07:10 16:28
27	05:41 06:05-06:52/47 20:10	06:11 18:38-19:05/27 19:30	06:41 18:40	06:12 15:14-16:11/57 16:54	06:48 16:25	07:11 16:29
28	05:42 06:05-06:52/47 20:09	06:12 18:37-19:05/28 19:29	06:42 18:38	06:13 15:14-16:11/57 16:52	06:49 16:25	07:11 16:30
29	05:43 06:06-06:52/46 20:08	06:13 18:37-19:05/28 19:27	06:42 18:36	06:14 15:13-16:10/57 16:51	06:50 16:24	07:11 16:30
30	05:44 06:06-06:51/45 20:07	06:14 18:36-19:04/28 19:26	06:43 18:35	06:15 15:14-16:11/57 16:50	06:51 16:24	07:12 16:31
31	05:45 06:07-06:51/44 20:06	06:14 18:36-19:02/26 19:24		06:17 15:14-16:11/57 16:48		07:12 16:32
Ore potenziali eliofanìa	457	427	375	346	299	290
Somma minuti d'ombra	1659	729	134	1012	925	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Flickering Salice su Recettori **WTG: SV08 - Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!** hub: 135,0 m (TOT: 220,0 m) (8)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno
1	07:12 16:33	06:59 17:06	06:24 17:40	16:07-17:04/57 06:35 19:13	05:50 19:44	18:36-19:11/35 20:12
2	07:12 16:34	06:58 17:08	06:23 17:41	16:08-17:04/56 06:33 19:14	05:48 19:45	18:36-19:10/34 05:21 20:13
3	07:12 16:34	06:57 17:09	06:21 17:42	16:07-17:03/56 06:31 19:15	05:47 19:46	18:36-19:09/33 05:21 20:14
4	07:12 16:35	06:56 17:10	06:20 17:43	16:07-17:02/55 06:30 19:16	05:46 19:47	18:37-19:08/31 05:20 20:14
5	07:12 16:36	06:55 17:11	06:18 17:44	16:08-17:02/54 06:28 19:17	05:45 19:48	18:38-19:08/30 05:20 20:15
6	07:12 16:37	06:54 17:12	06:17 17:45	16:07-17:01/54 06:26 19:18	05:44 19:49	18:39-19:07/28 05:20 20:16
7	07:12 16:38	06:53 17:14	06:15 17:46	16:08-17:01/53 06:25 19:19	05:42 19:50	18:40-19:06/26 05:19 20:16
8	07:12 16:39	06:52 17:15	06:14 17:47	06:32-06:41/9 06:23 19:20	05:41 19:51	18:41-19:05/24 05:19 20:17
9	07:12 16:40	06:51 17:16	06:12 17:48	06:31-06:44/13 06:22 19:21	05:40 19:52	18:43-19:03/20 05:19 20:18
10	07:12 16:41	06:50 17:17	06:10 17:50	06:29-06:45/16 06:20 19:22	05:39 19:53	18:45-19:01/16 05:19 20:18
11	07:12 16:42	06:49 17:19	06:09 17:51	06:27-06:46/19 06:19 19:23	05:38 19:54	18:46-18:58/12 05:19 20:19
12	07:12 16:43	06:48 17:20	06:07 17:52	06:26-06:48/22 06:17 19:24	05:37 19:55	05:18 20:19
13	07:11 16:44	06:46 17:21	06:06 17:53	06:24-06:48/24 06:15 19:25	05:36 19:56	05:18 20:20
14	07:11 16:45	06:45 17:22	06:04 17:54	06:23-06:49/26 06:14 19:26	18:49-19:03/14 05:35 19:57	05:18 20:20
15	07:11 16:46	06:44 17:23	06:02 17:55	06:21-06:49/28 06:12 19:27	18:47-19:06/19 05:34 19:58	05:18 20:21
16	07:10 16:47	06:43 17:25	06:01 17:56	06:19-06:48/29 06:11 19:28	18:44-19:06/22 05:33 19:59	05:18 20:21
17	07:10 16:49	06:41 17:26	05:59 17:57	06:18-06:49/31 06:09 19:29	18:43-19:08/25 05:32 19:59	05:18 20:21
18	07:09 16:50	06:40 17:27	05:57 17:58	06:16-06:48/32 06:08 19:30	18:41-19:08/27 05:31 20:00	05:18 20:22
19	07:09 16:51	06:39 17:28	05:56 17:59	06:14-06:47/33 06:06 19:31	18:40-19:09/29 05:30 20:01	05:19 20:22
20	07:08 16:52	06:37 17:29	05:54 18:00	06:13-06:47/34 06:05 19:32	18:38-19:10/32 05:29 20:02	05:19 20:22
21	07:08 16:53	06:36 17:30	05:53 18:01	06:11-06:46/35 06:03 19:33	18:38-19:11/33 05:29 20:03	05:19 20:22
22	07:07 16:54	06:34 17:32	05:51 18:02	06:10-06:45/35 06:02 19:34	18:37-19:13/36 05:28 20:04	05:19 20:23
23	07:07 16:55	06:33 17:33	05:49 18:03	06:11-06:44/33 06:01 19:35	18:36-19:12/36 05:27 20:05	05:19 20:23
24	07:06 16:57	06:32 17:34	05:48 18:04	06:11-06:42/31 05:59 19:36	18:36-19:13/37 05:26 20:06	05:20 20:23
25	07:05 16:58	06:30 17:35	05:46 18:05	06:12-06:40/28 05:58 19:37	18:35-19:12/37 05:26 20:07	05:20 20:23
26	07:04 16:59	06:29 17:36	05:44 18:06	06:14-06:38/24 05:56 19:38	18:35-19:12/37 05:25 20:08	05:20 20:23
27	07:04 17:00	06:27 17:37	05:43 18:07	06:17-06:34/17 05:55 19:39	18:35-19:12/37 05:24 20:08	05:21 20:23
28	07:03 17:01	06:26 17:38	05:41 18:09	05:54 19:40	18:35-19:11/36 05:24 20:09	05:21 20:23
29	07:02 17:03		06:39 19:10	05:52 19:42	18:35-19:11/36 05:23 20:10	05:21 20:23
30	07:01 17:04		06:38 19:11	05:51 19:43	18:35-19:11/36 05:23 20:11	05:22 20:23
31	07:00 17:05		06:36 19:12		05:22 20:12	
Ore potenziali eliofanìa	299	298	370	398	447	450
Somma minuti d'ombra	0	834	1329	529	289	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Flickering Salice su Recettori **WTG: SV08 - Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!** hub: 135,0 m (TOT: 220,0 m) (8)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre	
1	05:22 20:23	05:46 20:05	18:59-19:06/7 06:15 19:23	06:44 18:33	07:04-07:27/23 16:51-17:34/43	06:18 16:47	16:00-16:11/11 16:24
2	05:23 20:23	05:46 20:04	18:56-19:09/13 06:16 19:21	06:45 18:31	07:05-07:25/20 16:50-17:35/45	06:19 16:46	06:53 16:23
3	05:23 20:23	05:47 20:03	18:53-19:12/19 06:17 19:19	06:46 18:30	07:06-07:24/18 16:48-17:35/47	06:20 16:45	06:54 16:23
4	05:24 20:23	05:48 20:01	18:52-19:13/21 06:18 19:18	06:47 18:28	07:07-07:22/15 16:47-17:36/49	06:21 16:44	06:55 16:23
5	05:24 20:23	05:49 20:00	18:50-19:15/25 06:19 19:16	06:48 18:26	07:08-07:19/11 16:46-17:36/50	06:22 16:43	06:56 16:23
6	05:25 20:22	05:50 19:59	18:49-19:16/27 06:20 19:15	06:49 18:25	07:09-07:15/6 16:44-17:37/53	06:23 16:41	06:57 16:23
7	05:25 20:22	05:51 19:58	18:48-19:17/29 06:21 19:13	06:51 18:23	16:43-17:37/54 16:40	06:25 16:40	06:58 16:23
8	05:26 20:22	05:52 19:57	18:47-19:18/31 06:22 19:11	06:52 18:22	16:43-17:37/54 16:39	06:26 16:39	06:59 16:23
9	05:27 20:21	05:53 19:56	18:46-19:18/32 06:23 19:10	06:53 18:20	16:42-17:37/55 16:38	06:27 16:38	06:59 16:23
10	05:27 20:21	05:54 19:54	18:46-19:19/33 06:24 19:08	06:54 18:18	16:42-17:38/56 16:37	06:28 16:37	07:00 16:23
11	05:28 20:21	05:55 19:53	18:44-19:18/34 06:25 19:06	06:55 18:17	16:42-17:38/56 16:36	06:29 16:36	07:01 16:23
12	05:29 20:20	05:56 19:52	18:44-19:19/35 06:26 19:05	06:56 18:15	16:41-17:37/56 16:35	06:30 16:35	07:02 16:23
13	05:29 20:20	05:57 19:50	18:43-19:19/36 06:27 19:03	06:57 18:14	16:41-17:37/56 16:34	06:32 16:34	07:03 16:23
14	05:30 20:19	05:58 19:49	18:43-19:19/36 06:28 19:01	06:58 18:12	16:40-17:37/57 16:34	06:33 16:34	07:04 16:23
15	05:31 20:19	05:59 19:48	18:42-19:19/37 06:29 19:00	06:59 18:11	16:40-17:36/56 16:33	06:34 16:33	07:04 16:23
16	05:32 20:18	06:00 19:46	18:42-19:19/37 06:30 18:58	07:14-07:22/8 07:07-07:13/6	07:00 18:09	16:40-17:35/55 16:32	06:35 16:24
17	05:32 20:17	06:01 19:45	18:42-19:19/37 06:31 18:56	07:03-07:26/23 18:08	07:01 18:08	16:40-17:35/55 16:31	06:36 16:24
18	05:33 20:17	06:02 19:44	18:42-19:19/37 06:32 18:55	07:01-07:28/27 18:06	07:02 18:06	16:40-17:34/54 16:30	06:37 16:24
19	05:34 20:16	06:03 19:42	18:42-19:18/36 06:33 18:53	06:59-07:29/30 18:05	07:03 18:05	16:41-17:34/53 16:30	06:39 16:25
20	05:35 20:15	06:04 19:41	18:42-19:18/36 06:34 18:51	06:57-07:30/33 18:03	07:04 18:03	16:41-17:33/52 16:29	06:40 16:25
21	05:36 20:15	06:05 19:39	18:42-19:17/35 06:35 18:50	06:56-07:31/35 18:02	07:05 18:02	16:42-17:32/50 16:28	06:41 16:25
22	05:37 20:14	06:06 19:38	18:43-19:16/33 06:36 18:48	06:56-07:31/35 18:48	07:06 18:00	16:42-17:31/49 16:28	06:42 16:26
23	05:37 20:13	06:07 19:36	18:43-19:14/31 06:37 18:46	06:56-07:31/35 18:46	07:08 17:59	16:43-17:30/47 16:27	06:43 16:26
24	05:38 20:12	06:08 19:35	18:44-19:13/29 06:38 18:45	06:57-07:31/34 17:58	07:09 17:58	16:43-17:29/46 16:26	06:44 16:27
25	05:39 20:11	06:09 19:33	18:44-19:11/27 06:39 18:43	06:58-07:31/33 17:08-17:22/14	06:10 16:56	15:45-16:28/43 16:26	06:45 16:28
26	05:40 20:11	06:10 19:32	18:45-19:09/24 06:39 18:41	06:59-07:30/31 17:03-17:26/23	06:11 16:55	15:46-16:27/41 16:25	06:46 16:28
27	05:41 20:10	06:11 19:30	18:46-19:08/22 06:40 18:40	07:00-07:30/30 17:00-17:28/28	06:12 16:54	15:47-16:25/38 16:25	06:48 16:29
28	05:42 20:09	06:12 19:29	18:48-19:06/18 06:41 18:38	07:01-07:29/28 16:57-17:30/33	06:13 16:52	15:49-16:23/34 16:25	06:49 16:29
29	05:43 20:08	06:13 19:27	18:51-19:04/13 06:42 18:36	07:02-07:29/27 16:55-17:32/37	06:14 16:51	15:50-16:21/31 16:24	06:50 16:30
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31	05:45 20:06	06:14 19:24			06:17 16:48	15:56-16:16/20	07:12 16:32
Ore potenziali eliofanìa	457	427	375	346	299	11	0
Somma minuti d'ombra	0	830	615	1574	71	0	

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Flickering Salice su Recettori **WTG: SV09 - Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!** hub: 135,0 m (TOT: 220,0 m) (9)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:12 16:33	06:59 17:06	06:24 17:40	06:35 19:13	05:50 19:44	05:22 20:12	05:22 20:23	05:46 20:05	06:15 19:23	06:44 18:33	06:18 16:47	06:52 16:24
2	07:12 16:34	06:58 17:08	06:23 17:41	06:33 19:14	05:48 19:45	05:21 20:13	05:23 20:23	05:46 20:04	06:16 19:21	06:45 18:31	06:19 16:46	06:53 16:23
3	07:12 16:34	06:57 17:09	06:21 17:42	06:31 19:15	05:47 19:46	05:21 20:14	05:23 20:23	05:47 20:03	06:17 19:19	06:46 18:30	06:20 16:45	06:54 16:23
4	07:12 16:35	06:56 17:10	06:20 17:43	06:30 19:16	05:46 19:47	05:20 20:14	05:24 20:23	05:48 20:01	06:18 19:18	06:47 18:28	06:21 16:44	06:55 16:23
5	07:12 16:36	06:55 17:11	06:18 17:44	06:28 19:17	05:45 19:48	05:20 20:15	05:24 20:22	05:49 20:00	06:19 19:16	06:48 18:26	06:22 16:43	06:56 16:23
6	07:12 16:37	06:54 17:12	06:17 17:45	06:26 19:18	05:43 19:49	05:20 20:16	05:25 20:22	05:50 19:59	06:20 19:14	06:49 18:25	06:23 16:41	06:57 16:23
7	07:12 16:38	06:53 17:14	06:15 17:46	06:25 19:19	05:42 19:50	05:19 20:16	05:25 20:22	05:51 19:58	06:21 19:13	06:50 18:23	06:25 16:40	06:58 16:23
8	07:12 16:39	06:52 17:15	06:14 17:47	06:23 19:20	05:41 19:51	05:19 20:17	05:26 20:22	05:52 19:57	06:22 19:11	06:51 18:22	06:26 16:39	06:59 16:23
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13	07:11 16:44	06:46 17:21	06:06 17:53	06:15 19:25	05:36 19:56	05:18 20:20	05:29 20:20	05:57 19:50	06:27 19:03	06:57 18:14	06:32 16:34	07:03 16:23
14	07:11 16:45	06:45 17:22	06:04 17:54	06:14 19:26	05:35 19:57	05:18 20:20	05:30 20:19	05:58 19:49	06:28 19:01	06:58 18:12	06:33 16:34	07:03 16:23
15	07:11 16:46	06:44 17:23	06:02 17:55	06:12 19:27	05:34 19:58	05:18 20:20	05:31 20:19	05:59 19:48	06:29 19:00	06:59 18:11	06:34 16:33	07:04 16:23
16	07:10 16:47	06:43 17:25	06:01 17:56	06:11 19:28	05:33 19:58	05:18 20:21	05:32 20:18	06:00 19:46	06:30 18:58	07:00 18:09	06:35 16:32	07:05 16:24
17	07:10 16:49	06:41 17:26	05:59 17:57	06:09 19:29	05:32 19:59	05:18 20:21	05:32 20:17	06:01 19:45	06:31 18:56	07:01 18:08	06:36 16:31	07:06 16:24
18	07:09 16:50	06:40 17:27	05:57 17:58	06:08 19:30	05:31 20:00	05:18 20:22	05:33 20:17	06:02 19:44	06:32 18:55	07:02 18:06	06:37 16:30	07:06 16:24
19	07:09 16:51	06:39 17:28	05:56 17:59	06:06 19:31	05:30 20:01	05:19 20:22	05:34 20:16	06:03 19:42	06:33 18:53	07:03 18:05	06:39 16:30	07:07 16:25
20	07:08 16:52	06:37 17:29	05:54 18:00	06:05 19:32	05:29 20:02	05:19 20:22	05:35 20:15	06:04 19:41	06:34 18:51	07:04 18:03	06:40 16:29	07:07 16:25
21	07:08 16:53	06:36 17:30	05:53 18:01	06:03 19:33	05:29 20:03	05:19 20:22	05:36 20:15	06:05 19:39	06:35 18:50	07:05 18:02	06:41 16:28	07:08 16:25
22	07:07 16:54	06:34 17:32	05:51 18:02	06:02 19:34	05:28 20:04	05:19 20:23	05:37 20:14	06:06 19:38	06:36 18:48	07:06 18:00	06:42 16:28	07:09 16:26
23	07:06 16:55	06:33 17:33	05:49 18:03	06:01 19:35	05:27 20:05	05:19 20:23	05:37 20:13	06:07 19:36	06:37 18:46	07:07 17:59	06:43 16:27	07:09 16:26
24	07:06 16:57	06:32 17:34	05:48 18:04	05:59 19:36	05:26 20:06	05:20 20:23	05:38 20:12	06:08 19:35	06:38 18:45	07:09 17:58	06:44 16:26	07:10 16:27
25	07:05 16:58	06:30 17:35	05:46 18:05	05:58 19:37	05:26 20:07	05:20 20:23	05:39 20:11	06:09 19:33	06:38 18:43	06:10 16:56	06:45 16:26	07:10 16:28
26	07:04 16:59	06:29 17:36	05:44 18:06	05:56 19:38	05:25 20:08	05:20 20:23	05:40 20:11	06:10 19:32	06:39 18:41	06:11 16:55	06:46 16:25	07:10 16:28
27	07:04 17:00	06:27 17:37	05:43 18:07	05:55 19:39	05:24 20:08	05:21 20:23	05:41 20:10	06:11 19:30	06:40 18:40	06:12 16:54	06:48 16:25	07:11 16:29
28	07:03 17:01	06:26 17:38	05:41 18:08	05:54 19:40	05:24 20:09	05:21 20:23	05:42 20:09	06:12 19:29	06:41 18:38	06:13 16:52	06:49 16:25	07:11 16:29
29	07:02 17:03		06:39 19:09	05:52 19:41	05:23 20:10	05:21 20:23	05:43 20:08	06:12 19:27	06:42 18:36	06:14 16:51	06:50 16:24	07:11 16:30
30	07:01 17:04		06:38 19:11	05:51 19:42	05:23 20:11	05:22 20:23	05:44 20:07	06:13 19:26	06:43 18:35	06:15 16:50	06:51 16:24	07:12 16:31
31	07:00 17:05		06:36 19:12		05:22 20:12		05:45 20:06	06:14 19:24		06:17 16:48		07:12 16:32
Ore potenziali eliofanìa	299	298	370	398	447	450	457	427	375	346	300	290
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Flickering Salice su Recettori **WTG:** SV10 - Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (10)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:12 16:33	06:59 17:06	06:24 17:40	06:35 19:13	05:50 19:44	05:22 20:12	05:22 20:23	05:46 20:05	06:15 19:23	06:44 18:33	06:18 16:47	16:15-16:24/9 16:24
2	07:12 16:34	06:58 17:08	06:23 17:41	06:33 19:14	05:48 19:45	05:21 20:13	05:23 20:23	05:46 20:04	06:16 19:21	06:45 18:31	06:19 16:46	16:17-16:22/5 16:23
3	07:12 16:34	06:57 17:09	06:21 17:42	06:31 19:15	05:47 19:46	05:21 20:14	05:23 20:23	05:47 20:03	06:17 19:19	06:46 18:30	06:20 16:45	16:19-16:21/2 16:23
4	07:12 16:35	06:56 17:10	06:20 17:43	06:30 19:16	05:46 19:47	05:20 20:14	05:24 20:23	05:48 20:01	06:18 19:18	06:47 18:28	06:21 16:44	16:23 16:23
5	07:12 16:36	06:55 17:11	06:18 17:44	06:28 19:17	05:45 19:48	05:20 20:15	05:24 20:23	05:49 20:00	06:19 19:16	06:48 18:26	06:22 16:43	16:23 16:23
6	07:12 16:37	06:54 17:12	06:17 17:45	06:26 19:18	05:44 19:49	05:20 20:16	05:25 20:22	05:50 19:59	06:20 19:15	06:50 18:25	06:24 16:41	16:23 16:23
7	07:12 16:38	06:53 17:14	06:15 17:46	06:25 19:19	05:42 19:50	05:19 20:16	05:25 20:22	05:51 19:58	06:21 19:13	06:51 18:23	06:25 16:40	16:23 16:23
8	07:12 16:39	06:52 17:15	16:50-16:52/2 17:47	06:14 19:20	06:23 19:51	05:41 20:17	05:19 20:22	05:52 19:57	06:22 19:11	06:52 18:22	06:26 16:39	16:23 16:23
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10	07:12 16:41	06:50 17:17	16:45-16:54/9 17:50	06:10 19:22	06:20 19:53	05:39 20:18	05:19 20:21	05:54 19:54	06:24 19:08	06:54 18:18	06:28 16:37	16:23 16:23
11	07:12 16:42	06:49 17:19	16:44-16:56/12 17:51	06:09 19:23	06:19 19:54	05:38 20:19	05:19 20:21	05:55 19:53	06:25 19:06	06:55 18:17	06:29 16:36	16:23 16:23
12	07:12 16:43	06:48 17:20	16:43-16:57/14 17:52	06:07 19:24	06:17 19:55	05:37 20:19	05:19 20:20	05:56 19:52	06:26 19:05	06:56 18:15	06:31 16:35	16:23 16:23
13	07:11 16:44	06:46 17:21	16:43-16:59/16 17:53	06:06 19:25	06:15 19:56	05:36 20:20	05:18 20:20	05:57 19:50	06:27 19:03	06:57 18:14	06:32 16:34	16:23 16:23
14	07:11 16:45	06:45 17:22	16:42-16:59/17 17:54	06:04 19:26	06:14 19:57	05:35 20:20	05:18 20:19	05:58 19:49	06:28 19:01	06:58 18:12	06:33 16:34	16:23 16:23
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19	07:09 16:51	06:39 17:28	16:43-17:05/22 17:59	05:56 19:31	06:06 20:01	05:30 20:22	05:19 20:16	06:03 19:42	06:33 18:53	07:03 18:05	17:17-17:31/14 16:30	16:23 16:23
20	07:08 16:52	06:37 17:29	16:43-17:04/21 18:00	05:54 19:32	06:05 20:02	05:29 20:22	05:19 20:15	06:04 19:41	06:34 18:51	07:04 18:03	17:16-17:33/17 16:29	16:23 16:23
21	07:08 16:53	06:36 17:30	16:44-17:03/19 18:01	05:53 19:33	06:03 20:03	05:29 20:22	05:19 20:15	06:05 19:39	06:35 18:50	07:05 18:02	17:14-17:34/20 16:41	16:23 16:23
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24	07:06 16:57	06:32 17:34	16:50-16:57/7 18:04	05:48 19:36	05:59 20:06	05:26 20:23	05:20 20:12	06:08 19:35	06:38 18:45	07:09 17:58	17:12-17:34/22 16:27	16:23 16:23
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27	07:04 17:00	06:27 17:37	18:07 19:39	05:43 19:39	05:55 20:08	05:24 20:23	05:21 20:10	06:11 19:30	06:41 18:40	06:12 16:54	16:12-16:30/18 16:25	16:23 16:23
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29	07:02 17:03	06:25 17:39	18:08 19:41	05:40 19:42	05:53 20:10	05:23 20:23	05:21 20:08	06:13 19:27	06:42 18:36	06:14 16:51	16:12-16:27/15 16:24	16:23 16:23
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31	07:00 17:05	06:23 17:41	18:06 19:44	05:36 19:44	05:50 20:12	05:22 20:23	05:21 20:06	06:14 19:24	06:42 18:35	06:17 16:48	16:14-16:25/11 16:24	16:23 16:23
Ore potenziali eliofanìa	299	298	370	398	447	450	457	427	375	346	300	290
Somma minuti d'ombra	0	260	0	0	0	0	0	0	0	245	16	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Flickering Salice su Recettori **WTG:** SV11 - Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (11)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:12 16:33	07:00 17:06	06:24 17:40	06:35 19:13	05:50 19:44	05:22 20:12	05:22 20:23	05:46 20:05	06:16 19:23	06:45 18:33	06:18 16:47	06:52 16:24
2	07:12 16:34	06:59 17:08	06:23 17:41	06:33 19:14	05:49 19:45	05:21 20:13	05:23 20:23	05:47 20:04	06:17 19:21	06:46 18:31	06:19 16:46	06:53 16:23
3	07:13 16:35	06:58 17:09	06:21 17:42	06:31 19:15	05:47 19:46	05:21 20:14	05:23 20:23	05:48 20:03	06:17 19:20	06:47 18:30	06:20 16:45	06:54 16:23
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5	07:13 16:36	06:56 17:11	06:18 17:44	06:28 19:17	05:45 19:48	05:20 20:15	05:24 20:23	05:49 20:01	06:19 19:16	06:49 18:27	06:23 16:43	06:56 16:23
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20	07:08 16:52	06:37 17:29	05:54 18:00	06:05 19:32	05:29 20:02	05:19 20:22	05:35 20:16	06:04 19:41	06:34 18:51	07:04 18:03	06:40 16:29	07:08 16:25
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22	07:07 16:54	06:35 17:32	05:51 18:02	06:02 19:34	05:28 20:04	05:19 20:23	05:37 20:14	06:06 19:38	06:36 18:48	07:07 18:01	06:42 16:28	07:09 16:26
23	07:07 16:56	06:33 17:33	05:49 18:03	06:01 19:35	05:27 20:05	05:19 20:23	05:38 20:13	06:07 19:37	06:37 18:46	07:08 17:59	06:43 16:27	07:09 16:27
24	07:06 16:57	06:32 17:34	05:48 18:05	05:59 19:37	05:26 20:06	05:20 20:23	05:38 20:12	06:08 19:35	06:38 18:45	07:09 17:58	06:44 16:27	07:10 16:27
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29	07:02 17:03		06:40 19:10	05:52 19:42	05:23 20:10	05:21 20:23	05:43 20:08	06:13 19:27	06:43 18:36	06:14 16:51	06:50 16:24	07:12 16:30
30	07:01 17:04		06:38 19:11	05:51 19:43	05:23 20:11	05:22 20:23	05:44 20:07	06:14 19:26	06:44 18:35	06:16 16:50	06:51 16:24	07:12 16:31
31	07:00 17:05		06:36 19:12		05:22 20:12		05:45 20:06	06:15 19:24		06:17 16:49		07:12 16:32
Ore potenziali eliofanìa	299	298	370	398	447	450	457	427	375	346	299	290
Somma minuti d'ombra	0	0	0	0	0	0	0	0	0	0	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Flickering Salice su Recettori WTG: SV12 - Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (12)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:12 08:31-08:38/7	06:59	06:24 06:43-07:04/21	06:35	05:50	05:22	05:22	05:46	06:15	06:45	06:18	06:52
	16:33	17:06	17:40	19:13	19:44	20:12	20:23	20:05	19:23	18:33	16:47	16:24
2	07:12	06:59	06:23 06:45-07:03/18	06:33	05:48	05:21	05:23	05:46	06:16	06:46	06:19	06:53
	16:34	17:08	17:41	19:14	19:45	20:13	20:23	20:04	19:21	18:31	16:46	16:23
3	07:12	06:58	06:21 06:45-07:00/15	06:31	05:47	05:21	05:23	05:47	06:17	06:47	06:20	06:54
	16:34	17:09	17:42	19:15	19:46	20:14	20:23	20:03	19:19	18:30	16:45	16:23
4	07:13	06:57	06:20 06:48-06:58/10	06:30	05:46	05:20	05:24	05:48	06:18	06:48	06:21	06:55
	16:35	17:10	17:43	19:16	19:47	20:15	20:23	20:02	19:18	18:28	16:44	16:23
5	07:13	06:56	06:18	06:28	05:45	05:20	05:24	05:49	06:19	06:49	06:22	06:56
	16:36	17:11	17:44	19:17	19:48	20:15	20:23	20:00	19:16	18:26	16:43	16:23
6	07:13	06:54	06:17	06:26	05:44	05:20	05:25	05:50	06:20	06:50	06:24	06:57
	16:37	17:12	17:45	19:18	19:49	20:16	20:22	19:59	19:15	18:25	16:41	16:23
7	07:12	06:53	06:15	06:25	05:42	05:19	05:25	05:51	06:21	06:51	06:25	06:58
	16:38	17:14	17:46	19:19	19:50	20:16	20:22	19:58	19:13	18:23	16:40	16:23
8	07:12	06:52	06:14	06:23	05:41	05:19	05:26	05:52	06:22	06:52	06:26	06:59
	16:39	17:15	17:47	19:20	19:51	20:17	20:22	19:57	19:11	18:22	16:39	16:23
9	07:12	06:51	06:12	06:22	05:40	05:19	05:27	05:53	06:23	06:53 07:24-07:31/7	06:27	07:00
	16:40	17:16	17:48	19:21	19:52	20:18	20:21	19:56	19:10	18:20	16:38	16:23
10	07:12	06:50	06:10	06:20	05:39	05:19	05:27	05:54	06:24	06:54 07:21-07:34/13	06:28	07:00
	16:41	17:17	17:50	19:22	19:53	20:18	20:21	19:54	19:08	18:18	16:37	16:23
11	07:12	06:49	06:09	06:19	05:38	05:19	05:28	05:55	06:25	06:55 07:19-07:36/17	06:29	07:01 08:22-08:29/7
	16:42	17:19	17:51	19:23	19:54	20:19	20:21	19:53	19:06	18:17	16:36	16:23
12	07:12	06:48	06:07	06:17	05:37	05:18	05:29	05:56	06:26	06:56 07:18-07:37/19	06:31	07:02 08:20-08:30/10
	16:43	17:20	17:52	19:24	19:55	20:19	20:20	19:52	19:05	18:15	16:35	16:23
13	07:11	06:46	06:06	06:15	05:36	05:18	05:29	05:57	06:27	06:57 07:17-07:38/21	06:32	07:03 08:20-08:32/12
	16:44	17:21	17:53	19:25	19:56	20:20	20:20	19:51	19:03	18:14	16:34	16:23
14	07:11	06:45	06:04	06:14	05:35	05:18	05:30	05:58	06:28	06:58 07:18-07:38/20	06:33	07:04 08:19-08:34/15
	16:45	17:22	17:54	19:26	19:57	20:20	20:19	19:49	19:01	18:12	16:34	16:23
15	07:11	06:44	06:02	06:12	05:34	05:18	05:31	05:59	06:29	06:59 07:19-07:38/19	06:34	07:04 08:19-08:35/16
	16:46	17:23	17:55	19:27	19:58	20:21	20:19	19:48	19:00	18:11	16:33	16:23
16	07:10	06:43	06:01	06:11	05:33	05:18	05:32	06:00	06:30	07:20-07:38/18	06:35	07:05 08:19-08:35/16
	16:47	17:25	17:56	19:28	19:59	20:21	20:18	19:46	18:58	18:09	16:32	16:24
17	07:10	06:41	05:59	06:09	05:32	05:18	05:32	06:01	06:31	07:01 07:21-07:38/17	06:36	07:06 08:19-08:37/18
	16:49	17:26	17:57	19:29	20:00	20:21	20:17	19:45	18:56	18:08	16:31	16:24
18	07:09	06:40 06:59-07:00/1	05:58	06:08	05:31	05:18	05:33	06:02	06:32	07:02 07:23-07:39/16	06:38	07:06 08:20-08:38/18
	16:50	17:27	17:58	19:30	20:01	20:22	20:17	19:44	18:55	18:06	16:30	16:24
19	07:09	06:39 06:58-07:03/5	05:56	06:06	05:30	05:19	05:34	06:03	06:33	07:03 07:24-07:38/14	06:39	07:07 08:19-08:38/19
	16:51	17:28	17:59	19:31	20:01	20:22	20:16	19:42	18:53	18:05	16:30	16:25
20	07:08	06:37 06:56-07:04/8	05:54	06:05	05:29	05:19	05:35	06:04	06:34	07:04 07:25-07:37/12	06:40	07:08 08:20-08:39/19
	16:52	17:29	18:00	19:32	20:02	20:22	20:15	19:41	18:51	18:03	16:29	16:25
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	16:53	17:30	18:01	19:33	20:03	20:23	20:15	19:39	18:50	18:02	16:28	16:25
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	16:54	17:32	18:02	19:34	20:04	20:23	20:14	19:38	18:48	18:00	16:28	16:26
23	07:07	06:33 06:52-07:07/15	05:49	06:01	05:27	05:19	05:37	06:07	06:37	07:08 07:28-07:32/4	06:43	07:09 08:21-08:40/19
	16:55	17:33	18:03	19:35	20:05	20:23	20:13	19:36	18:46	17:59	16:27	16:26
24	07:06	06:32 06:51-07:07/16	05:48	05:59	05:26	05:20	05:38	06:08	06:38	07:09	06:44	07:10 08:22-08:41/19
	16:57	17:34	18:04	19:36	20:06	20:23	20:12	19:35	18:45	17:58	16:26	16:27
25	07:05	06:30 06:49-07:07/18	05:46	05:58	05:26	05:20	05:39	06:09	06:39	06:10	06:45	07:10 08:22-08:41/19
	16:58	17:35	18:05	19:37	20:07	20:23	20:12	19:33	18:43	16:56	16:26	16:28
26	07:04	06:29 06:48-07:07/19	05:44	05:56	05:25	05:20	05:40	06:10	06:40	06:11	06:47	07:11 08:23-08:41/18
	16:59	17:36	18:06	19:38	20:08	20:23	20:11	19:32	18:41	16:55	16:25	16:28
27	07:04	06:27 06:46-07:06/20	05:43	05:55	05:24	05:21	05:41	06:11	06:41	06:12	06:48	07:11 08:24-08:41/17
	17:00	17:37	18:08	19:40	20:08	20:23	20:10	19:30	18:40	16:54	16:25	16:29
28	07:03	06:26 06:45-07:06/21	05:41	05:54	05:24	05:21	05:42	06:12	06:42	06:13	06:49	07:11 08:25-08:41/16
	17:01	17:38	18:09	19:41	20:09	20:23	20:09	19:29	18:38	16:52	16:25	16:29
29	07:02		06:39	05:52	05:23	05:21	05:43	06:13	06:43	06:14	06:50	07:11 08:26-08:41/15
	17:03		19:10	19:42	20:10	20:23	20:08	19:27	18:36	16:51	16:24	16:30
30	07:01		06:38	05:51	05:23	05:22	05:44	06:14	06:44	06:15	06:51	07:12 08:27-08:40/13
	17:04		19:11	19:43	20:11	20:23	20:07	19:26	18:35	16:50	16:24	16:31
31	07:00		06:36		05:22		05:45	06:14		06:17		07:12 08:28-08:39/11
	17:05		19:12		20:12		20:06	19:24		16:48		16:32
Ore potenziali eliofanía	299	298	370	398	447	450	457	427	375	346	299	290
Somma minuti d'ombra	7	147	64	0	0	0	0	0	0	214	0	335

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
 Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Flickering Salice su Recettori **WTG:** SV13 - Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (13)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	07:12 16:33	06:59 17:06	06:24 17:40	06:35 18:27-18:52/25 19:13	05:50 19:44	05:22 20:12	05:22 20:23	05:46 20:05	06:15 18:32-18:42/10 19:23	06:44 18:33	06:18 16:47	06:52 16:24
2	07:12 16:34	06:58 17:08	06:23 17:41	06:33 18:26-18:52/26 19:14	05:48 19:45	05:21 20:13	05:23 20:23	05:46 20:04	06:16 18:29-18:44/15 19:21	06:45 18:31	06:19 16:46	06:53 16:23
3	07:12 16:34	06:57 17:09	06:21 17:42	06:31 18:26-18:53/27 19:15	05:47 19:46	05:21 20:14	05:23 20:23	05:47 20:03	06:17 18:27-18:46/19 19:19	06:46 18:30	06:20 16:45	06:54 16:23
4	07:12 16:35	06:56 17:10	06:20 17:43	06:30 18:26-18:54/28 19:16	05:46 19:47	05:20 20:14	05:24 20:23	05:48 20:01	06:18 18:25-18:47/22 19:18	06:47 18:28	06:21 16:44	06:55 16:23
5	07:12 16:36	06:55 17:11	06:18 17:44	06:28 18:26-18:53/27 19:17	05:45 19:48	05:20 20:15	05:24 20:22	05:49 20:00	06:19 18:24-18:48/24 19:16	06:48 18:26	06:22 16:43	06:56 16:23
6	07:12 16:37	06:54 17:12	06:17 17:45	06:26 18:27-18:52/25 19:18	05:44 19:49	05:20 20:16	05:25 20:22	05:50 19:59	06:20 18:22-18:47/25 19:14	06:49 18:25	06:23 16:41	06:57 16:23
7	07:12 16:38	06:53 17:14	06:15 17:46	06:25 18:27-18:51/24 19:19	05:42 19:50	05:19 20:16	05:25 20:22	05:51 19:58	06:21 18:21-18:48/27 19:13	06:50 18:23	06:25 16:40	06:58 16:23
8	07:12 16:39	06:52 17:15	06:14 17:47	06:23 18:27-18:49/22 19:20	05:41 19:51	05:19 20:17	05:26 20:22	05:52 19:57	06:22 18:20-18:48/28 19:11	06:52 18:22	06:26 16:39	06:59 16:23
9	07:12 16:40	06:51 17:16	06:12 17:48	06:22 18:29-18:48/19 19:21	05:40 19:52	05:19 20:18	05:27 20:21	05:53 19:56	06:23 18:20-18:47/27 19:10	06:53 18:20	06:27 16:38	06:59 16:23
10	07:12 16:41	06:50 17:17	06:10 17:50	06:20 18:30-18:45/15 19:22	05:39 19:53	05:19 20:18	05:27 20:21	05:54 19:54	06:24 18:19-18:46/27 19:08	06:54 18:18	06:28 16:37	07:00 16:23
11	07:12 16:42	06:49 17:19	06:09 17:51	06:19 18:33-18:43/10 19:23	05:38 19:54	05:19 20:19	05:28 20:20	05:55 19:53	06:25 18:19-18:44/25 19:06	06:55 18:17	06:29 16:36	07:01 16:23
12	07:11 16:43	06:48 17:20	06:07 17:52	06:17 19:24	05:37 19:55	05:19 20:19	05:29 20:20	05:56 19:52	06:26 18:19-18:43/24 19:05	06:56 18:15	06:30 16:35	07:02 16:23
13	07:11 16:44	06:46 17:21	06:06 17:53	06:15 19:25	05:36 19:56	05:18 20:20	05:29 20:20	05:57 19:50	06:27 18:19-18:41/22 19:03	06:57 18:14	06:32 16:34	07:03 16:23
14	07:11 16:45	06:45 17:22	06:04 17:54	06:14 19:26	05:35 19:57	05:18 20:20	05:30 20:19	05:58 19:49	06:28 18:20-18:39/19 19:01	06:58 18:12	06:33 16:34	07:03 16:23
15	07:11 16:46	06:44 17:23	06:02 17:55	06:12 19:27	05:34 19:58	05:18 20:20	05:31 20:19	05:59 19:48	06:29 18:20-18:38/18 19:00	06:59 18:11	06:34 16:33	07:04 16:23
16	07:10 16:47	06:43 17:25	06:01 17:56	06:11 19:28	05:33 19:58	05:18 20:21	05:32 20:18	06:00 19:46	06:30 18:21-18:36/15 18:58	07:00 18:09	06:35 16:32	07:05 16:24
17	07:10 16:49	06:41 17:26	05:59 17:57	06:09 19:29	05:32 19:59	05:18 20:21	05:32 20:17	06:01 19:45	06:31 18:23-18:34/11 18:56	07:01 18:08	06:36 16:31	07:06 16:24
18	07:09 16:50	06:40 17:27	05:57 17:58	06:08 19:30	05:31 20:00	05:19 20:22	05:33 20:17	06:02 19:44	06:32 18:25-18:33/8 18:55	07:02 18:06	06:37 16:30	07:06 16:24
19	07:09 16:51	06:39 17:28	05:56 17:59	06:06 19:31	05:30 20:01	05:19 20:22	05:34 20:16	06:03 19:42	06:33 18:53 18:53	07:03 18:05	06:39 16:30	07:07 16:25
20	07:08 16:52	06:37 17:29	05:54 18:00	06:05 19:32	05:29 20:02	05:19 20:22	05:35 20:15	06:04 19:41	06:34 18:51 18:51	07:04 18:03	06:40 16:29	07:07 16:25
21	07:08 16:53	06:36 17:30	05:53 18:01	06:03 19:33	05:29 20:03	05:19 20:22	05:36 20:15	06:05 19:39	06:35 18:50 18:50	07:05 18:02	06:41 16:28	07:08 16:25
22	07:07 16:54	06:34 17:32	05:51 18:02	06:02 19:34	05:28 20:04	05:19 20:23	05:37 20:14	06:06 19:38	06:36 18:48 18:48	07:06 18:00	06:42 16:28	07:09 16:26
23	07:06 16:56	06:33 17:33	05:49 18:03	06:01 19:35	05:27 20:05	05:19 20:23	05:37 20:13	06:07 19:36	06:37 18:46 18:46	07:07 17:59	06:43 16:27	07:09 16:26
24	07:06 16:57	06:32 17:34	05:48 18:04	06:01 19:36	05:26 20:06	05:20 20:23	05:38 20:12	06:08 19:35	06:38 18:45 18:45	07:09 17:58	06:44 16:27	07:10 16:27
25	07:05 16:58	06:30 17:35	05:46 18:05	05:58 19:37	05:26 20:07	05:20 20:23	05:39 20:11	06:09 19:33	06:39 18:43 18:43	06:10 16:56	06:45 16:26	07:10 16:28
26	07:04 16:59	06:29 17:36	05:44 18:06	05:56 19:38	05:25 20:07	05:20 20:23	05:40 20:11	06:10 19:32	06:39 18:41 18:41	06:11 16:55	06:46 16:26	07:10 16:28
27	07:04 17:00	06:27 17:37	05:43 18:07	05:55 19:39	05:24 20:08	05:21 20:23	05:41 20:10	06:11 19:30	06:40 18:40 18:40	06:12 16:54	06:48 16:25	07:11 16:29
28	07:03 17:01	06:26 17:38	05:41 18:08	05:54 19:40	05:24 20:09	05:21 20:23	05:42 20:09	06:12 19:29	06:41 18:38 18:38	06:13 16:52	06:49 16:25	07:11 16:30
29	07:02 17:03	06:39 19:10	18:30-18:49/19 19:41	05:52 19:41	05:23 20:10	05:21 20:23	05:43 20:08	06:13 19:27	06:42 18:36 18:36	06:14 16:51	06:50 16:24	07:11 16:30
30	07:01 17:04	06:38 19:11	18:28-18:50/22 19:42	05:51 19:42	05:23 20:11	05:22 20:23	05:44 20:07	06:13 19:26	06:43 18:35 18:35	06:15 16:50	06:51 16:24	07:12 16:31
31	07:00 17:05	06:36 19:12	18:27-18:50/23 19:42	05:51 19:42	05:22 20:12	05:22 20:23	05:45 20:06	06:14 19:24	18:35	06:17 16:48	07:12 16:32	16:32
Ore potenziali eliofanìa	299	298	370	398	446	450	457	427	375	366	346	300
Somma minuti d'ombra	0	0	114	248	0	0	0	0	0	366	0	0

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Flickering Salice su Recettori **WTG:** SV14 - Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (14)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Gennaio	Febbraio	Marzo	Aprile	Maggio	Giugno
1	07:12 16:33	06:59 16:23-16:41/18 17:06	06:24 16:23-16:42/19 17:40	06:35 19:13	05:50 06:11-06:55/44 19:43	05:22 06:18-06:48/30 20:12
2	07:12 16:34	06:58 16:21-16:43/22 17:08	06:23 16:26-16:38/12 17:41	06:33 19:14	05:48 06:11-06:55/44 19:45	05:21 06:18-06:47/29 20:13
3	07:12 16:34	06:57 16:20-16:45/25 17:09	06:21 17:42	06:31 19:15	05:47 06:09-06:55/46 19:46	05:21 06:19-06:47/28 20:14
4	07:12 16:35	06:56 16:18-16:47/29 17:10	06:20 17:43	06:30 19:16	05:46 06:09-06:55/46 19:47	05:20 06:20-06:46/26 20:14
5	07:12 16:36	06:55 16:17-16:48/31 17:11	06:18 17:44	06:28 19:17	05:45 06:09-06:56/47 19:48	05:20 06:20-06:45/25 20:15
6	07:12 16:37	06:54 16:16-16:49/33 17:12	06:17 17:45	06:26 19:18	05:44 06:08-06:56/48 19:49	05:20 06:22-06:45/23 20:16
7	07:12 16:38	06:53 16:15-16:51/36 17:14	06:15 17:46	06:25 19:19	05:42 06:08-06:56/48 19:50	05:19 06:23-06:44/21 20:16
8	07:12 16:39	06:52 16:15-16:52/37 17:15	06:14 17:47	06:23 19:20	05:41 06:08-06:56/48 19:51	05:19 06:24-06:44/20 20:17
9	07:12 16:40	06:51 16:13-16:52/39 17:16	06:12 17:48	06:22 19:21	05:40 06:08-06:56/48 19:52	05:19 06:25-06:44/19 20:17
10	07:12 16:41	06:50 16:13-16:53/40 17:17	06:10 17:49	06:20 19:22	05:39 06:08-06:56/48 19:53	05:19 06:25-06:42/17 20:18
11	07:12 16:42	06:49 16:13-16:54/41 17:19	06:09 17:51	06:19 19:23	05:38 06:08-06:56/48 19:54	05:19 06:26-06:41/15 20:19
12	07:11 16:43	06:48 16:13-16:54/41 17:20	06:07 17:52	06:17 19:24	05:37 06:08-06:56/48 19:55	05:19 06:28-06:41/13 20:19
13	07:11 16:44	06:46 16:13-16:55/42 17:21	06:06 17:53	06:15 19:25	05:36 06:08-06:56/48 19:56	05:18 06:29-06:40/11 20:20
14	07:11 16:45	06:45 16:12-16:54/42 17:22	06:04 17:54	06:14 19:26	05:35 06:08-06:56/48 19:57	05:18 06:30-06:39/9 20:20
15	07:11 16:46	06:44 16:12-16:55/43 17:23	06:02 17:55	06:12 19:27	05:34 06:08-06:55/47 19:57	05:18 06:31-06:38/7 20:20
16	07:10 16:47	06:43 16:12-16:55/43 17:25	06:01 17:56	06:11 19:28	05:33 06:08-06:55/47 19:58	05:18 06:33-06:37/4 20:21
17	07:10 16:49	06:41 16:11-16:55/44 17:26	05:59 17:57	06:09 19:29	05:32 06:08-06:55/47 19:59	05:18 20:21
18	07:09 16:50	06:40 16:12-16:55/43 17:27	05:57 17:58	06:08 19:30	05:31 06:09-06:54/45 20:00	05:18 20:21
19	07:09 16:51	06:39 16:13-16:55/42 17:28	05:56 17:59	06:06 19:31	05:30 06:09-06:54/45 20:01	05:19 20:22
20	07:08 16:52	06:37 16:12-16:54/42 17:29	05:54 18:00	06:05 19:32	05:29 06:10-06:54/44 20:02	05:19 20:22
21	07:08 16:53	06:36 16:13-16:54/41 17:30	05:53 18:01	06:03 06:31-06:38/7 19:33	05:29 06:10-06:53/43 20:03	05:19 20:22
22	07:07 16:54	06:34 16:13-16:52/39 17:32	05:51 18:02	06:02 06:26-06:44/18 19:34	05:28 06:10-06:53/43 20:04	05:19 20:23
23	07:06 16:55	06:33 16:14-16:52/38 17:33	05:49 18:03	06:01 06:22-06:46/24 19:35	05:27 06:11-06:53/42 20:05	05:19 20:23
24	07:06 16:57	06:32 16:14-16:51/37 17:34	05:48 18:04	05:59 06:20-06:48/28 19:36	05:26 06:12-06:52/40 20:06	05:20 20:23
25	07:05 16:58	06:30 16:16-16:50/34 17:35	05:46 18:05	05:58 06:18-06:49/31 19:37	05:26 06:12-06:51/39 20:07	05:20 20:23
26	07:04 16:59	06:29 16:18-16:49/31 17:36	05:44 18:06	05:56 06:16-06:51/35 19:38	05:25 06:13-06:51/38 20:07	05:20 06:36-06:38/2 20:23
27	07:04 17:00	06:27 16:19-16:47/28 17:37	05:43 18:07	05:55 06:15-06:52/37 19:39	05:24 06:13-06:50/37 20:08	05:21 06:35-06:41/6 20:23
28	07:03 17:01	06:26 16:21-16:45/24 17:38	05:41 18:08	05:54 06:14-06:53/39 19:40	05:24 06:15-06:50/35 20:09	05:21 06:34-06:42/8 20:23
29	07:02 17:03		06:39 19:09	05:52 06:13-06:53/40 19:41	05:23 06:15-06:49/34 20:10	05:21 06:33-06:44/11 20:23
30	07:01 17:04		06:38 19:11	05:51 06:12-06:54/42 19:42	05:23 06:16-06:49/33 20:11	05:22 06:32-06:44/12 20:23
31	07:00 17:05	16:27-16:37/10	06:36 19:12		05:22 06:16-06:48/32	
Ore potenziali eliofanìa	299	298	370	398	446	450
Somma minuti d'ombra	10	1005	31	301	1350	336

Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

SHADOW - Calendario per WTG

Calcolo: Flickering Salice su Recettori **WTG:** SV14 - Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (TOT: 220,0 m) (14)

Assunzioni sui calcoli d'ombra

I tempi calcolati sono relativi al "caso peggiore", sulla base delle seguenti assunzioni:

Il sole splende tutto il dì, dall'alba al tramonto

Il piano del rotore è sempre perpendicolare alla linea tra WTG e sole

La turbina è costantemente operativa

	Luglio	Agosto	Settembre	Ottobre	Novembre	Dicembre
1	05:22 06:32-06:46/14 20:23	05:46 06:18-07:06/48 20:05	06:15 06:44 19:22	06:44 18:33	06:18 15:43-16:23/40 16:47	06:52 16:24
2	05:23 06:31-06:47/16 20:23	05:46 06:18-07:06/48 20:04	06:16 06:45 19:21	06:45 18:31	06:19 15:43-16:22/39 16:46	06:53 16:23
3	05:23 06:31-06:48/17 20:23	05:47 06:18-07:06/48 20:03	06:17 06:46 19:19	06:46 18:30	06:20 15:44-16:21/37 16:45	06:54 16:23
4	05:24 06:29-06:49/20 20:23	05:48 06:18-07:06/48 20:01	06:18 06:47 19:18	06:47 18:28	06:21 15:45-16:21/36 16:44	06:55 16:23
5	05:24 06:29-06:50/21 20:22	05:49 06:18-07:06/48 20:00	06:19 06:48 19:16	06:48 18:26	06:22 15:46-16:19/33 16:43	06:56 16:23
6	05:25 06:28-06:51/23 20:22	05:50 06:18-07:06/48 19:59	06:20 06:49 19:14	06:49 18:25	06:23 15:47-16:18/31 16:41	06:57 16:23
7	05:25 06:28-06:52/24 20:22	05:51 06:18-07:06/48 19:58	06:21 06:50 19:13	06:50 18:23	06:25 15:48-16:16/28 16:40	06:58 16:23
8	05:26 06:27-06:52/25 20:22	05:52 06:18-07:05/47 19:57	06:22 06:51 19:11	06:51 18:22	06:26 15:51-16:16/25 16:39	06:58 16:23
9	05:27 06:27-06:54/27 20:21	05:53 06:19-07:05/46 19:55	06:23 06:53 19:10	06:53 18:20	06:27 15:52-16:14/22 16:38	06:59 16:23
10	05:27 06:26-06:55/29 20:21	05:54 06:19-07:05/46 19:54	06:24 06:54 19:08	06:54 18:18	06:28 15:54-16:11/17 16:37	07:00 16:23
11	05:28 06:25-06:55/30 20:20	05:55 06:20-07:04/44 19:53	06:25 06:55 17:05-17:08/3 19:06	06:55 18:17	06:29 15:58-16:08/10 16:36	07:01 16:23
12	05:29 06:25-06:56/31 20:20	05:56 06:19-07:02/43 19:52	06:26 06:56 16:58-17:14/16 19:05	06:56 18:15	06:30 16:35	07:02 16:23
13	05:29 06:25-06:57/32 20:20	05:57 06:20-07:02/42 19:50	06:27 06:57 16:55-17:17/22 19:03	06:57 18:14	06:32 16:34	07:03 16:23
14	05:30 06:23-06:57/34 20:19	05:58 06:20-07:01/41 19:49	06:28 06:58 16:52-17:18/26 19:01	06:58 18:12	06:33 16:34	07:03 16:23
15	05:31 06:23-06:58/35 20:18	05:59 06:21-07:00/39 19:48	06:29 06:59 16:50-17:20/30 19:00	06:59 18:11	06:34 16:33	07:04 16:23
16	05:32 06:23-06:59/36 20:18	06:00 06:22-06:58/36 19:46	06:30 07:00 16:49-17:21/32 18:58	07:00 18:09	06:35 16:32	07:05 16:24
17	05:32 06:23-07:00/37 20:17	06:01 06:23-06:57/34 19:45	06:31 07:01 16:47-17:22/35 18:56	07:01 18:08	06:36 16:31	07:06 16:24
18	05:33 06:22-07:00/38 20:17	06:02 06:25-06:55/30 19:44	06:32 07:02 16:46-17:22/36 18:55	07:02 18:06	06:37 16:30	07:06 16:24
19	05:34 06:21-07:01/40 20:16	06:03 06:26-06:53/27 19:42	06:33 07:03 16:44-17:23/39 18:53	07:03 18:05	06:39 16:30	07:07 16:25
20	05:35 06:21-07:02/41 20:15	06:04 06:28-06:51/23 19:41	06:34 07:04 16:44-17:24/40 18:51	07:04 18:03	06:40 16:29	07:07 16:25
21	05:36 06:21-07:03/42 20:15	06:05 06:31-06:48/17 19:39	06:35 07:05 16:44-17:24/40 18:50	07:05 18:02	06:41 16:28	07:08 16:25
22	05:37 06:21-07:03/42 20:14	06:06 06:37-06:41/4 19:38	06:36 07:06 16:43-17:25/42 18:48	07:06 18:00	06:42 16:28	07:09 16:26
23	05:37 06:20-07:04/44 20:13	06:07 19:36	06:37 07:07 16:42-17:25/43 18:46	07:07 17:59	06:43 16:27	07:09 16:26
24	05:38 06:19-07:04/45 20:12	06:08 19:35	06:37 07:09 16:42-17:24/42 18:45	07:09 17:58	06:44 16:26	07:09 16:27
25	05:39 06:19-07:04/45 20:11	06:09 19:33	06:38 06:10 15:41-16:24/43 18:43	06:10 16:56	06:45 16:26	07:10 16:28
26	05:40 06:19-07:05/46 20:10	06:10 19:32	06:39 06:11 15:42-16:25/43 18:41	06:11 16:55	06:46 16:25	07:10 16:28
27	05:41 06:19-07:05/46 20:10	06:11 19:30	06:40 06:12 15:42-16:25/43 18:40	06:12 16:54	06:47 16:25	07:11 16:29
28	05:42 06:19-07:06/47 20:09	06:12 19:29	06:41 06:13 15:41-16:24/43 18:38	06:13 16:52	06:49 16:25	07:11 16:30
29	05:43 06:19-07:06/47 20:08	06:12 19:27	06:42 06:14 15:41-16:24/43 18:36	06:14 16:51	06:50 16:24	07:11 16:30
30	05:44 06:19-07:06/47 20:07	06:13 19:26	06:43 06:15 15:41-16:23/42 18:35	06:15 16:50	06:51 16:24	07:12 16:31
31	05:45 06:18-07:06/48 20:06	06:14 19:24	06:16 15:43-16:23/40 16:48	06:16 16:48	06:52 16:24	07:12 16:32
Ore potenziali eliofanìa	457	427	375	346	300	290
Somma minuti d'ombra	1069	855	0	743	318	0

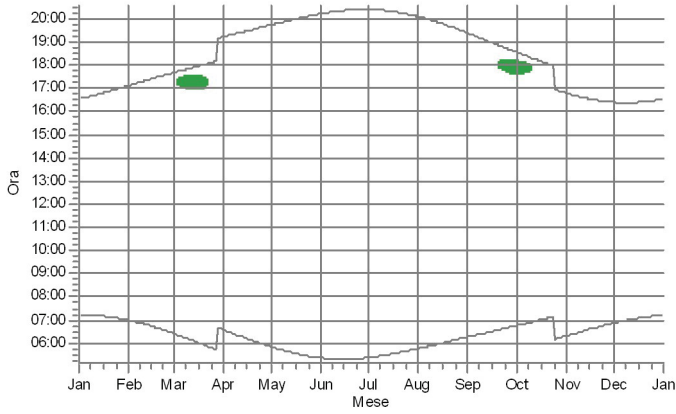
Legenda della tabella:

Giorno del mese Alba (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra
Tramonto (hh:mm) Inizio ombreggiamento (hh:mm)-Fine ombreggiamento (hh:mm)/Minuti d'ombra

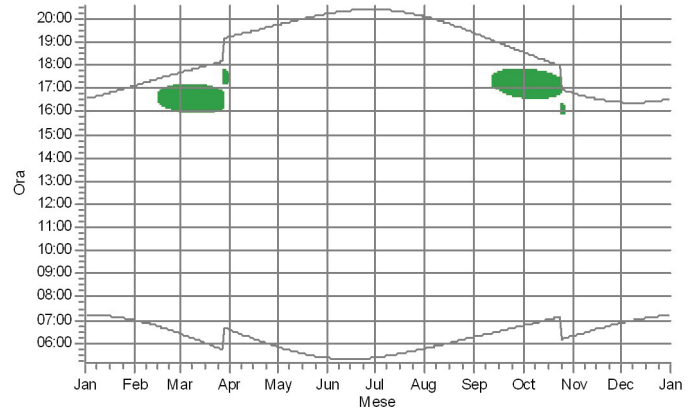
SHADOW - Calendario per WTG, grafico

Calcolo: Flickering Salice su Recettori

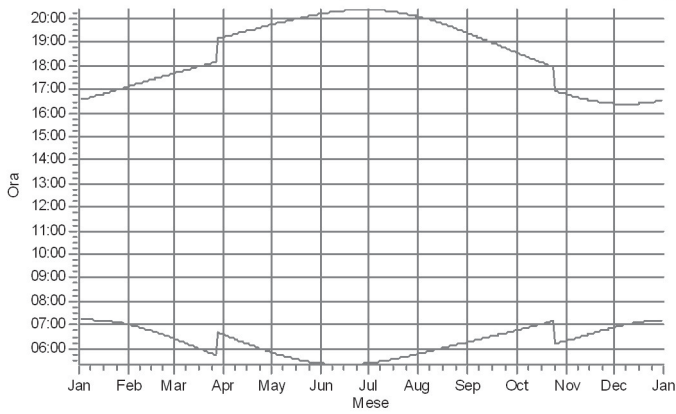
SV01: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!hub: 135,0 m (T



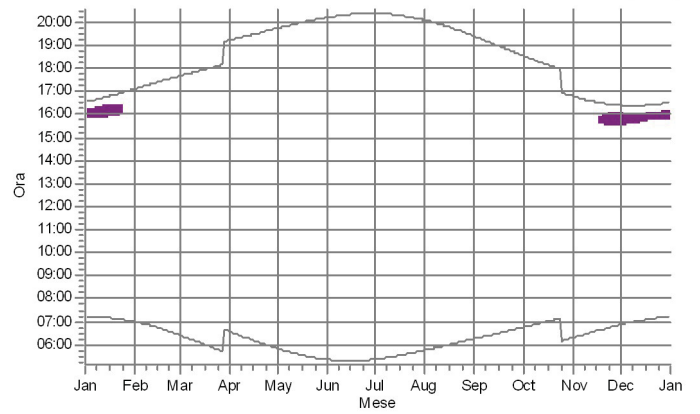
SV02: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!hub: 135,0 m (T



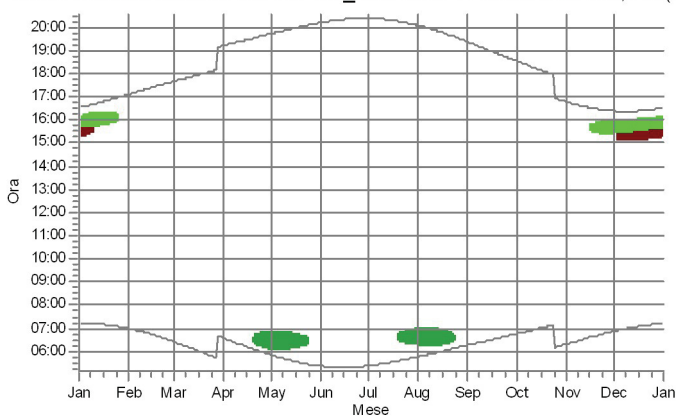
SV03: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!hub: 135,0 m (T



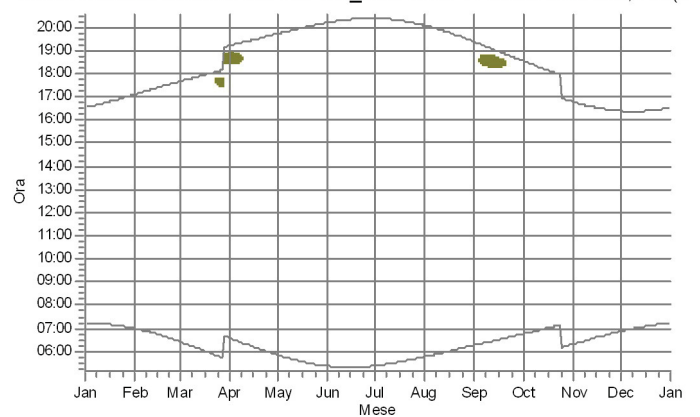
SV04: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!hub: 135,0 m (T



SV05: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!hub: 135,0 m (T



SV06: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!hub: 135,0 m (T



Recettori d'ombra

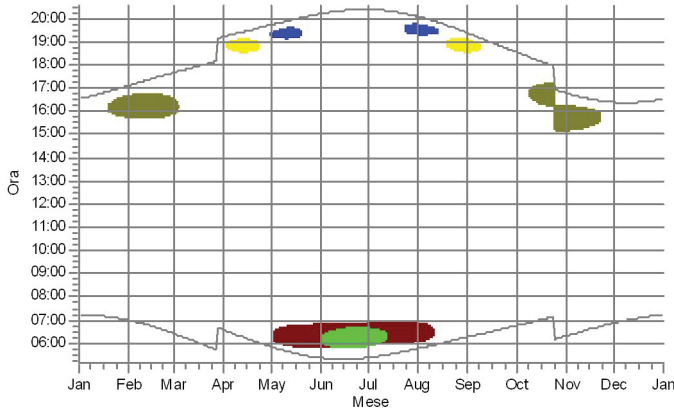
- F12-P475: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (11)
- F12-P500: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (10)
- F13-P167: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (2)

- F14-P276: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (17)
- F9-P475: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (1)

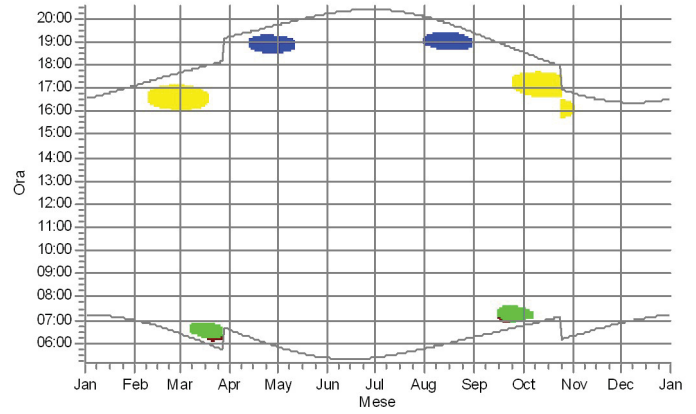
SHADOW - Calendario per WTG, grafico

Calcolo: Flickering Salice su Recettori

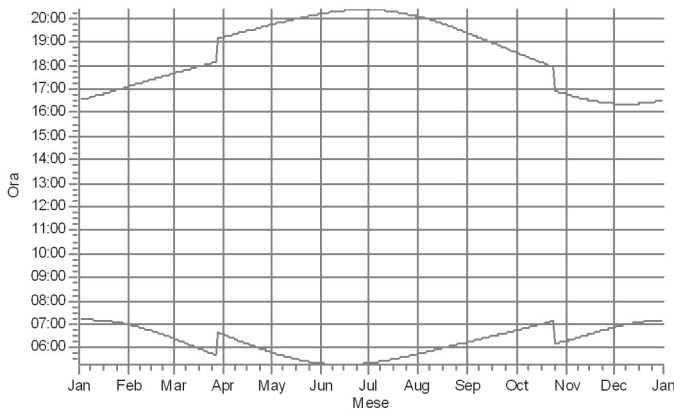
SV07: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!hub: 135,0 m (T



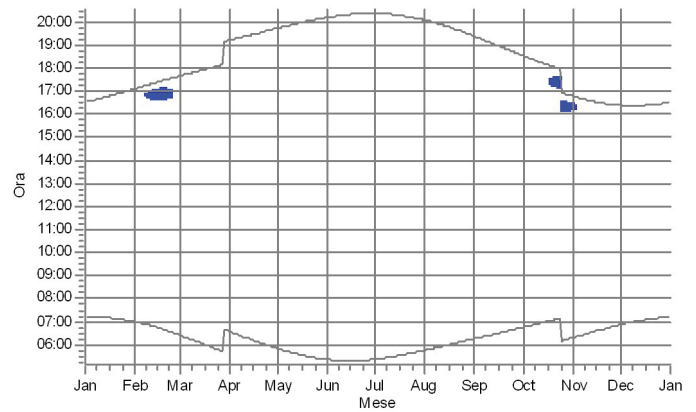
SV08: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!hub: 135,0 m (T



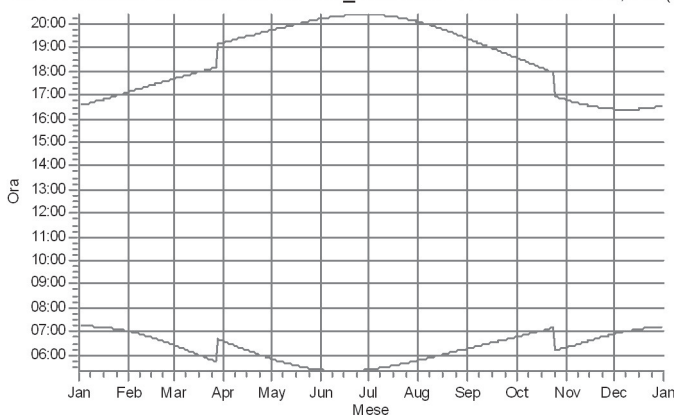
SV09: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!hub: 135,0 m (T



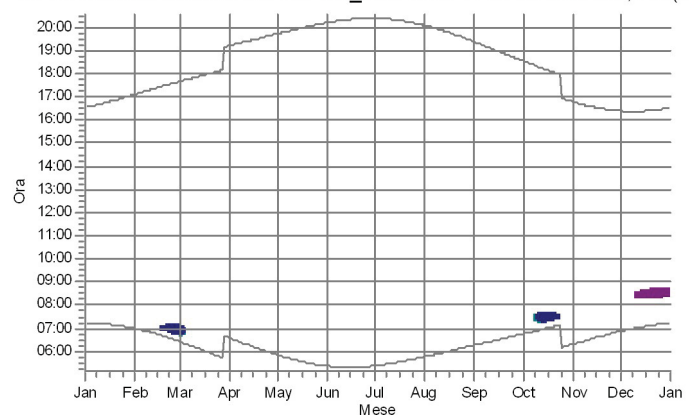
SV10: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!hub: 135,0 m (T



SV11: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!hub: 135,0 m (T



SV12: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O!hub: 135,0 m (T



Recettori d'ombra

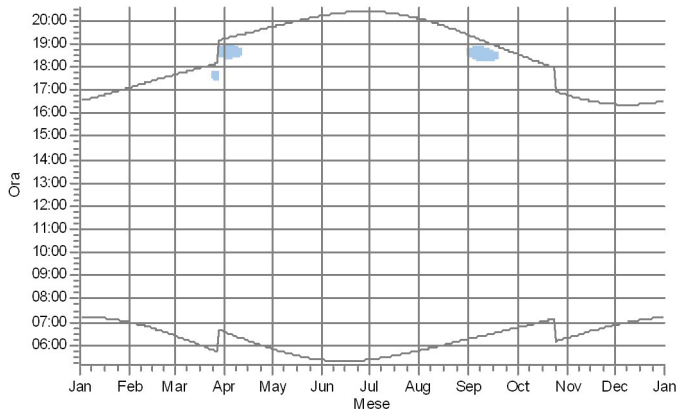
- B2: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (13)
- B3: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (14)
- F12-P164: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (8)
- F12-P167: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 90,0° (9)

- F12-P475: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (11)
- F12-P500: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (10)
- F13-P167: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (2)
- F14-P276: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (17)

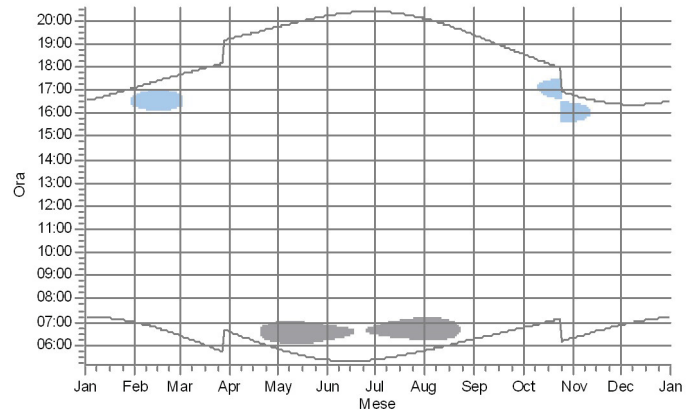
SHADOW - Calendario per WTG, grafico

Calcolo: Flickering Salice su Recettori

SV13: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (T



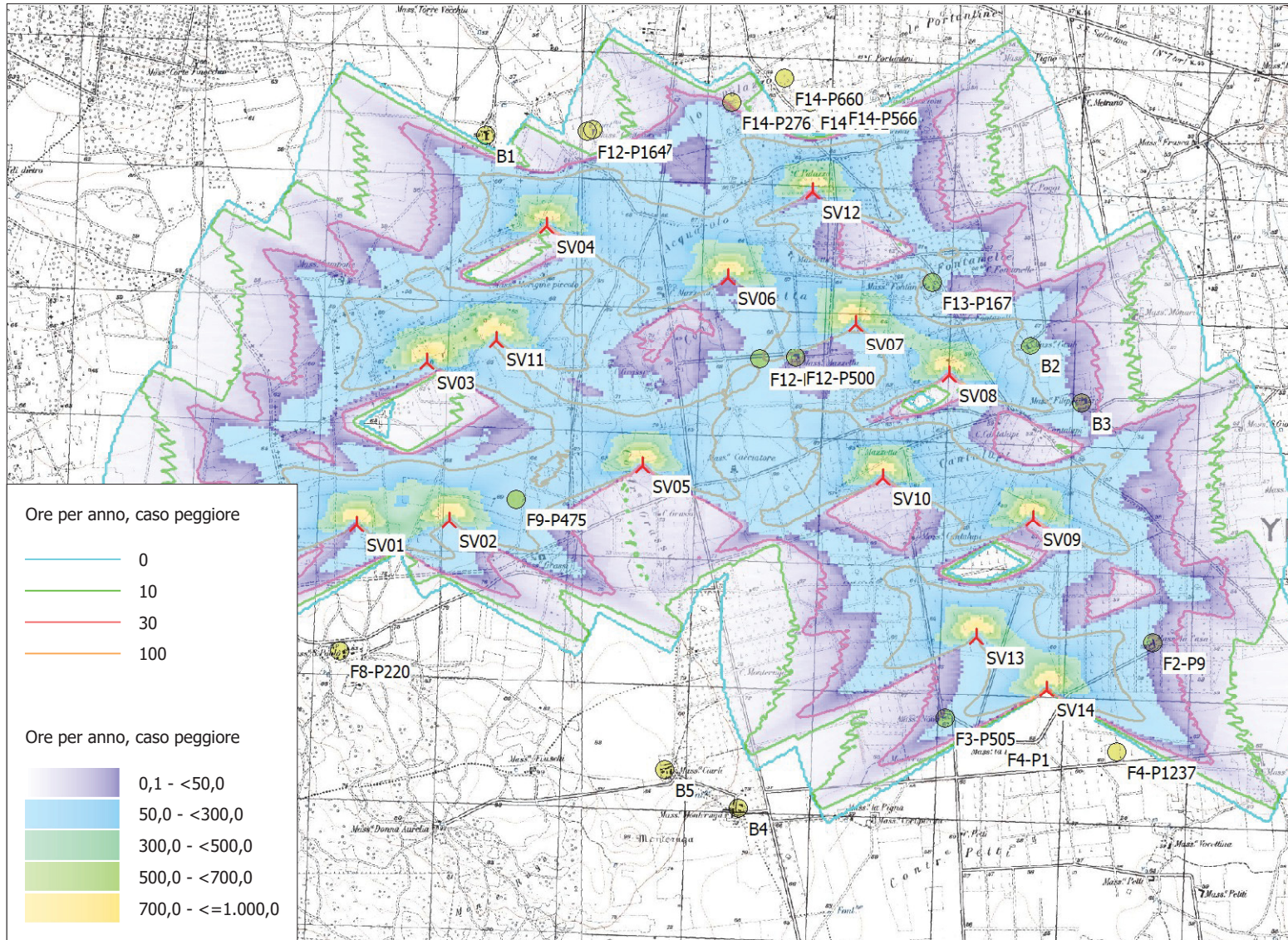
SV14: Siemens Gamesa SG 6.0-170_user 6200 170.0 !O! hub: 135,0 m (T



Recettori d'ombra

F2-P9: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (7)

F3-P505: Shadow Receptor: 2,0 × 2,0 Azimuth: 0,0° Slope: 0,0° (3)



Mappa: IGM maps 1:25000 , Scala di stampa 1:50.000, Centro mappa UTM (north)-WGS84 Zone: 33 Est: 740.480 Nord: 4.473.320

▲ Nuova WTG

● Recettore d'ombra

Fonte altimetria:: Height Contours: CONTOURLINE_ONLINEDATA_0.wpo (1)

SHADOW -
Mappa
Calcolo:
Flickering Salice su Recettori

Utente autorizzato:

Studio Tecnico BFP s.r.l.

Via Napoli 363/I

IT-70123 Bari

+39 080 5046361

Antonio Crisafulli / crisafulli@studiobfp.com

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