AceaElectrabel

AceaElectrabel Produzione SpA

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www.aceaelectrabel.it

Ministero dell'Ambiente e della Tutela del Territorio e del Mare – Direzione Generale Valutazioni Ambientali

E.prot DVA – 2010 – 0008776 del 01/04/2010

I.S.P.R.A.
Via Vitaliano Brancati, 48
00144 Roma
c.a. Ing. Pini Alfredo

Anticipo via posta elettronica

AceaElectrabel Produzione SpA
29 MAR. 2010
Protocollo P.N. 1771

Ministero dell'Ambiente
e della Tutela del Territorio e del Mare
Direzione Salvaguardia Ambientale
Divisione VI - RIS
Via C. Colombo, 44
00147 Roma

A.R.P.A. Lazio
Via Boncompagni, 101
00187 – Roma
c.a. Dr. Rino Felici – Direzione Tecnica

MINISTERO DELL'AMBIENTE E DELLA TUTELA DEL TERRITORIO E DEL MARE
RICEVUTO IL
31 MAR. 2010
DIREZIONE GENERALE PER LE VALUTAZIONI AMBIENTALI

Oggetto: Autorizzazione Integrata Ambientale per l'esercizio della "Centrale Termoelettrica Tor di Valle" – Roma.
DSA-DEC-2009-0000268 del 14.4.09 – G.U. n. 106 del 9.05.2009.
Adempimenti di monitoraggio e controllo.

In riferimento a quanto in oggetto e facendo seguito alla nota telefax di I.S.P.R.A. in data 15-02-2010 prot. 005554, si riscontra quanto segue:

- Per i tempi di avviamento e fermata di tutte le unità produttive, si trasmette la tabella del numero di avviamenti, con il confronto dei dati 2008 e 2009. Inoltre, si invia di nuovo la tabella delle emissioni in un formato di lettura più agevole.
- Per quanto attiene ai dati di funzionamento delle Caldaie ausiliarie B1- B2 – B3, si comunica che nel periodo novembre 2009 marzo 2010, le stesse non sona state utilizzate.
- Si trasmette il report del campionamento effettuato al camino di scarico del GVR della sezione TG1 relativamente al vapor d'acqua e portata fumi nei mesi di gennaio e febbraio 2010 Si fa presente che la sezione TG2 non ha avuto un funzionamento in esercizio.
- nfine si trasmettono gli elaborati relativi ai monitoraggi del livello di pressione acustica, come prescritto dal PIC a pag. 48 e dal PMC a pag. 29.

Distinti saluti.

Il Direttore
Produzione Termoelettrica
(Dr. Ing. M. Passeggeri)

Allegati: c.s.

FORMULA DI CALCOLO DELLE EMISSIONI A FREDDO - TIEPIDO - CALDO

Macchina		Inquinante NO_x	Portata fumi [Nm^3/h] rilevate dalle curve del costruttore	Concentrazione [mg/Nm^3] misurata	Emissione in massa [g/h] calcolata: portata fumi x concentrazione	Ore tipiche per caratteristiche di avviamento al 50% del carico [h] rilevate dalle curve di carico	Ore tipiche per caratteristiche di avviamento per il 100% del carico [h] rilevate dalle curve di carico	Numero di avviamenti annuali per caratteristiche di avviamento al 50% del carico rilevate dalle curve di carico	Numero di avviamenti annuali per caratteristiche di avviamento per il 100% del carico rilevate dalle curve di carico	Emissioni parziali [t/a]	Emissione totale [t/a]
TG3		avviamento	320.000	109,19	34.941	n.a.	0,25	n.a	329	2,87	4,31
		fermata				n.a.	0,13	n.a	329	1,44	
TG1-TG2		Avviam. a freddo	420.000	67,59	28.388	5,00	4,00	24	1,00	2,84	4,71
		Avviam. a tiepido	420.000	67,59	28.388	4,00	3,00	19,00	1,00	1,70	
		Avviam. a caldo	420.000	67,59	28.388	3,00	2,00	1,00	2,00	0,17	
CALDAIA B1-B2-B3		avviamento	20.000	192,62	3.852	n.a.	0,50	n.a	102	0,20	0,39
		fermata	20.000	192,62	3.852	n.a.	0,50	n.a	102	0,20	

Il tempo di avviamento è standard e determinato dalla logica di accensione. Pertanto non si configurano le tre condizioni di esercizio	La presa di carico dei TG, durante l'assetto cogenerativo è funzione del riscaldamento del GVR. Pertanto si configurano le tre situazioni di funzionamento	Il tempo di avviamento del TG è sempre costante, in quanto il funzionamento cogenerativo non è connesso con la procedura di messa in servizio

Macchina		Inquinante CO	Portata fumi [Nm^3/h] rilevate dalle curve del costruttore	Concentrazione [mg/Nm^3] misurata	Emissione in massa [g/h] calcolata: portata fumi x concentrazione	Ore tipiche per caratteristiche di avviamento al 50% del carico [h] rilevate dalle curve di carico	Ore tipiche per caratteristiche di avviamento per il 100% del carico [h] rilevate dalle curve di carico	Numero di avviamenti annuali per caratteristiche di avviamento al 50% del carico rilevate dalle curve di carico	Numero di avviamenti annuali per caratteristiche di avviamento per il 100% del carico rilevate dalle curve di carico	Emissioni parziali [t/a]	Emissione totale [t/a]
TG3		avviamento	320.000	130,03	41.610	n.a.	0,250	n.a	329	3,42	5,13
		fermata				n.a.	0,125	n.a	329	1,71	
TG1-TG2		Avviam. a freddo	420.000	207,31	87.070	5,00	4,000	24	1,00	8,71	14,45
		Avviam. a tiepido	420.000	207,31	87.070	4,00	3,000	19,00	1,00	5,22	
		Avviam. a caldo	420.000	207,31	87.070	3,00	2,000	1,00	2,00	0,52	
CALDAIA B1-B2-B3		avviamento	20.000	26,48	530	n.a.	0,500	n.a	102	0,03	0,05
		fermata	20.000	26,48	530	n.a.	0,500	n.a	102	0,03	

Il tempo di avviamento è standard e determinato dalla logica di accensione. Pertanto non si configurano le tre condizioni di esercizio	La presa di carico dei TG, durante l'assetto cogenerativo è funzione del riscaldamento del GVR. Pertanto si configurano le tre situazioni di funzionamento	Il tempo di avviamento del TG è sempre costante, in quanto il funzionamento cogenerativo non è connesso con la procedura di messa in servizio

Numero avviamenti Turbogas/Caldaie Centrale Tor di Valle

	Anno 2008	Anno 2009 dal 9 maggio al 31 dicembre
Turbogas n.1 e n. 2	213	198
Turbogas n.3	338	176
Caldaia B1	89	5
Caldaia B2	26	0
Caldaia B3	171	4

Gli avviamenti effettuati con le Caldaie ausialirie si riferiscono a brevi periodi di prove, propedeutiche alla sostituzione dei bruciatori.

Ing. Marco Passeggeri

Numero avviamenti Turbogas/Caldaie Centrale Tor di Valle

	Anno 2008	Anno 2009 dal 9 maggio al 31 dicembre
Turbogas n.1 e n. 2	213	198
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Caldaia B3	171	4

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CCA Centro Combustione Ambiente
an ANSALDO CALDAIE company

RAPPORTO DI PROVA
rapport d'essai- test report

Cliente *Client client*	Acea Electrabel	Data 22/02/10 *date date*		N.	RT/005/CCA/2010		
Impianto/Progetto *Project subject*	**Centrale termoclettrica a ciclo combinato di Tor di Valle ROMA**	Commessa *marchè project no.*	**U10 ACEA KS0001**	Foglio *feuille Sheet*	**1**	Di *de of*	**10**

Titolo *object title*	**Misura di portata/pressione/temperatura/acqua nei fumi dei cicli combinati – Tor di Valle ROMA**

Data della prova *Date d'essai Date of test*	**15-17/02/2010**	Luogo del test *lieu d'essai place of the test*	**Gruppo TG1 (PE-A1), TG2 (PE-A2), TG3 (PE-A3) della centrale termoelettrica Tor di Valle a ciclo combinato alimentato a gas naturale.**

Autori Sigg *prèsents Ms. attended by Mr.*	**CCA: G. Molfetta, A. L'Insalata**
Distribuzione Sigg. *distribution Ms. distribution Mr.*	**Autori; Archivio** **CCA:A. Saponaro** **ACEA ELECTRABEL: p.i. Piccini, dott.ssa Diotallevi, Ing. D. Dusseldori, M. Troiani**

Esecuzione delle misure

Nelle date 15, 16 e 17 Febbraio '10, presso la centrale termoelettrica di Acea Electrabel di Tor di Valle ROMA, sono state effettuate misure di velocità di flussi gassosi in uscita dagli impianti a ciclo combinato rispettivamente TG#2 (PE-A2), TG#1 (PE-A1), TG3 (PE-A3), allo scopo di calcolare la portata di effluente convogliata in atmosfera, oltre alla misura della temperatura, pressione e contenuto di acqua.

La misura di portata è stata effettuata utilizzando un tubo di Pitot di tipo S (Darcy), col quale sono state fatte misure di velocità in diversi punti della sezione del condotto fumi, allo scopo di conoscere, con l'approssimazione tipica del metodo adottato, la velocità all'interno del flusso convogliato.

Contestualmente alle misure di velocità sono state rilevate le misure di pressione e di temperatura, in conformità alla norma UNI EN 10169:2001, inoltre con la stessa norma è stato determinato il contenuto di vapor d'acqua del gas umido, utilizzando una stazione di prelievo come indicato al punto 10.2 della norma citata.

Compilatore *compilateur prepared by*	**G. Molfetta**	Approvato da *approuvè par approved by*	**A. Saponaro**

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Le misure di velocità sui gruppi 1 e 2, a causa della configurazione dell'impianto e della effettiva disponibilità di accessi per l'inserimento della sonda, sono state effettuate all'interno della caldaia a recupero, le cui dimensioni in pianta, ricavate da disegni forniti dal committente sono: 10000 x 3100 mm. Le misure sono state effettuante inserendo la sonda in caldaia attraverso un bocchello di accesso laterale, a quota 24000 mm dal suolo come riportato in (allegato 4), affondando la sonda per sei distanze dalla parete come riportato in tab.1. La metodologia adottata non risulta concorde alle norme di riferimento per le misure in oggetto, ma si ritiene con buona approssimazione sufficientemente accettabile allo scopo, come dimostrato dai calcoli di bilancio di massa, effettuato utilizzando i dati d'impianto a disposizione.

i	[-]	1	2	3	4	5	6
Yi	[m]	150	450	750	1050	1350	1650

tab. 1: distanza dalla parete della caldaia a recupero gruppi 1 e 2

Le misure effettuate sul TG3 sono state rilevate nei punti di misurazione individuati utilizzando la regola dalla UNI 10169: il condotto su cui sono stati effettuate le misure ha sezione circolare caratterizzato da un diametro di 2,9 m, come dichiarato dal costruttore.
Applicando sulla sezione di misura la norma UNI 10169, la sezione di misurazione è stata suddivisa in sei superfici parziali equivalenti (tab.2), nel centro delle quali è stata effettuata la misura di velocità del flusso; sono stati individuati sei punti di misura per diametro, e sono state effettuate misure su un solo diametro, avendo a disposizione un solo acceso al camino di scarico a valle della caldaia a recupero, a quota 16000 mm dal suolo, come riportato in (allegato 3).

i	[-]	1	2	3	4	5	6
Yi	[m]	126	425	858	2042	2475	2774

tab. 2: distanza dalla parete camino caldaia a recupero gruppo 3

Per ogni punto di misurazione è stata effettuata l'acquisizione dei valori di pressione differenziale, pressione statica e temperatura. Le grandezze sono state campionate ad intervalli di 1 secondo: ad ogni dato acquisito il sistema di acquisizione ne ha calcolato il valore medio. L'acquisizione è stata interrotta quando il valore medio risultava approssimativamente costante. Le suddette misure sono state effettuate utilizzando un micro-manometro differenziale modello Zambelli 5005 Data Logger (rapporto di prova e caratteristiche in allegato 1) e un sensore di temperatura di tipo termocoppia K. Si è utilizzato un tubo di Pitot di tipo S modello Zambelli (certificato di taratura in allegato 2).
A valle delle misure di portata, pressione e temperatura, nelle unità 1/2/3, sono state effettuate nello stesso punto di campionamento di cui sopra, il prelievo per la determinazione del contenuto di vapor d'acqua del gas umido, utilizzando lo schema e le applicazioni previste nel paragrafo 10.2 della norma UNI EN 10169:2001.

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Misura delle velocità locali di flusso, e calcolo della portata media

La velocità locale di flusso in un generico punto (u_i), si calcola con la formula:

$$u_i = \sqrt{\frac{2 * g * K * \Delta p_i}{\rho_i}}$$

dove:

K è il fattore di taratura del tubo di Pitot;

Δp_i è la pressione differenziale misurata alle prese del tubo di Pitot nel generico punto i, in Pascal;

ρ_i è la massa volumica dell'effluente nelle condizioni di misurazione, in kilogrammi al metro cubo;

RAPPORTO DI PROVA
rapport d'essai- test report

Centro Combustione Ambiente s.r.l.
A SOCIO UNICO
Sede Legale: Via Milano km 1,600 - 70023 Gioia del Colle (BA) Italy
Cap. Soc. 5.900.000,00 Euro i.v. – Reg.Imprese BA 06514190724 – R.E.A. BA 491308 – C.F./P.I. 06514190724
Società soggetta all'attività di direzione e coordinamento della Sofinter s.p.a

La velocità media del flusso in esame, in metri al secondo, è data da:

$$\overline{u} = \frac{\sum u_i}{N}$$

dove:

u_i è la velocità locale, in metri al secondo;

N è il numero totale dei punti di misurazione;

La portata media di effluente immesso in atmosfera nelle condizioni di esercizio degli impianti in normal metri cubi all'ora, è calcolata come:

$$\overline{Q} = \overline{u} * A * \frac{\rho_1}{\rho_0} 3600$$

dove:

A è l'area della sezione di misurazione, in metri quadrati;

ρ0 è la densità in condizioni normali ipotizzata pari a 1,27 kg/Nm^3 tipico valore per le emissioni di un ciclo combinato

Accuratezza

Nelle condizioni di misura, l'errore associato al valore della portata media è da ritenersi maggiore del 5%.

Misure del flusso gassoso

TG# 1 – PE – A1				
Punto n°	Temperatura Te,i (°C)	Pressione statica $p_{e,i}$ (mm H_2O)	Pressione dinamica Δp_i (mm H_2O)	u_i (m/s)
1	109,5	23,4	1,8	5,47
2	106,7	23,4	0,3	2,23
3	107,7	23,4	2,7	6,69
4	111,6	23,4	3,8	6,86
5	104,0	23,4	1,1	4,25
6	107,4	23,4	2,6	6,56

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TG# 2 – PE-A2				
Punto n°	Temperatura Te,i (°C)	Pressione statica $p_{e,i}$ (mm H_2O)	Pressione dinamica Δp_i (mm H_2O)	u_i (m/s)
1	110,6	22,7	0,9	3,9
2	107,5	22,7	2,8	6,8
3	108,8	22,7	6,5	10,4
4	112,5	22,7	1,1	4,3
5	112,4	22,7	1,3	4,6
6	114,8	22,7	0,9	3,9

TG 3				
Punto n°	Temperatura Te,i (°C)	Pressione statica $p_{e,i}$ (mm H_2O)	Pressione dinamica Δpi (mm H_2O)	u_i (m/s)
1	153,6	21	30,0	23,6
2	153,6	21	29,8	23,5
3	157,1	21	28,2	23,0
4	154,1	21	28,2	22,9
5	185,6	21	15,2	17,4
6	213,0	21	24,4	22,7

Risultati finali e Condizioni operative

impianto	Portata media Nm^3/h	Temperatura media °C	Pressione Statica Media (mmH2O)	Vapor d'acqua (%)	Potenza Elettrica (MWe)
TG#1- (PE-A1)	424823	106,88	23,4	5,18	36,8
TG#2- (PE-A2)	429484	111,10	22,7	5,30	37,3
TG#3 – (PE-A3)	312969	169,50	21	4,90	19

RAPPORTO DI PROVA
rapport d'essai- test report

zambelli
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Sistema Qualità Certificato
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TELEFONO/FAX: Tel.+39.02.90361245 - Fax.+39.02.90361240 - INTERNET: www.zgzambelli.com - E-MAIL: info@zzambelli.com

Modulo 01.02 – Rev. 2 Rapporto di prova
ELABORATORE SERIE 5005 / SERIE COMBI S

Rapporto n°: 526 Data: 29/09/2009
Matricola del modello 5005 (PF 17598) sottoposto a verifica: 889 - Versione software: V.5.0 S2

TEST EFFETTUATI SULL'ELABORATORE
I Test sono eseguiti con alimentazione a batterie (piena carica)

TEMPERATURA (segnale in ingresso all'elaboratore)				
Standard primario	*Elaboratore*	*Differenza*	*Criterio di accettazione*	*Livello di confidenza*
100 °C	99 °C	-1 °C	± 3°C	95 %
150 °C	149 °C	-1 °C	± 3°C	95 %
200 °C	200 °C	0 °C	± 3°C	95 %
500 °C	500 °C	0 °C	± 3°C	95 %
900 °C	902 °C	2 °C	± 3°C	95 %

PRESSIONE DIFFERENZIALE (segnale in ingresso all'elaboratore)				
Standard primario	*Elaboratore*	*Differenza*	*Criterio di accettazione*	*Livello di confidenza*
5 mmH_2O	5,0 mmH_2O	0,00 %	± 1%	95 %
10 mmH_2O	9,9 mmH_2O	-1,00 %	± 1%	95 %
20 mmH_2O	20,0 mmH_2O	0,00 %	± 1%	95 %
40 mmH_2O	40,3 mmH_2O	0,75 %	± 1%	95 %
70 mmH_2O	70,7 mmH_2O	1,00 %	± 1%	95 %

STANDARD PRIMARI	
TEMPERATURA	MEMOCAL 2000 - MATRICOLA 95.43.0100 (MATRICOLA ZAMBELLI: 78) CENTRO DI TARATURA: ERO ELECTRONIC (CENTRO DI TARATURA) N° CERTIFICATO: 2005/1369 - DATA: 20/01/2005 - SCADENZA: 20/01/2010
PRESSIONE DIFFERENZIALE	BARATRON - MATRICOLA 54933-19 CENTRO DI TARATURA: MKS INSTRUMENTS (CENTRO DI TARATURA DKD 04601) N° CERTIFICATO: 3507 - DATA: 23/08/2006 - SCADENZA: 23/08/2011

Procedura utilizzata per i test: ISTRUZIONE OPERATIVA IO-05
Procedura utilizzata per il calcolo del Livello di confidenza: ISTRUZIONE OPERATIVA IO-15 (Rif. UNI CEI ENV 13005:2000)

Firma _____ (Operatore)

Assistenza Tecnica Autorizzata
ZAMBELLI Srl
Firma Via Europa 22 - 84030 - Pertosa (SA)
Tel./Fax 0975/397277
e-mail:lamattina.antonio@tiscali.it
C. F.:LMT NTN 62D08 G476U - P. Iva:04682460656

Allegato 1

RAPPORTO DI PROVA
rapport d'essai- test report

Sensore PRESSIONE DIFFERENZIALE

Pressione assoluta ammissibile	3540 mmH_2O
Range di lettura	0 ÷ 100 mmH_2O
Risoluzione	0.1 mmH_2O
Precisione	± 1%
Ripetibilità e linearità	± 1% fondo scala
Tempo di risposta	2 millisecondi

Segnale in ENGRESSO della temperatura

Termocoppia	Tipo K (Cr/All)
Range di lettura	1 ÷ 999 °C
Precisione	± 3°C
Risoluzione	1 °C
Linearità	± 2 °C (linearizzazione software)

Allegato 1

RAPPORTO DI PROVA
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Rapporto di prova

TUBO DI MISURA PITOT / PITOT AD "S" (DARCY)

Data: 16/09/09
Matricola del tubo di misura (Codice Zambelli: **PF20257**) sottoposto a verifica: **060911**

TEST EFFETTUATI SUL TUBO DI MISURA:

Condizioni ambientali: Pressione barometrica: **1023,00** hPa Temperatura ambiente: **21** °C

Numero misure	*Orifizio*		*Tubo da verificare*		Pressione Statica (mmH_2O)	Costante "αK"
	Temperatura (°C)	Pressione (mmH_2O)	Temperatura (°C)	Pressione (mmH_2O)		
1	26	62,0	26	90,0	47,5	**0,747**
2	26	49,5	26	74,0	41,5	**0,726**
3	26	41,5	26	50,0	31,0	**0,750**
4	26	26,0	26	39,0	20,5	**0,723**
5	26	13,0	26	19,0	18,5	**0,742**

Risultati della prova, in conformità alla normativa UNI 10169

FORMULA VELOCITÀ (αK):

$$V = \sqrt{\frac{2 \times g \times (K \times \Delta P)}{Densità}}$$

COSTANTE MEDIA (Sotto radice)
αK = 0,738

COSTANTE MEDIA (Fuori radice)
αK = 0,859

Il valore αK (Sotto radice) è da utilizzare con l'elaboratori modello 5005, mentre il valore αK (Fuori radice) è da utilizzare con il micromanometro modello Combi-S.
Il misuratore mod. 5006DL può utilizzare sia il fattore αK fuori radice, sia quello sotto radice

STANDARD PRIMARIO

Per la prova è stato utilizzato il tubo campione modello **PITOT** avente matricola **MAT 1**
CENTRO DI TARATURA: CETIAT (FRANCIA)
N° CERTIFICATO: A0707111B - **DATA:** 15/05/2007 – **SCADENZA:** 15/05/2012

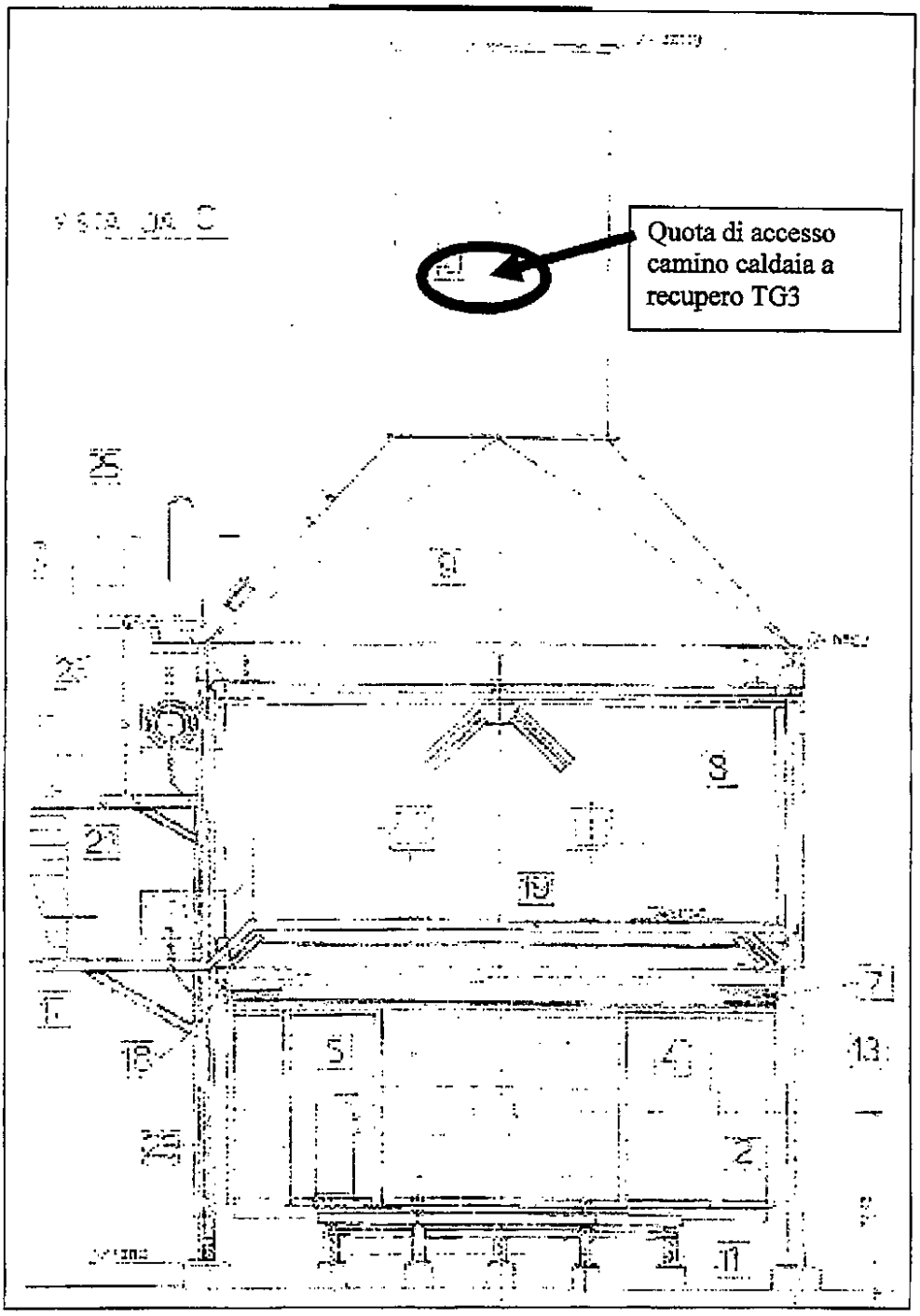
NOTA: Per i tubi di Pitot ad "S" (Darcy), contrassegnati dal segno "+", la costante "K" è valida solo se il tubo corrispondente al segno "+" viene utilizzato per la misura della pressione totale.

Firma _____ (Operatore)

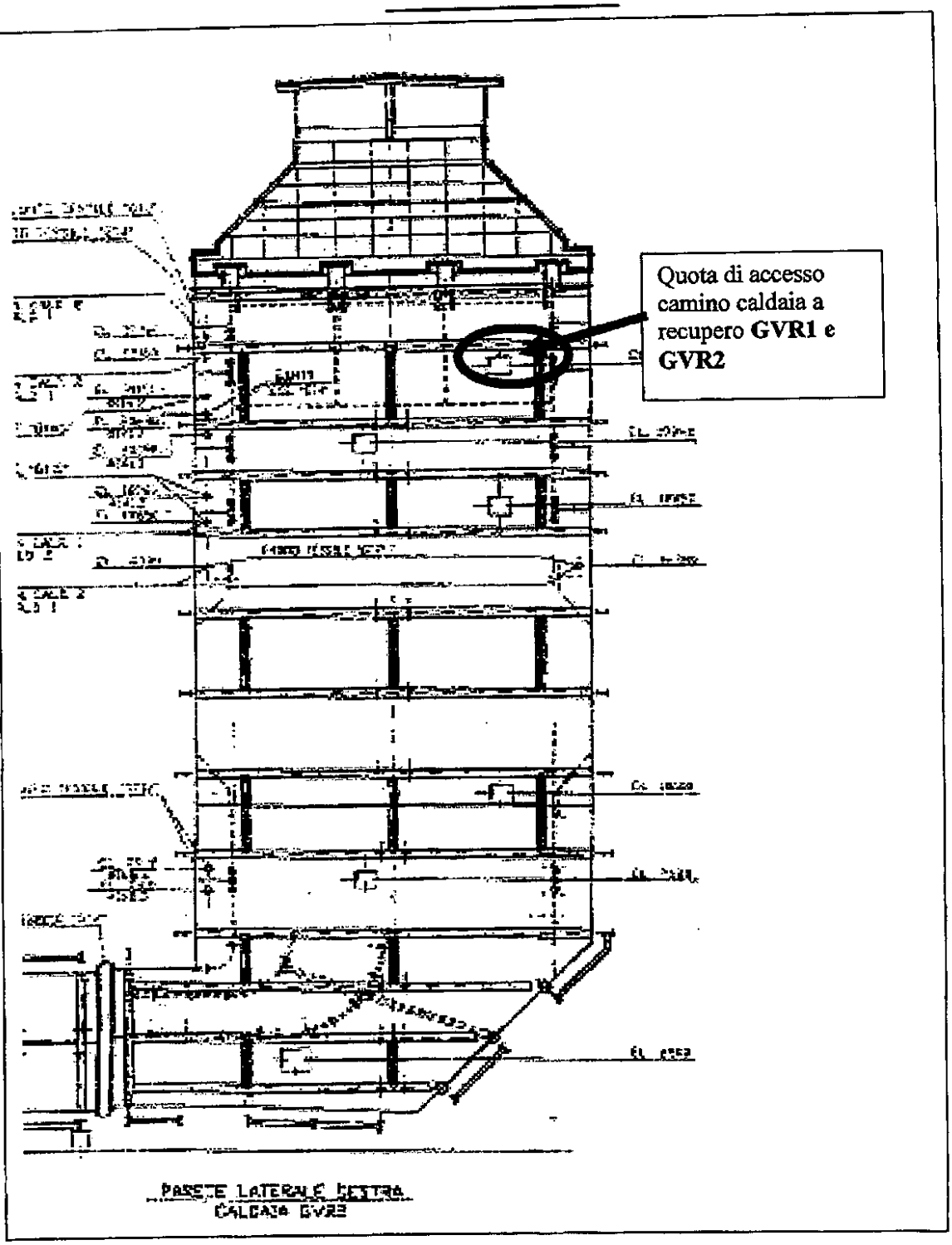
Firma _____ (Responsabile)

Allegato 2

RAPPORTO DI PROVA
rapport d'essai- test report



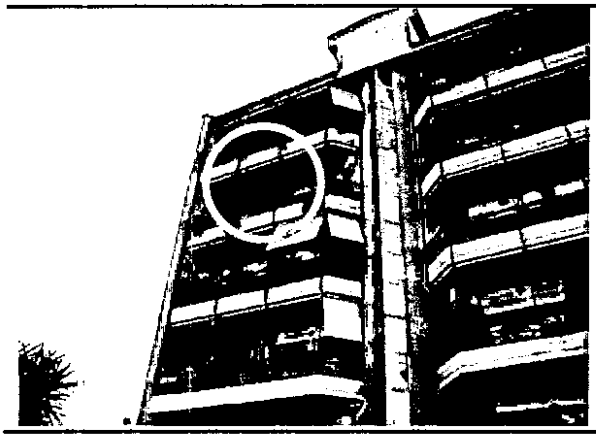
Allegato 3

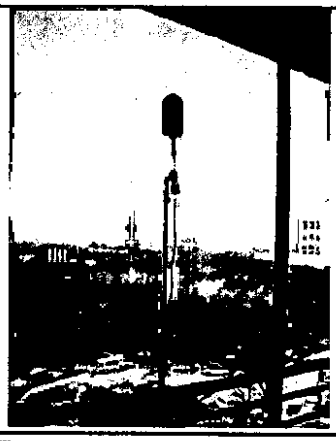

Quota di accesso camino caldaia a recupero **GVR1** e **GVR2**
PARETE LATERALE DESTRA
CALDAIA GVR2

Allegato 4

Progettazioni Ambiente e Trasporti	ACEA – IMPIANTO DI TOR DI VALLE Schede di rilevamento fonometrico

Tipo rilievo:	Monitoraggio acustico in ambiente esterno			**Punto di misura:**	**PM01**
Regione:	Lazio	**Provincia:**	Roma	**Comune:**	Roma
Localizzazione:	Via Nanchino, 26/28 (Quartiere Torrino)			**Zonizzazione:**	
Descrizione:	Il punto di misura è situato al 4° piano del fabbricato e alla distanza pari a circa 570 m dall'impianto ACEA.				
Data inizio misura:	07/10/09	**Data fine misura:**	09/10/09	**Tecnico competente:**	Ing. Tiziana Bastianello Regione Lazio n. 270
Ora inizio misura:	13:00:00	**Ora fine misura:**	13:00:00		



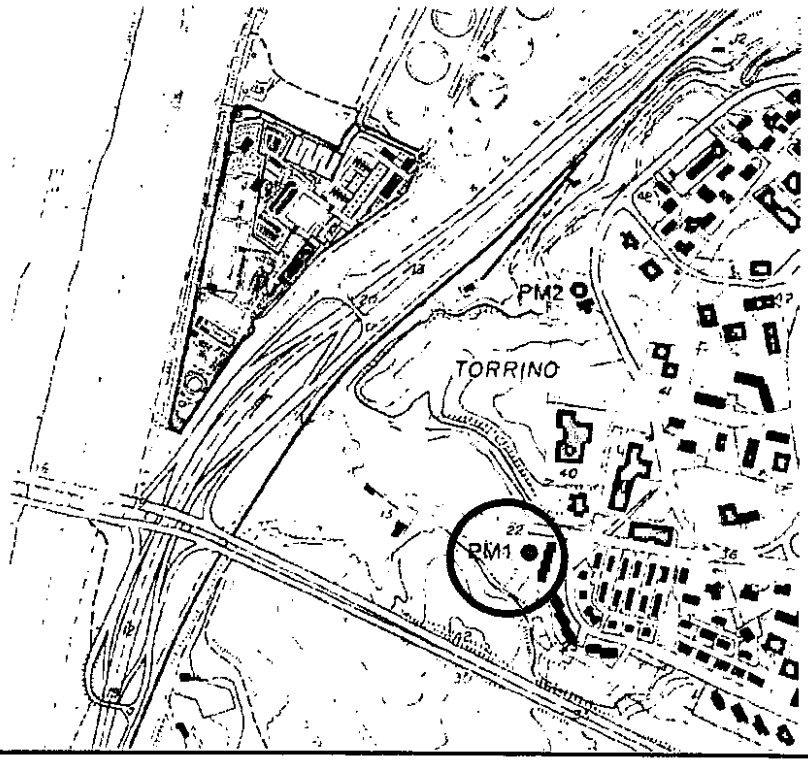


SINTESI ELABORAZIONE ACUSTICA				
	Media impianto acceso		Media impianto spento	
	giorno	notte	giorno	notte
L_{Aeq}	56,7	50,8	56,1	49,6
L_{99}	56,1	49,6	49,6	43,9

SINTESI PARAMETRI METEO		
	Min	Max
Temperatura [°C]	13	22
Umidità [%]	50	80
Vento V [m/s]/ dir. [°]	< 1,5 / var.	
Pioggia [mm]	assente	

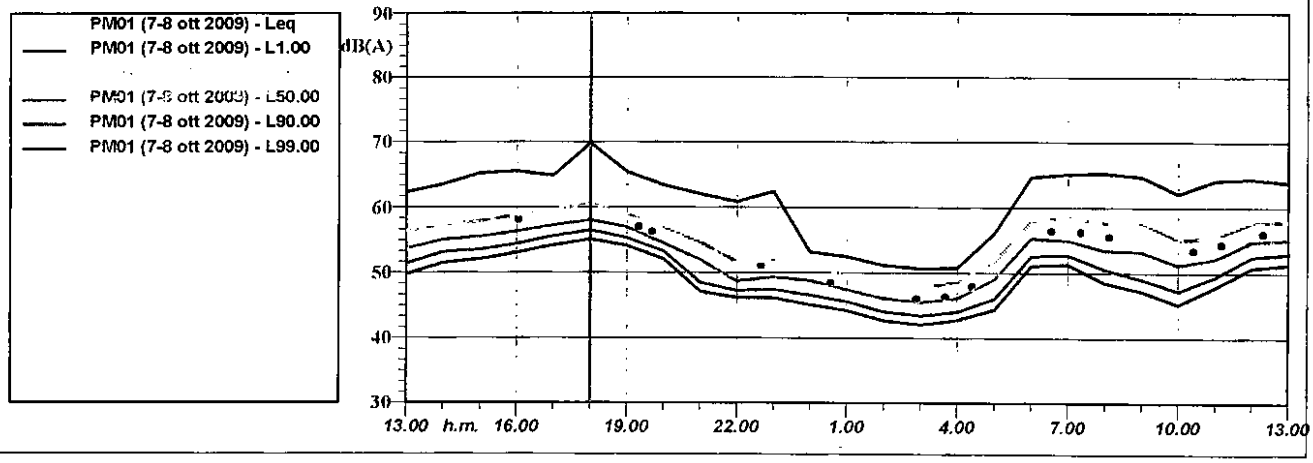
NOTE:	Il clima acustico è caratterizzato da un rumore continuo di sottofondo della centrale. Ulteriori sorgenti sono il GRA (170 m) e la linea ferroviaria e la adiacente via del Mare (410 m). La TurboGas 2 è in funzione fino alle 13.00 del 08/11.

UBICAZIONE PUNTO DI MISURA



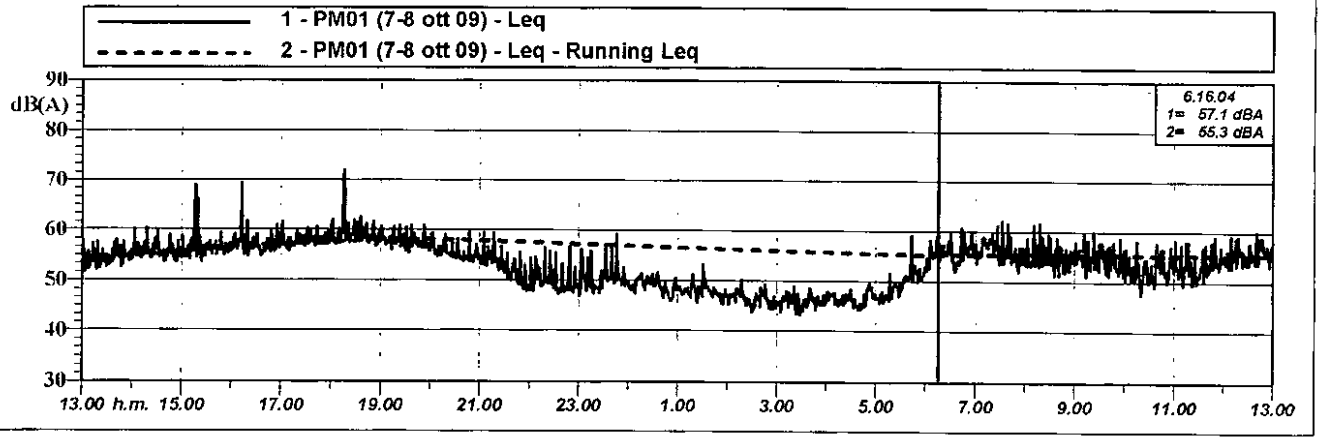
Stralcio planimetrico

Intervalli orari - Leq e dei Livelli percentili

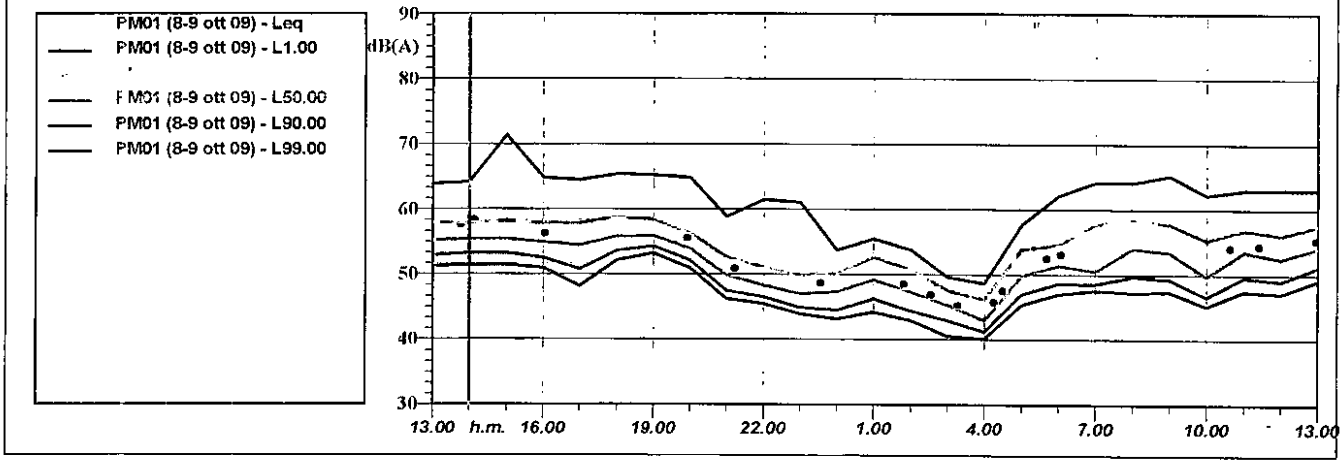


	LEQ	L1	L10	L50	L90	L99
13.00.00	54.7 dBA	62.4 dBA	56.3 dBA	53.7 dBA	51.4 dBA	49.7 dBA
14.00.00	56.0 dBA	63.6 dBA	57.4 dBA	55.1 dBA	53.2 dBA	51.5 dBA
15.00.00	58.6 dBA	65.3 dBA	57.9 dBA	55.5 dBA	53.5 dBA	52.0 dBA
16.00.00	58.2 dBA	65.6 dBA	58.9 dBA	56.3 dBA	54.4 dBA	53.0 dBA
17.00.00	58.1 dBA	64.9 dBA	59.6 dBA	57.3 dBA	55.5 dBA	54.2 dBA
18.00.00	60.9 dBA	69.8 dBA	60.6 dBA	58.1 dBA	56.4 dBA	55.1 dBA
19.00.00	57.9 dBA	65.5 dBA	59.0 dBA	57.0 dBA	55.3 dBA	54.1 dBA
20.00.00	55.7 dBA	63.4 dBA	56.9 dBA	54.7 dBA	53.2 dBA	52.1 dBA
21.00.00	53.2 dBA	62.1 dBA	54.7 dBA	52.1 dBA	48.5 dBA	47.1 dBA
22.00.00	50.9 dBA	60.9 dBA	51.7 dBA	48.8 dBA	47.2 dBA	46.2 dBA
23.00.00	51.4 dBA	62.5 dBA	51.9 dBA	49.5 dBA	47.4 dBA	46.1 dBA
0.00.00	49.2 dBA	53.2 dBA	51.1 dBA	48.9 dBA	46.5 dBA	45.1 dBA
1.00.00	48.0 dBA	52.5 dBA	49.7 dBA	47.5 dBA	45.6 dBA	44.2 dBA
2.00.00	46.6 dBA	51.2 dBA	48.4 dBA	46.1 dBA	44.0 dBA	42.6 dBA
3.00.00	46.0 dBA	50.7 dBA	47.8 dBA	45.5 dBA	43.4 dBA	42.0 dBA
4.00.00	46.7 dBA	50.8 dBA	48.7 dBA	46.1 dBA	44.1 dBA	42.7 dBA
5.00.00	50.3 dBA	56.2 dBA	51.9 dBA	49.2 dBA	46.0 dBA	44.4 dBA
6.00.00	56.4 dBA	64.7 dBA	58.0 dBA	55.4 dBA	52.6 dBA	51.1 dBA
7.00.00	56.7 dBA	65.2 dBA	58.6 dBA	55.1 dBA	52.8 dBA	51.2 dBA
8.00.00	55.7 dBA	65.3 dBA	57.7 dBA	53.5 dBA	50.5 dBA	48.4 dBA
9.00.00	55.4 dBA	64.8 dBA	57.7 dBA	53.4 dBA	49.1 dBA	47.2 dBA
10.00.00	53.1 dBA	62.2 dBA	55.2 dBA	51.3 dBA	47.2 dBA	45.2 dBA
11.00.00	54.1 dBA	64.2 dBA	55.6 dBA	52.3 dBA	49.4 dBA	47.9 dBA
12.00.00	56.1 dBA	64.4 dBA	57.8 dBA	54.9 dBA	52.4 dBA	50.8 dBA

Time History - Periodo misura

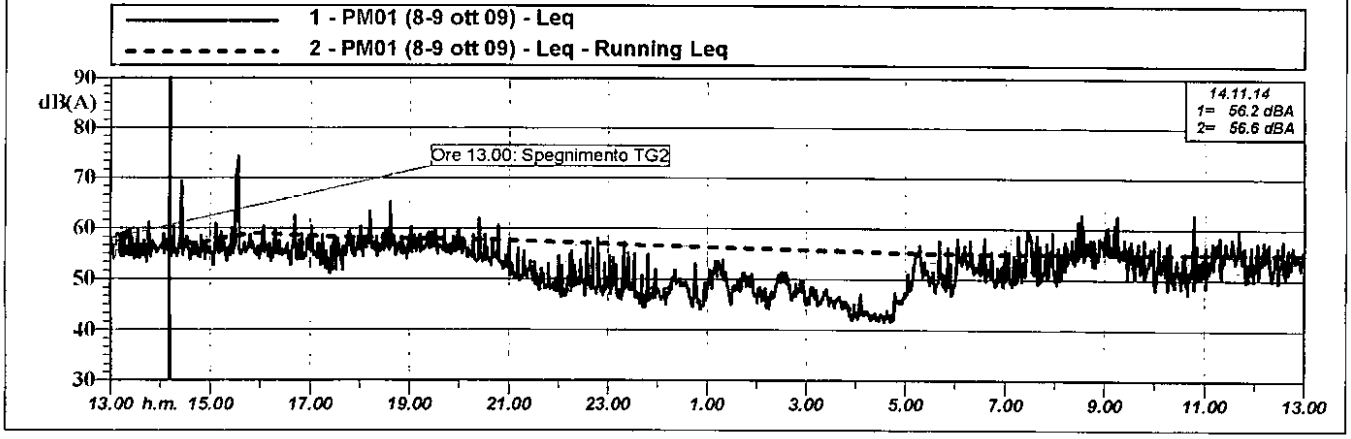


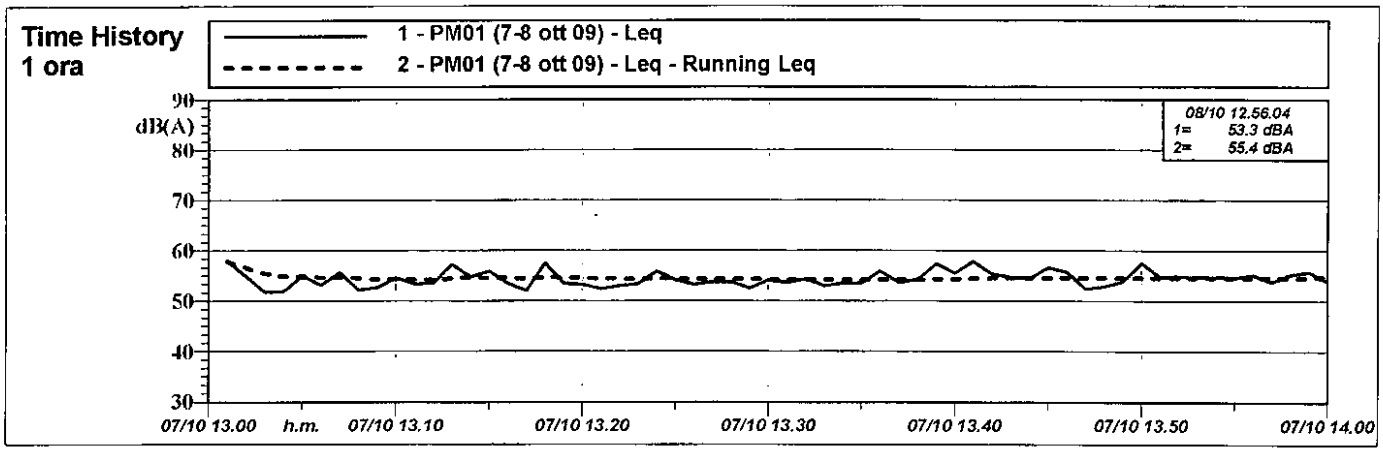
Intervalli orari - Leq e dei Livelli percentili

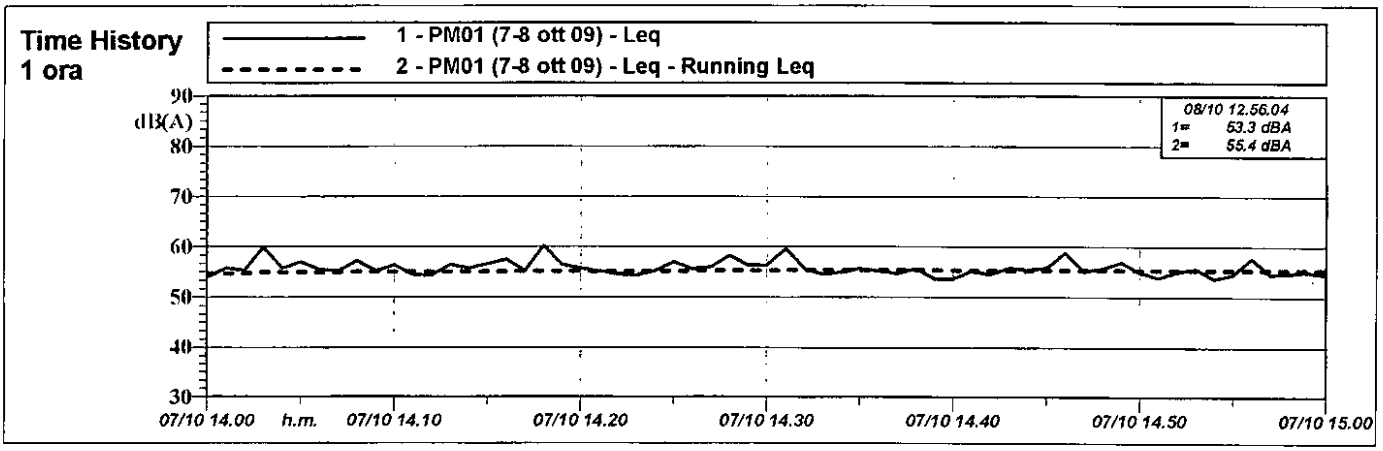


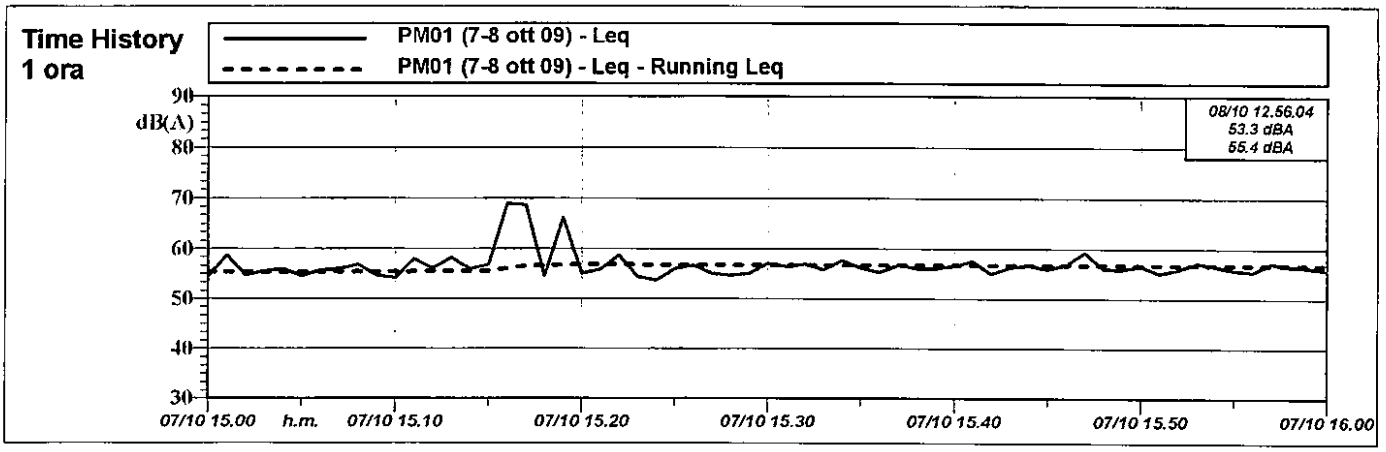
	LEQ	L1	L10	L50	L90	L99
13.00.00	56.3 dBA	63.9 dBA	57.9 dBA	55.2 dBA	52.9 dBA	51.3 dBA
14.00.00	58.1 dBA	64.2 dBA	57.9 dBA	55.4 dBA	53.2 dBA	51.4 dBA
15.00.00	61.1 dBA	71.4 dBA	58.1 dBA	55.3 dBA	53.2 dBA	51.4 dBA
16.00.00	56.3 dBA	64.9 dBA	57.9 dBA	54.9 dBA	52.6 dBA	51.1 dBA
17.00.00	55.8 dBA	64.5 dBA	57.8 dBA	54.4 dBA	50.8 dBA	48.2 dBA
18.00.00	57.5 dBA	65.4 dBA	58.9 dBA	55.8 dBA	53.7 dBA	52.2 dBA
19.00.00	57.1 dBA	65.3 dBA	58.3 dBA	55.9 dBA	54.3 dBA	53.3 dBA
20.00.00	55.4 dBA	64.9 dBA	56.3 dBA	53.9 dBA	52.2 dBA	51.0 dBA
21.00.00	50.9 dBA	58.9 dBA	52.6 dBA	49.9 dBA	47.6 dBA	46.3 dBA
22.00.00	50.6 dBA	61.4 dBA	51.1 dBA	48.3 dBA	46.5 dBA	45.4 dBA
23.00.00	49.6 dBA	61.1 dBA	49.9 dBA	47.1 dBA	44.9 dBA	43.9 dBA
0.00.00	48.0 dBA	53.7 dBA	50.1 dBA	47.3 dBA	44.5 dBA	43.1 dBA
1.00.00	50.0 dBA	55.5 dBA	52.6 dBA	49.2 dBA	46.3 dBA	44.2 dBA
2.00.00	48.2 dBA	53.8 dBA	50.8 dBA	47.3 dBA	44.4 dBA	43.0 dBA
3.00.00	45.7 dBA	49.6 dBA	47.6 dBA	45.3 dBA	42.9 dBA	40.5 dBA
4.00.00	43.9 dBA	48.6 dBA	46.1 dBA	43.0 dBA	41.2 dBA	40.1 dBA
5.00.00	51.5 dBA	57.7 dBA	53.9 dBA	49.9 dBA	47.1 dBA	45.4 dBA
6.00.00	53.0 dBA	62.2 dBA	54.6 dBA	51.4 dBA	48.7 dBA	47.1 dBA
7.00.00	54.2 dBA	64.2 dBA	57.8 dBA	50.6 dBA	48.6 dBA	47.6 dBA
8.00.00	56.0 dBA	64.2 dBA	58.4 dBA	54.0 dBA	49.7 dBA	47.3 dBA
9.00.00	55.7 dBA	65.3 dBA	57.8 dBA	53.4 dBA	49.3 dBA	47.4 dBA
10.00.00	53.2 dBA	62.3 dBA	55.2 dBA	49.8 dBA	46.7 dBA	45.1 dBA
11.00.00	54.8 dBA	63.0 dBA	56.9 dBA	53.5 dBA	49.7 dBA	47.5 dBA
12.00.00	54.0 dBA	63.1 dBA	56.0 dBA	52.5 dBA	49.0 dBA	47.1 dBA

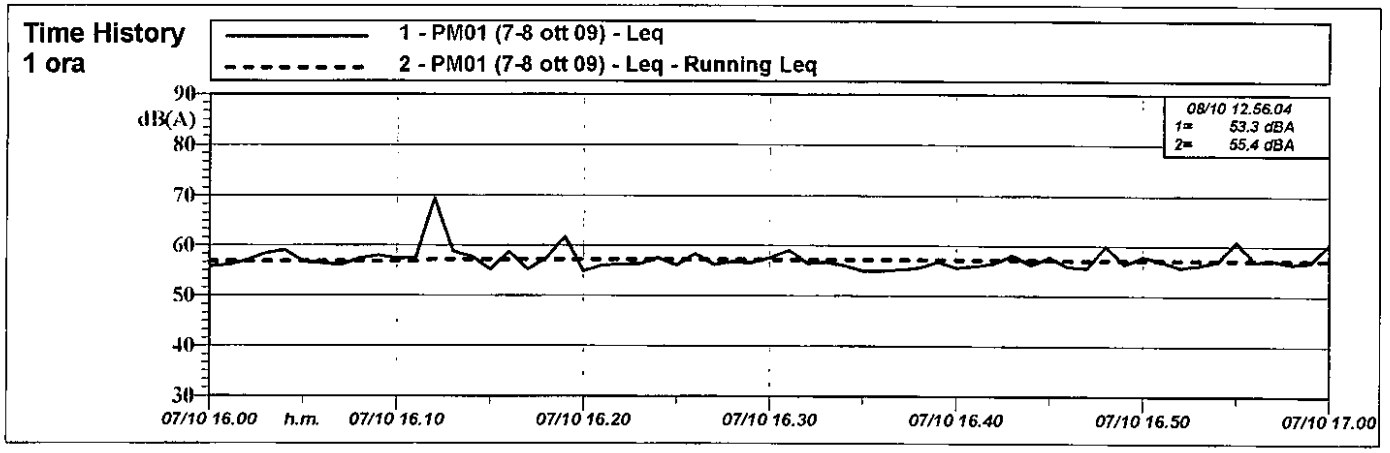
Time History - Periodo misura

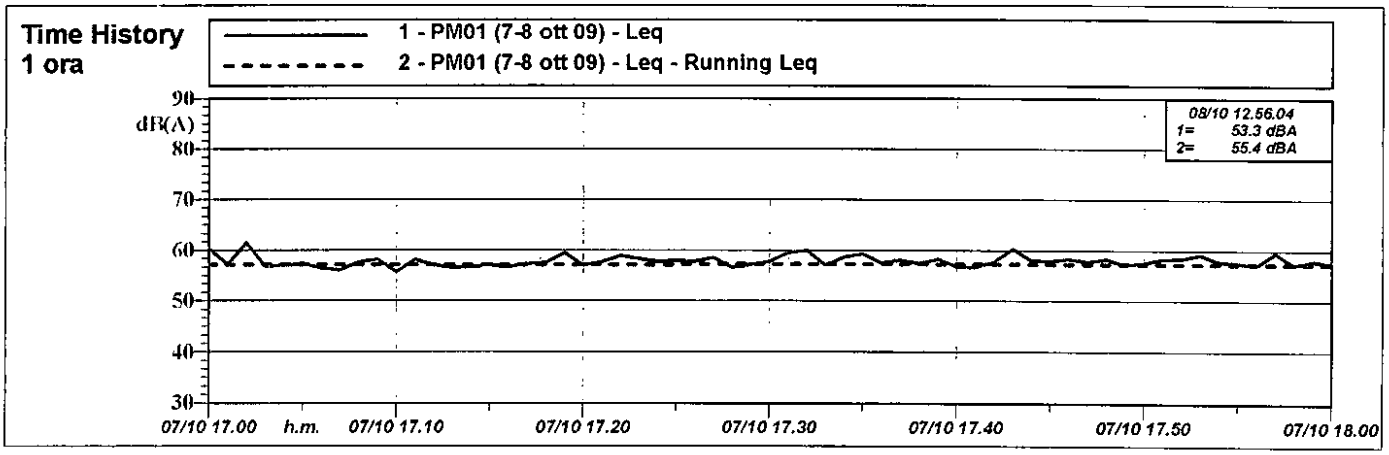


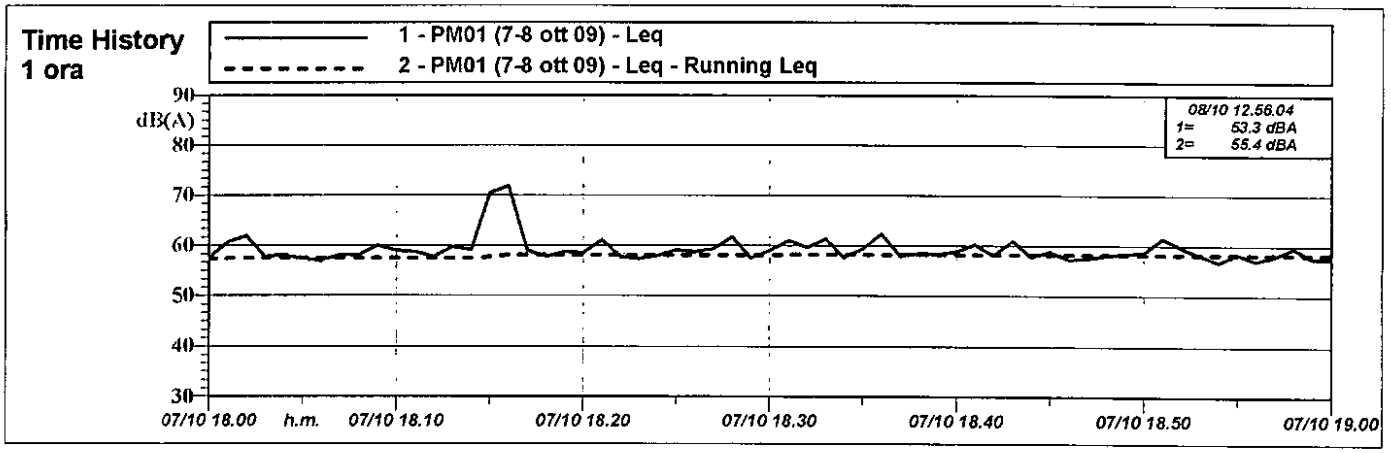

Time History
1 ora
1 - PM01 (7-8 ott 09) - Leq
2 - PM01 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.04
1= 53.3 dBA
2= 55.4 dBA
07/10 13.00
h.m.
07/10 13.10
07/10 13.20
07/10 13.30
07/10 13.40
07/10 13.50
07/10 14.00


Time History
1 ora
1 - PM01 (7-8 ott 09) - Leq
2 - PM01 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.04
1= 53.3 dBA
2= 55.4 dBA
07/10 14.00
h.m.
07/10 14.10
07/10 14.20
07/10 14.30
07/10 14.40
07/10 14.50
07/10 15.00


Time History
1 ora
PM01 (7-8 ott 09) - Leq
PM01 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.04
53.3 dBA
55.4 dBA
07/10 15.00
h.m.
07/10 15.10
07/10 15.20
07/10 15.30
07/10 15.40
07/10 15.50
07/10 16.00


Time History
1 ora
1 - PM01 (7-8 ott 09) - Leq
2 - PM01 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.04
1= 53.3 dBA
2= 55.4 dBA
07/10 16.00
h.m.
07/10 16.10
07/10 16.20
07/10 16.30
07/10 16.40
07/10 16.50
07/10 17.00


Time History
1 ora
1 - PM01 (7-8 ott 09) - Leq
2 - PM01 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.04
1= 53.3 dBA
2= 55.4 dBA
07/10 17.00
h.m.
07/10 17.10
07/10 17.20
07/10 17.30
07/10 17.40
07/10 17.50
07/10 18.00


Time History
1 ora
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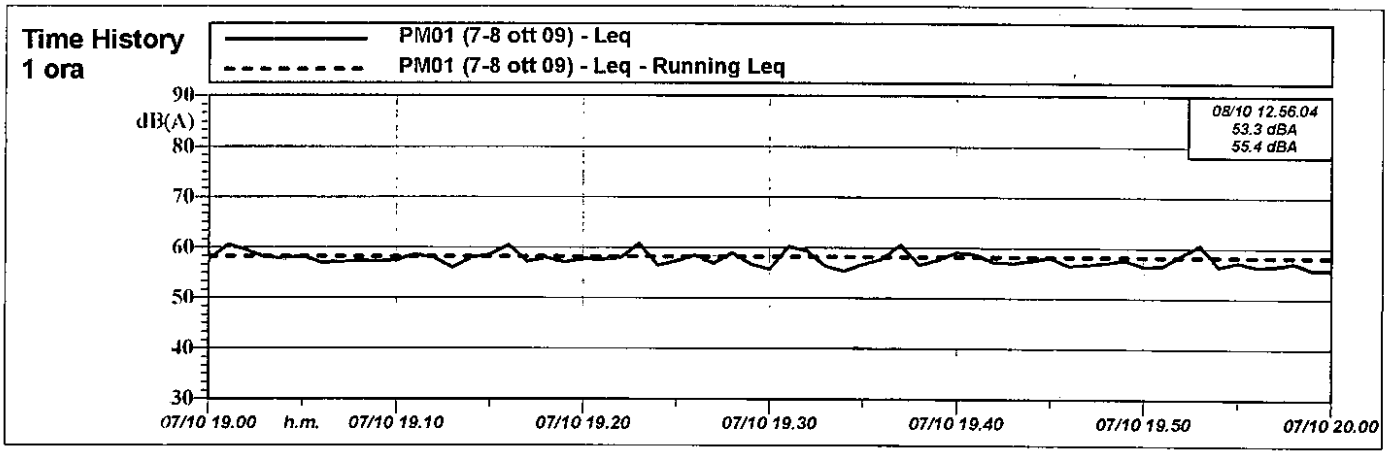
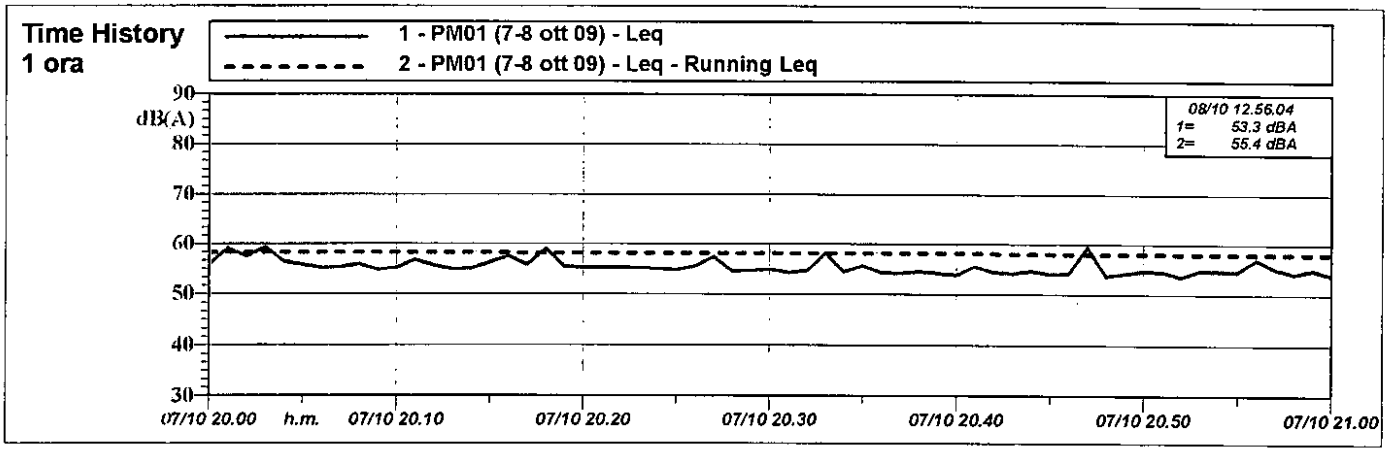
2 - PM01 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.04
1= 53.3 dBA
2= 55.4 dBA
07/10 18.00
h.m.
07/10 18.10
07/10 18.20
07/10 18.30
07/10 18.40
07/10 18.50
07/10 19.00


Time History
1 ora
PM01 (7-8 ott 09) - Leq
PM01 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.04
53.3 dBA
55.4 dBA
07/10 19.00
h.m.
07/10 19.10
07/10 19.20
07/10 19.30
07/10 19.40
07/10 19.50
07/10 20.00


Time History
1 ora
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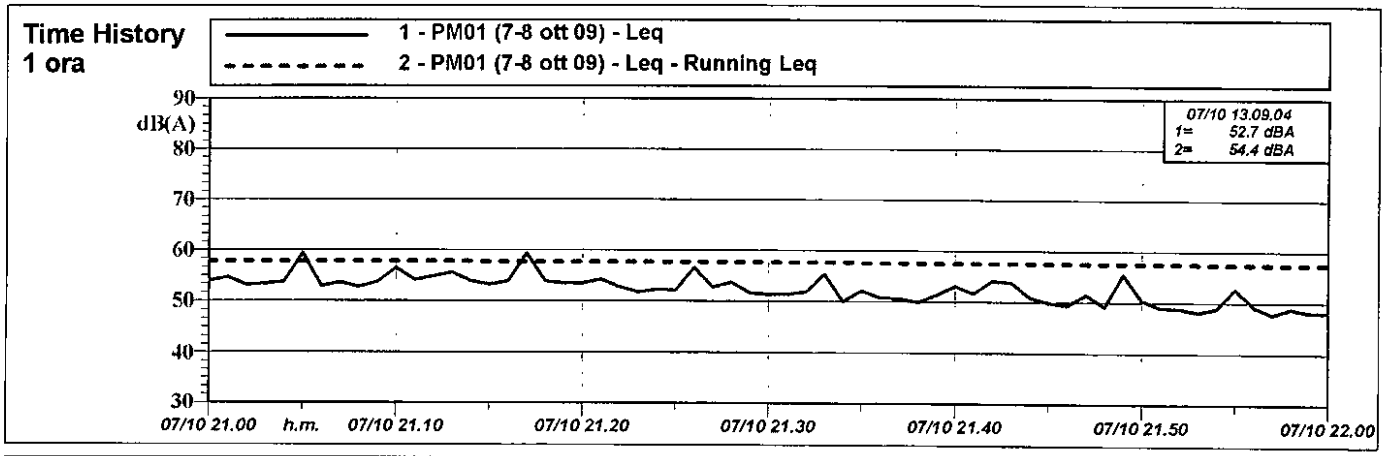
2 - PM01 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.04
1= 53.3 dBA
2= 55.4 dBA
07/10 20.00
h.m.
07/10 20.10
07/10 20.20
07/10 20.30
07/10 20.40
07/10 20.50
07/10 21.00


Time History
1 ora
1 - PM01 (7-8 ott 09) - Leq
2 - PM01 (7-8 ott 09) - Leq - Running Leq
dB(A)
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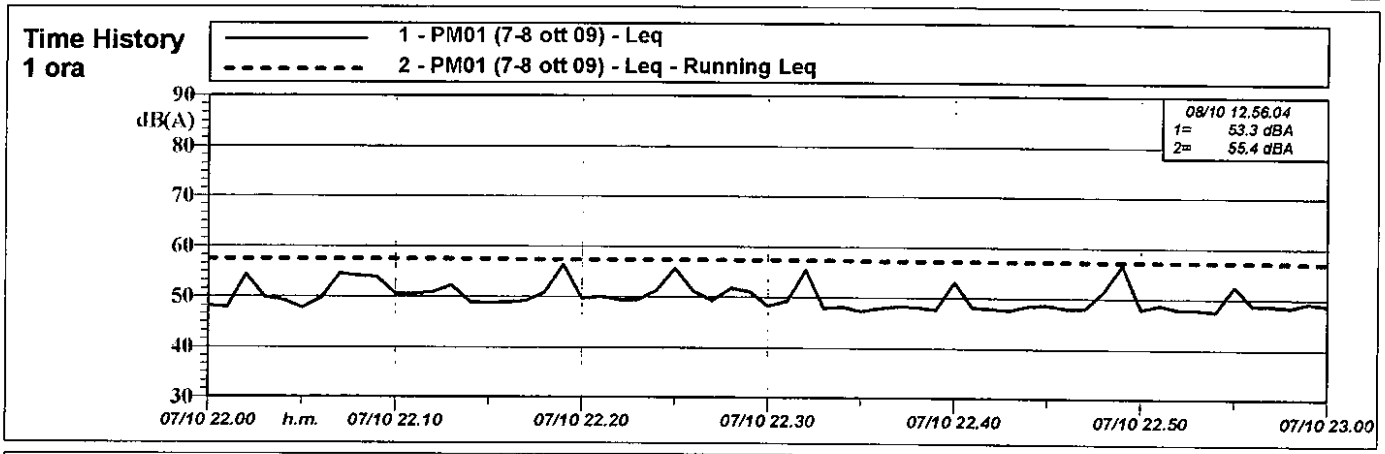
80
70
60
50
40
30
07/10 13.09.04
1= 52.7 dBA
2= 54.4 dBA
07/10 21.00
h.m.
07/10 21.10
07/10 21.20
07/10 21.30
07/10 21.40
07/10 21.50
07/10 22.00


Time History
1 ora
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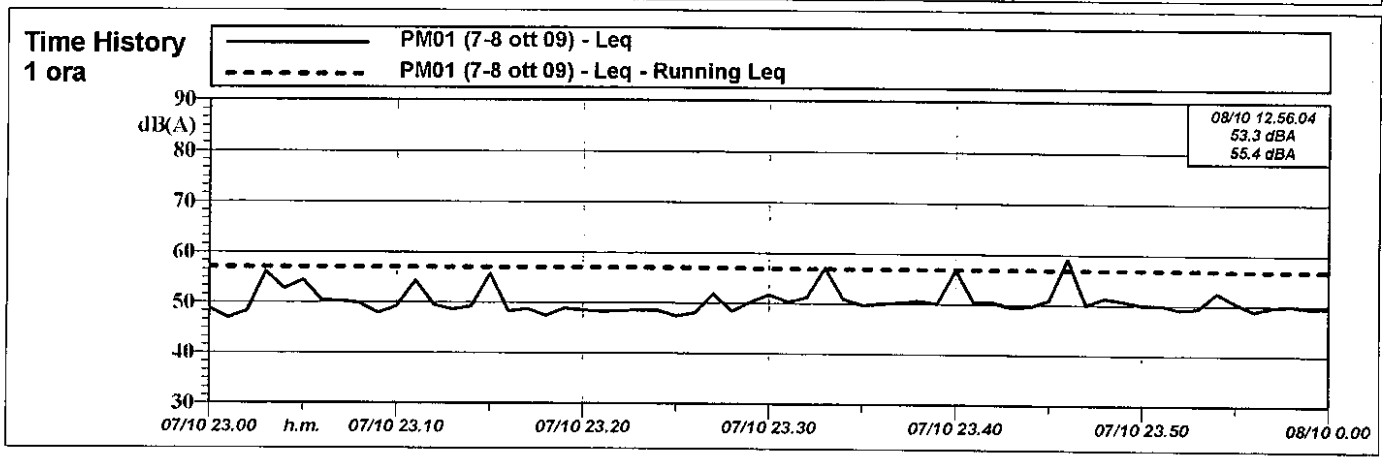
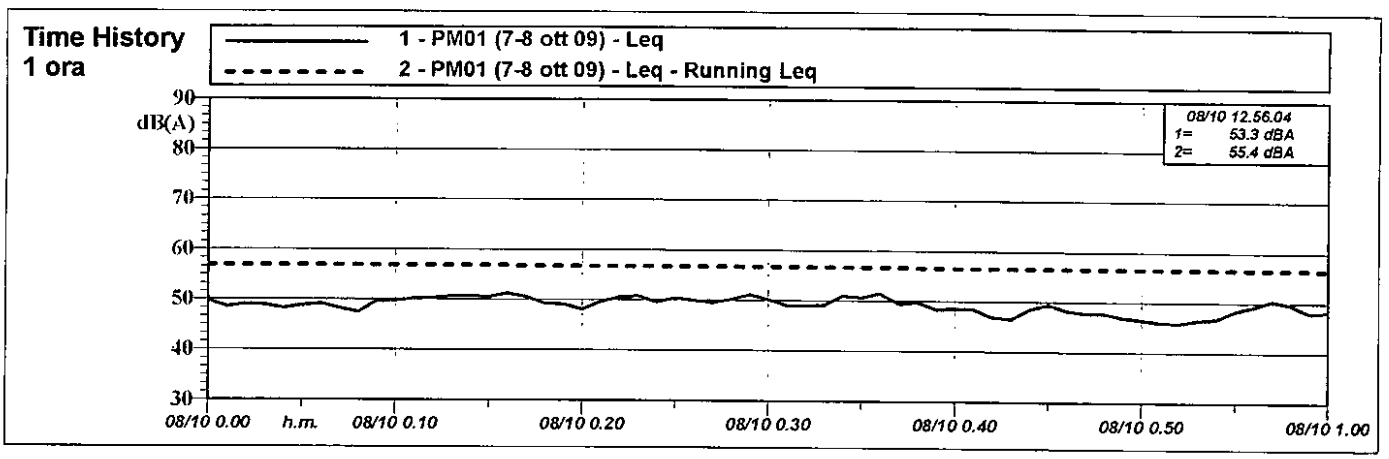
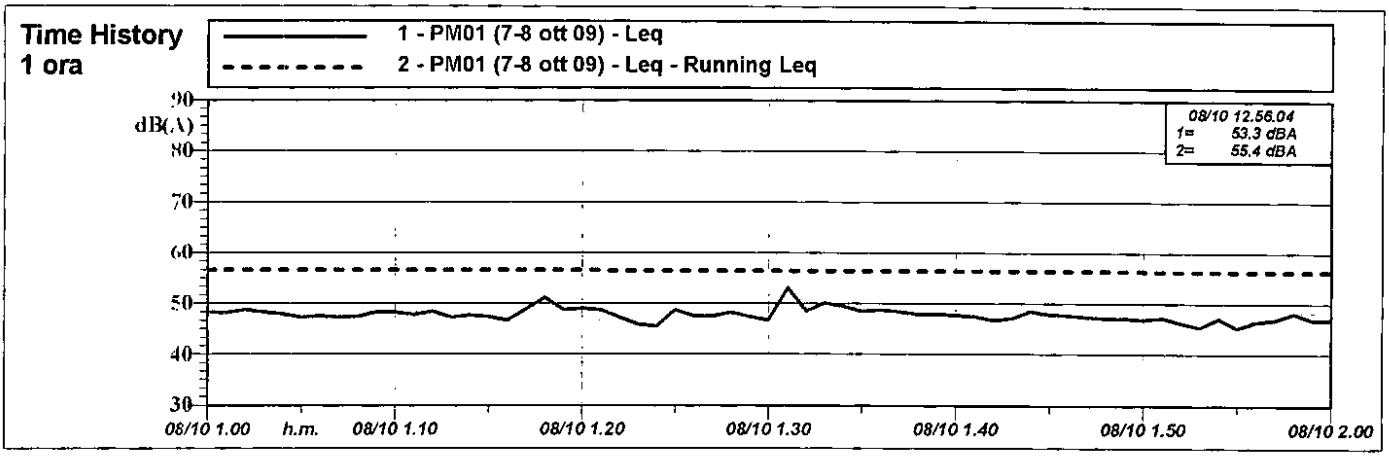
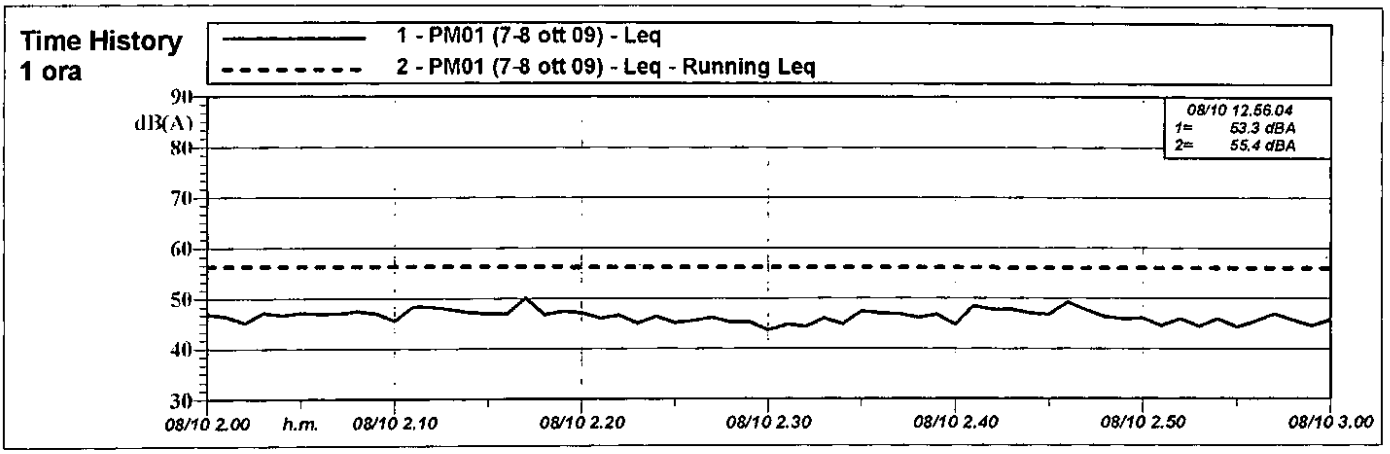
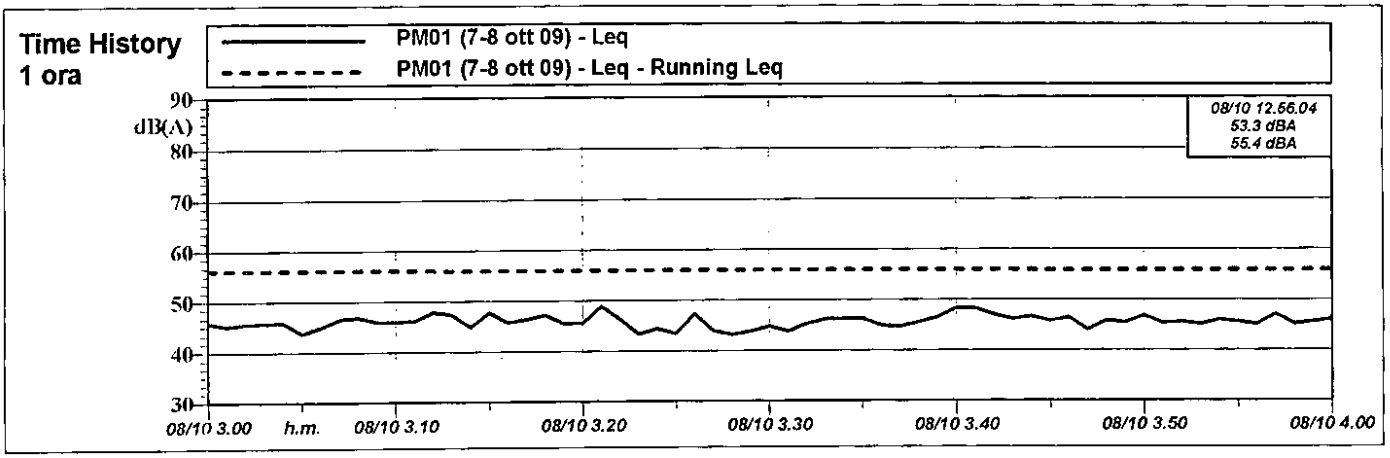
2 - PM01 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.04
1= 53.3 dBA
2= 55.4 dBA
07/10 22.00
h.m.
07/10 22.10
07/10 22.20
07/10 22.30
07/10 22.40
07/10 22.50
07/10 23.00

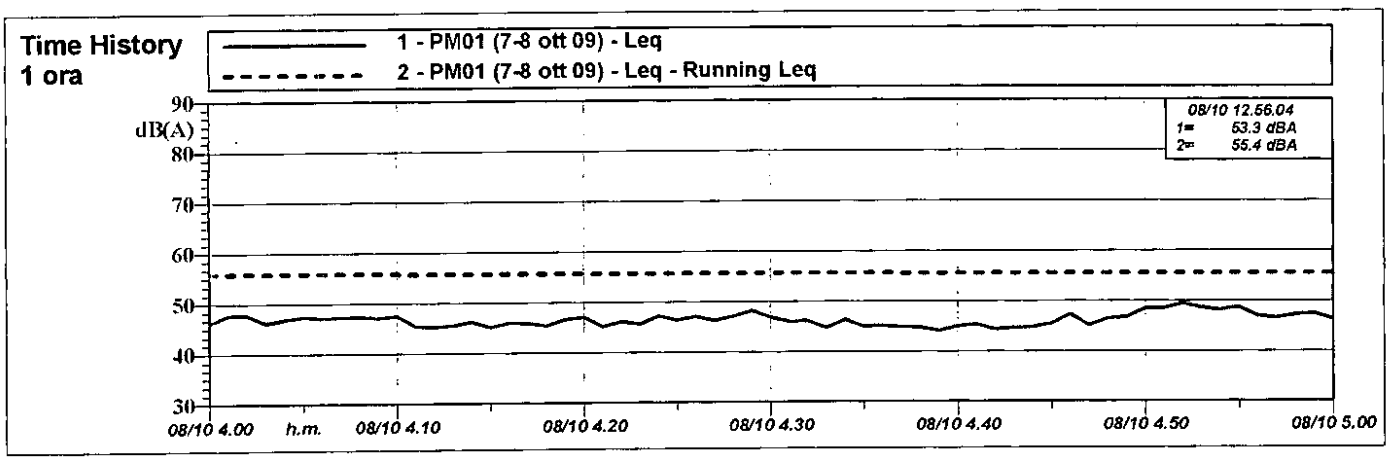

Time History
1 ora
PM01 (7-8 ott 09) - Leq
PM01 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.04
53.3 dBA
55.4 dBA
07/10 23.00
h.m.
07/10 23.10
07/10 23.20
07/10 23.30
07/10 23.40
07/10 23.50
08/10 0.00


Time History
1 ora
1 - PM01 (7-8 ott 09) - Leq
2 - PM01 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.04
1= 53.3 dBA
2= 55.4 dBA
08/10 0.00
h.m.
08/10 0.10
08/10 0.20
08/10 0.30
08/10 0.40
08/10 0.50
08/10 1.00


Time History
1 ora
1 - PM01 (7-8 ott 09) - Leq
2 - PM01 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.04
1= 53.3 dBA
2= 55.4 dBA
08/10 1.00
h.m.
08/10 1.10
08/10 1.20
08/10 1.30
08/10 1.40
08/10 1.50
08/10 2.00


Time History
1 ora
1 - PM01 (7-8 ott 09) - Leq
2 - PM01 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.04
1= 53.3 dBA
2= 55.4 dBA
08/10 2.00
h.m.
08/10 2.10
08/10 2.20
08/10 2.30
08/10 2.40
08/10 2.50
08/10 3.00

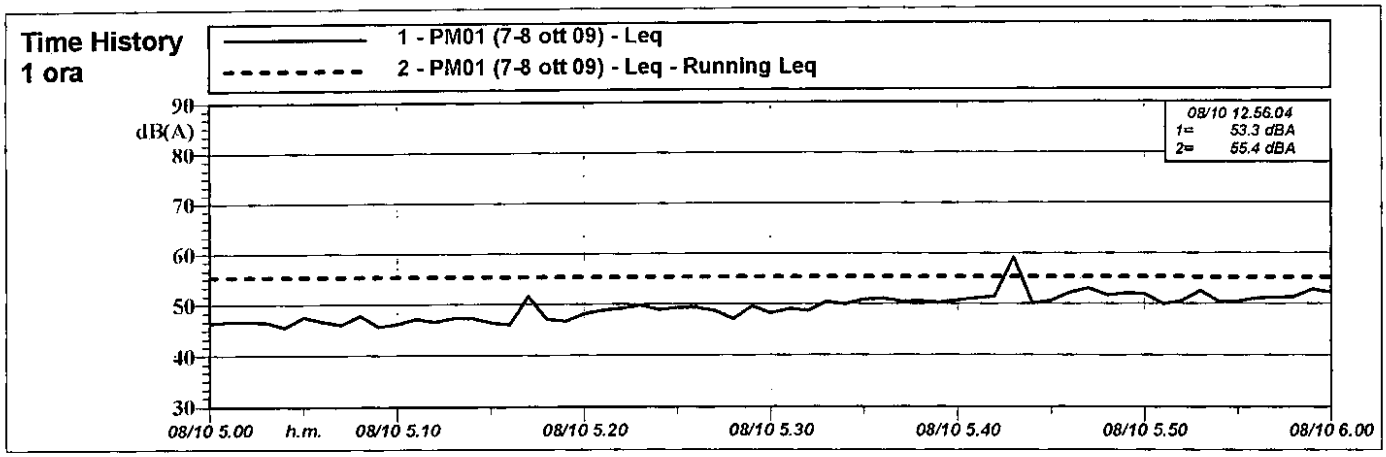

Time History
1 ora
PM01 (7-8 ott 09) - Leq
PM01 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.04
53.3 dBA
55.4 dBA
08/10 3.00
h.m.
08/10 3.10
08/10 3.20
08/10 3.30
08/10 3.40
08/10 3.50
08/10 4.00

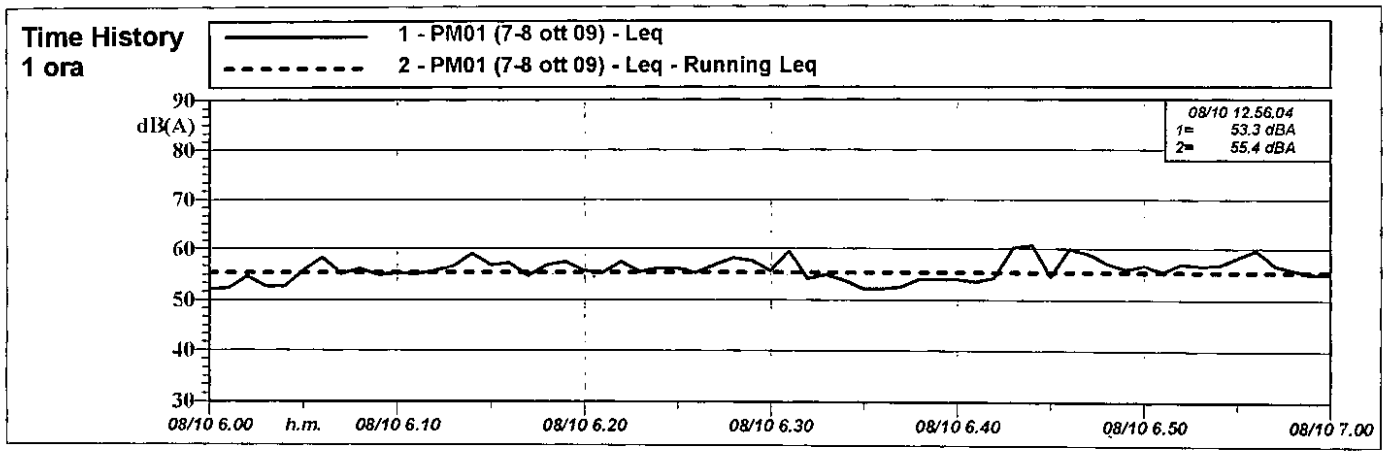

Time History
1 ora
1 - PM01 (7-8 ott 09) - Leq
2 - PM01 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.04
1= 53.3 dBA
2= 55.4 dBA
08/10 4.00
h.m.
08/10 4.10
08/10 4.20
08/10 4.30
08/10 4.40
08/10 4.50
08/10 5.00

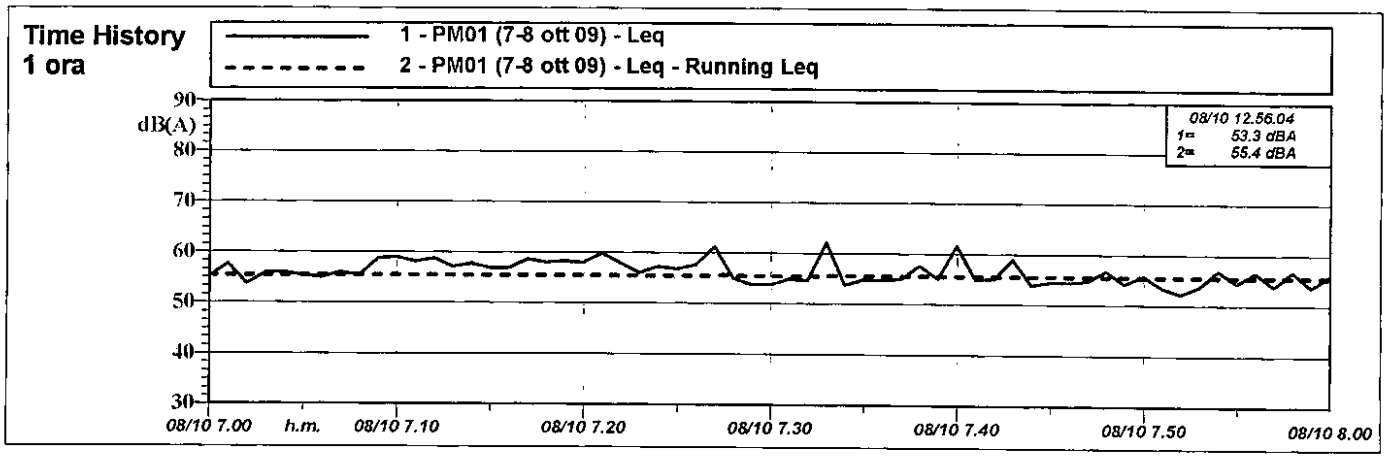
Progettazione Ambiente e Trasporti

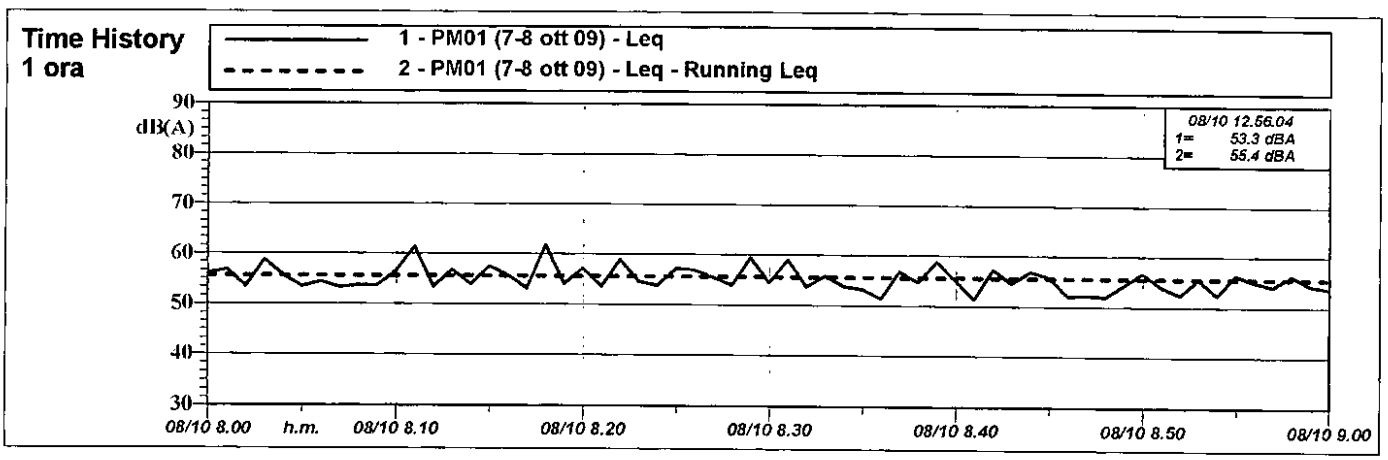
CARATTERIZZAZIONE ACUSTICA

Localizzazione punto di misura e sintesi del rilievo fonometrico

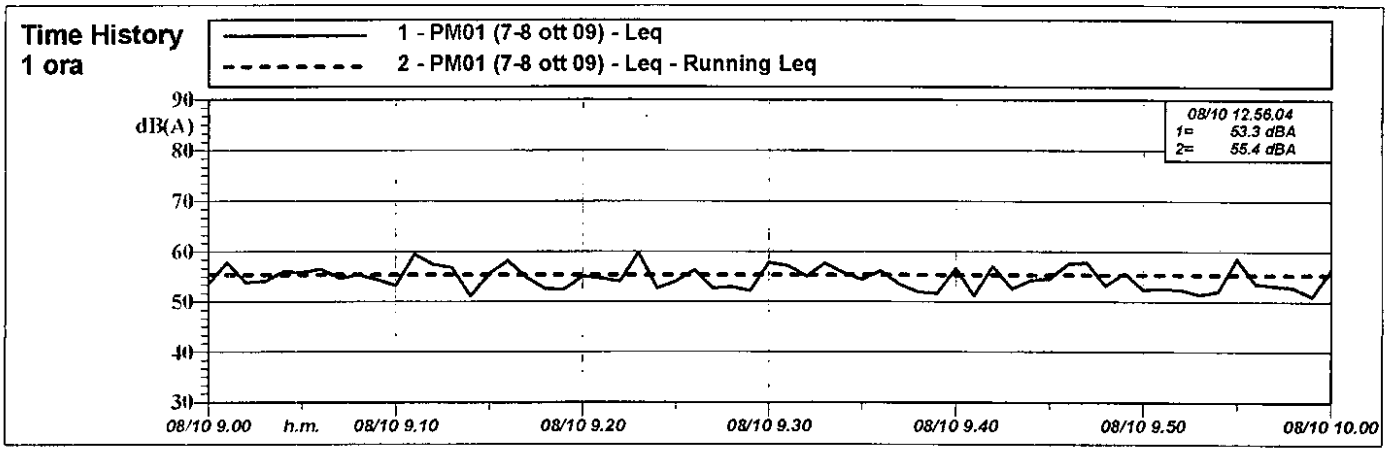


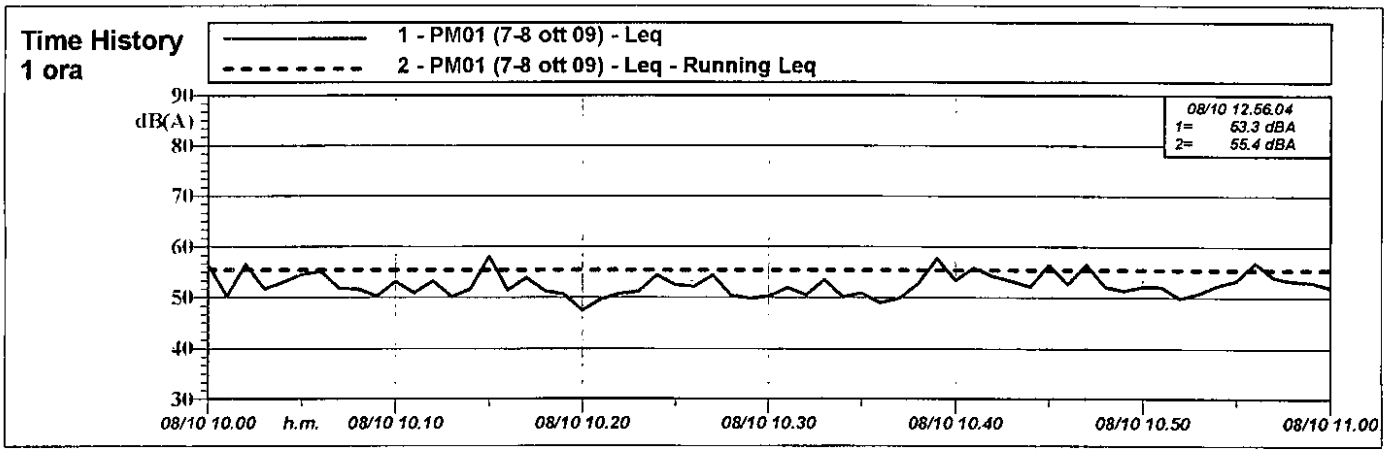


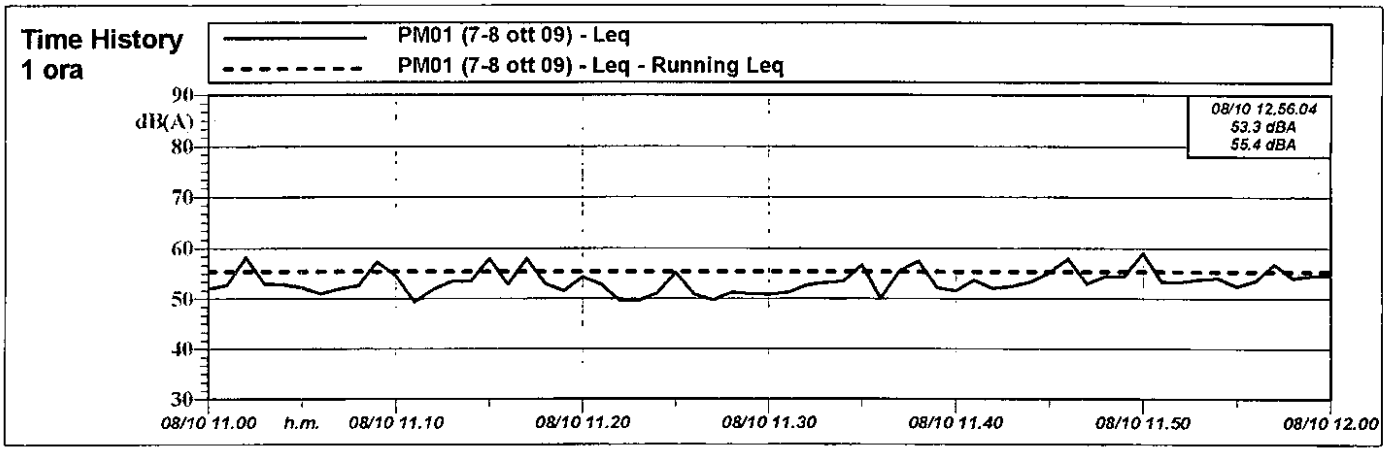


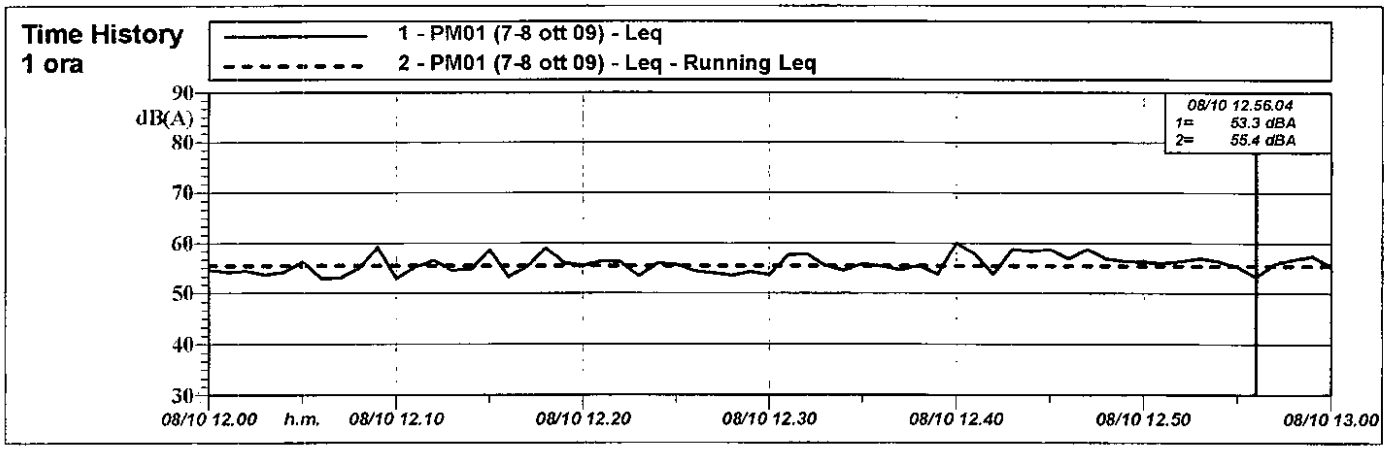


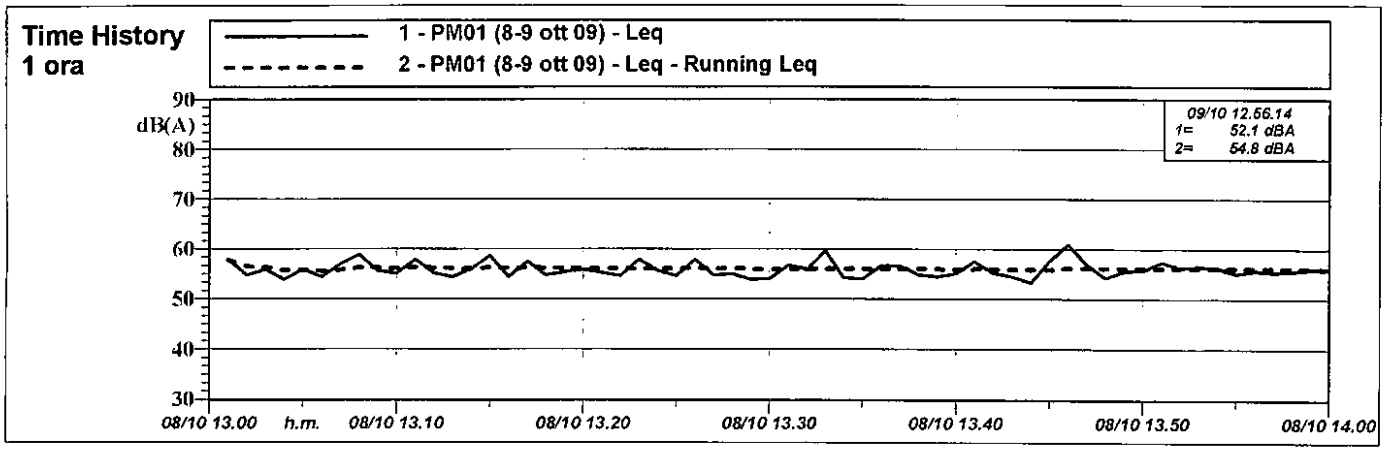
Progettazione Ambientale e Trasporti	**CARATTERIZZAZIONE ACUSTICA** Localizzazione punto di misura e sintesi del rilievo fonometrico

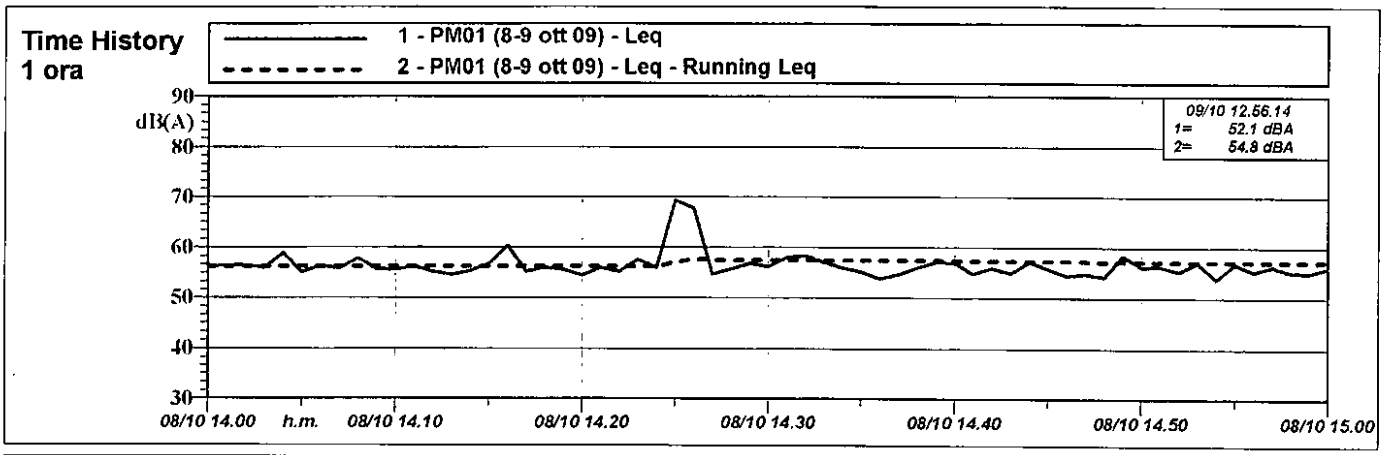


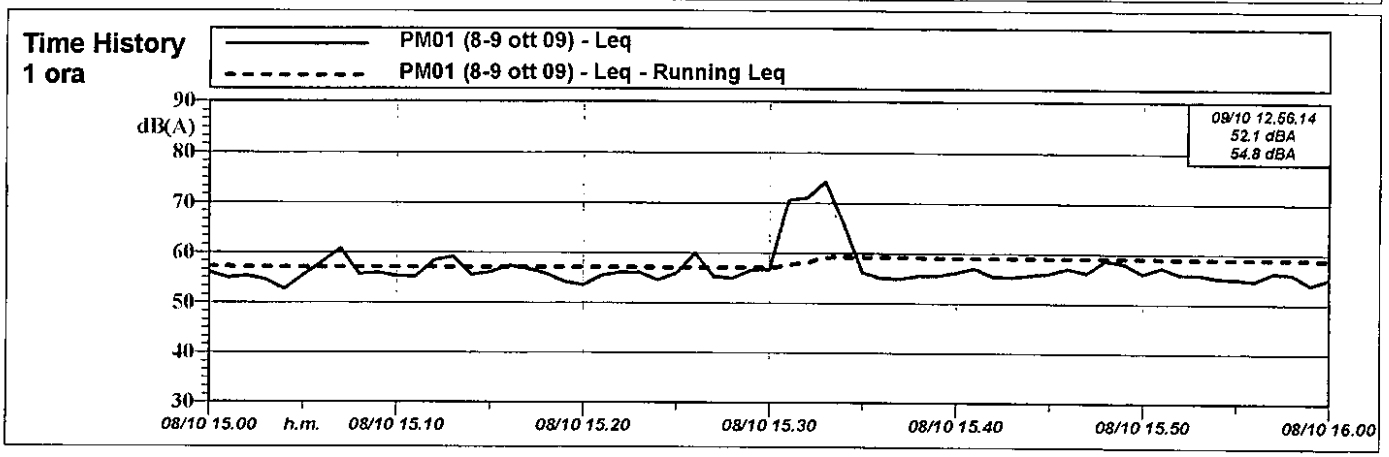


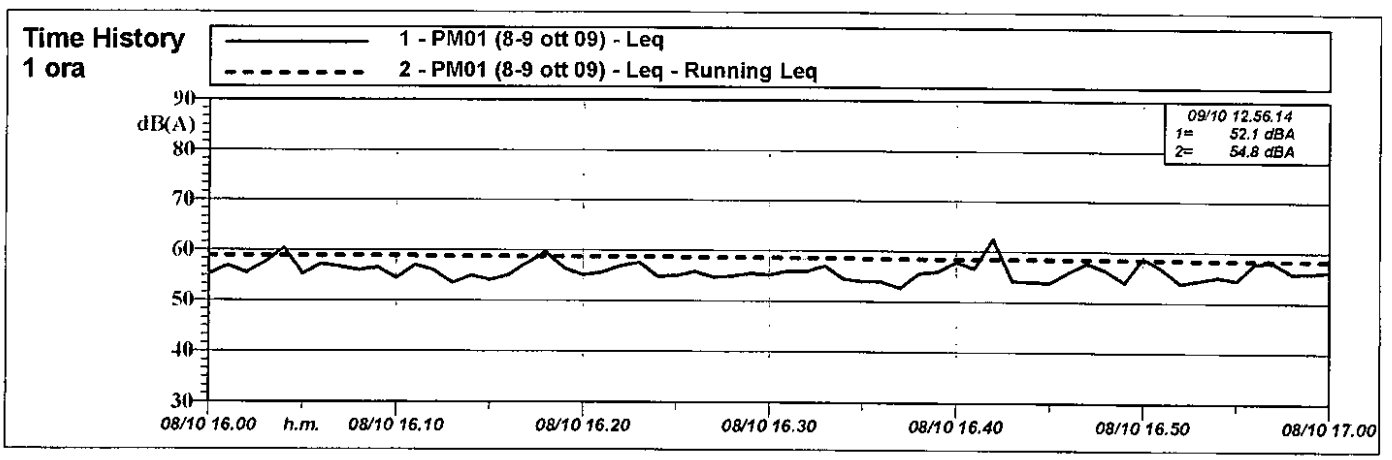





Time History
1 ora
1 - PM01 (8-9 ott 09) - Leq
2 - PM01 (8-9 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
09/10 12.56.14
1= 52.1 dBA
2= 54.8 dBA
08/10 13.00
h.m.
08/10 13.10
08/10 13.20
08/10 13.30
08/10 13.40
08/10 13.50
08/10 14.00


Time History
1 ora
1 - PM01 (8-9 ott 09) - Leq
2 - PM01 (8-9 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
09/10 12.56.14
1= 52.1 dBA
2= 54.8 dBA
08/10 14.00
h.m.
08/10 14.10
08/10 14.20
08/10 14.30
08/10 14.40
08/10 14.50
08/10 15.00


Time History
1 ora
PM01 (8-9 ott 09) - Leq
PM01 (8-9 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
09/10 12.56.14
52.1 dBA
54.8 dBA
08/10 15.00
h.m.
08/10 15.10
08/10 15.20
08/10 15.30
08/10 15.40
08/10 15.50
08/10 16.00


Time History
1 ora
1 - PM01 (8-9 ott 09) - Leq
2 - PM01 (8-9 ott 09) - Leq - Running Leq
dB(A)
90
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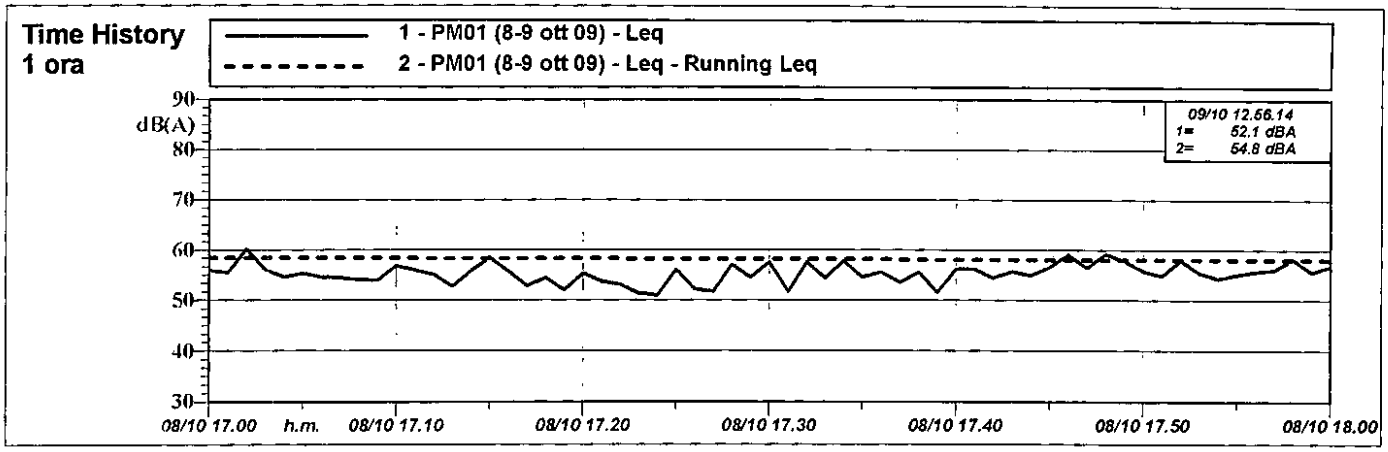
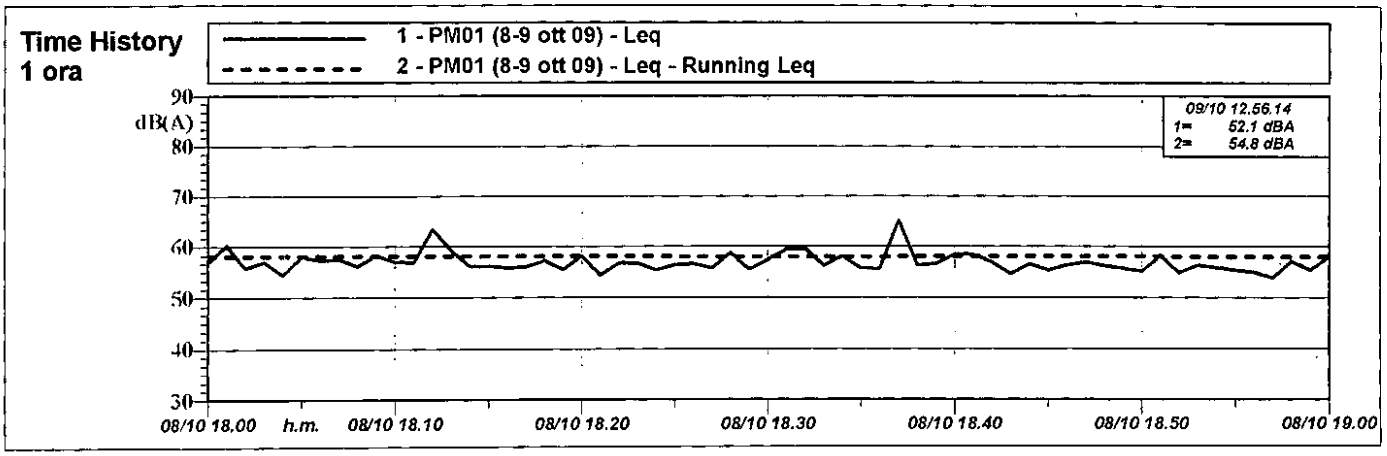
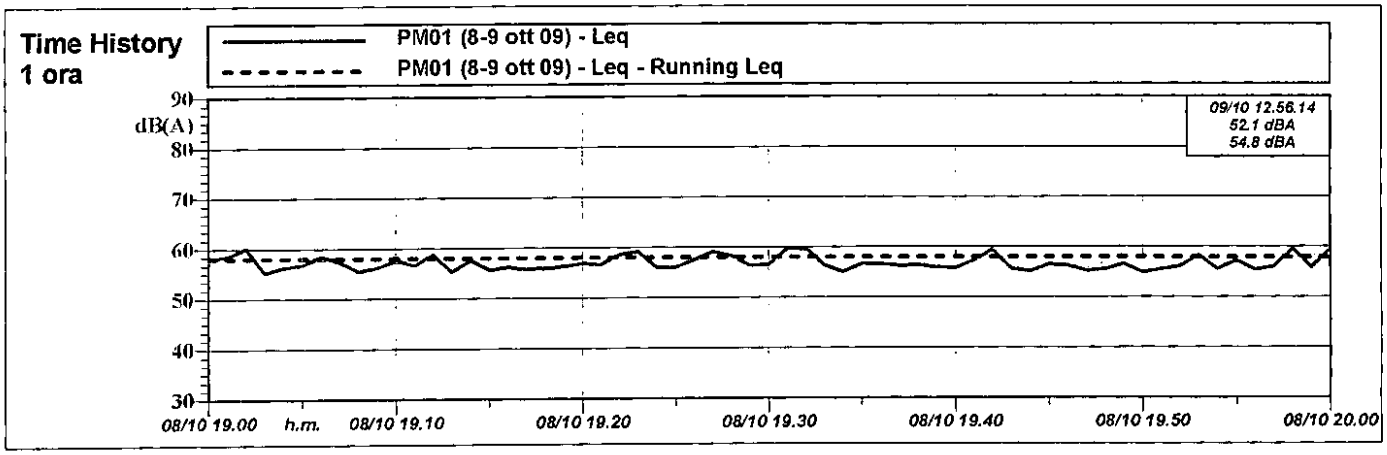
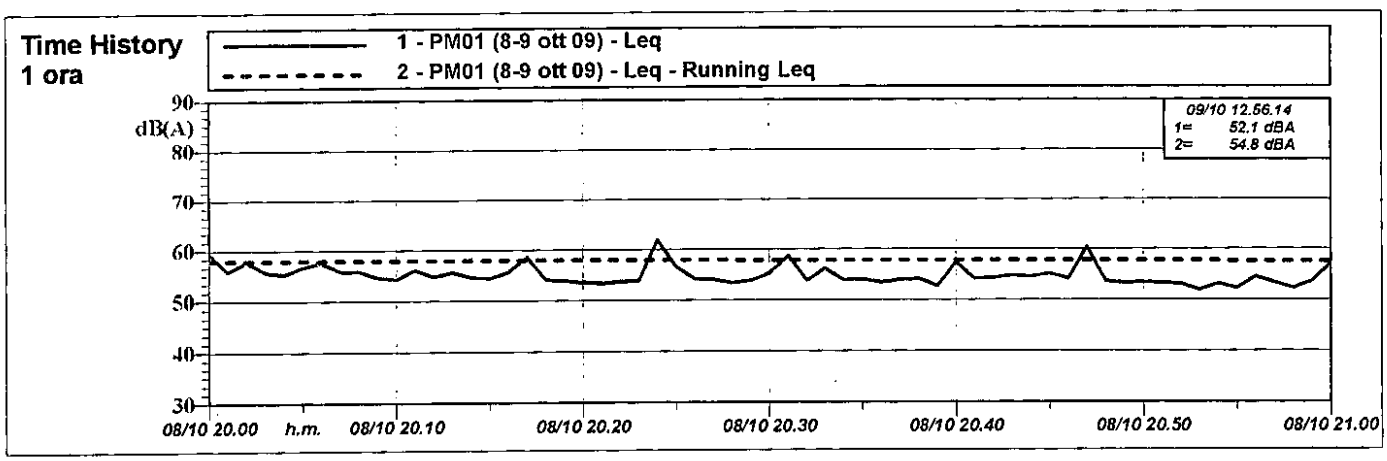
60
50
40
30
09/10 12.56.14
1= 52.1 dBA
2= 54.8 dBA
08/10 16.00
h.m.
08/10 16.10
08/10 16.20
08/10 16.30
08/10 16.40
08/10 16.50
08/10 17.00

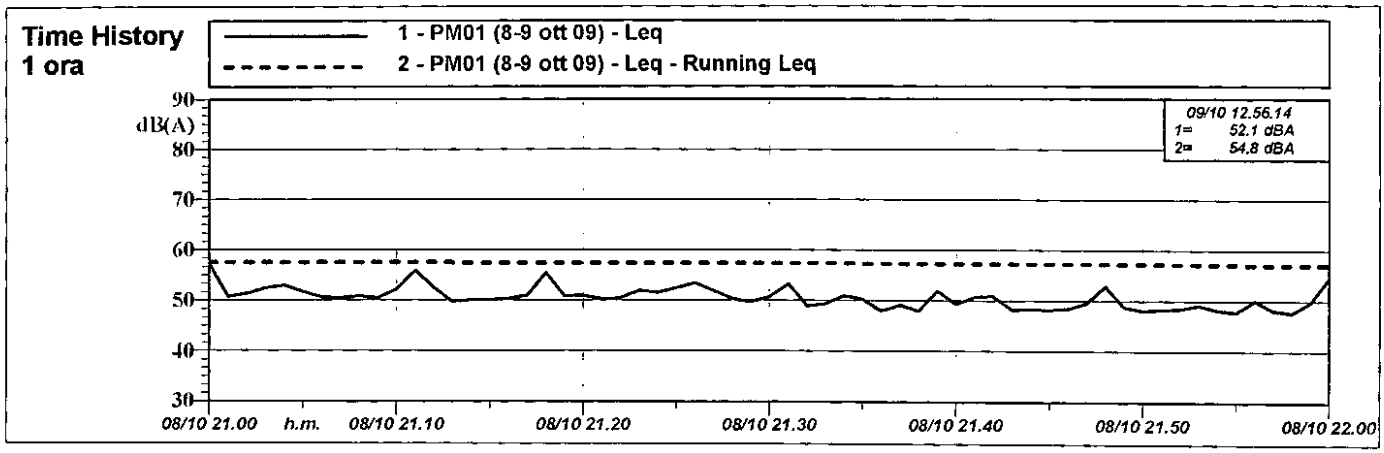
Progettazione Ambiente e Trasporti	CARATTERIZZAZIONE ACUSTICA
	Localizzazione punto di misura e sintesi del rilievo fonometrico

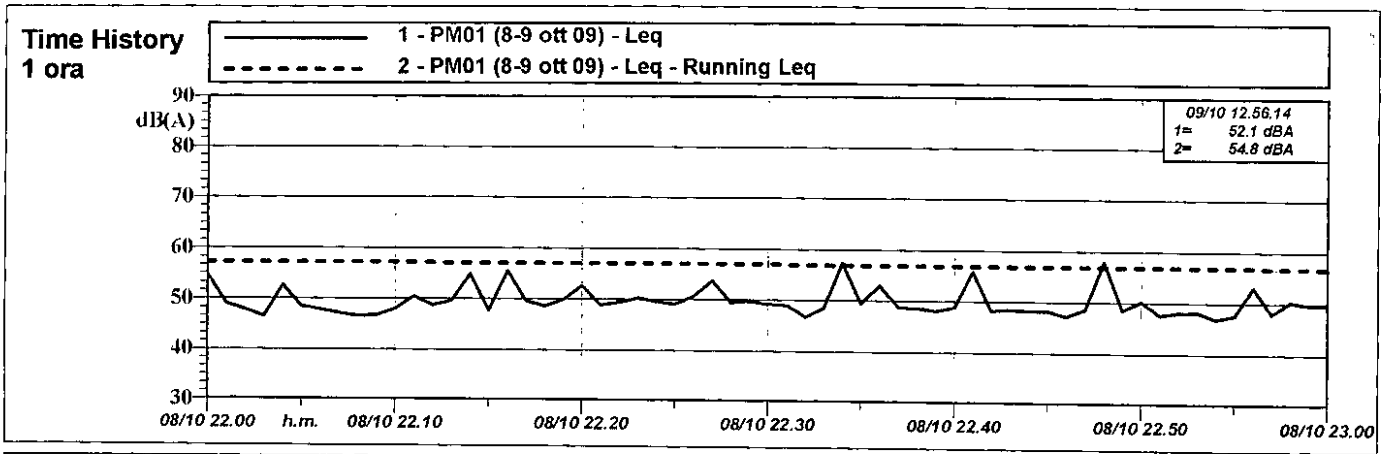









Time History
1 ora
1 - PM01 (8-9 ott 09) - Leq
2 - PM01 (8-9 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
09/10 12.56.14
1= 52.1 dBA
2= 54.8 dBA
08/10 21.00
h.m.
08/10 21.10
08/10 21.20
08/10 21.30
08/10 21.40
08/10 21.50
08/10 22.00


Time History
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1 - PM01 (8-9 ott 09) - Leq
2 - PM01 (8-9 ott 09) - Leq - Running Leq
dB(A)
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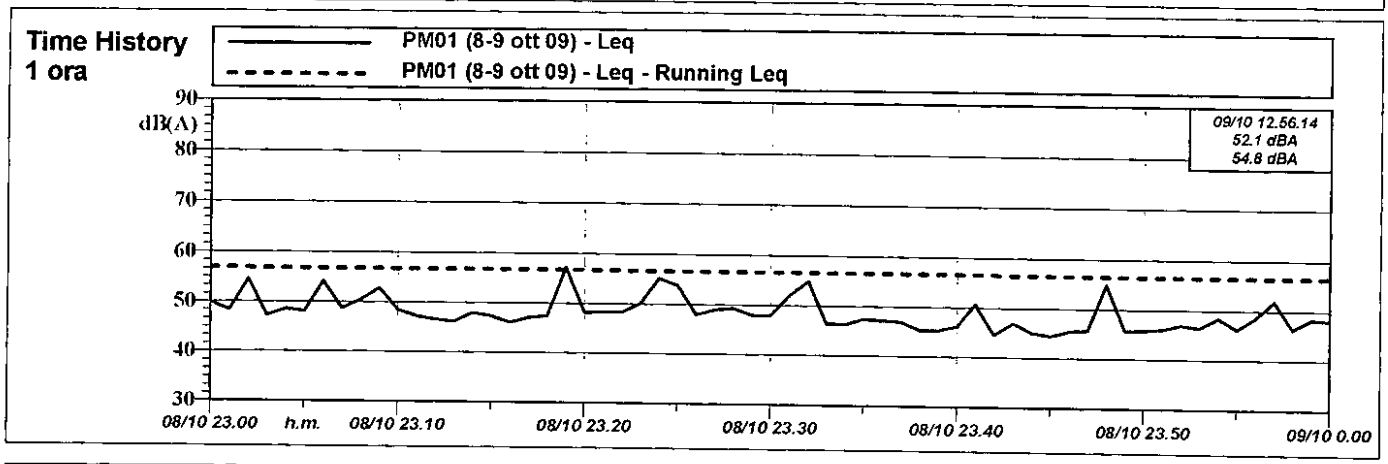
60
50
40
30
09/10 12.56.14
1= 52.1 dBA
2= 54.8 dBA
08/10 22.00
h.m.
08/10 22.10
08/10 22.20
08/10 22.30
08/10 22.40
08/10 22.50
08/10 23.00


Time History
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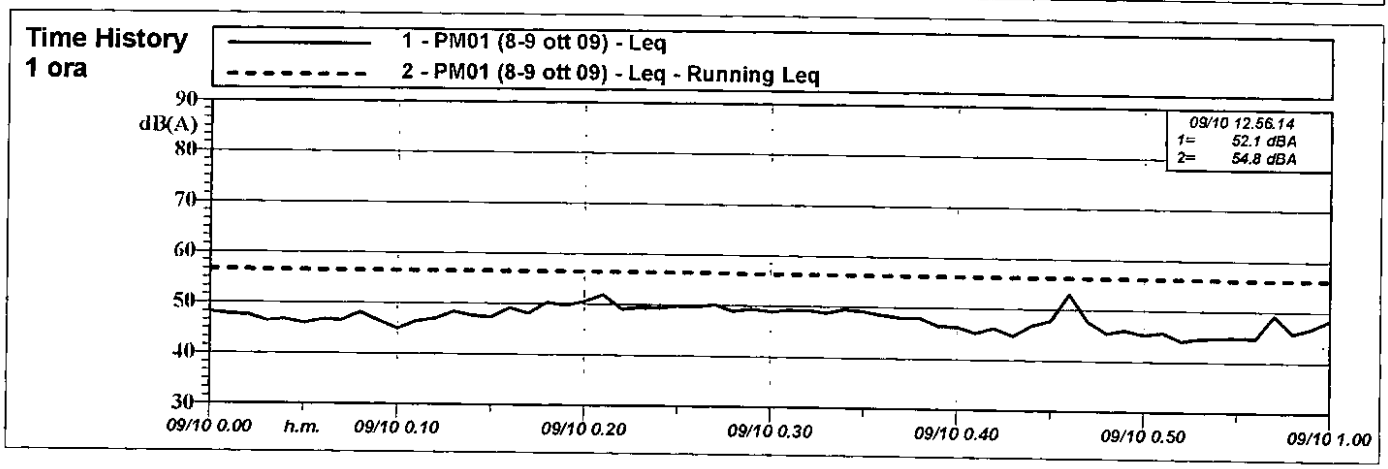
PM01 (8-9 ott 09) - Leq
PM01 (8-9 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
09/10 12.56.14
52.1 dBA
54.8 dBA
08/10 23.00
h.m.
08/10 23.10
08/10 23.20
08/10 23.30
08/10 23.40
08/10 23.50
09/10 0.00


Time History
1 ora
1 - PM01 (8-9 ott 09) - Leq
2 - PM01 (8-9 ott 09) - Leq - Running Leq
dB(A)
90
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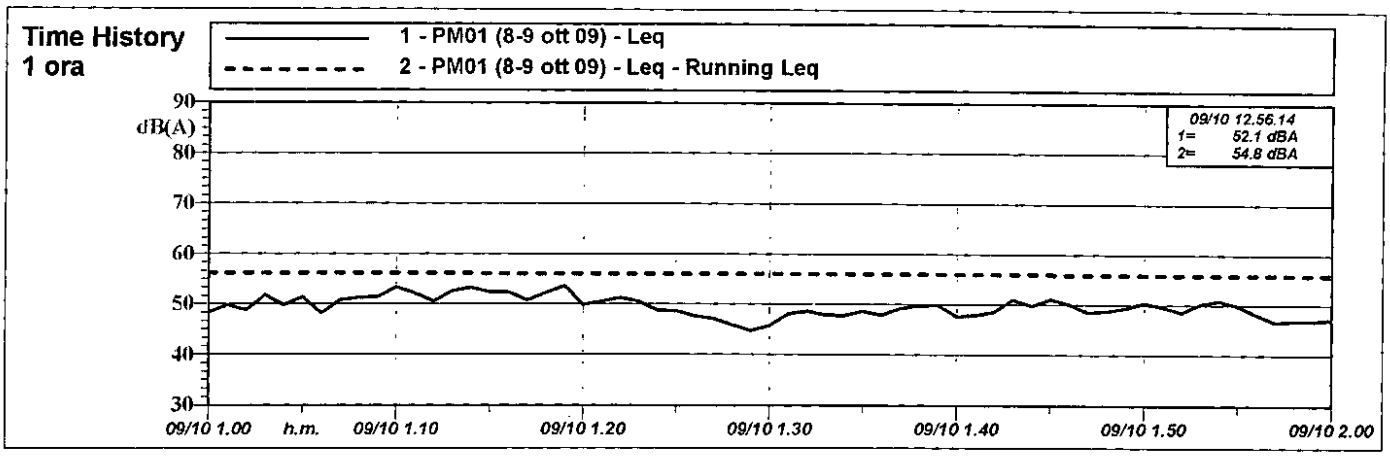
60
50
40
30
09/10 12.56.14
1= 52.1 dBA
2= 54.8 dBA
09/10 0.00
h.m.
09/10 0.10
09/10 0.20
09/10 0.30
09/10 0.40
09/10 0.50
09/10 1.00


Time History
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1 - PM01 (8-9 ott 09) - Leq
2 - PM01 (8-9 ott 09) - Leq - Running Leq
dB(A)
90
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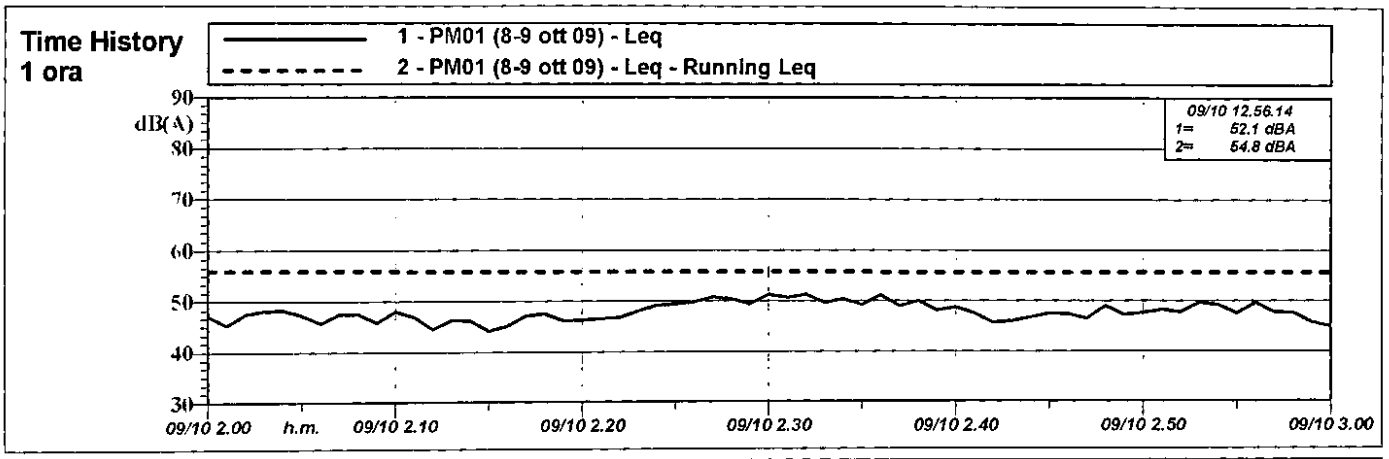
60
50
40
30
09/10 12.56.14
1= 52.1 dBA
2= 54.8 dBA
09/10 1.00
h.m.
09/10 1.10
09/10 1.20
09/10 1.30
09/10 1.40
09/10 1.50
09/10 2.00


Time History
1 ora
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2 - PM01 (8-9 ott 09) - Leq - Running Leq
dB(A)
90
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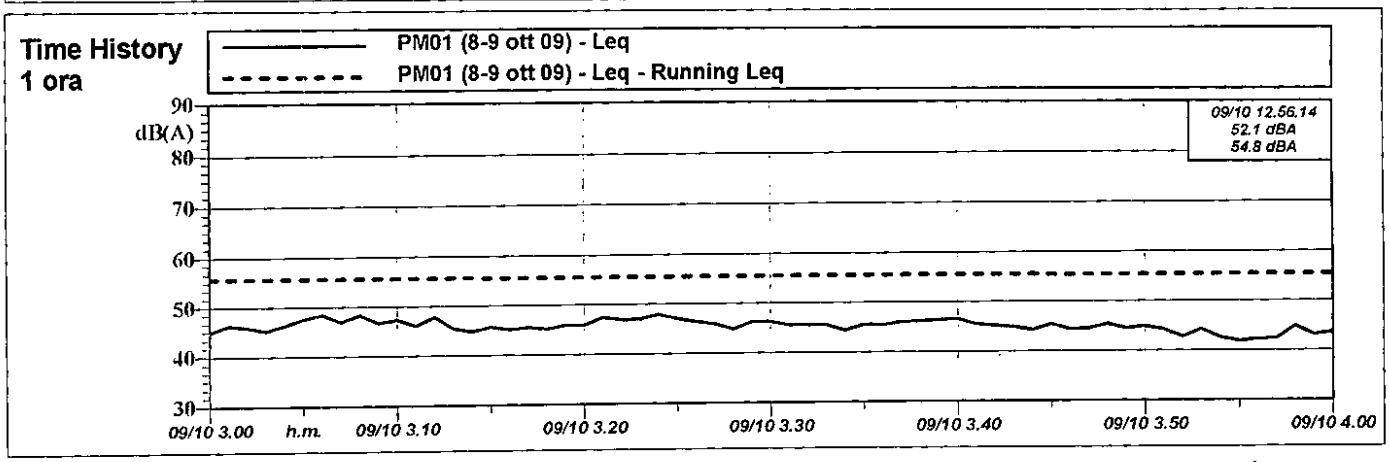
60
50
40
30
09/10 12.56.14
1= 52.1 dBA
2= 54.8 dBA
09/10 2.00
h.m.
09/10 2.10
09/10 2.20
09/10 2.30
09/10 2.40
09/10 2.50
09/10 3.00


Time History
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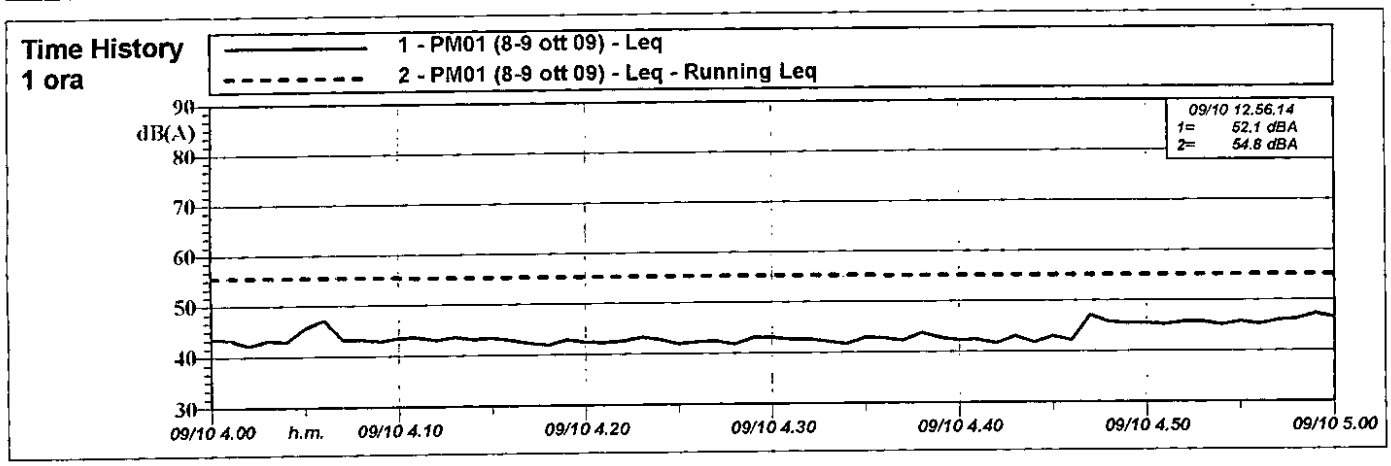
PM01 (8-9 ott 09) - Leq
PM01 (8-9 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
09/10 12.56.14
52.1 dBA
54.8 dBA
09/10 3.00
h.m.
09/10 3.10
09/10 3.20
09/10 3.30
09/10 3.40
09/10 3.50
09/10 4.00


Time History
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2 - PM01 (8-9 ott 09) - Leq - Running Leq
dB(A)
90
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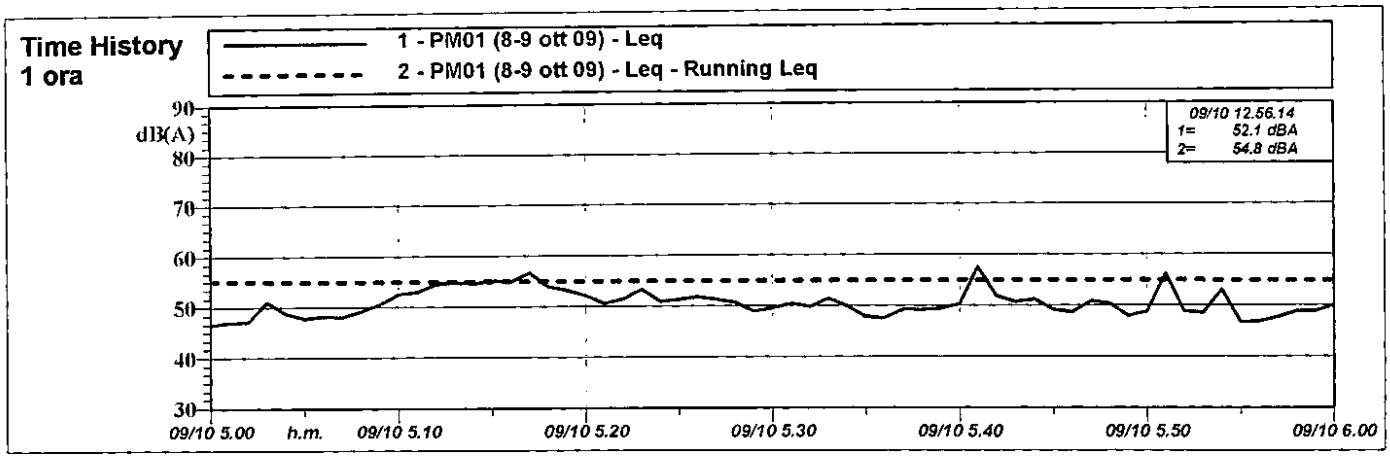
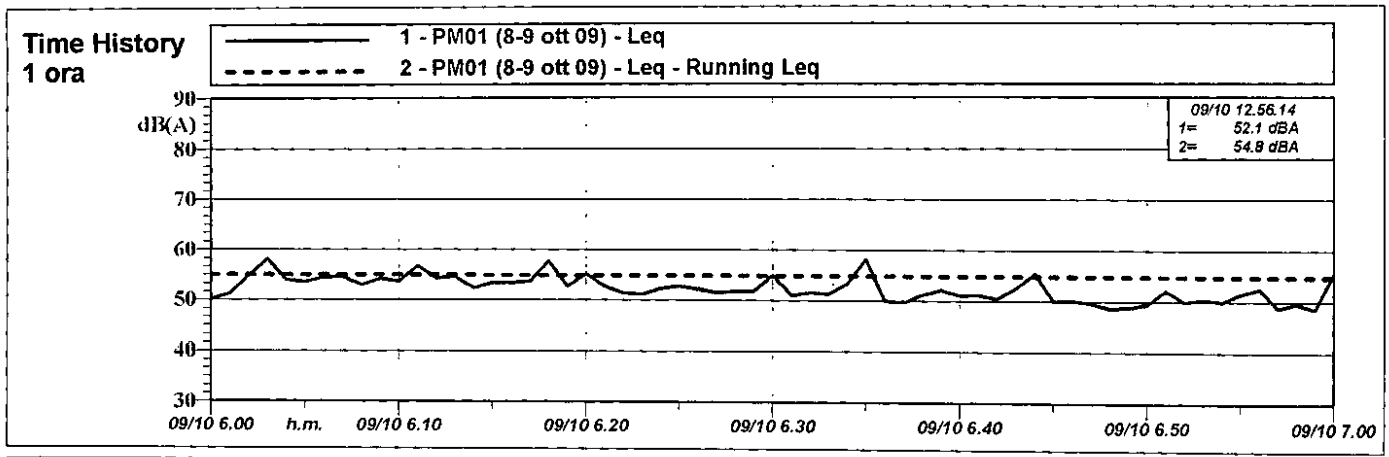
60
50
40
30
09/10 12.56.14
1= 52.1 dBA
2= 54.8 dBA
09/10 4.00
h.m.
09/10 4.10
09/10 4.20
09/10 4.30
09/10 4.40
09/10 4.50
09/10 5.00


Time History
1 ora
1 - PM01 (8-9 ott 09) - Leq
2 - PM01 (8-9 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
09/10 12.56.14
1= 52.1 dBA
2= 54.8 dBA
09/10 5.00
h.m.
09/10 5.10
09/10 5.20
09/10 5.30
09/10 5.40
09/10 5.50
09/10 6.00


Time History
1 ora
1 - PM01 (8-9 ott 09) - Leq
2 - PM01 (8-9 ott 09) - Leq - Running Leq
dB(A)
90
80
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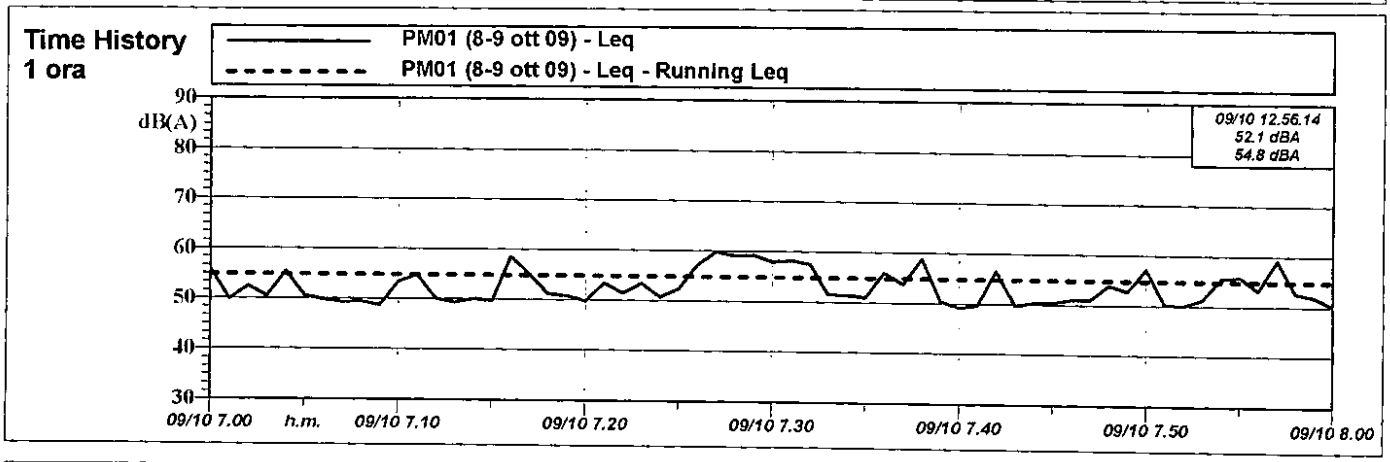
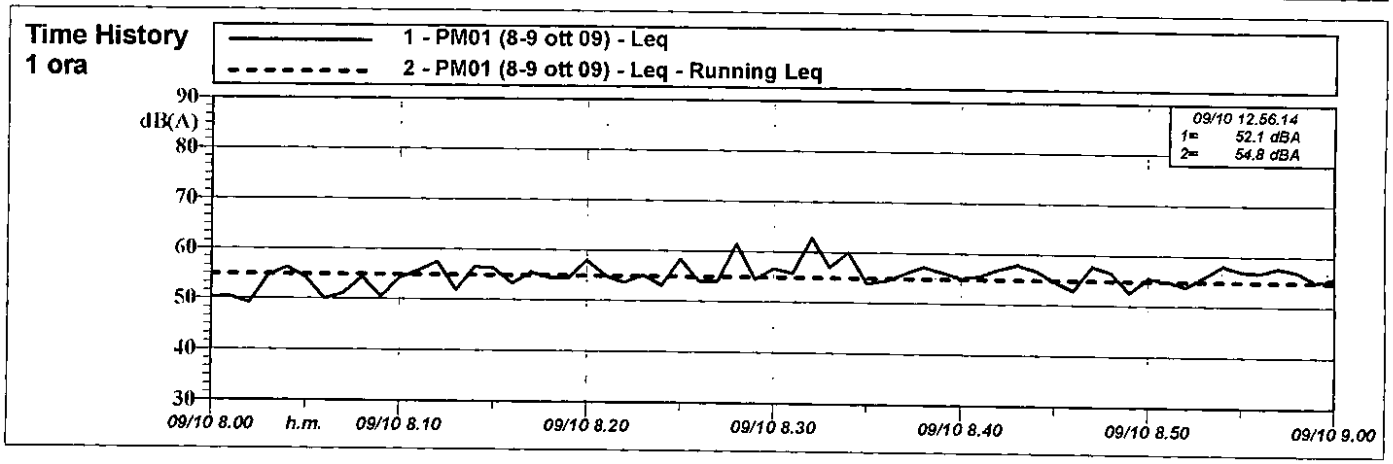
60
50
40
30
09/10 12.56.14
1= 52.1 dBA
2= 54.8 dBA
09/10 6.00
h.m.
09/10 6.10
09/10 6.20
09/10 6.30
09/10 6.40
09/10 6.50
09/10 7.00


Time History
1 ora
PM01 (8-9 ott 09) - Leq
PM01 (8-9 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
09/10 12.56.14
52.1 dBA
54.8 dBA
09/10 7.00
h.m.
09/10 7.10
09/10 7.20
09/10 7.30
09/10 7.40
09/10 7.50
09/10 8.00


Time History
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1 - PM01 (8-9 ott 09) - Leq
2 - PM01 (8-9 ott 09) - Leq - Running Leq
dB(A)
90
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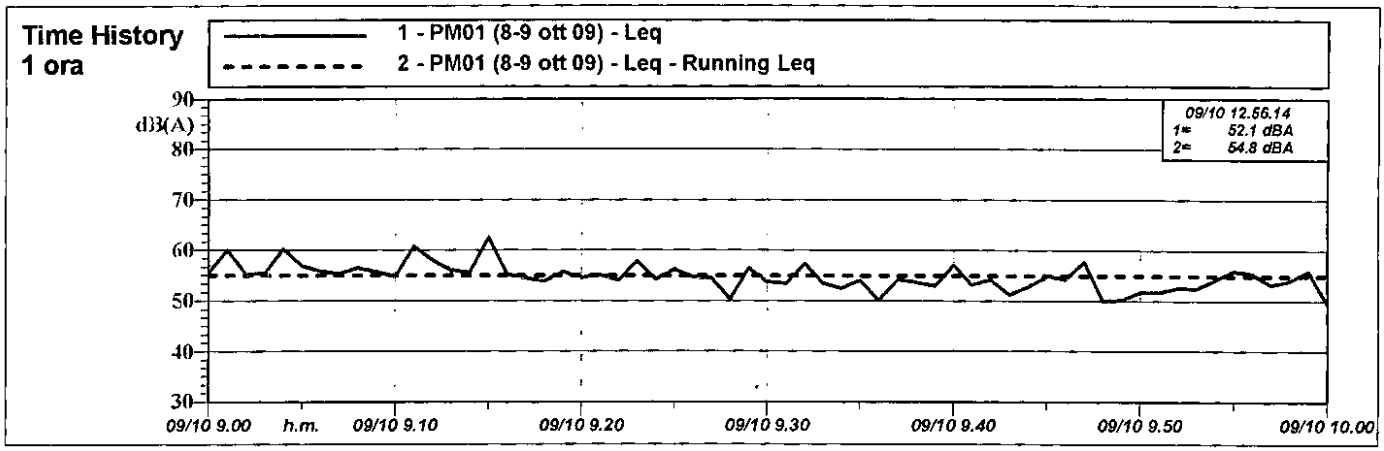
60
50
40
30
09/10 12.56.14
1= 52.1 dBA
2= 54.8 dBA
09/10 8.00
h.m.
09/10 8.10
09/10 8.20
09/10 8.30
09/10 8.40
09/10 8.50
09/10 9.00


Time History
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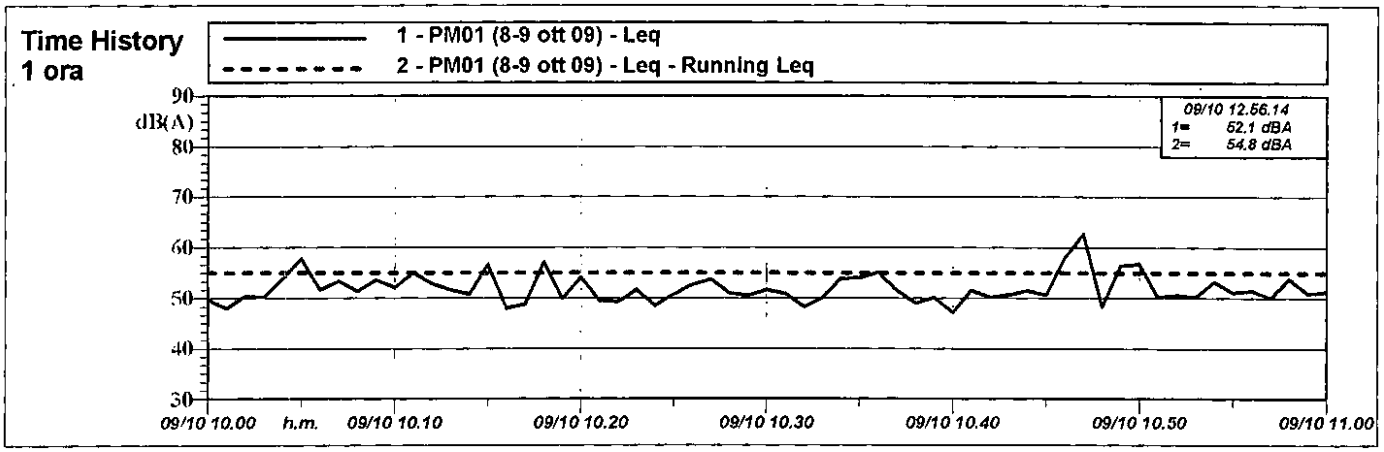
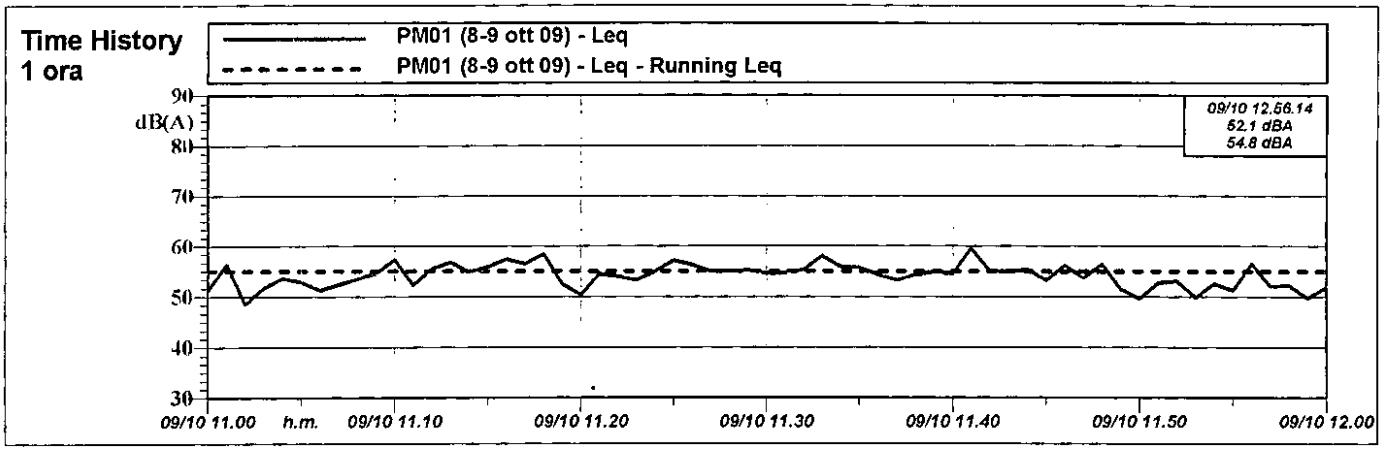
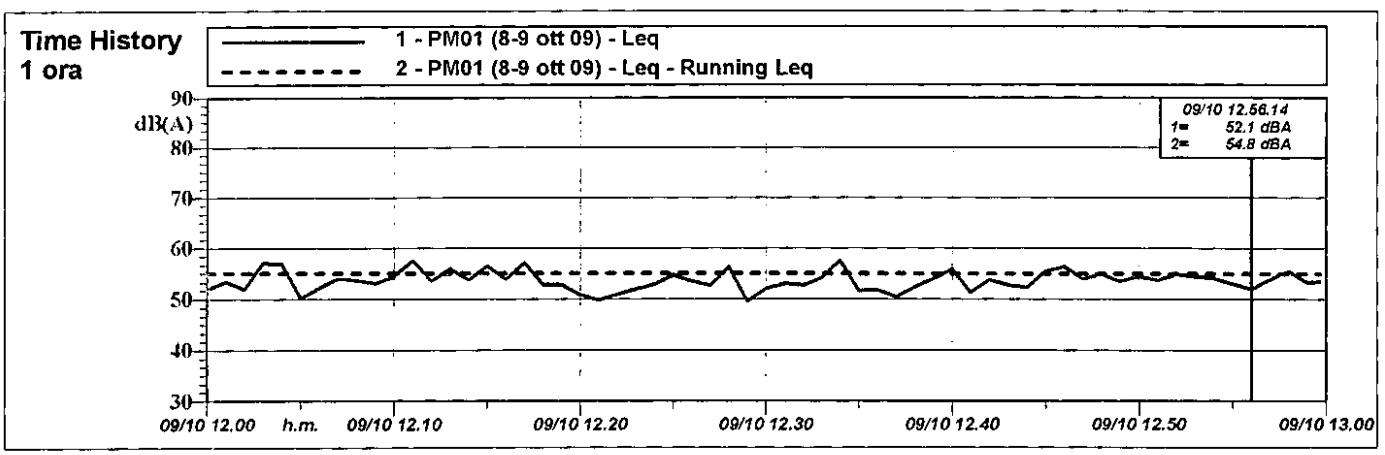
2 - PM01 (8-9 ott 09) - Leq - Running Leq
dB(A)
09/10 12.56.14
1= 52.1 dBA
2= 54.8 dBA
09/10 9.00
h.m.
09/10 9.10
09/10 9.20
09/10 9.30
09/10 9.40
09/10 9.50
09/10 10.00

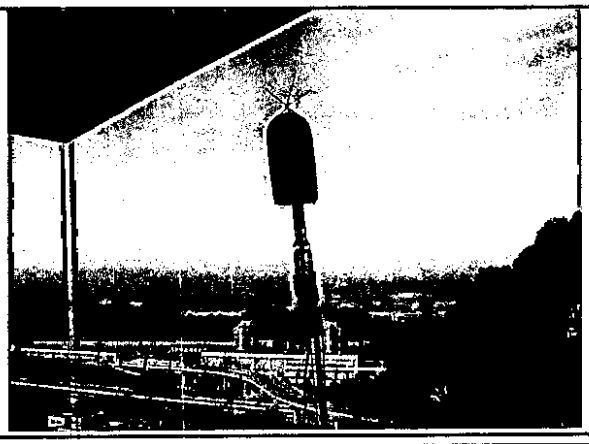

Time History
1 ora
1 - PM01 (8-9 ott 09) - Leq
2 - PM01 (8-9 ott 09) - Leq - Running Leq
dB(A)
09/10 12.56.14
1= 52.1 dBA
2= 54.8 dBA
09/10 10.00
h.m.
09/10 10.10
09/10 10.20
09/10 10.30
09/10 10.40
09/10 10.50
09/10 11.00

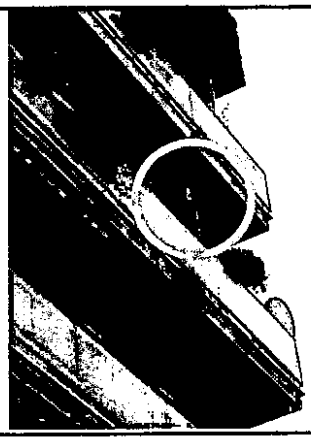

Time History
1 ora
PM01 (8-9 ott 09) - Leq
PM01 (8-9 ott 09) - Leq - Running Leq
dB(A)
09/10 12.56.14
52.1 dBA
54.8 dBA
09/10 11.00
h.m.
09/10 11.10
09/10 11.20
09/10 11.30
09/10 11.40
09/10 11.50
09/10 12.00


Time History
1 ora
1 - PM01 (8-9 ott 09) - Leq
2 - PM01 (8-9 ott 09) - Leq - Running Leq
dB(A)
09/10 12.56.14
1= 52.1 dBA
2= 54.8 dBA
09/10 12.00
h.m.
09/10 12.10
09/10 12.20
09/10 12.30
09/10 12.40
09/10 12.50
09/10 13.00

Progettazioni Ambiente e Trasporti	ACEA – IMPIANTO DI TOR DI VALLE Schede di rilevamento fonometrico

Tipo rilievo:	Monitoraggio acustico in ambiente esterno			**Punto di misura:**	**PM02**
Regione:	Lazio	**Provincia:**	Roma	**Comune:**	Roma
Localizzazione:	Via Fiume Giallo, 113 (Quartiere Torrino)			**Zonizzazione:**	
Descrizione:	Il punto di misura è situato al 4° piano del fabbricato e alla distanza pari a circa 320 m dall'impianto ACEA.				
Data inizio misura:	07/10/09	**Data fine misura:**	09/10/09	**Tecnico competente:**	Ing. Tiziana Bastianello Regione Lazio n. 270
Ora inizio misura:	13:00:00	**Ora fine misura:**	13:00:00		



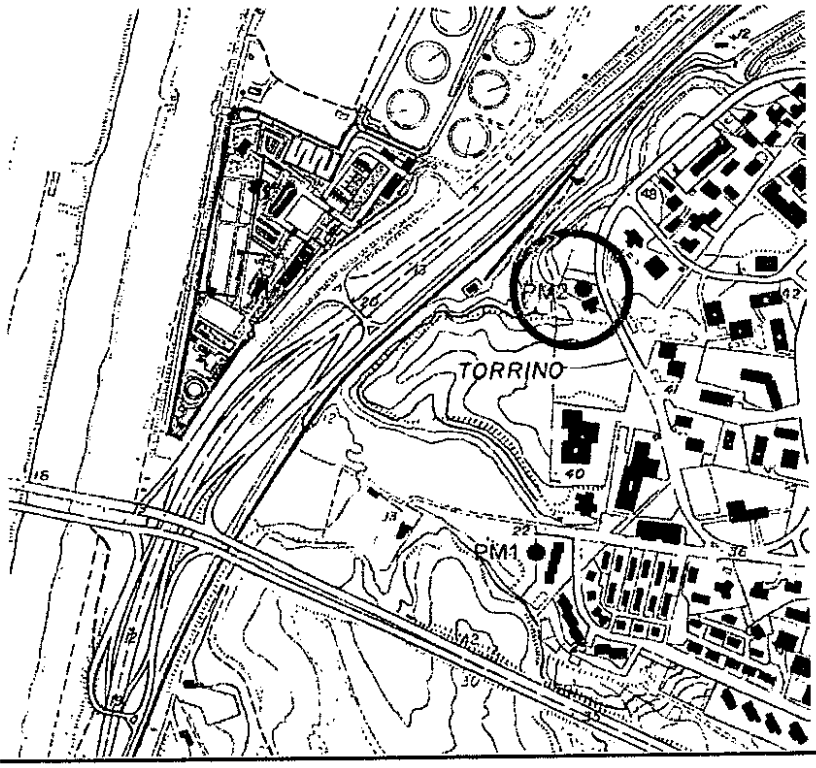


	SINTESI ELABORAZIONE ACUSTICA			
	Media impianto acceso		Media impianto spento	
	giorno	notte	giorno	notte
L_{Aeq}	59,5	54,6	61,1	54,2
L_{99}	53,5	51,0	52,1	50,0

SINTESI PARAMETRI METEO		
	Min	Max
Temperatura [°C]	13	22
Umidità [%]	50	80
Vento V [m/s]/ dir. [°]	< 1,5 / variabile	
Pioggia [mm]	assente	

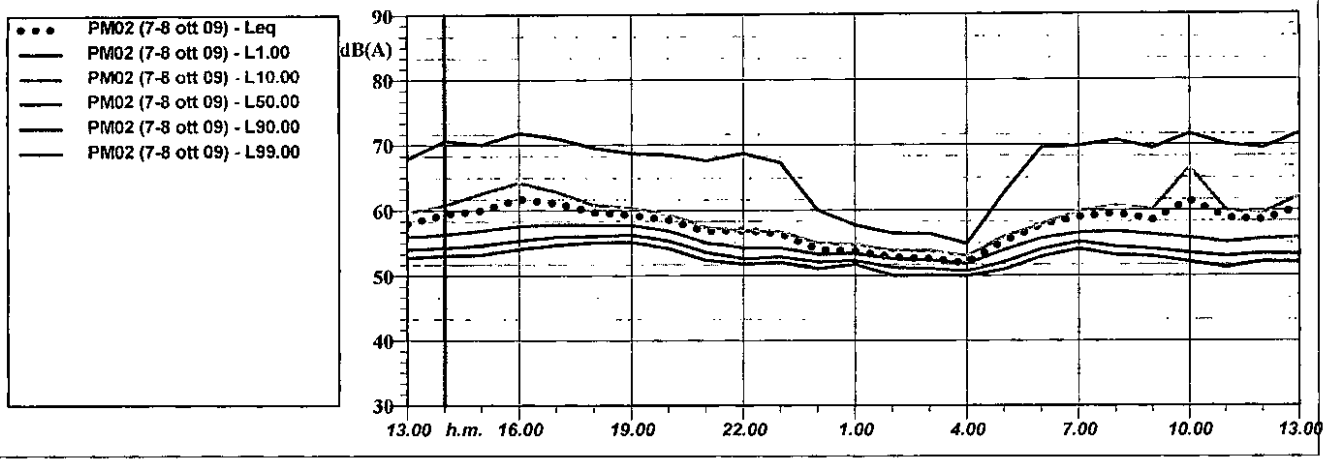
NOTE:	Il clima acustico è caratterizzato da un rumore continuo di sottofondo della centrale. Ulteriori sorgenti sono il GRA (570 m) e la linea ferroviaria e la adiacente via del Mare (160 m). La TurboGas 2 è in funzione fino alle 13.00 del 08/11.

UBICAZIONE PUNTO DI MISURA



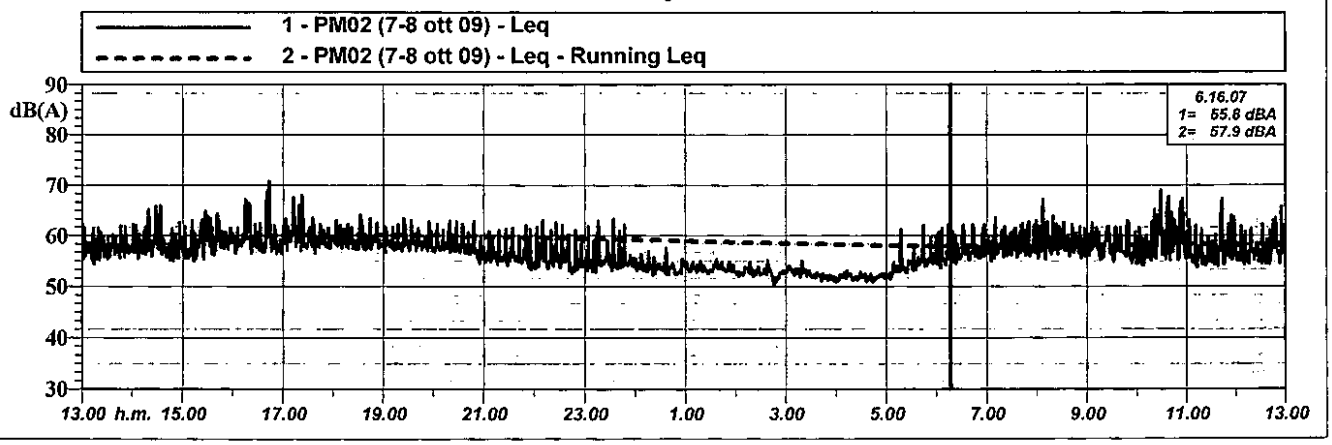
Stralcio planimetrico

Intervalli orari - Leq e dei Livelli percentili

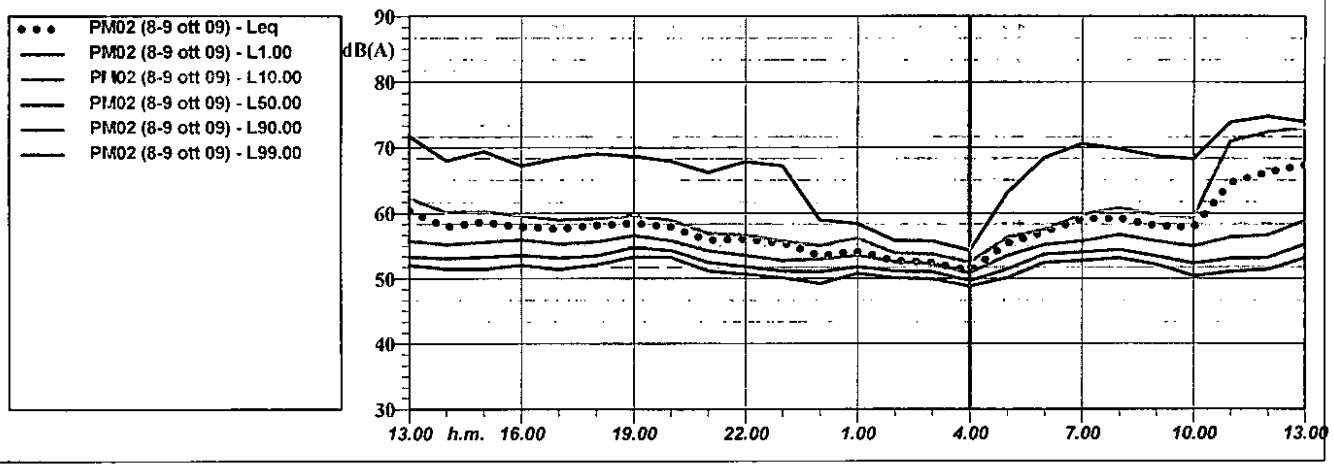


	LEQ	L1	L10	L50	L90	L99
13.00.00	58.0 dBA	68.0 dBA	59.8 dBA	56.0 dBA	54.0 dBA	52.8 dBA
14.00.00	59.4 dBA	70.6 dBA	60.9 dBA	56.3 dBA	54.3 dBA	53.1 dBA
15.00.00	60.0 dBA	70.1 dBA	62.7 dBA	56.9 dBA	54.6 dBA	53.3 dBA
16.00.00	61.8 dBA	71.9 dBA	64.3 dBA	57.6 dBA	55.4 dBA	54.1 dBA
17.00.00	61.1 dBA	71.1 dBA	62.9 dBA	57.8 dBA	55.9 dBA	54.7 dBA
18.00.00	59.7 dBA	69.6 dBA	60.9 dBA	57.7 dBA	56.1 dBA	55.1 dBA
19.00.00	59.3 dBA	68.7 dBA	60.4 dBA	57.7 dBA	56.2 dBA	55.1 dBA
20.00.00	58.5 dBA	68.5 dBA	59.4 dBA	56.8 dBA	55.3 dBA	54.2 dBA
21.00.00	56.8 dBA	67.6 dBA	57.4 dBA	55.0 dBA	53.6 dBA	52.4 dBA
22.00.00	57.0 dBA	68.8 dBA	56.9 dBA	54.3 dBA	52.6 dBA	51.8 dBA
23.00.00	56.4 dBA	67.3 dBA	56.7 dBA	54.2 dBA	52.9 dBA	52.0 dBA
0.00.00	54.0 dBA	60.1 dBA	55.0 dBA	53.3 dBA	52.1 dBA	51.1 dBA
1.00.00	53.7 dBA	57.8 dBA	54.8 dBA	53.4 dBA	52.3 dBA	51.7 dBA
2.00.00	52.8 dBA	56.5 dBA	53.9 dBA	52.6 dBA	51.3 dBA	50.1 dBA
3.00.00	52.6 dBA	56.5 dBA	53.8 dBA	52.3 dBA	51.1 dBA	50.1 dBA
4.00.00	52.0 dBA	54.9 dBA	53.0 dBA	51.8 dBA	50.7 dBA	50.0 dBA
5.00.00	55.2 dBA	62.7 dBA	56.0 dBA	53.9 dBA	52.1 dBA	51.0 dBA
6.00.00	57.8 dBA	69.6 dBA	57.9 dBA	55.7 dBA	54.0 dBA	52.9 dBA
7.00.00	59.0 dBA	69.8 dBA	60.0 dBA	56.6 dBA	55.1 dBA	54.1 dBA
8.00.00	59.5 dBA	70.7 dBA	60.7 dBA	56.7 dBA	54.4 dBA	53.2 dBA
9.00.00	58.6 dBA	69.5 dBA	60.2 dBA	56.3 dBA	54.0 dBA	53.0 dBA
10.00.00	61.5 dBA	71.7 dBA	66.6 dBA	55.8 dBA	53.5 dBA	52.1 dBA
11.00.00	58.9 dBA	70.1 dBA	60.0 dBA	55.1 dBA	53.0 dBA	51.4 dBA
12.00.00	58.6 dBA	69.5 dBA	59.6 dBA	55.6 dBA	53.4 dBA	52.1 dBA

Time History - Periodo misura

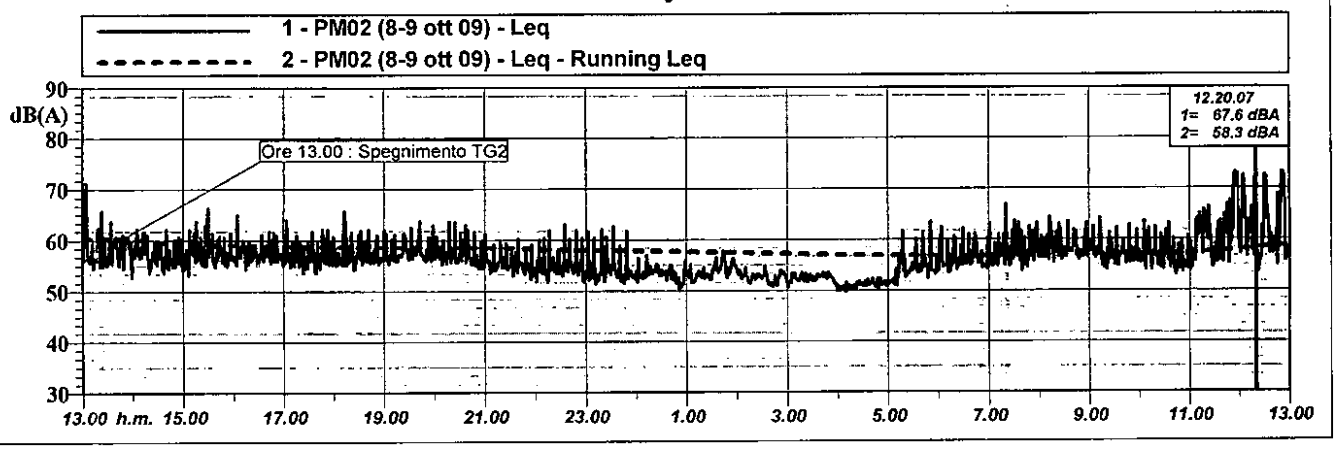


Intervalli orari - Leq e dei Livelli percentili

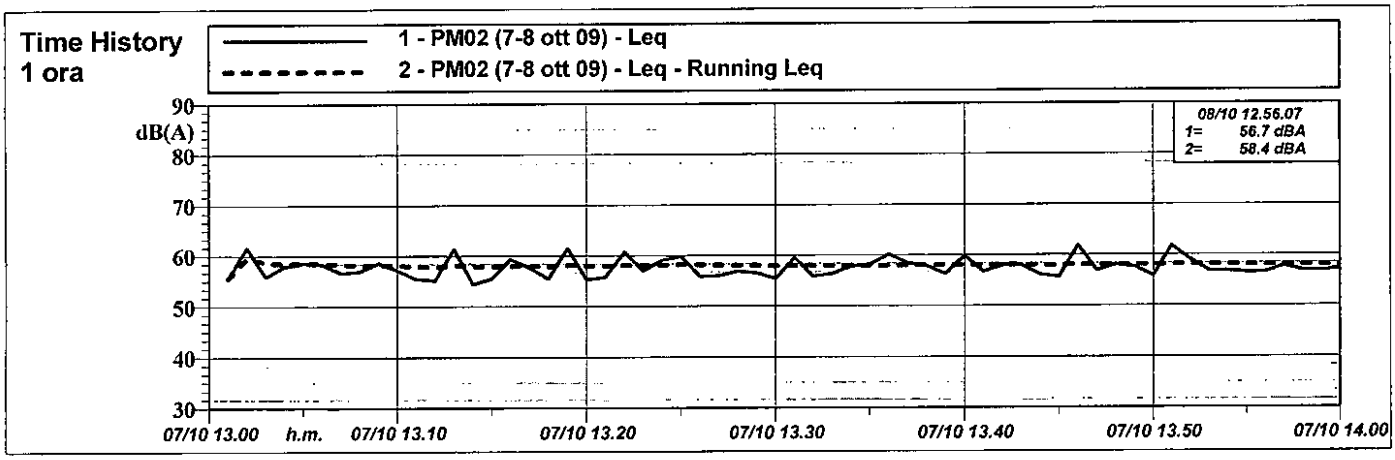


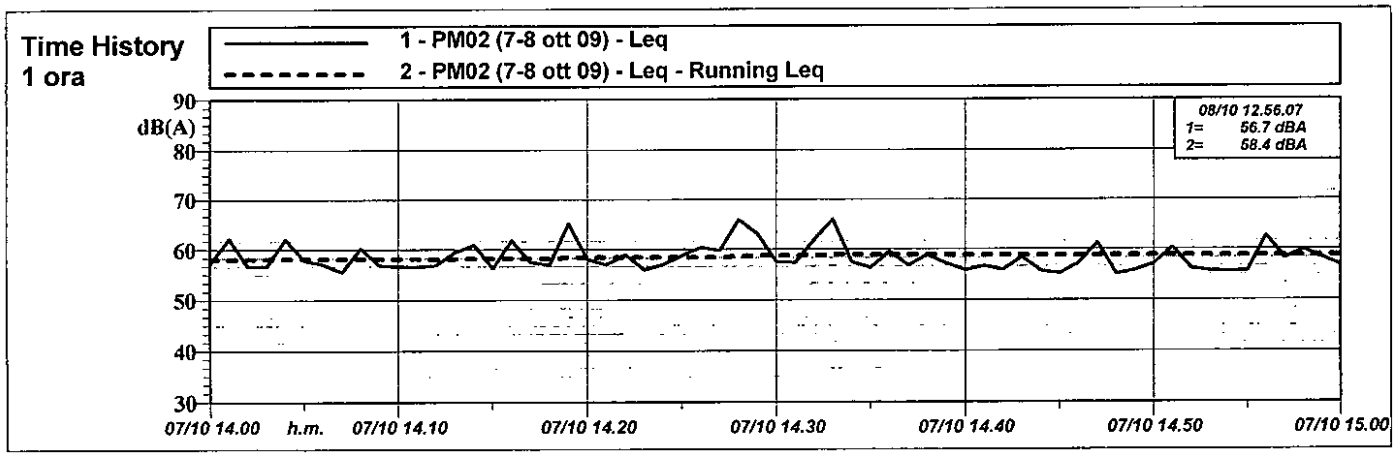
	LEQ	L1	L10	L50	L90	L99
13.00.00	60.4 dBA	71.7 dBA	62.2 dBA	55.8 dBA	53.3 dBA	52.1 dBA
14.00.00	58.0 dBA	68.0 dBA	60.1 dBA	55.3 dBA	53.1 dBA	51.5 dBA
15.00.00	58.7 dBA	69.4 dBA	60.3 dBA	55.6 dBA	53.2 dBA	51.4 dBA
16.00.00	57.9 dBA	67.2 dBA	59.6 dBA	56.0 dBA	53.5 dBA	52.0 dBA
17.00.00	57.7 dBA	68.4 dBA	59.0 dBA	55.4 dBA	53.1 dBA	51.4 dBA
18.00.00	58.2 dBA	69.1 dBA	59.1 dBA	55.6 dBA	53.5 dBA	52.1 dBA
19.00.00	58.5 dBA	68.6 dBA	59.6 dBA	56.6 dBA	54.7 dBA	53.3 dBA
20.00.00	58.0 dBA	67.9 dBA	59.0 dBA	55.9 dBA	54.3 dBA	53.2 dBA
21.00.00	55.9 dBA	66.2 dBA	57.0 dBA	54.3 dBA	52.5 dBA	51.2 dBA
22.00.00	56.1 dBA	67.9 dBA	56.7 dBA	53.6 dBA	51.8 dBA	50.7 dBA
23.00.00	55.5 dBA	67.2 dBA	55.8 dBA	52.8 dBA	51.1 dBA	50.1 dBA
0.00.00	53.5 dBA	59.0 dBA	55.1 dBA	53.0 dBA	51.0 dBA	49.2 dBA
1.00.00	54.2 dBA	58.5 dBA	56.2 dBA	53.6 dBA	51.8 dBA	50.8 dBA
2.00.00	52.8 dBA	55.9 dBA	53.9 dBA	52.6 dBA	51.1 dBA	50.1 dBA
3.00.00	52.5 dBA	55.8 dBA	53.7 dBA	52.3 dBA	51.0 dBA	49.9 dBA
4.00.00	51.1 dBA	54.3 dBA	52.5 dBA	50.9 dBA	49.6 dBA	48.8 dBA
5.00.00	55.4 dBA	63.1 dBA	56.3 dBA	53.5 dBA	51.4 dBA	50.2 dBA
6.00.00	57.2 dBA	68.4 dBA	57.5 dBA	55.2 dBA	53.7 dBA	52.4 dBA
7.00.00	59.1 dBA	70.6 dBA	59.8 dBA	55.7 dBA	54.0 dBA	52.7 dBA
8.00.00	59.2 dBA	69.8 dBA	60.8 dBA	56.7 dBA	54.4 dBA	53.1 dBA
9.00.00	58.1 dBA	68.6 dBA	59.7 dBA	55.8 dBA	53.4 dBA	52.1 dBA
10.00.00	57.8 dBA	68.3 dBA	59.4 dBA	55.0 dBA	52.3 dBA	50.4 dBA
11.00.00	64.6 dBA	73.8 dBA	70.9 dBA	56.3 dBA	53.0 dBA	51.1 dBA
12.00.00	66.2 dBA	74.8 dBA	72.4 dBA	56.7 dBA	53.1 dBA	51.3 dBA

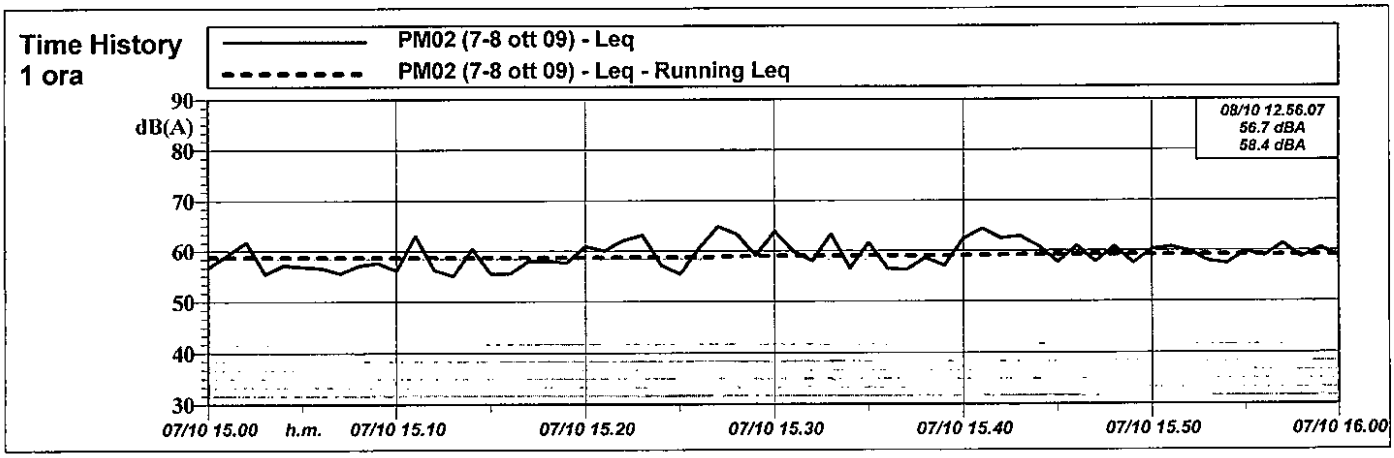
Time History - Periodo misura

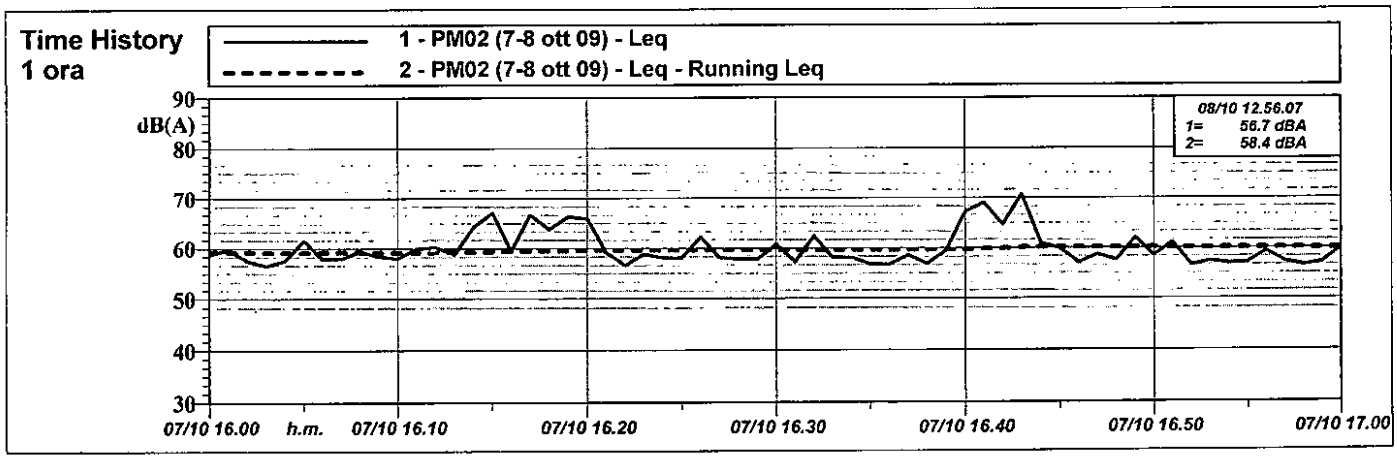


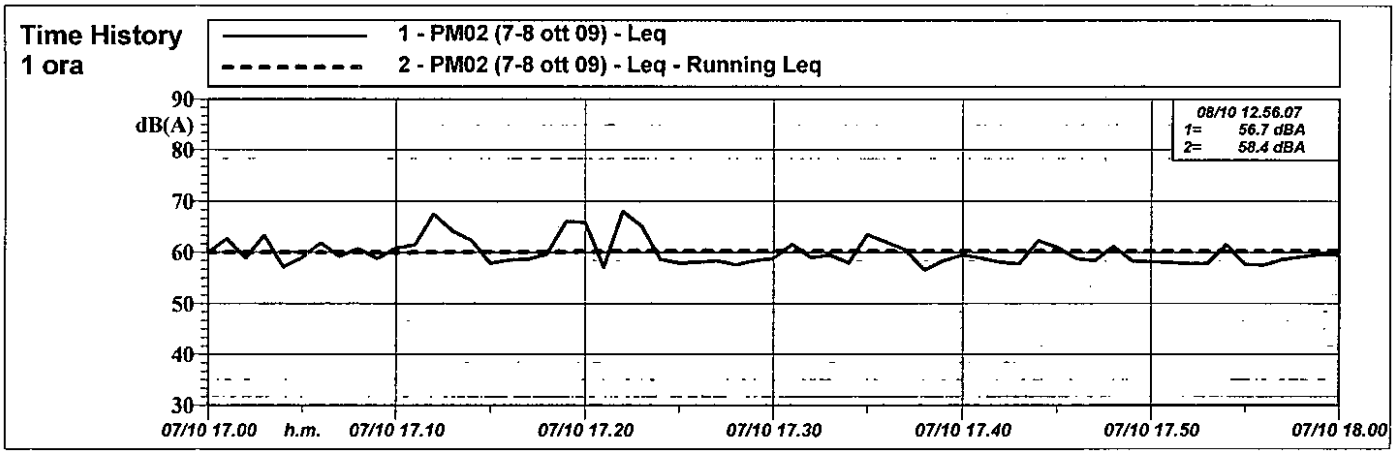
Progettazione Ambientale e Trasporti	CARATTERIZZAZIONE ACUSTICA Localizzazione punto di misura e sintesi del rilievo fonometrico

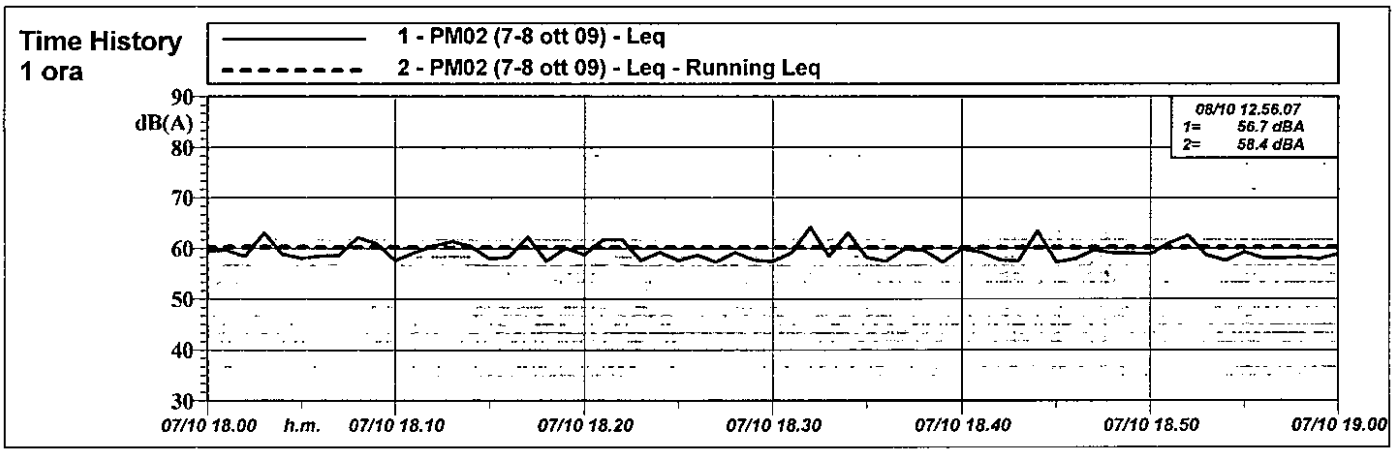


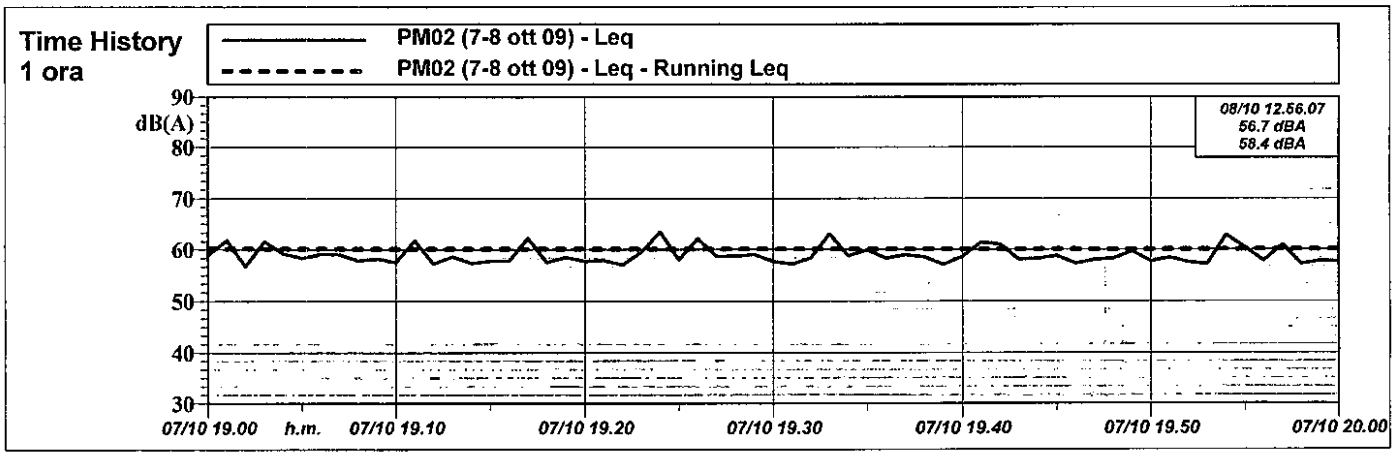


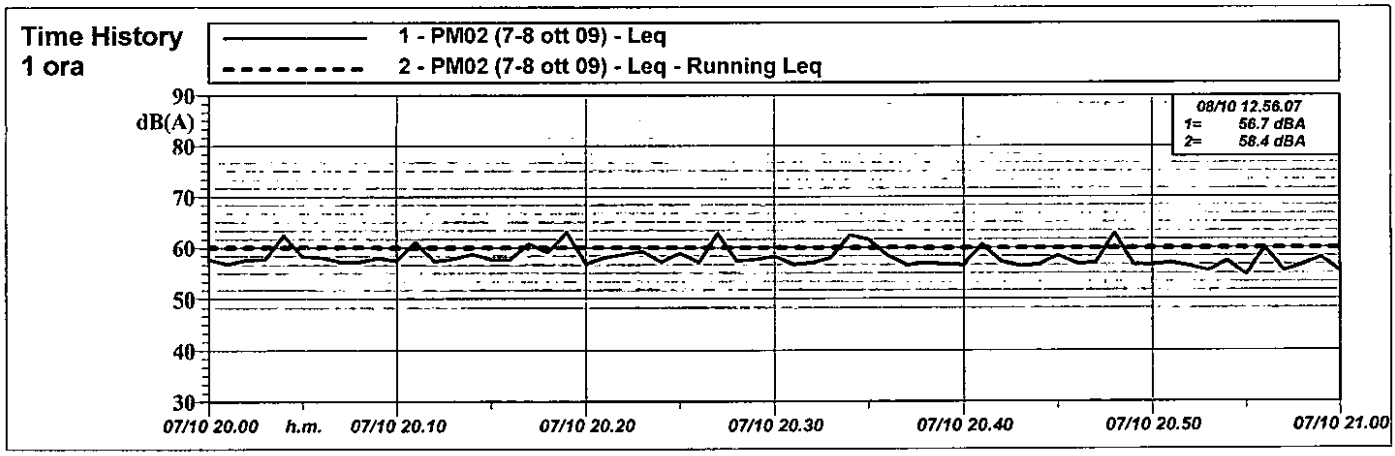


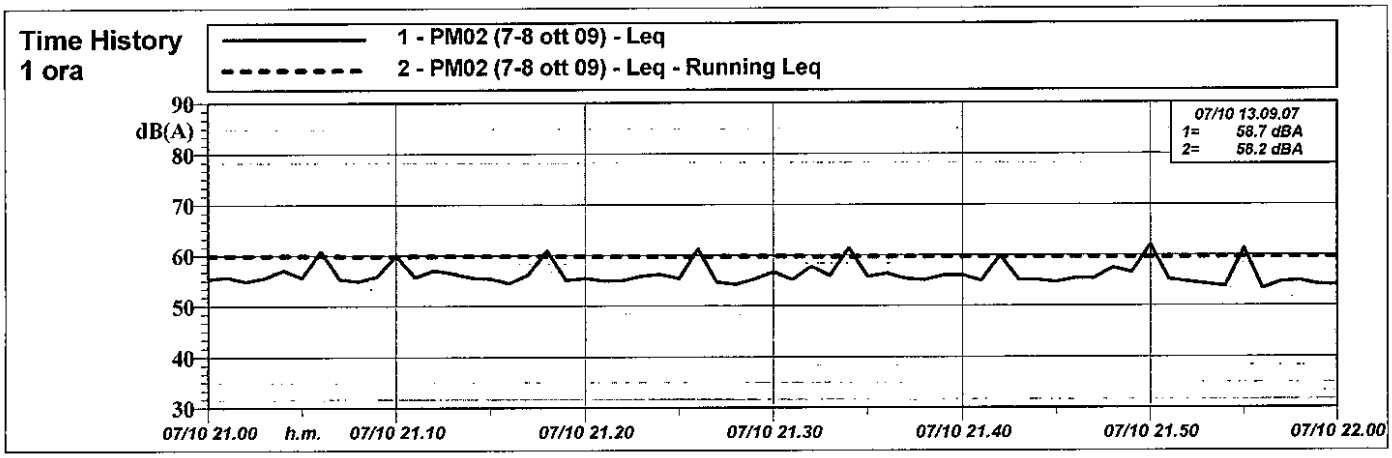


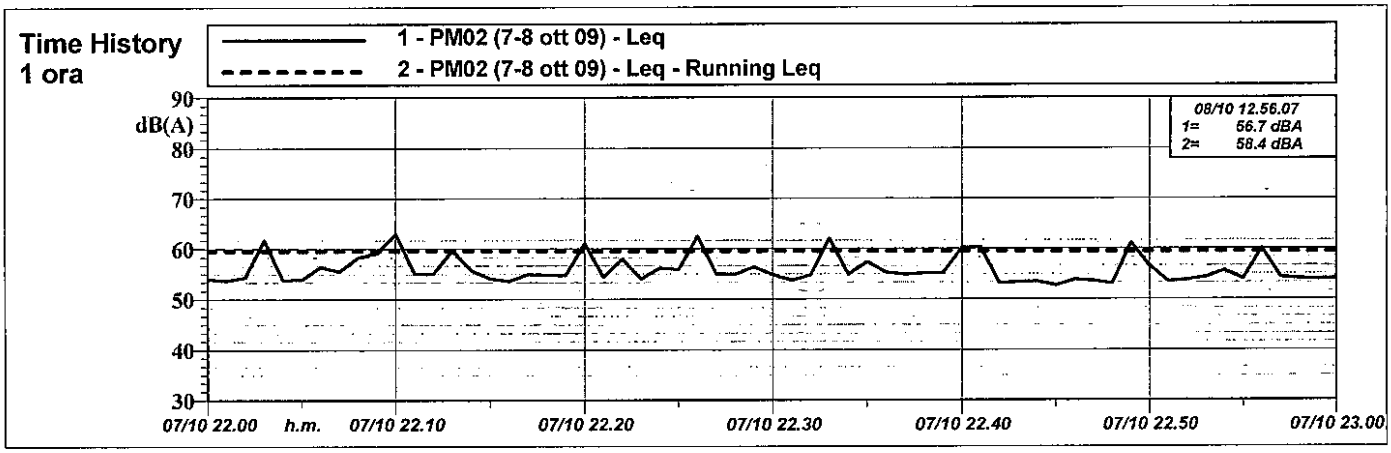

Time History
1 ora
1 - PM02 (7-8 ott 09) - Leq
2 - PM02 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.07
1= 56.7 dBA
2= 58.4 dBA
07/10 17.00
h.m.
07/10 17.10
07/10 17.20
07/10 17.30
07/10 17.40
07/10 17.50
07/10 18.00

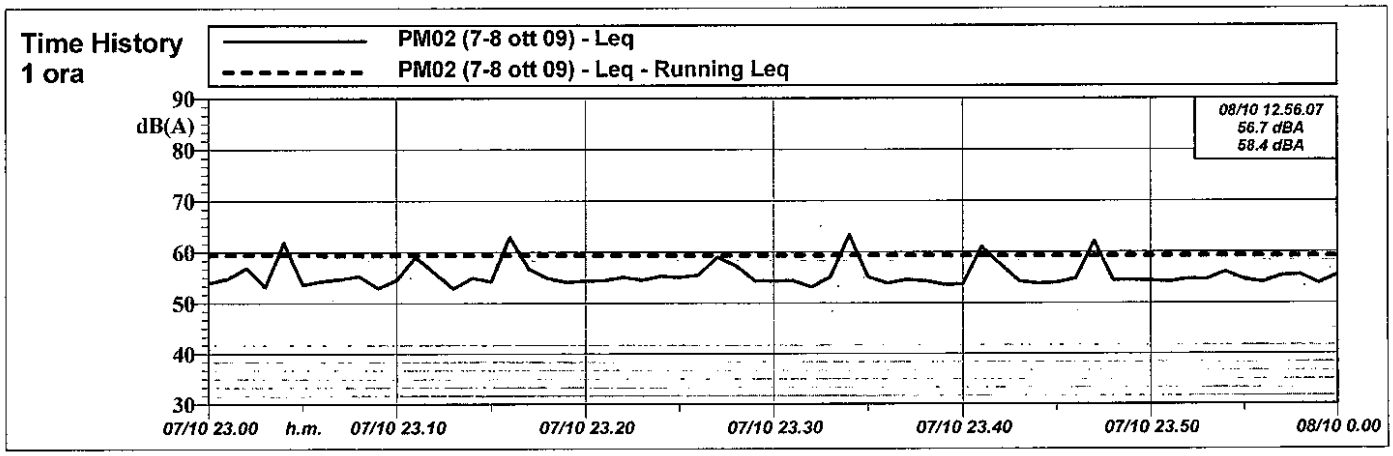

Time History
1 ora
1 - PM02 (7-8 ott 09) - Leq
2 - PM02 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.07
1= 56.7 dBA
2= 58.4 dBA
07/10 18.00
h.m.
07/10 18.10
07/10 18.20
07/10 18.30
07/10 18.40
07/10 18.50
07/10 19.00

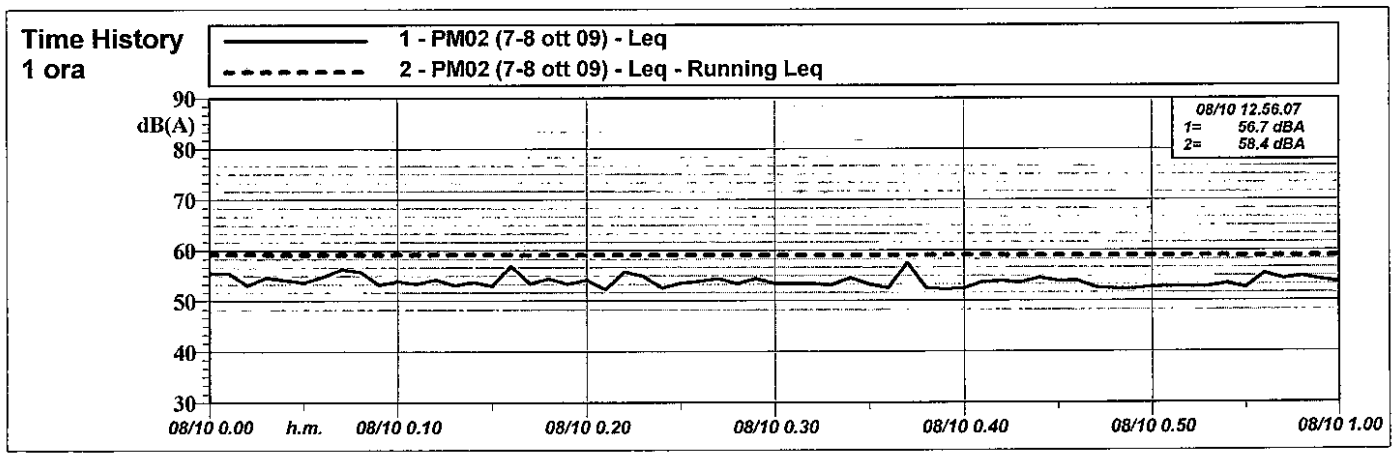

Time History
1 ora
PM02 (7-8 ott 09) - Leq
PM02 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.07
56.7 dBA
58.4 dBA
07/10 19.00
h.m.
07/10 19.10
07/10 19.20
07/10 19.30
07/10 19.40
07/10 19.50
07/10 20.00

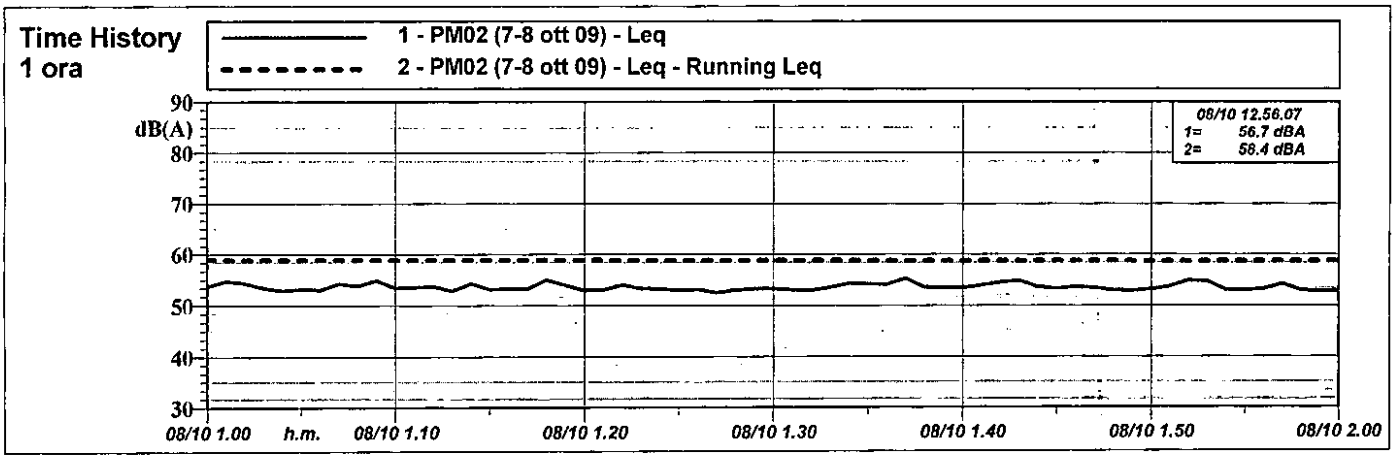

Time History
1 ora
1 - PM02 (7-8 ott 09) - Leq
2 - PM02 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.07
1= 56.7 dBA
2= 58.4 dBA
07/10 20.00
h.m.
07/10 20.10
07/10 20.20
07/10 20.30
07/10 20.40
07/10 20.50
07/10 21.00

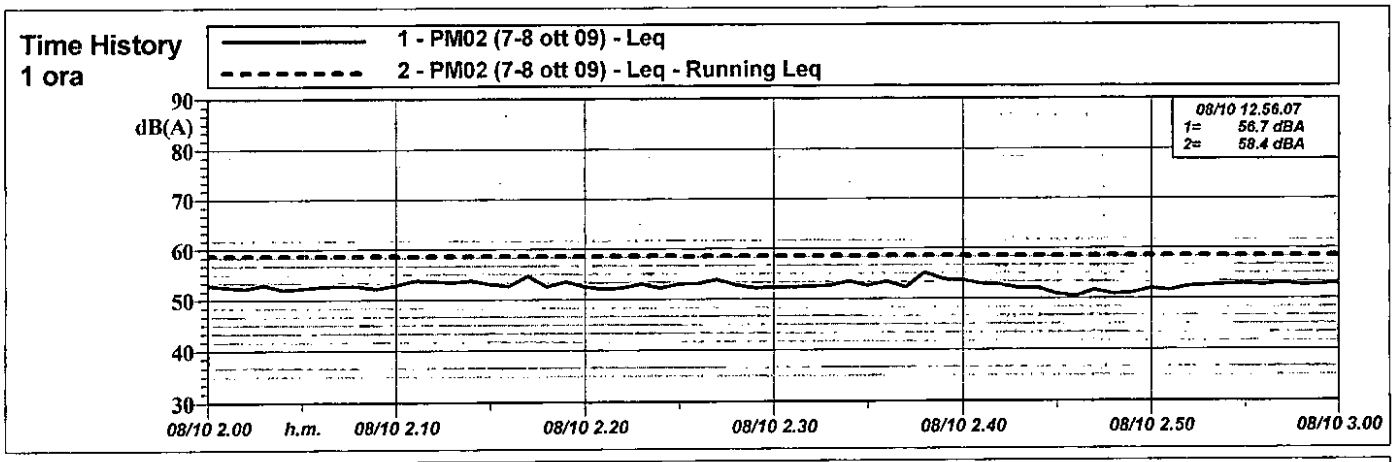

Time History
1 ora
1 - PM02 (7-8 ott 09) - Leq
2 - PM02 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
07/10 13.09.07
1= 58.7 dBA
2= 58.2 dBA
07/10 21.00
h.m.
07/10 21.10
07/10 21.20
07/10 21.30
07/10 21.40
07/10 21.50
07/10 22.00

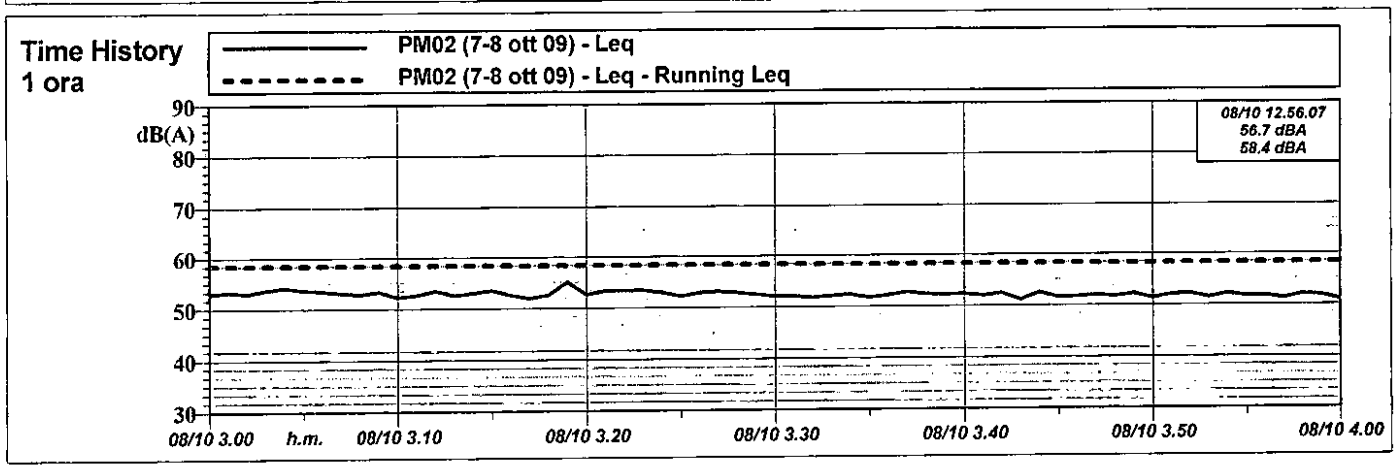

Time History
1 ora
1 - PM02 (7-8 ott 09) - Leq
2 - PM02 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.07
1= 56.7 dBA
2= 58.4 dBA
07/10 22.00
h.m.
07/10 22.10
07/10 22.20
07/10 22.30
07/10 22.40
07/10 22.50
07/10 23.00

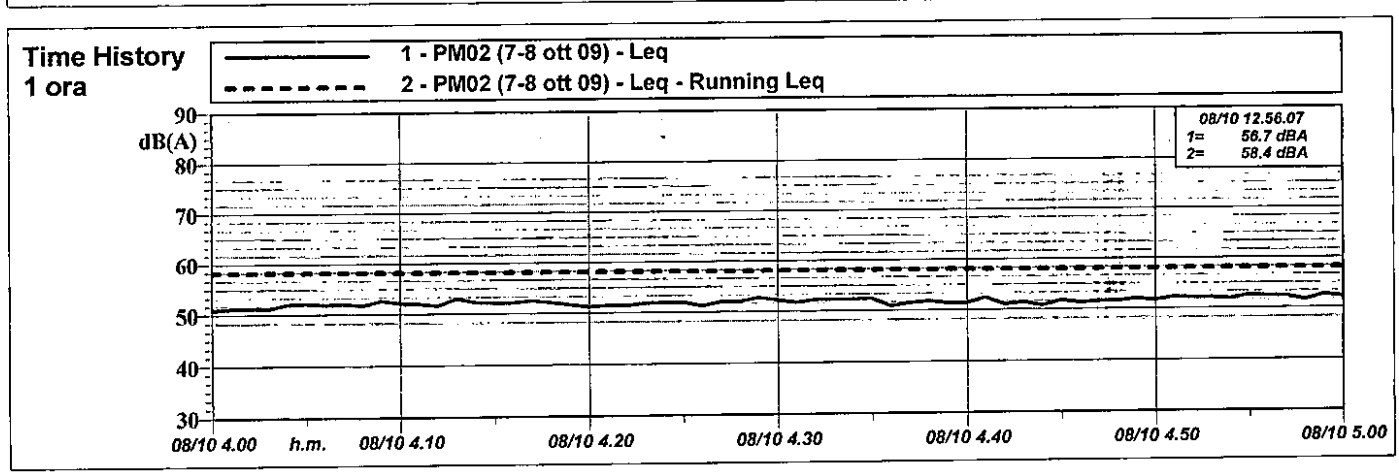

Time History
1 ora
PM02 (7-8 ott 09) - Leq
PM02 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.07
56.7 dBA
58.4 dBA
07/10 23.00
h.m.
07/10 23.10
07/10 23.20
07/10 23.30
07/10 23.40
07/10 23.50
08/10 0.00

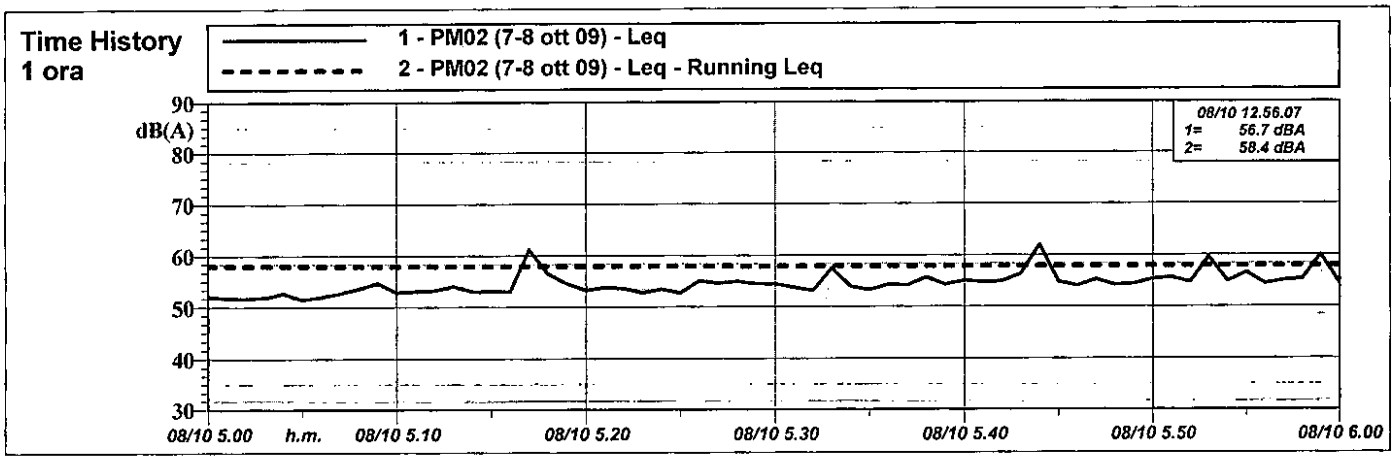

Time History
1 ora
1 - PM02 (7-8 ott 09) - Leq
2 - PM02 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.07
1= 56.7 dBA
2= 58.4 dBA
08/10 0.00
h.m.
08/10 0.10
08/10 0.20
08/10 0.30
08/10 0.40
08/10 0.50
08/10 1.00

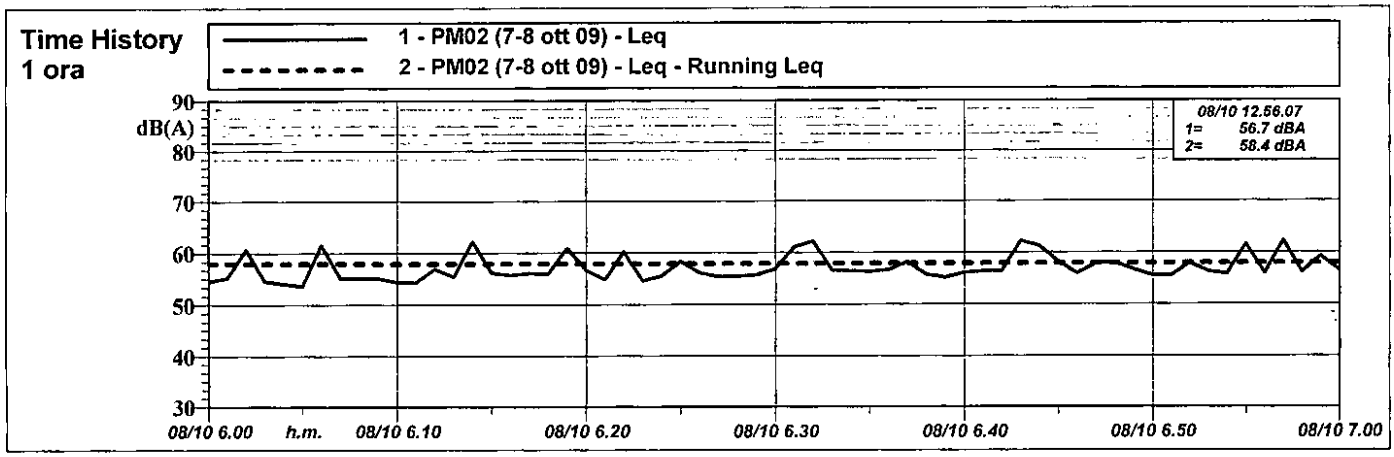

Time History
1 ora
1 - PM02 (7-8 ott 09) - Leq
2 - PM02 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.07
1= 56.7 dBA
2= 58.4 dBA
08/10 1.00
h.m.
08/10 1.10
08/10 1.20
08/10 1.30
08/10 1.40
08/10 1.50
08/10 2.00

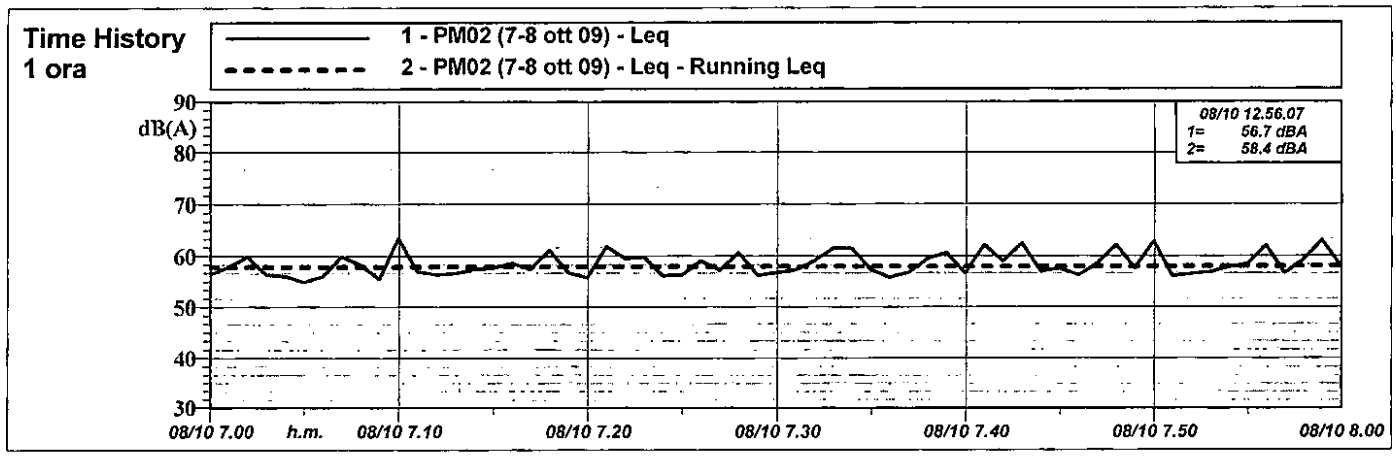

Time History
1 ora
1 - PM02 (7-8 ott 09) - Leq
2 - PM02 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.07
1= 56.7 dBA
2= 58.4 dBA
08/10 2.00
h.m.
08/10 2.10
08/10 2.20
08/10 2.30
08/10 2.40
08/10 2.50
08/10 3.00

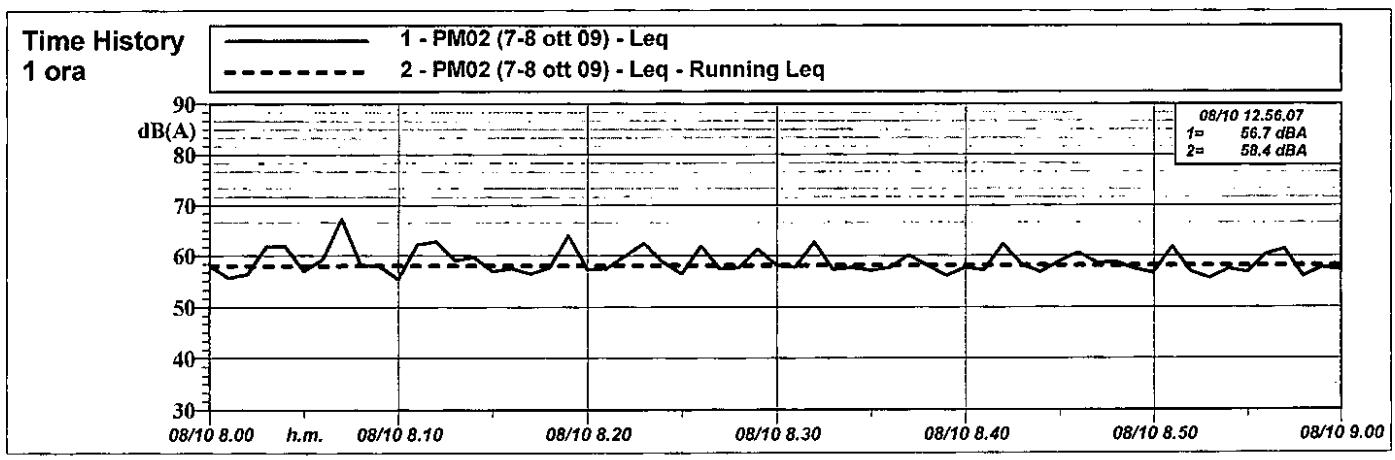

Time History
1 ora
PM02 (7-8 ott 09) - Leq
PM02 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.07
56.7 dBA
58.4 dBA
08/10 3.00
h.m.
08/10 3.10
08/10 3.20
08/10 3.30
08/10 3.40
08/10 3.50
08/10 4.00


Time History
1 ora
1 - PM02 (7-8 ott 09) - Leq
2 - PM02 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.07
1= 56.7 dBA
2= 58.4 dBA
08/10 4.00
h.m.
08/10 4.10
08/10 4.20
08/10 4.30
08/10 4.40
08/10 4.50
08/10 5.00


Time History
1 ora
1 - PM02 (7-8 ott 09) - Leq
2 - PM02 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.07
1= 56.7 dBA
2= 58.4 dBA
08/10 5.00
h.m.
08/10 5.10
08/10 5.20
08/10 5.30
08/10 5.40
08/10 5.50
08/10 6.00


Time History
1 ora
1 - PM02 (7-8 ott 09) - Leq
2 - PM02 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.07
1= 56.7 dBA
2= 58.4 dBA
08/10 6.00
h.m.
08/10 6.10
08/10 6.20
08/10 6.30
08/10 6.40
08/10 6.50
08/10 7.00


Time History
1 ora
1 - PM02 (7-8 ott 09) - Leq
2 - PM02 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.07
1= 56.7 dBA
2= 58.4 dBA
08/10 7.00
h.m.
08/10 7.10
08/10 7.20
08/10 7.30
08/10 7.40
08/10 7.50
08/10 8.00


Time History
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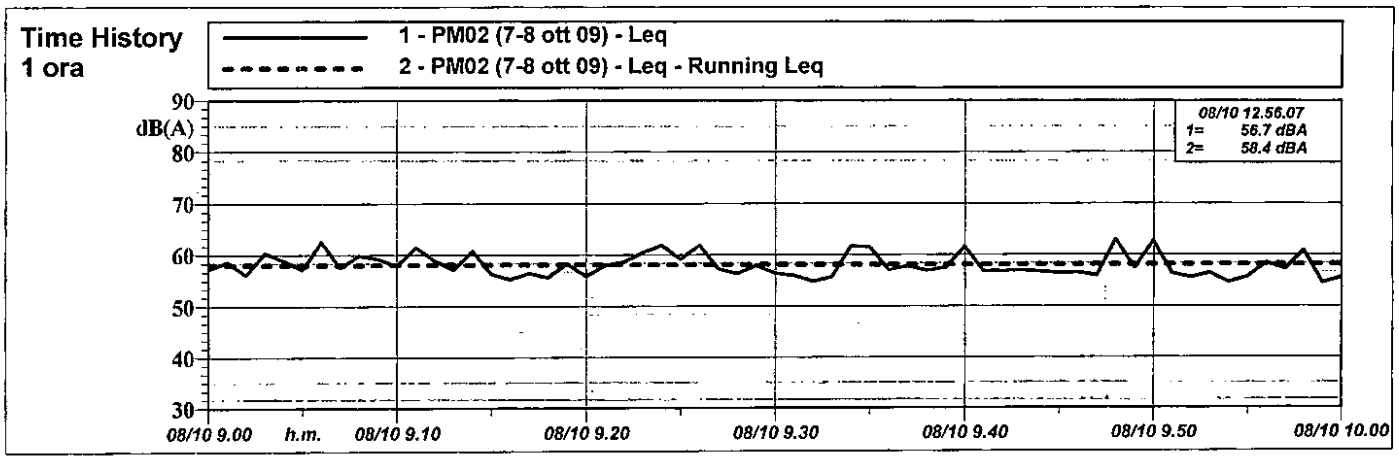
2 - PM02 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.07
1= 56.7 dBA
2= 58.4 dBA
08/10 8.00
h.m.
08/10 8.10
08/10 8.20
08/10 8.30
08/10 8.40
08/10 8.50
08/10 9.00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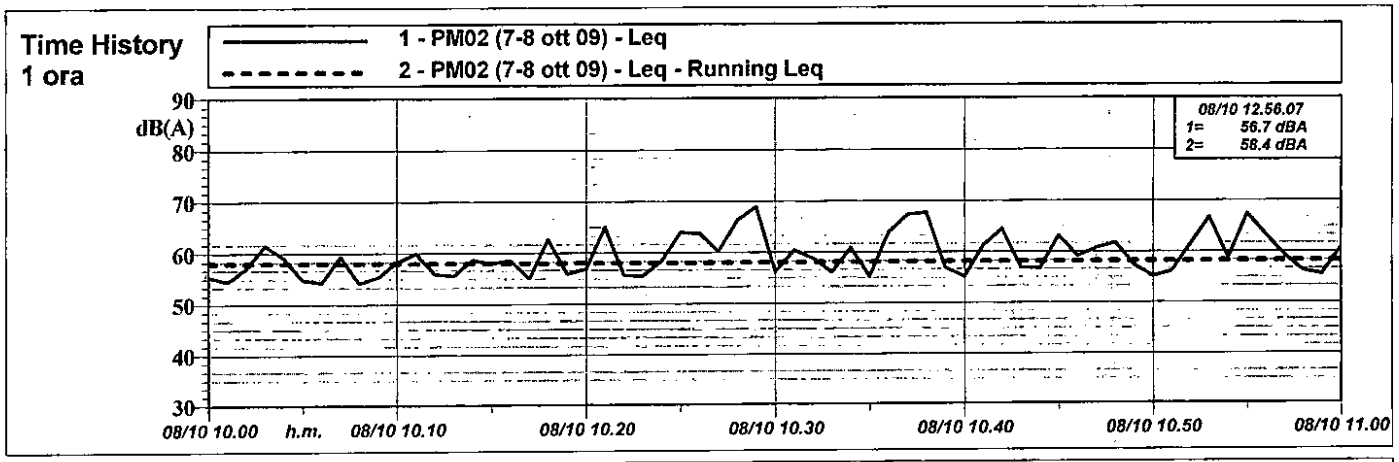
2 - PM02 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.07
1= 56.7 dBA
2= 58.4 dBA
08/10 9.00
h.m.
08/10 9.10
08/10 9.20
08/10 9.30
08/10 9.40
08/10 9.50
08/10 10.00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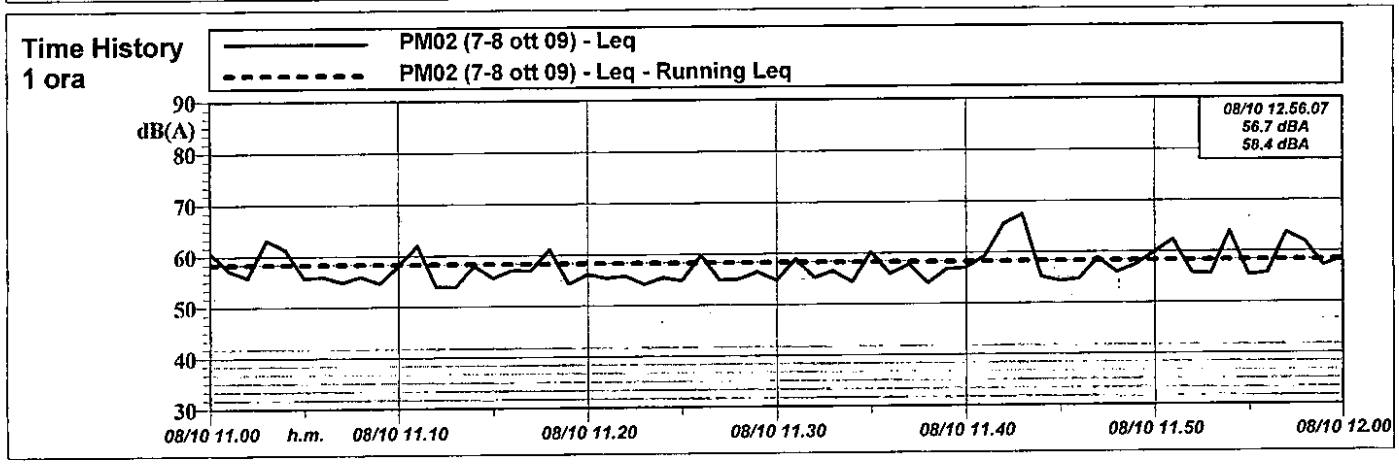
2 - PM02 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.07
1= 56.7 dBA
2= 58.4 dBA
08/10 10.00
h.m.
08/10 10.10
08/10 10.20
08/10 10.30
08/10 10.40
08/10 10.50
08/10 11.00


Time History
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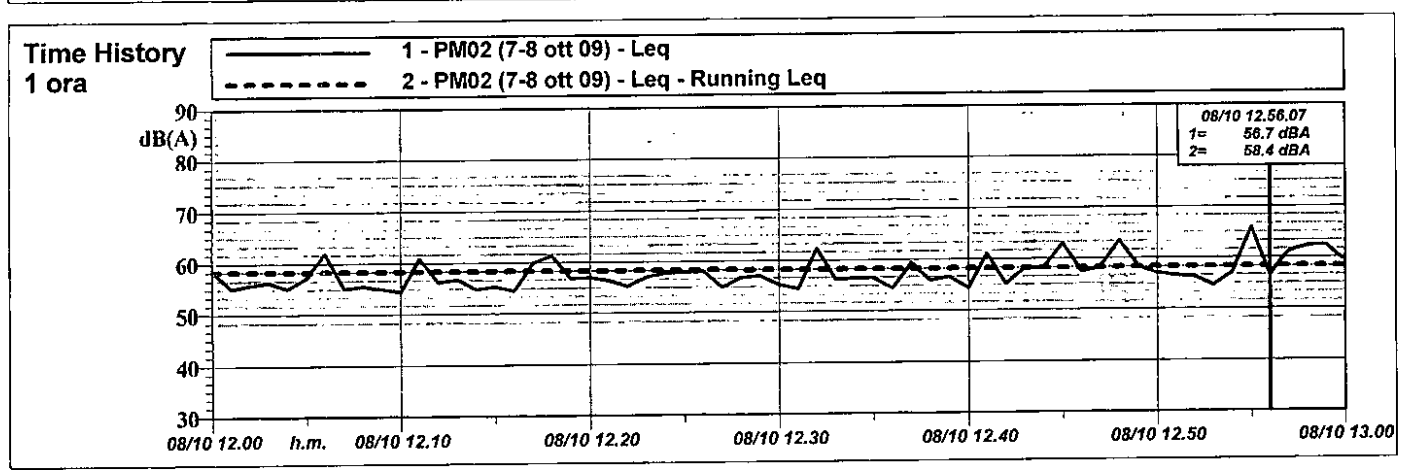
PM02 (7-8 ott 09) - Leq
PM02 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
08/10 12.56.07
56.7 dBA
58.4 dBA
08/10 11.00
h.m.
08/10 11.10
08/10 11.20
08/10 11.30
08/10 11.40
08/10 11.50
08/10 12.00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2 - PM02 (7-8 ott 09) - Leq - Running Leq
dB(A)
90
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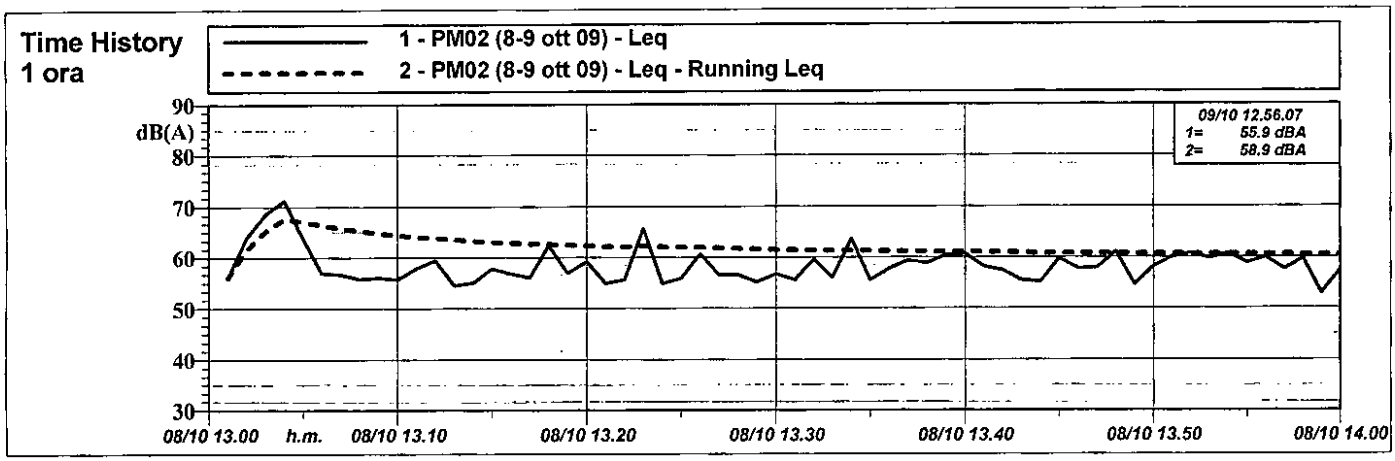
60
50
40
30
08/10 12.56.07
1= 56.7 dBA
2= 58.4 dBA
08/10 12.00
h.m.
08/10 12.10
08/10 12.20
08/10 12.30
08/10 12.40
08/10 12.50
08/10 13.00


Time History
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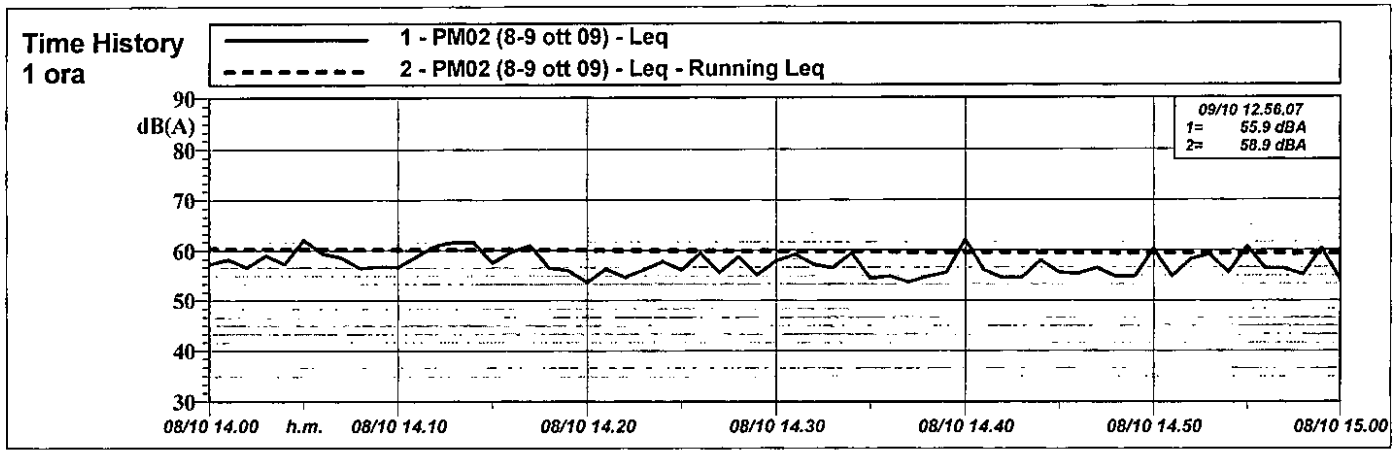
2 - PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
09/10 12.56.07
1= 55.9 dBA
2= 58.9 dBA
08/10 13.00
h.m.
08/10 13.10
08/10 13.20
08/10 13.30
08/10 13.40
08/10 13.50
08/10 14.00


Time History
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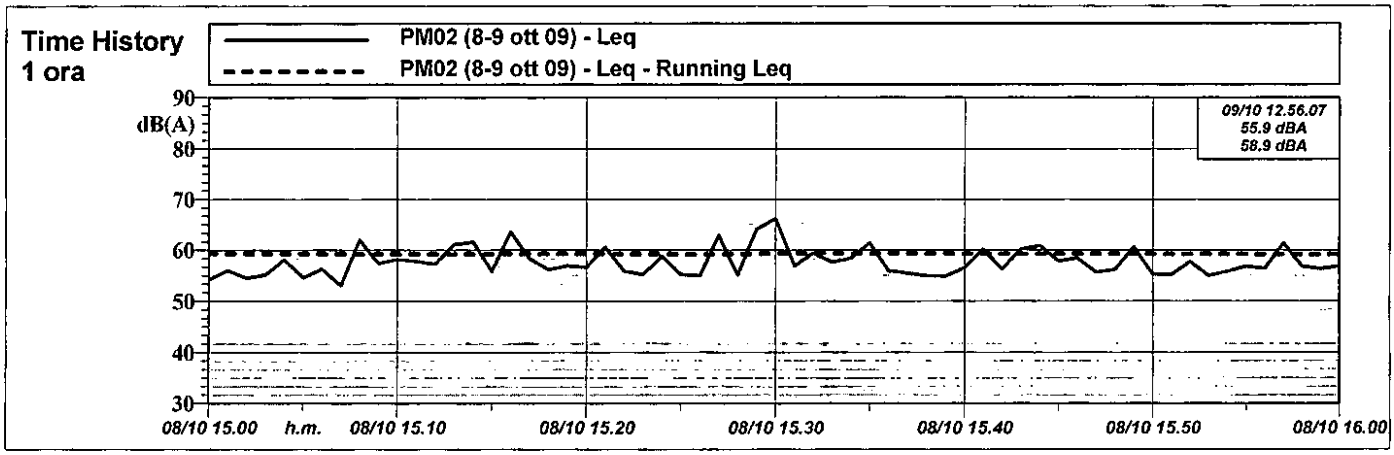
1 - PM02 (8-9 ott 09) - Leq
2 - PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
09/10 12.56.07
1= 55.9 dBA
2= 58.9 dBA
08/10 14.00
h.m.
08/10 14.10
08/10 14.20
08/10 14.30
08/10 14.40
08/10 14.50
08/10 15.00


Time History
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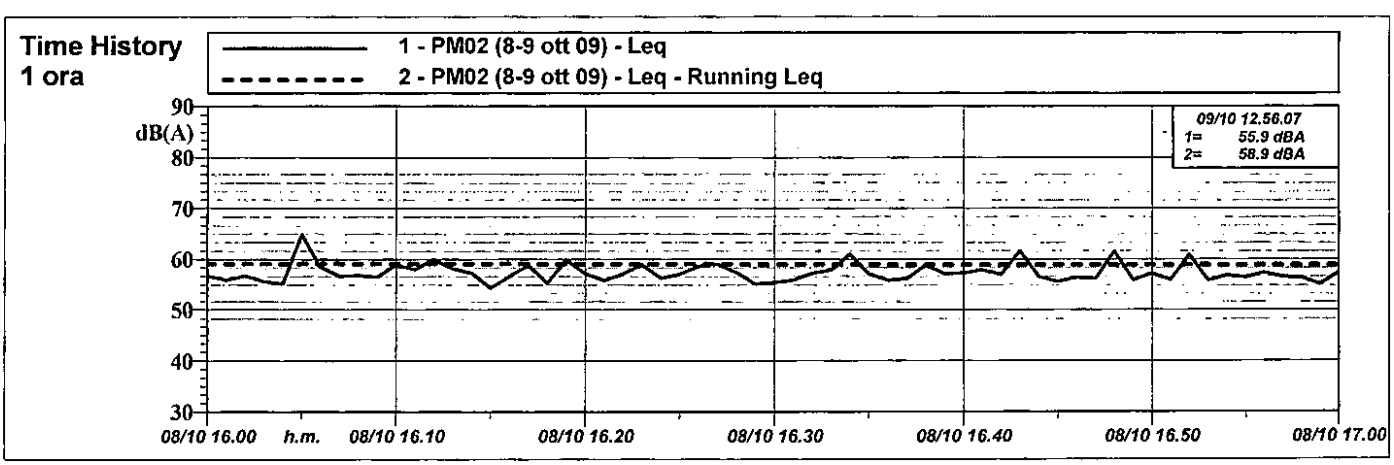
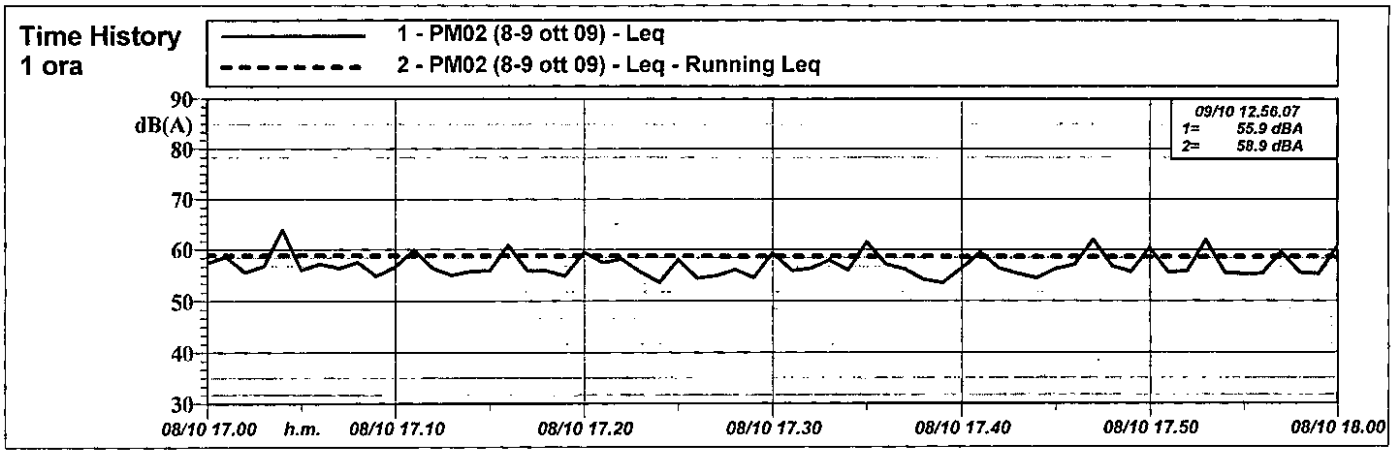
PM02 (8-9 ott 09) - Leq
PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
09/10 12.56.07
55.9 dBA
58.9 dBA
08/10 15.00
h.m.
08/10 15.10
08/10 15.20
08/10 15.30
08/10 15.40
08/10 15.50
08/10 16.00


Time History
1 ora
1 - PM02 (8-9 ott 09) - Leq
2 - PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
09/10 12.56.07
1= 55.9 dBA
2= 58.9 dBA
08/10 16.00
h.m.
08/10 16.10
08/10 16.20
08/10 16.30
08/10 16.40
08/10 16.50
08/10 17.00


Time History
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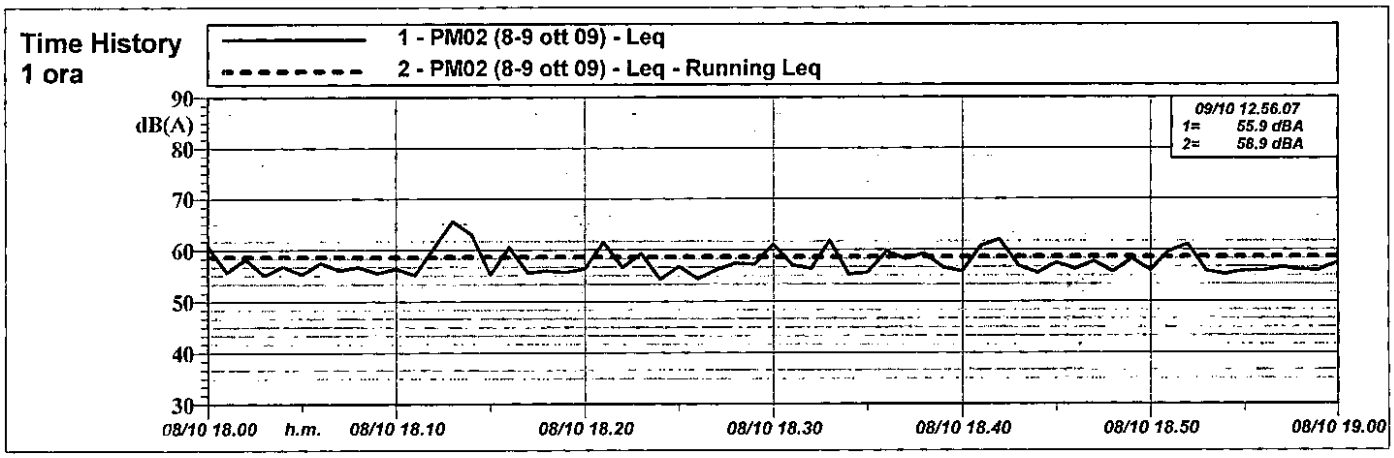
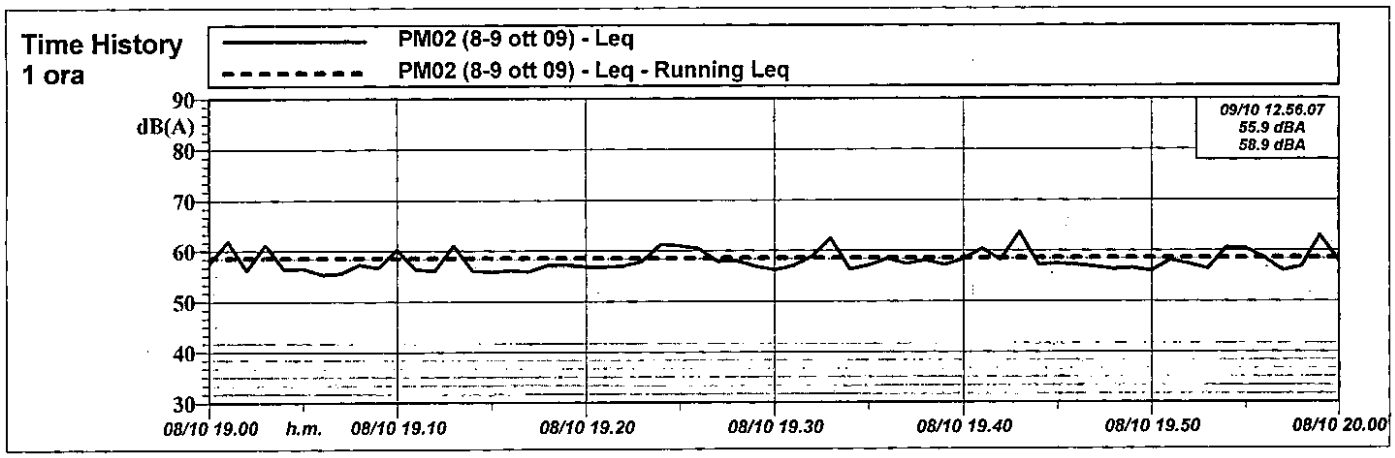
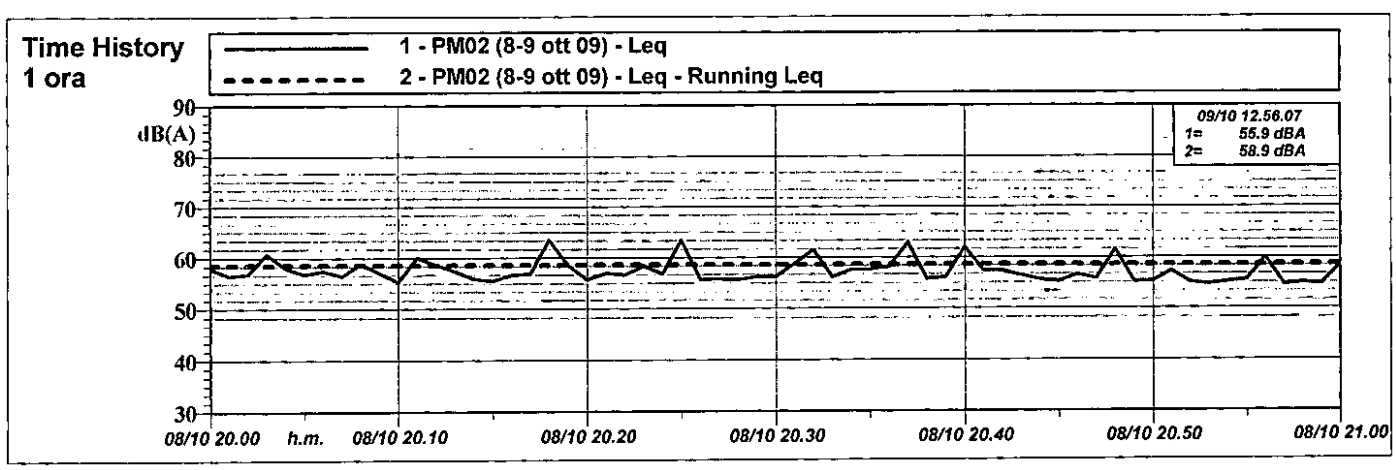
2 - PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
09/10 12.56.07
1= 55.9 dBA
2= 58.9 dBA
08/10 17.00
h.m.
08/10 17.10
08/10 17.20
08/10 17.30
08/10 17.40
08/10 17.50
08/10 18.00


Time History
1 ora
1 - PM02 (8-9 ott 09) - Leq
2 - PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
09/10 12.56.07
1= 55.9 dBA
2= 58.9 dBA
08/10 18.00
h.m.
08/10 18.10
08/10 18.20
08/10 18.30
08/10 18.40
08/10 18.50
08/10 19.00


Time History
1 ora
PM02 (8-9 ott 09) - Leq
PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
09/10 12.56.07
55.9 dBA
58.9 dBA
08/10 19.00
h.m.
08/10 19.10
08/10 19.20
08/10 19.30
08/10 19.40
08/10 19.50
08/10 20.00


Time History
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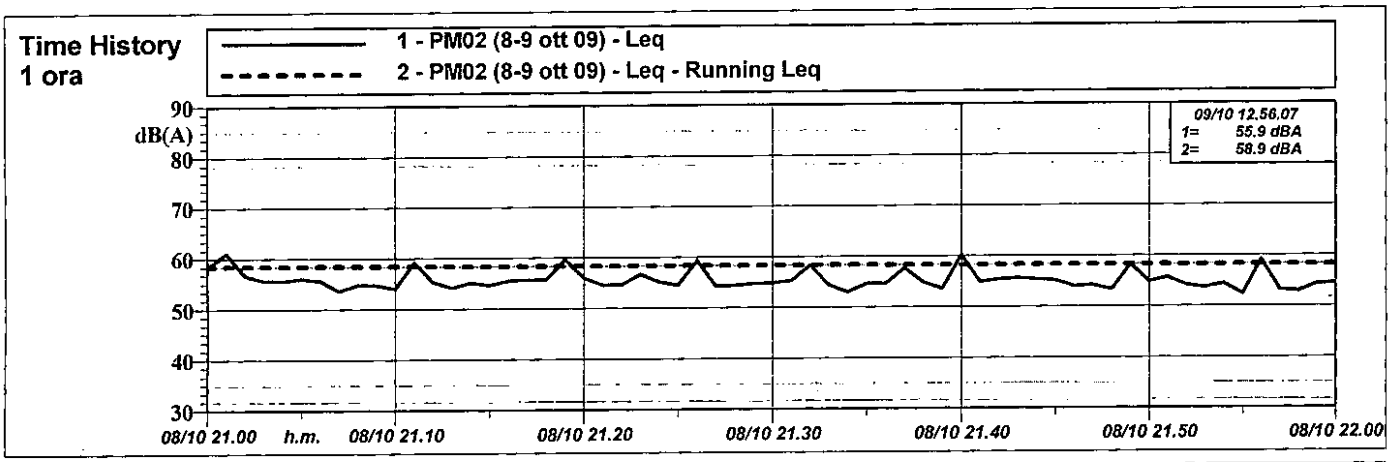
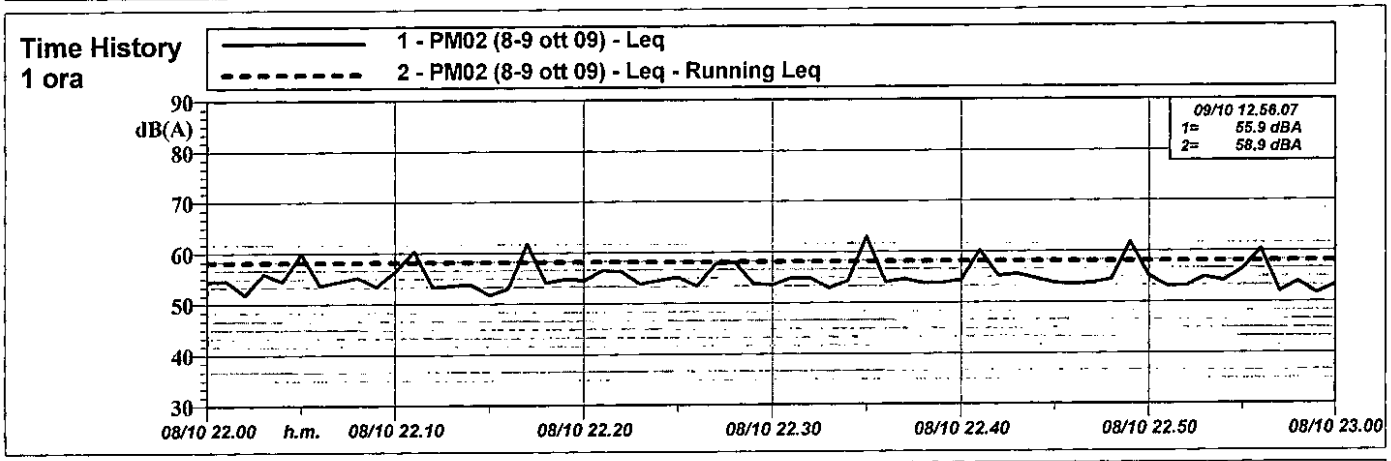
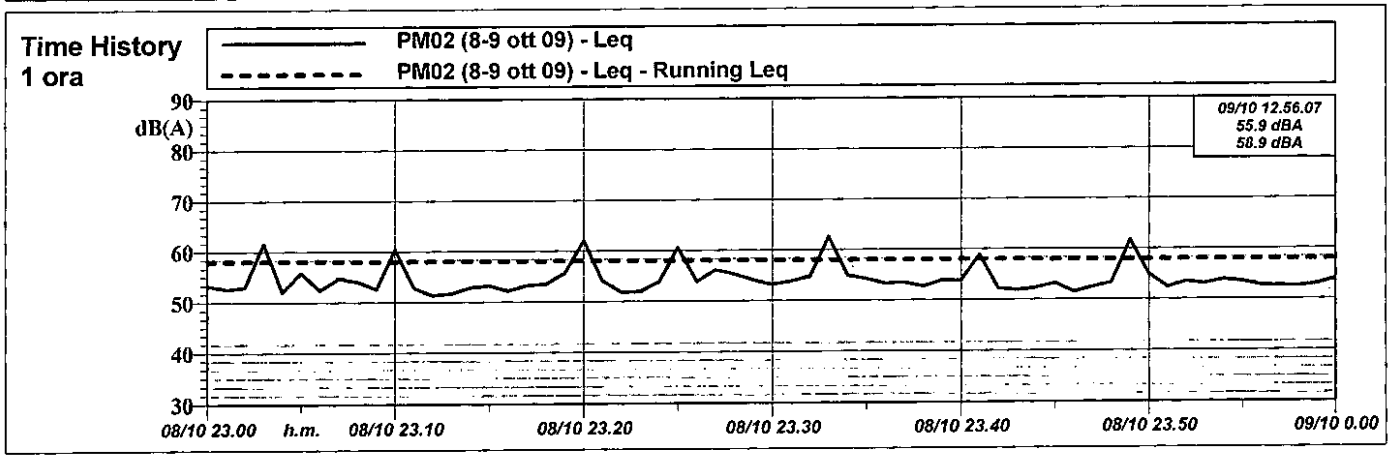
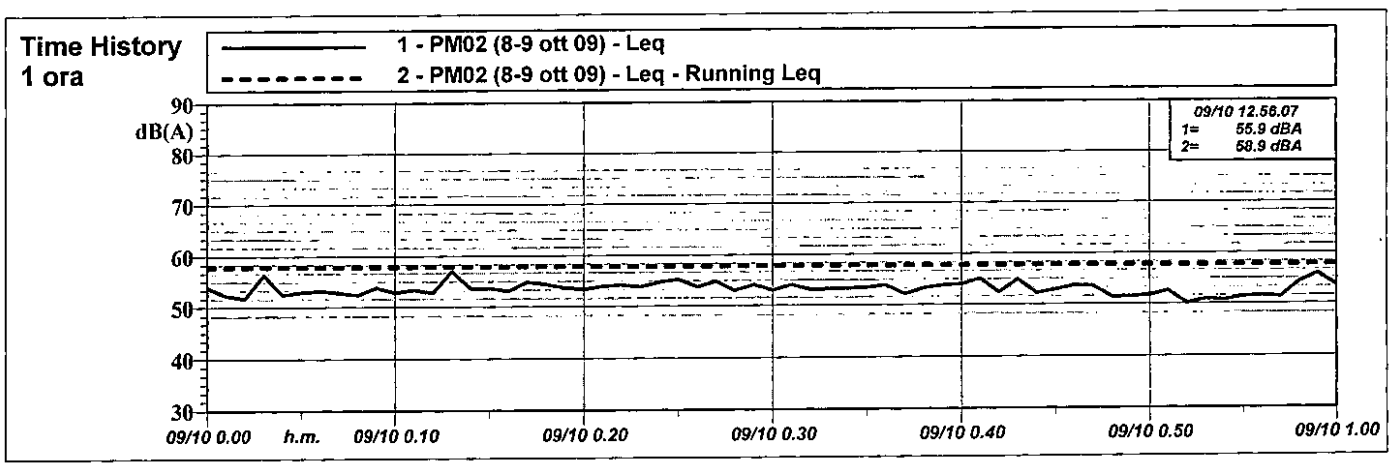
2 - PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
09/10 12.56.07
1= 55.9 dBA
2= 58.9 dBA
08/10 20.00
h.m.
08/10 20.10
08/10 20.20
08/10 20.30
08/10 20.40
08/10 20.50
08/10 21.00

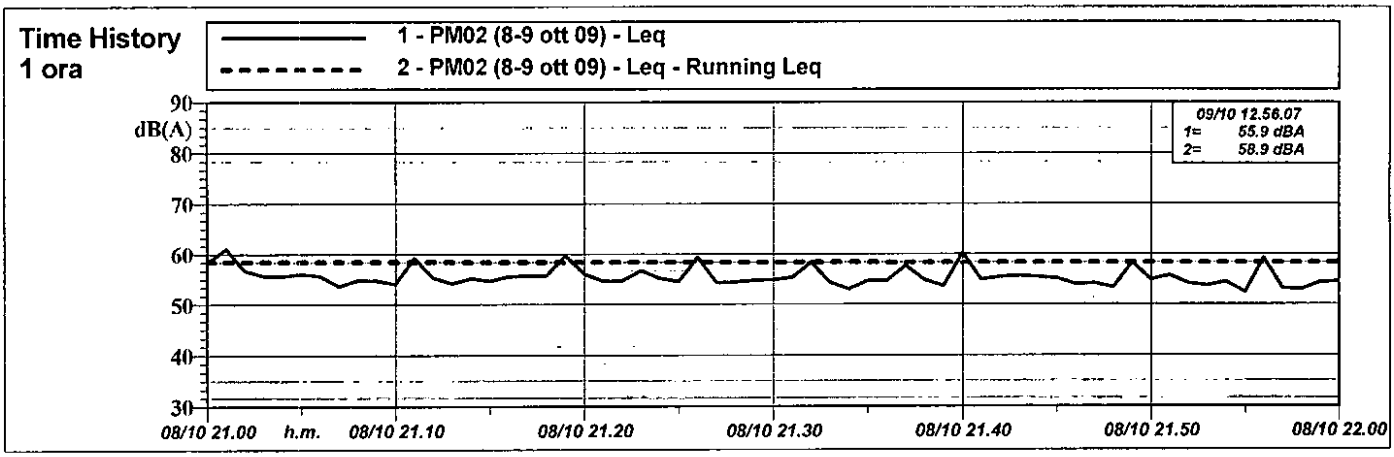

Time History
1 ora
1 - PM02 (8-9 ott 09) - Leq
2 - PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
09/10 12.56.07
1= 55.9 dBA
2= 58.9 dBA
08/10 21.00
h.m.
08/10 21.10
08/10 21.20
08/10 21.30
08/10 21.40
08/10 21.50
08/10 22.00

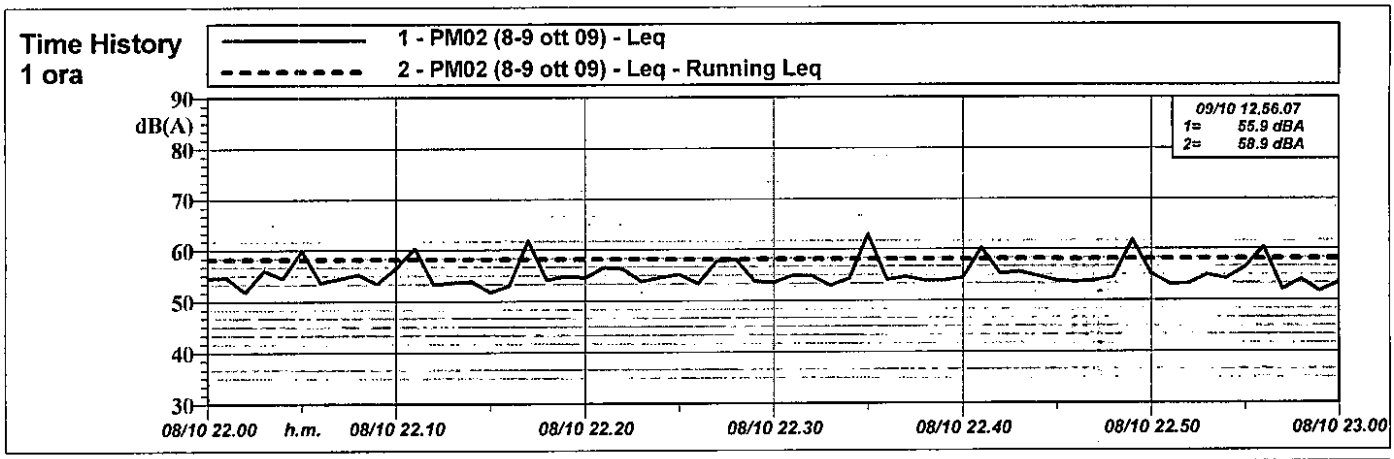

Time History
1 ora
1 - PM02 (8-9 ott 09) - Leq
2 - PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
09/10 12.56.07
1= 55.9 dBA
2= 58.9 dBA
08/10 22.00
h.m.
08/10 22.10
08/10 22.20
08/10 22.30
08/10 22.40
08/10 22.50
08/10 23.00

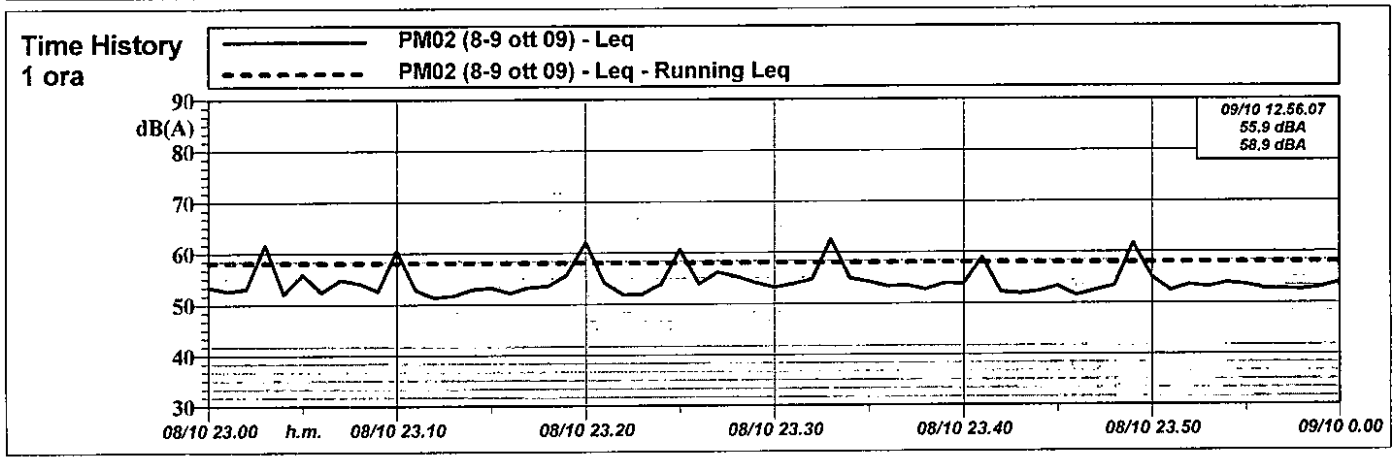

Time History
1 ora
PM02 (8-9 ott 09) - Leq
PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
09/10 12.56.07
55.9 dBA
58.9 dBA
08/10 23.00
h.m.
08/10 23.10
08/10 23.20
08/10 23.30
08/10 23.40
08/10 23.50
09/10 0.00

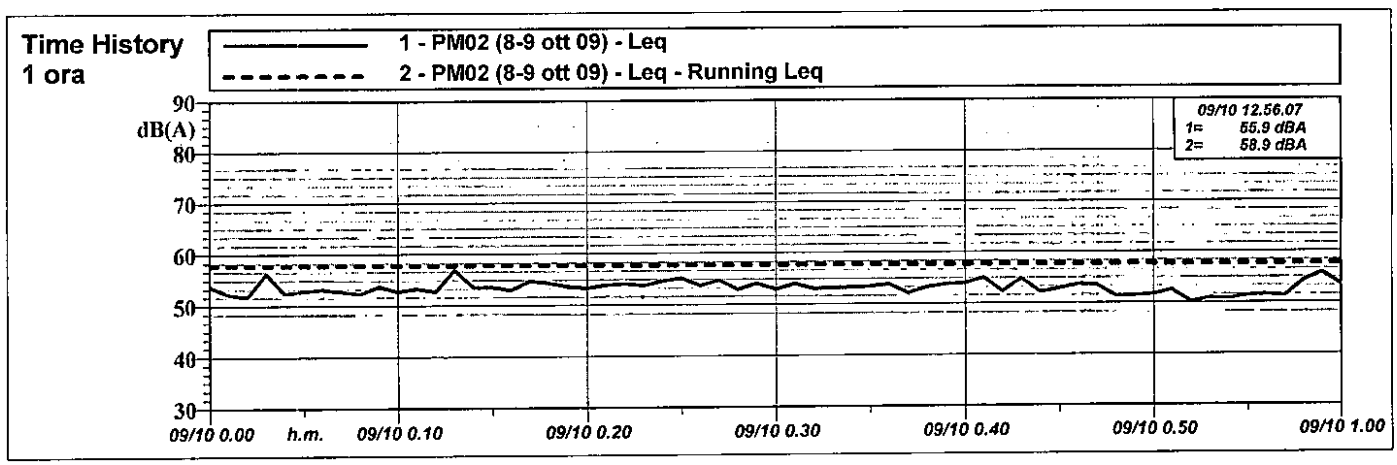

Time History
1 ora
1 - PM02 (8-9 ott 09) - Leq
2 - PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
09/10 12.56.07
1= 55.9 dBA
2= 58.9 dBA
09/10 0.00
h.m.
09/10 0.10
09/10 0.20
09/10 0.30
09/10 0.40
09/10 0.50
09/10 1.00

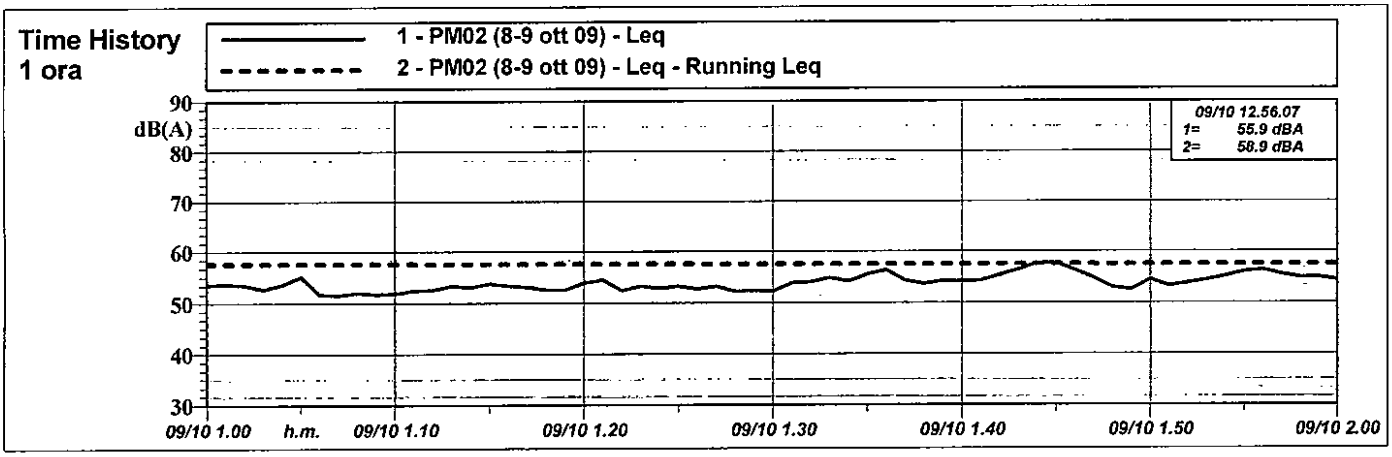
Progettazioni Ambiente e Trasporti	CARATTERIZZAZIONE ACUSTICA Localizzazione punto di misura e sintesi del rilievo fonometrico










Time History
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2 - PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
90
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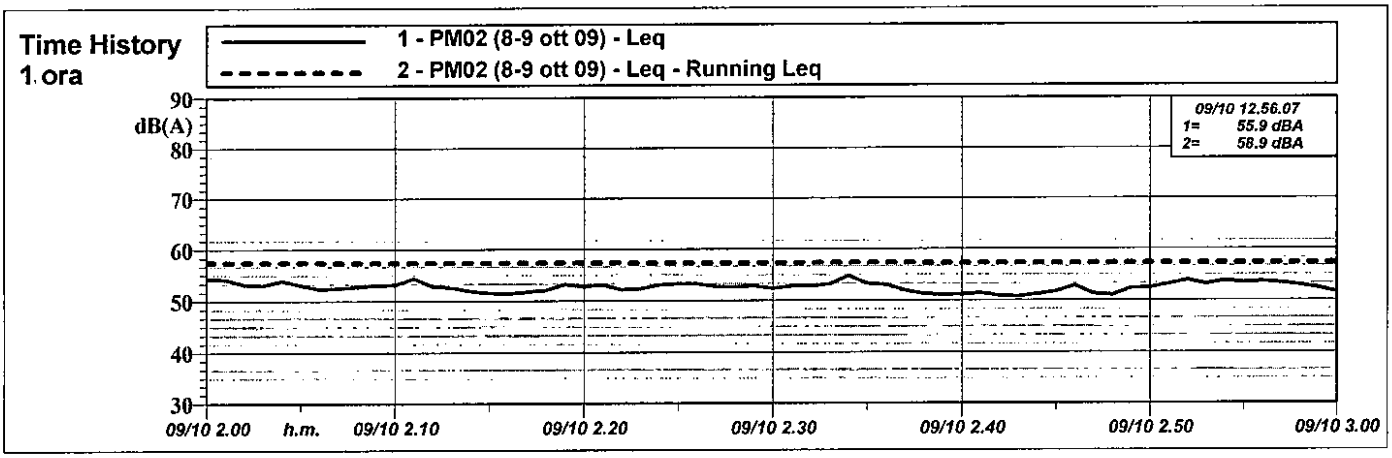
60
50
40
30
09/10 12.56.07
1= 55.9 dBA
2= 58.9 dBA
09/10 1.00
h.m.
09/10 1.10
09/10 1.20
09/10 1.30
09/10 1.40
09/10 1.50
09/10 2.00


Time History
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2 - PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
90
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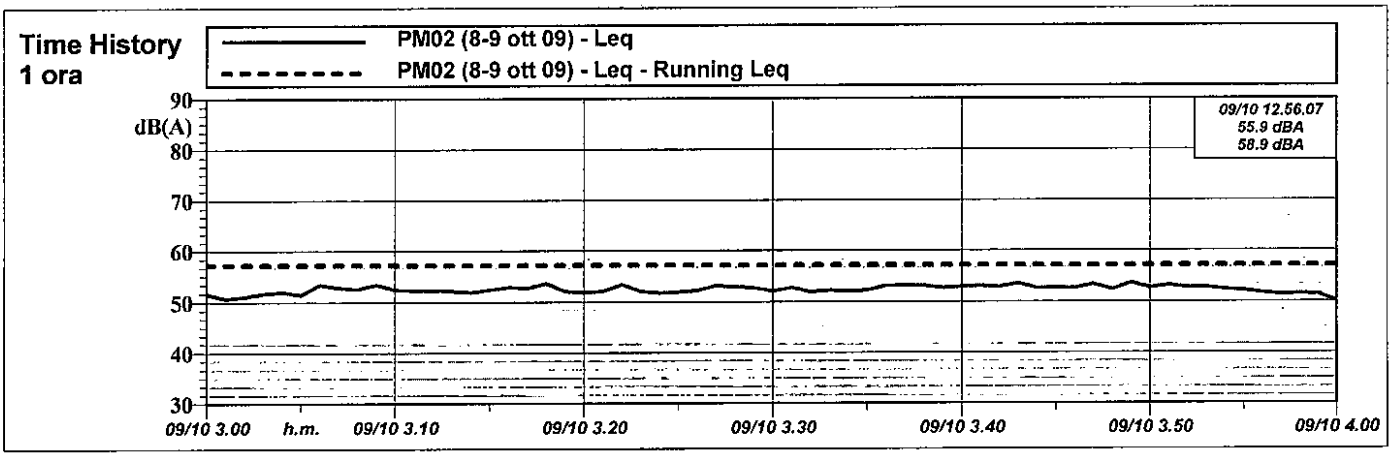
60
50
40
30
09/10 12.56.07
1= 55.9 dBA
2= 58.9 dBA
09/10 2.00
h.m.
09/10 2.10
09/10 2.20
09/10 2.30
09/10 2.40
09/10 2.50
09/10 3.00


Time History
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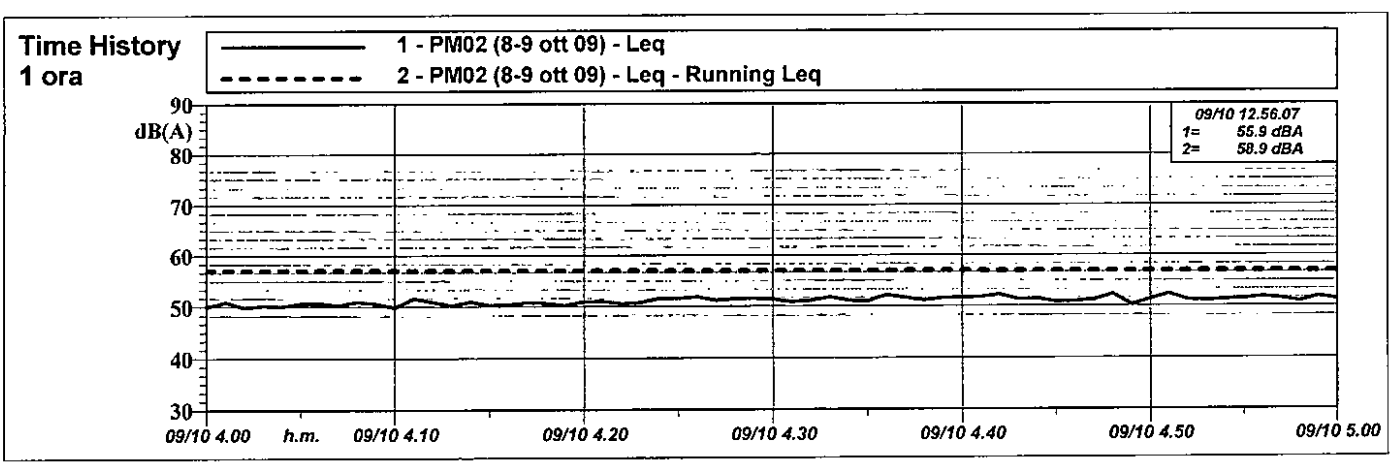
PM02 (8-9 ott 09) - Leq
PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
09/10 12.56.07
55.9 dBA
58.9 dBA
09/10 3.00
h.m.
09/10 3.10
09/10 3.20
09/10 3.30
09/10 3.40
09/10 3.50
09/10 4.00


Time History
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2 - PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
90
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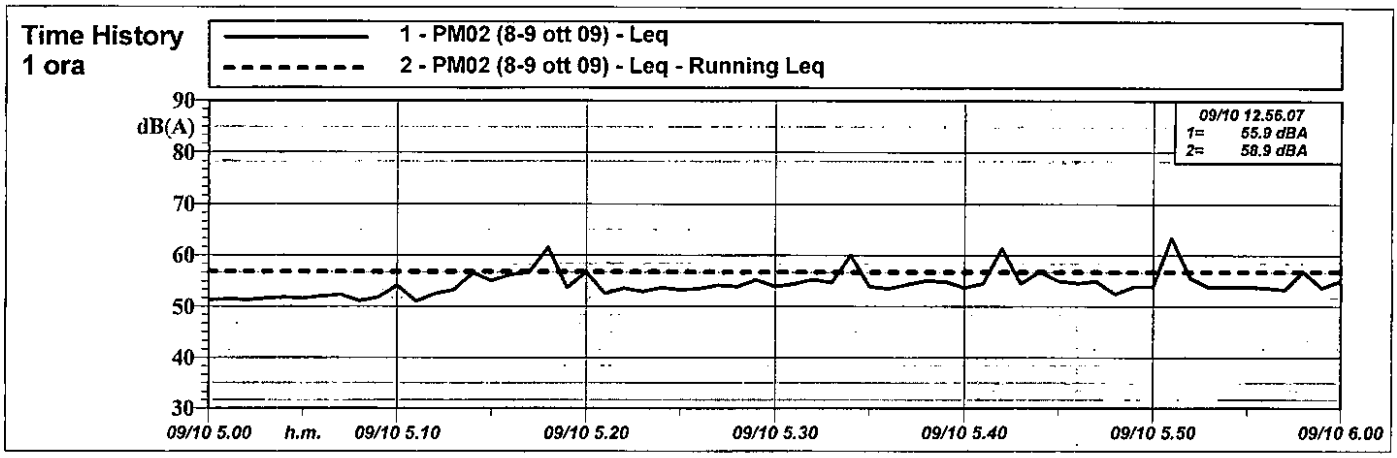
60
50
40
30
09/10 12.56.07
1= 55.9 dBA
2= 58.9 dBA
09/10 4.00
h.m.
09/10 4.10
09/10 4.20
09/10 4.30
09/10 4.40
09/10 4.50
09/10 5.00


Time History
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2 - PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
90
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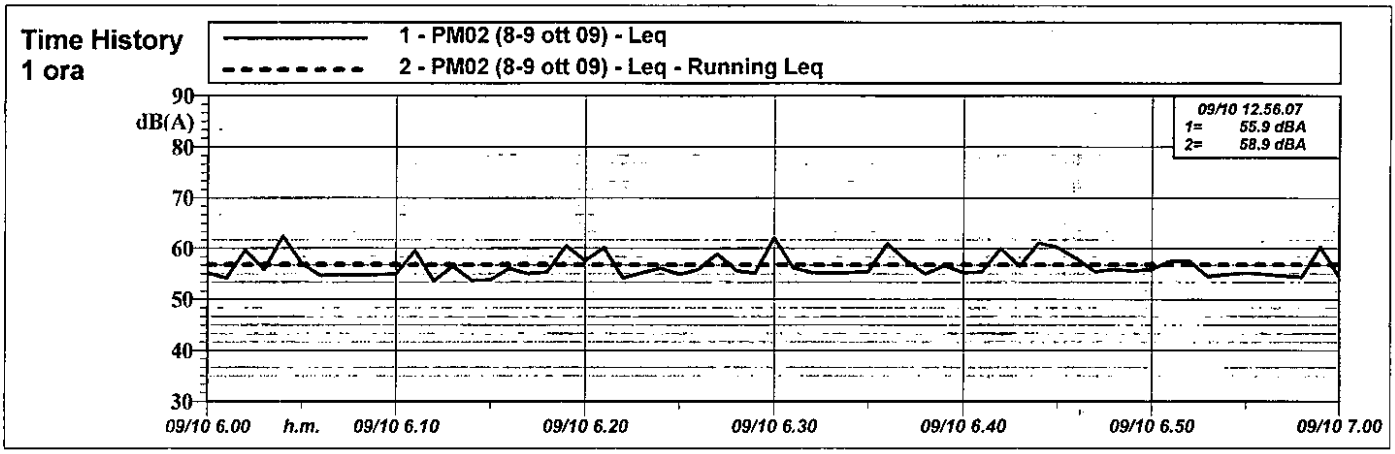
60
50
40
30
09/10 12.56.07
1= 55.9 dBA
2= 58.9 dBA
09/10 5.00
h.m.
09/10 5.10
09/10 5.20
09/10 5.30
09/10 5.40
09/10 5.50
09/10 6.00


Time History
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2 - PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
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80
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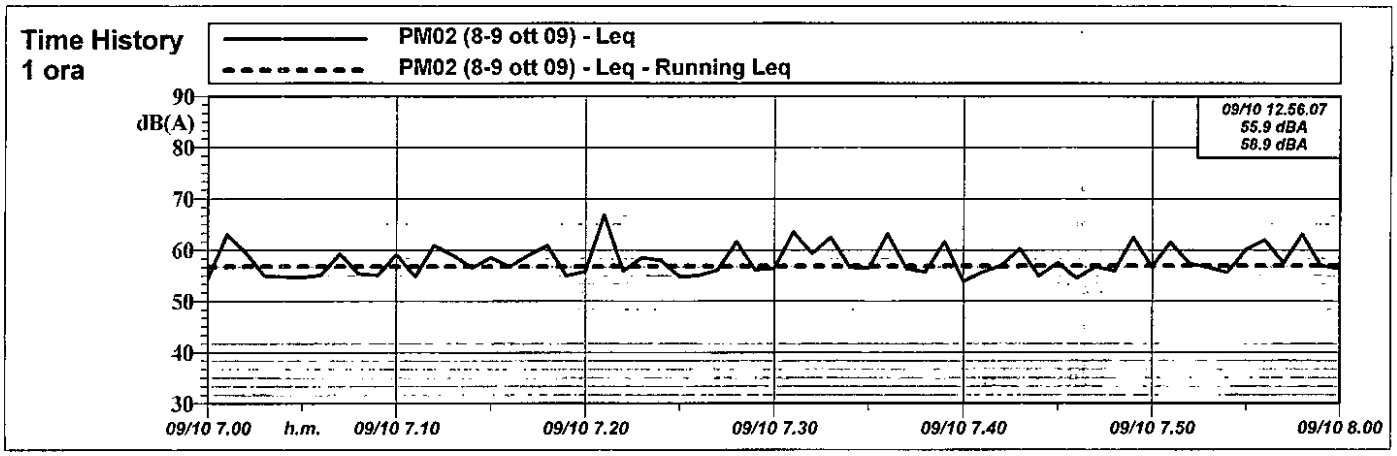
60
50
40
30
09/10 12.56.07
1= 55.9 dBA
2= 58.9 dBA
09/10 6.00
h.m.
09/10 6.10
09/10 6.20
09/10 6.30
09/10 6.40
09/10 6.50
09/10 7.00


Time History
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PM02 (8-9 ott 09) - Leq
PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
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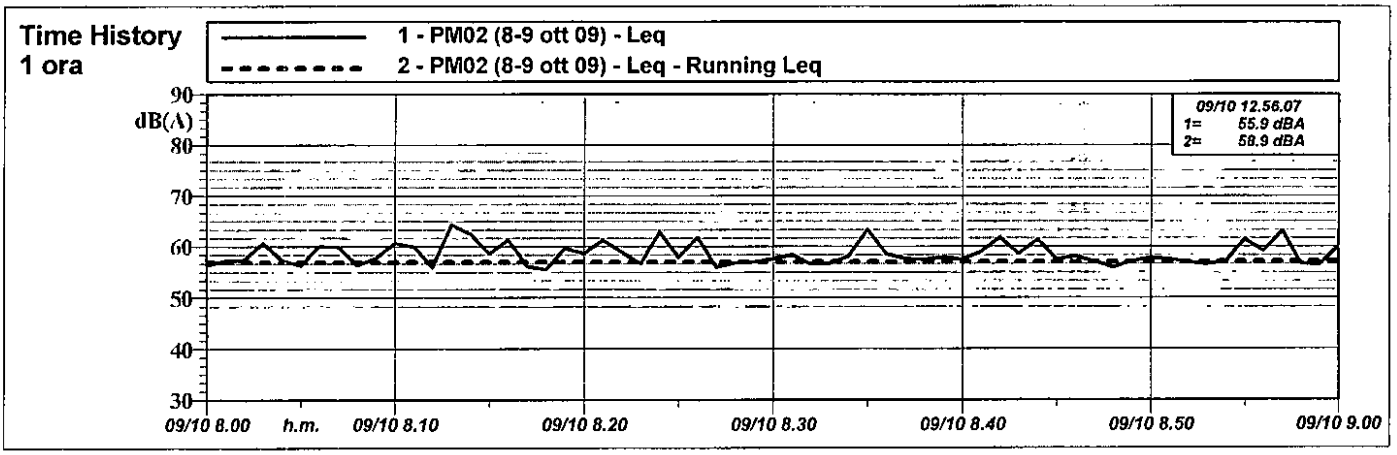
80
70
60
50
40
30
09/10 12.56.07
55.9 dBA
58.9 dBA
09/10 7.00
h.m.
09/10 7.10
09/10 7.20
09/10 7.30
09/10 7.40
09/10 7.50
09/10 8.00


Time History
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2 - PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
90
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60
50
40
30
09/10 12.56.07
1= 55.9 dBA
2= 58.9 dBA
09/10 8.00
h.m.
09/10 8.10
09/10 8.20
09/10 8.30
09/10 8.40
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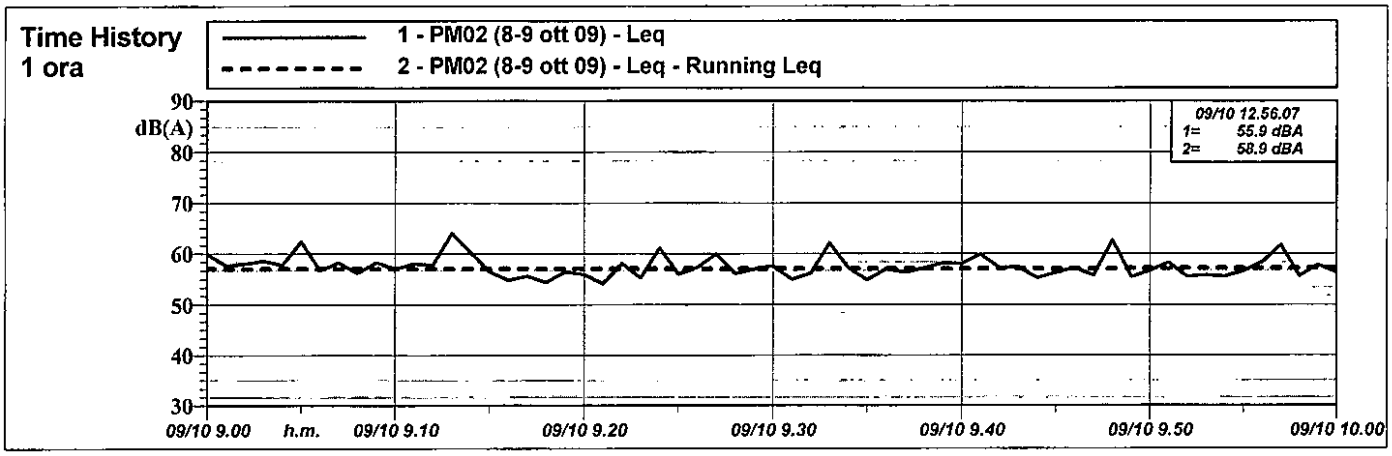
09/10 9.00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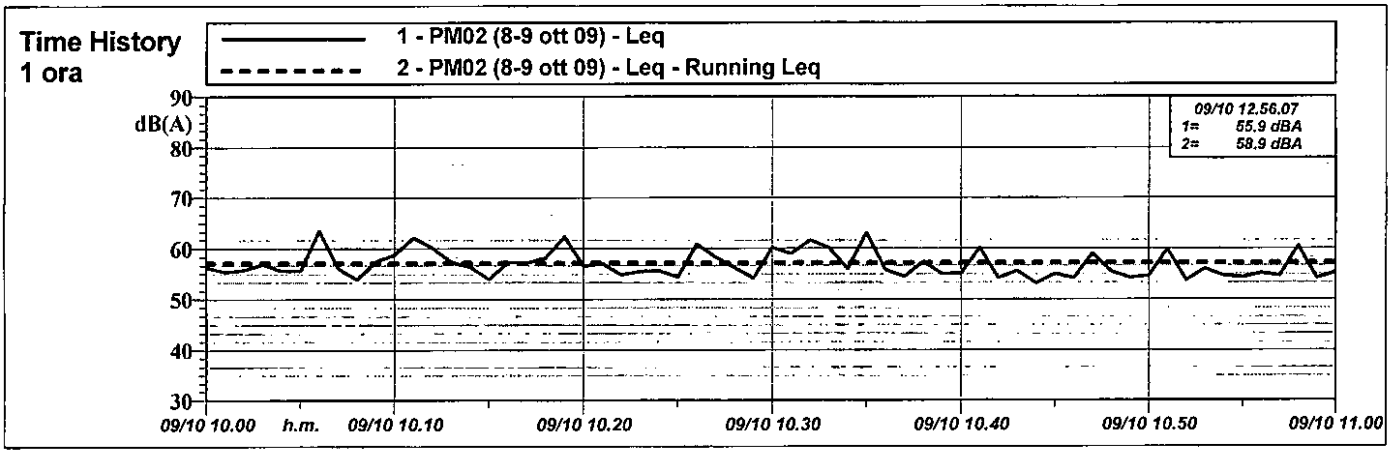
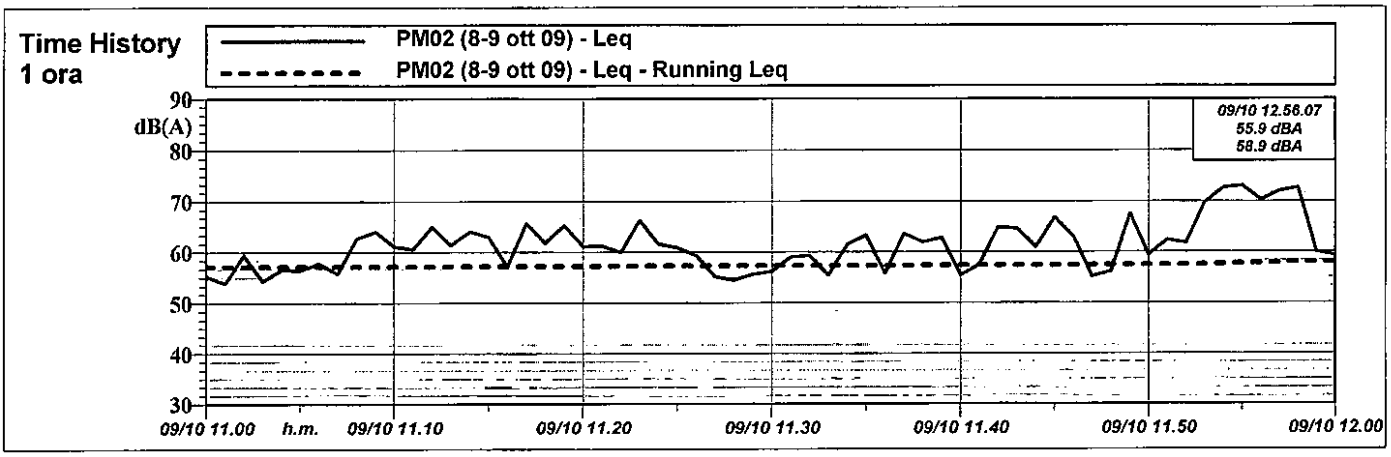
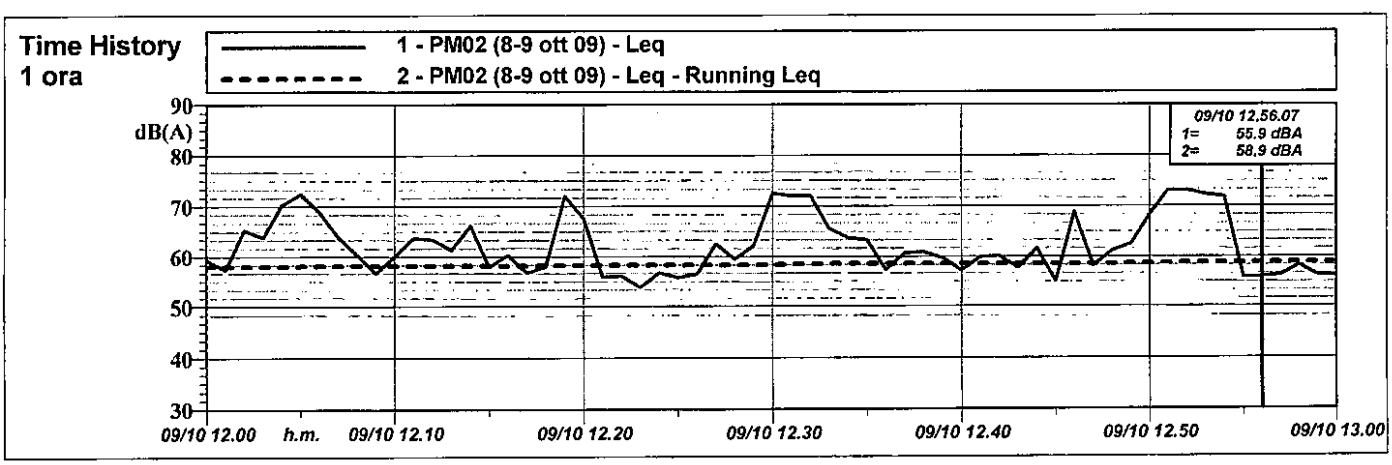
2 - PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
09/10 12.56.07
1= 55.9 dBA
2= 58.9 dBA
09/10 9.00
h.m.
09/10 9.10
09/10 9.20
09/10 9.30
09/10 9.40
09/10 9.50
09/10 10.00

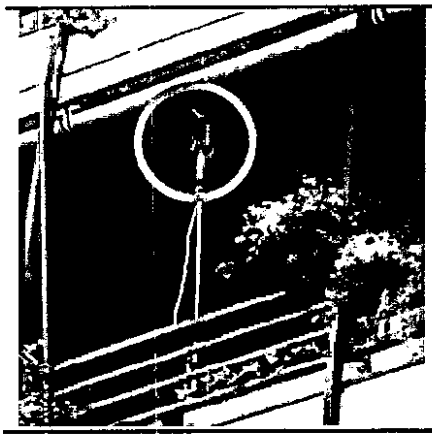

Time History
1 ora
1 - PM02 (8-9 ott 09) - Leq
2 - PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
09/10 12.56.07
1= 55.9 dBA
2= 58.9 dBA
09/10 10.00
h.m.
09/10 10.10
09/10 10.20
09/10 10.30
09/10 10.40
09/10 10.50
09/10 11.00

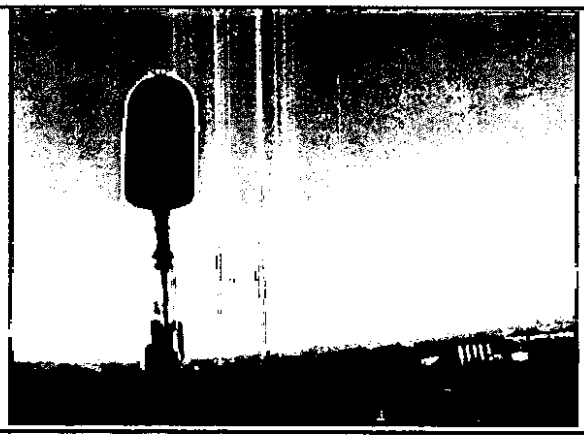

Time History
1 ora
PM02 (8-9 ott 09) - Leq
PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
09/10 12.56.07
55.9 dBA
58.9 dBA
09/10 11.00
h.m.
09/10 11.10
09/10 11.20
09/10 11.30
09/10 11.40
09/10 11.50
09/10 12.00


Time History
1 ora
1 - PM02 (8-9 ott 09) - Leq
2 - PM02 (8-9 ott 09) - Leq - Running Leq
dB(A)
09/10 12.56.07
1= 55.9 dBA
2= 58.9 dBA
09/10 12.00
h.m.
09/10 12.10
09/10 12.20
09/10 12.30
09/10 12.40
09/10 12.50
09/10 13.00

Progettazioni Ambiente e Trasporti	ACEA – IMPIANTO DI TOR DI VALLE Schede di rilevamento fonometrico

Tipo rilievo:	Monitoraggio acustico in ambiente esterno			**Punto di misura:**	**PM01**
Regione:	Lazio	**Provincia:**	Roma	**Comune:**	Roma
Localizzazione:	Via Nanchino, 26/28 (Quartiere Torrino)			**Zonizzazione:**	
Descrizione:	Il punto di misura è situato al 4° piano del fabbricato e alla distanza pari a circa 570 m dall'impianto ACEA.				
Data inizio misura:	11/11/09	**Data fine misura:**	13/11/09	**Tecnico competente:**	Ing. Tiziana Bastianello Regione Lazio n. 276
Ora inizio misura:	15:00:00	**Ora fine misura:**	12:00:00		



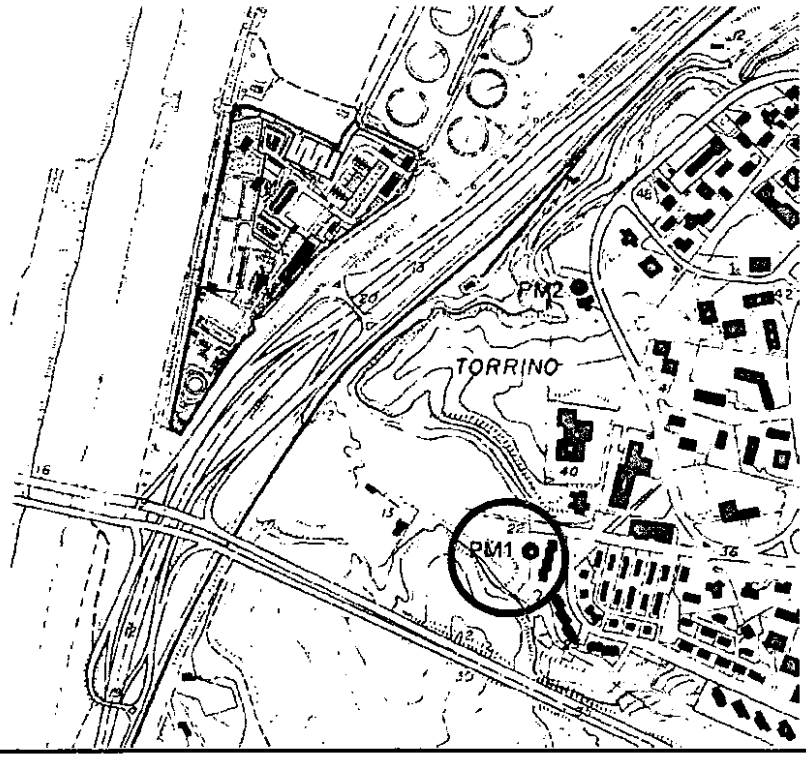


SINTESI ELABORAZIONE ACUSTICA				
	Media impianto acceso		Media impianto spento	
	giorno	notte	giorno	notte
L_{Aeq}	56,8	51,9	-	47,7
L_{99}	51,2	46,8	-	42,5

SINTESI PARAMETRI METEO		
	Min	Max
Temperatura [°C]	4	16
Umidità [%]	60	80
Vento V [m/s]/ dir. [°]	< 1,5 / var.	
Pioggia [mm]	assente	

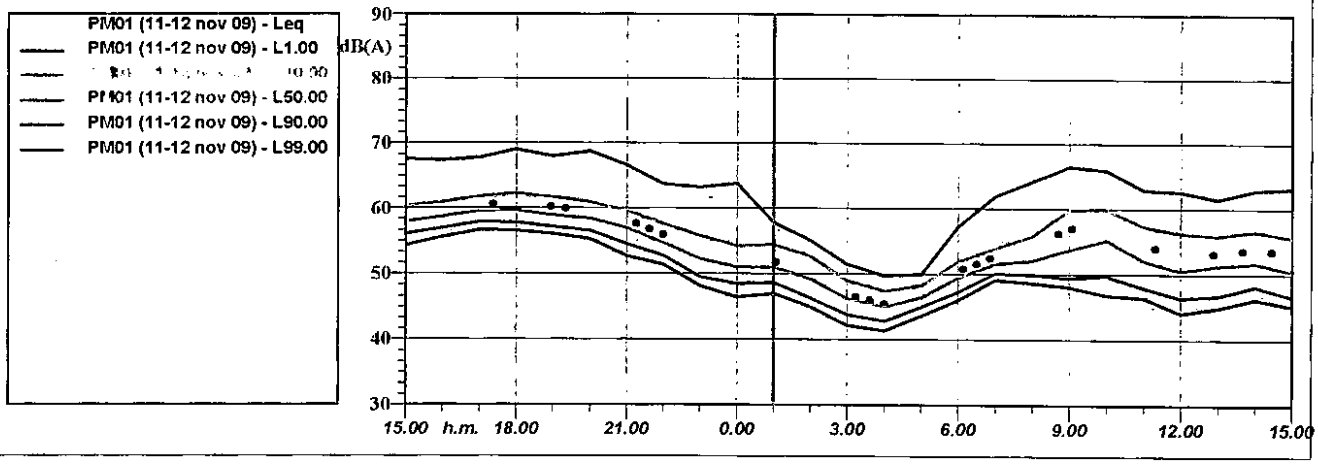
NOTE:	Il clima acustico è caratterizzato da un rumore continuo di sottofondo della centrale. Ulteriori sorgenti sono il GRA (170 m) e la linea ferroviaria e la adiacente via del Mare (410 m) La TurboGas1 è stata accesa dalle 18.00 dell'11 fino alle 00.00 del 12 Novembre. La TurboGas2 è stata spenta alle 13.00 del 12 Novembre, riaccesa alle 15.00 e spenta alle 21.00 dello stesso giorno. La TurboGas3 è stata accesa alle 6.00 ed è stata spenta alle 11.00 del 13 Novembre.

UBICAZIONE PUNTO DI MISURA



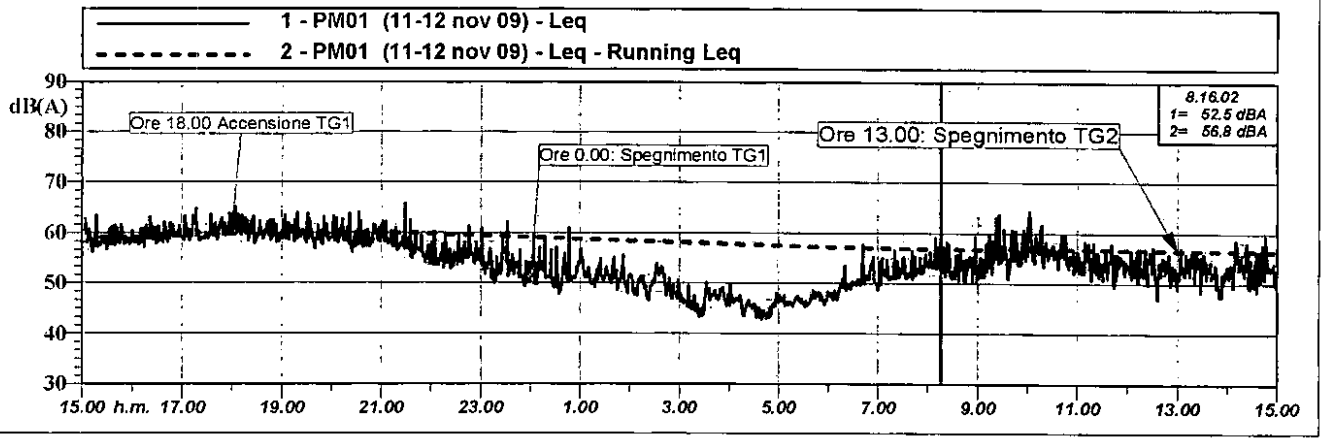
Stralcio planimetrico

Intervalli orari - Leq e dei Livelli percentili

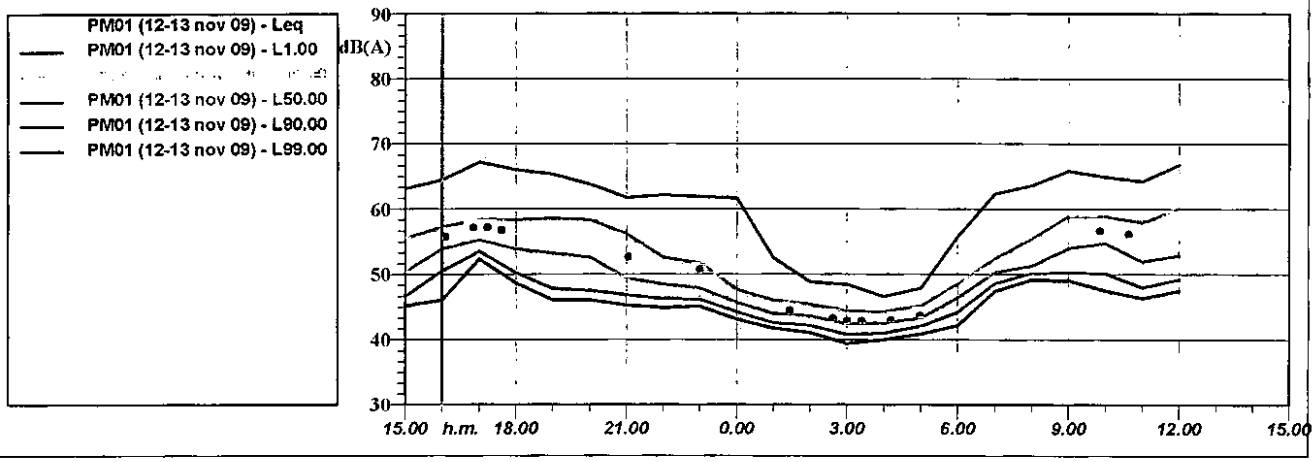


	LEQ	L1	L10	L50	L90	L99
15.00.00	59.0 dBA	67.6 dBA	60.4 dBA	57.9 dBA	56.1 dBA	54.3 dBA
16.00.00	59.7 dBA	67.4 dBA	60.9 dBA	58.7 dBA	56.9 dBA	55.6 dBA
17.00.00	60.4 dBA	67.8 dBA	61.8 dBA	59.5 dBA	57.9 dBA	56.6 dBA
18.00.00	60.8 dBA	69.1 dBA	62.3 dBA	59.6 dBA	57.8 dBA	56.5 dBA
19.00.00	60.2 dBA	68.0 dBA	61.7 dBA	58.9 dBA	57.1 dBA	56.0 dBA
20.00.00	59.7 dBA	68.8 dBA	60.9 dBA	58.3 dBA	56.5 dBA	55.3 dBA
21.00.00	58.2 dBA	66.6 dBA	59.6 dBA	56.9 dBA	54.5 dBA	52.7 dBA
22.00.00	55.9 dBA	63.7 dBA	57.6 dBA	54.7 dBA	52.8 dBA	51.4 dBA
23.00.00	54.2 dBA	63.2 dBA	55.8 dBA	52.3 dBA	49.5 dBA	48.2 dBA
0.00.00	53.2 dBA	63.8 dBA	54.2 dBA	51.0 dBA	48.4 dBA	46.5 dBA
1.00.00	52.0 dBA	57.8 dBA	54.4 dBA	51.1 dBA	48.6 dBA	47.1 dBA
2.00.00	50.1 dBA	55.0 dBA	52.7 dBA	49.2 dBA	46.3 dBA	45.0 dBA
3.00.00	46.8 dBA	51.5 dBA	48.9 dBA	46.3 dBA	43.8 dBA	42.2 dBA
4.00.00	45.5 dBA	49.7 dBA	47.4 dBA	45.0 dBA	42.8 dBA	41.4 dBA
5.00.00	46.6 dBA	49.9 dBA	48.2 dBA	46.4 dBA	45.0 dBA	43.6 dBA
6.00.00	50.5 dBA	57.2 dBA	51.9 dBA	49.4 dBA	47.3 dBA	46.0 dBA
7.00.00	52.8 dBA	62.0 dBA	53.9 dBA	51.6 dBA	50.2 dBA	49.1 dBA
8.00.00	54.3 dBA	64.2 dBA	55.8 dBA	52.1 dBA	49.9 dBA	48.7 dBA
9.00.00	57.0 dBA	66.5 dBA	59.8 dBA	53.7 dBA	49.5 dBA	48.1 dBA
10.00.00	57.3 dBA	65.9 dBA	60.0 dBA	55.2 dBA	49.7 dBA	46.9 dBA
11.00.00	54.4 dBA	63.0 dBA	57.3 dBA	52.1 dBA	48.0 dBA	46.4 dBA
12.00.00	53.4 dBA	62.6 dBA	56.3 dBA	50.5 dBA	46.4 dBA	44.1 dBA
13.00.00	53.1 dBA	61.5 dBA	55.9 dBA	51.3 dBA	46.7 dBA	44.9 dBA
14.00.00	53.9 dBA	62.9 dBA	56.6 dBA	51.7 dBA	48.2 dBA	46.3 dBA

Time History - Periodo misura

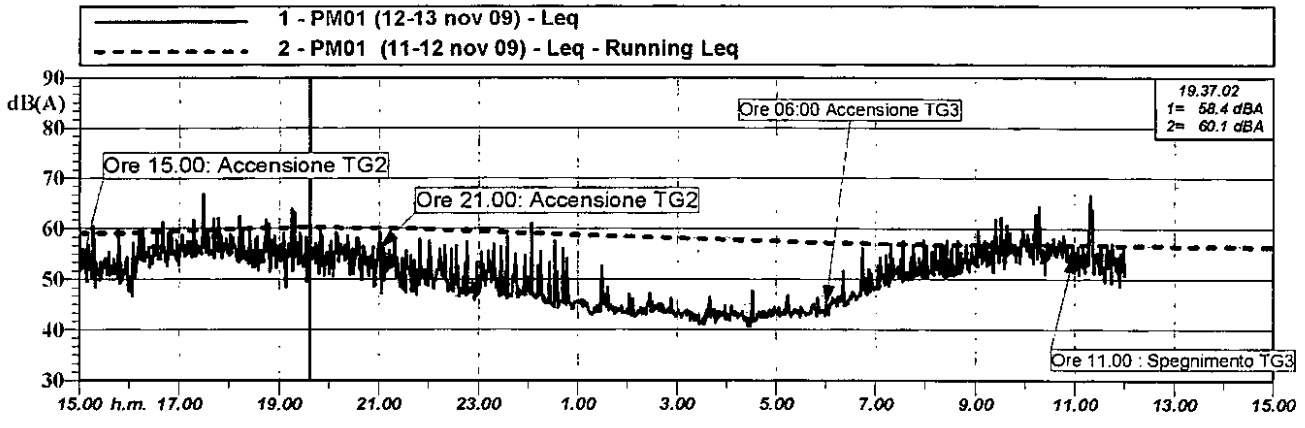


Intervalli orari - Leq e dei Livelli percentili



	LEQ	L1	L10	L50	L90	L99
15.00.00	53.2 dBA	63.1 dBA	55.6 dBA	50.4 dBA	46.7 dBA	45.2 dBA
16.00.00	55.7 dBA	64.5 dBA	57.4 dBA	53.9 dBA	50.5 dBA	46.0 dBA
17.00.00	57.5 dBA	67.2 dBA	58.5 dBA	55.3 dBA	53.5 dBA	52.3 dBA
18.00.00	56.3 dBA	66.1 dBA	58.4 dBA	53.9 dBA	50.3 dBA	48.7 dBA
19.00.00	56.2 dBA	65.4 dBA	58.7 dBA	53.3 dBA	47.8 dBA	46.1 dBA
20.00.00	55.2 dBA	63.9 dBA	58.4 dBA	52.7 dBA	47.6 dBA	46.1 dBA
21.00.00	52.8 dBA	61.8 dBA	56.2 dBA	49.4 dBA	46.8 dBA	45.3 dBA
22.00.00	51.3 dBA	62.2 dBA	52.7 dBA	48.5 dBA	46.2 dBA	44.9 dBA
23.00.00	50.9 dBA	61.9 dBA	51.8 dBA	47.9 dBA	46.1 dBA	45.0 dBA
0.00.00	49.5 dBA	61.7 dBA	47.7 dBA	45.6 dBA	44.2 dBA	43.1 dBA
1.00.00	44.9 dBA	52.6 dBA	46.0 dBA	44.0 dBA	42.5 dBA	41.7 dBA
2.00.00	44.1 dBA	48.8 dBA	45.5 dBA	43.6 dBA	42.2 dBA	41.1 dBA
3.00.00	43.0 dBA	48.5 dBA	44.4 dBA	42.5 dBA	40.8 dBA	39.4 dBA
4.00.00	42.9 dBA	46.7 dBA	44.3 dBA	42.5 dBA	41.0 dBA	40.0 dBA
5.00.00	43.7 dBA	47.9 dBA	45.2 dBA	43.4 dBA	42.0 dBA	40.9 dBA
6.00.00	47.6 dBA	55.8 dBA	48.6 dBA	46.4 dBA	44.2 dBA	42.2 dBA
7.00.00	52.1 dBA	62.3 dBA	52.5 dBA	50.3 dBA	48.6 dBA	47.4 dBA
8.00.00	53.5 dBA	63.6 dBA	55.5 dBA	51.3 dBA	50.1 dBA	49.2 dBA
9.00.00	56.6 dBA	65.9 dBA	59.0 dBA	54.0 dBA	50.3 dBA	49.0 dBA
10.00.00	56.8 dBA	64.9 dBA	58.9 dBA	54.8 dBA	50.2 dBA	47.5 dBA
11.00.00	56.0 dBA	64.3 dBA	58.0 dBA	51.9 dBA	47.9 dBA	46.4 dBA
12.00.00	56.8 dBA	66.8 dBA	60.2 dBA	52.9 dBA	49.2 dBA	47.5 dBA

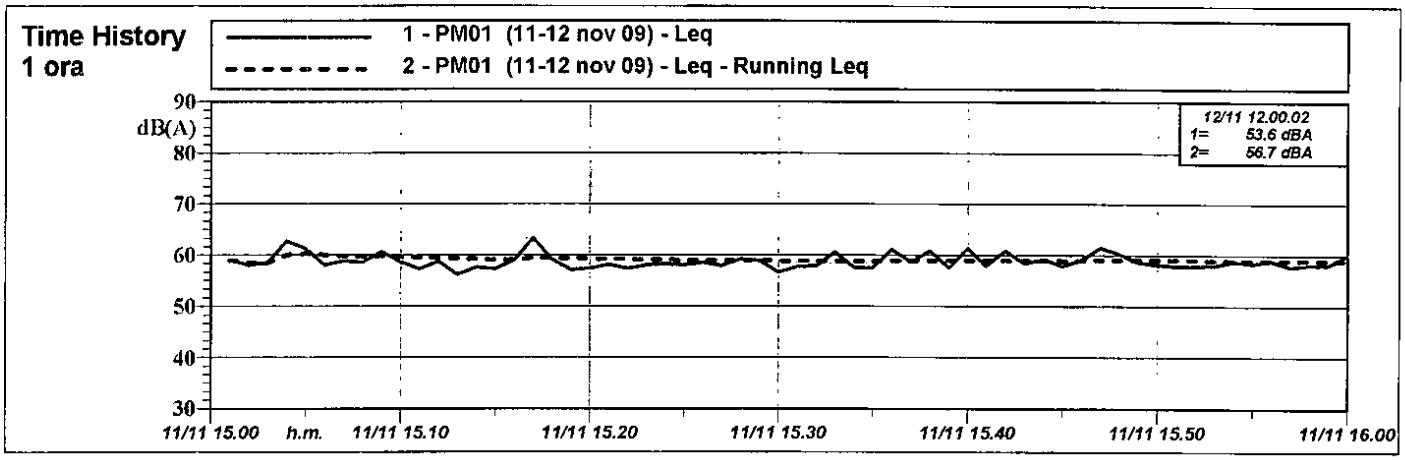
Time History - Periodo misura

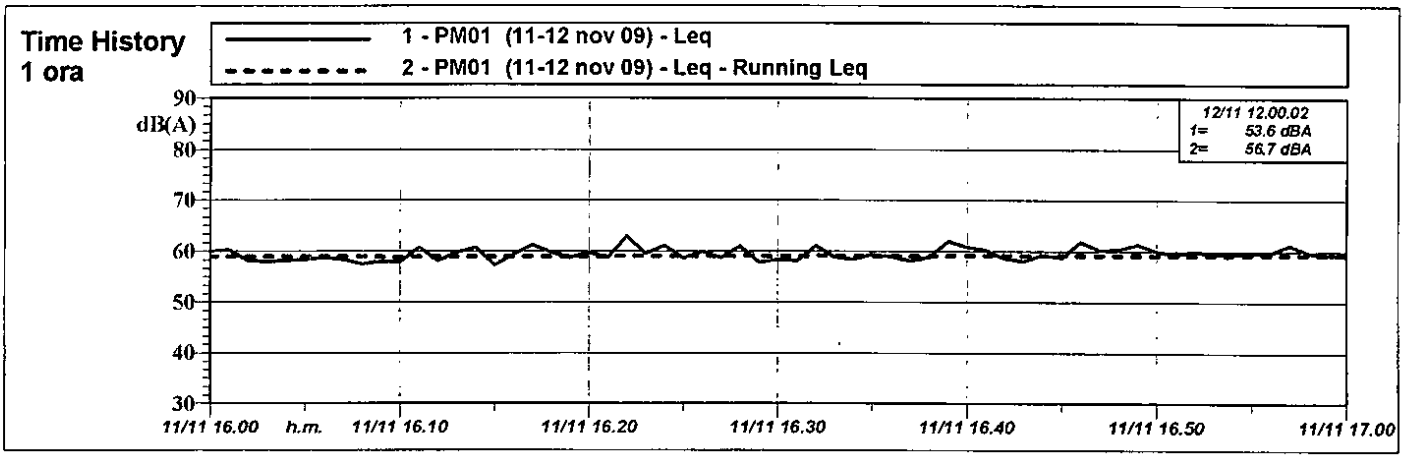


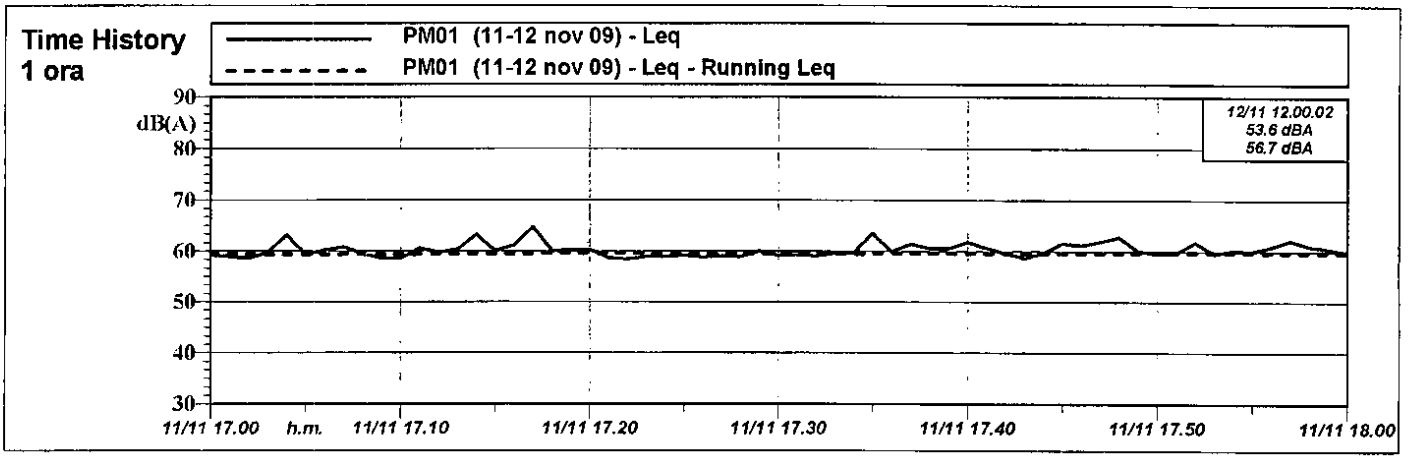
Progettazione Ambientale e Trasporti

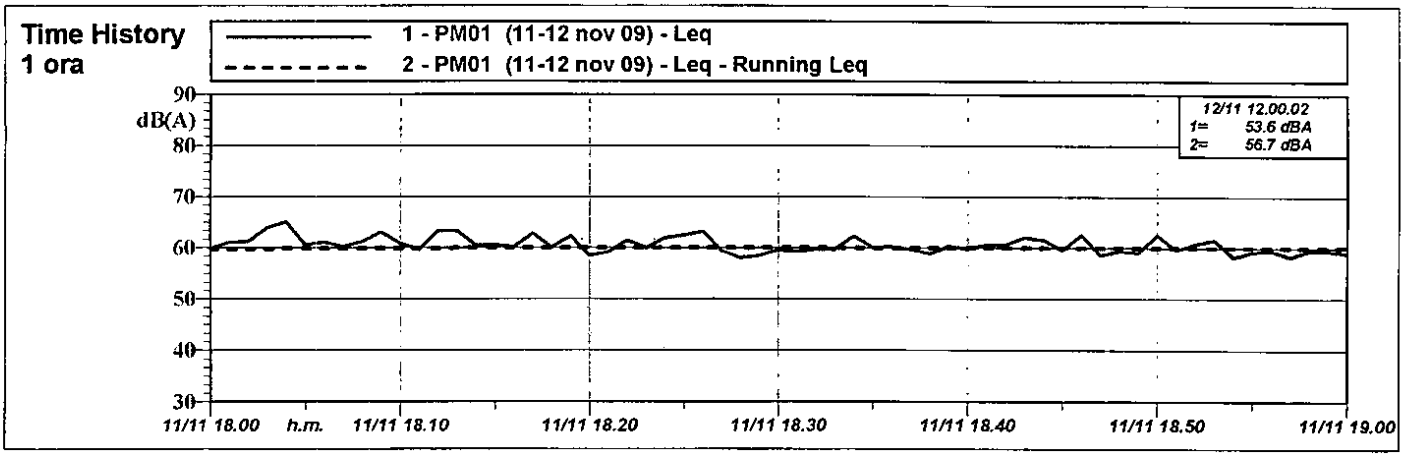
CARATTERIZZAZIONE ACUSTICA

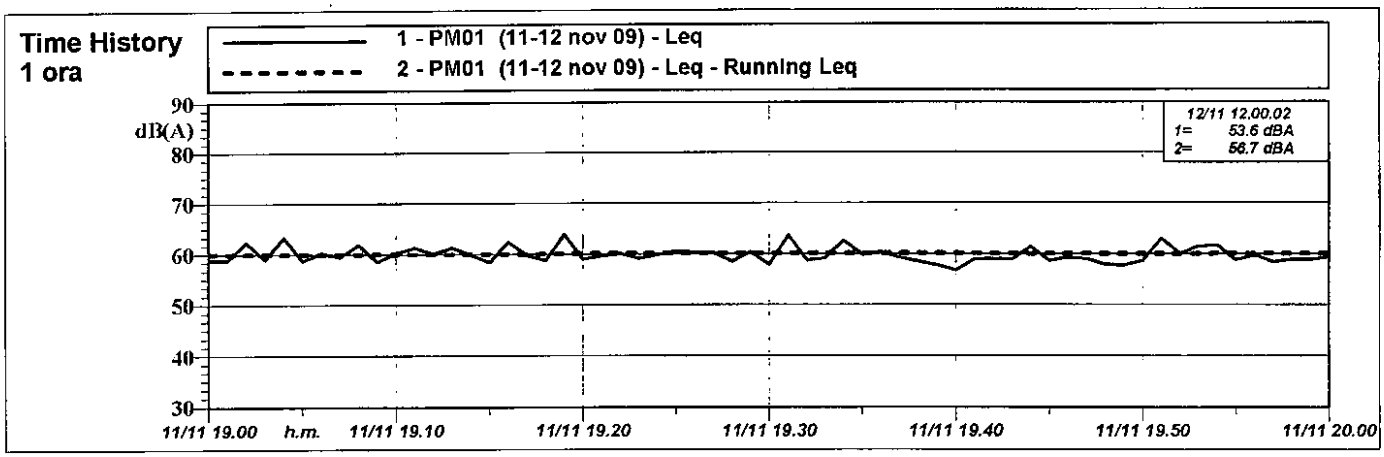
Localizzazione punto di misura e sintesi del rilievo fonometrico

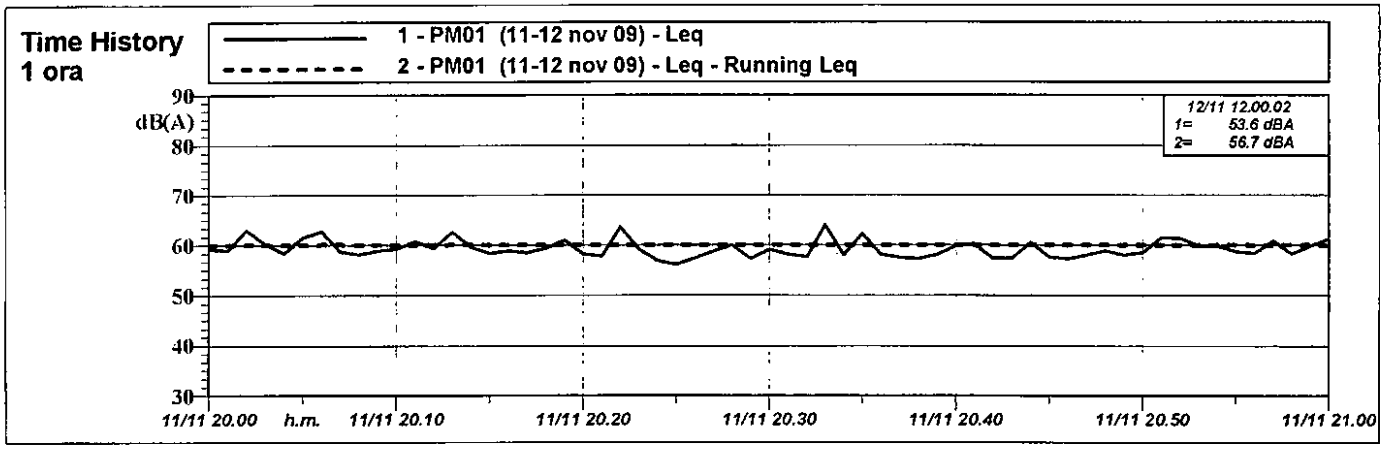


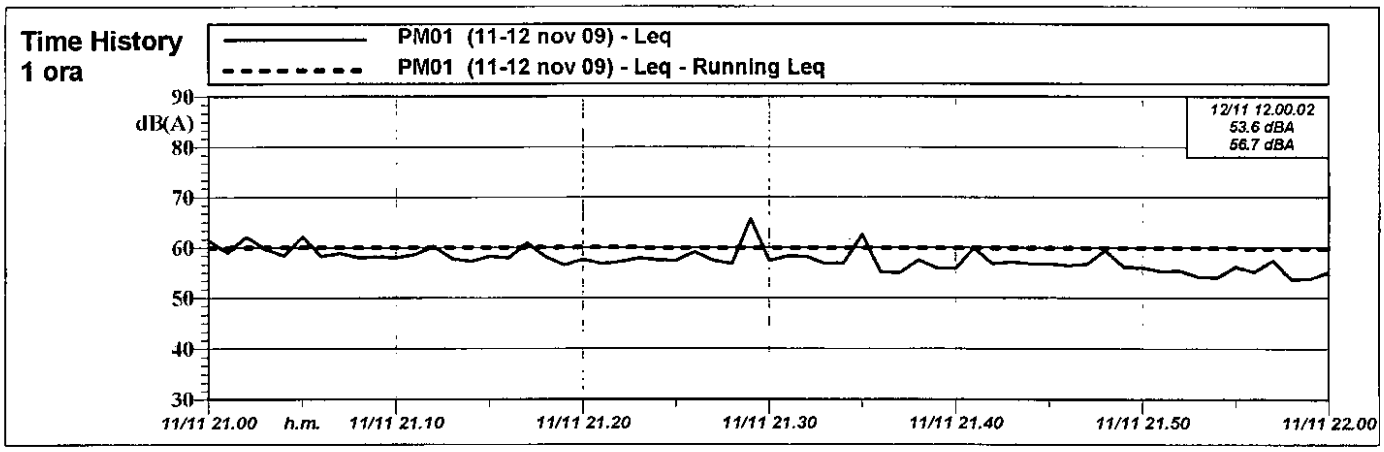


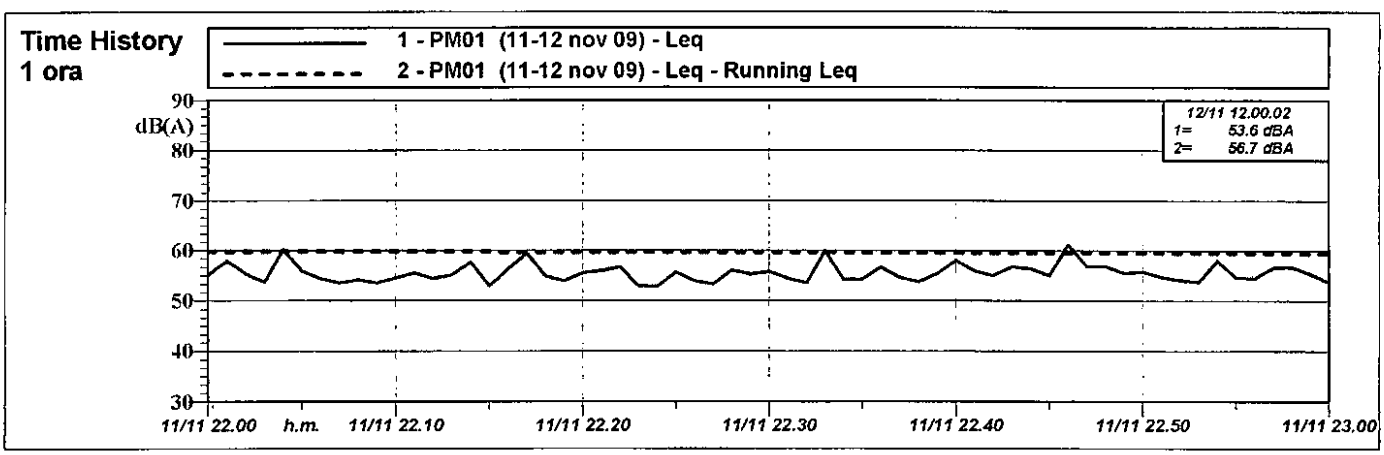


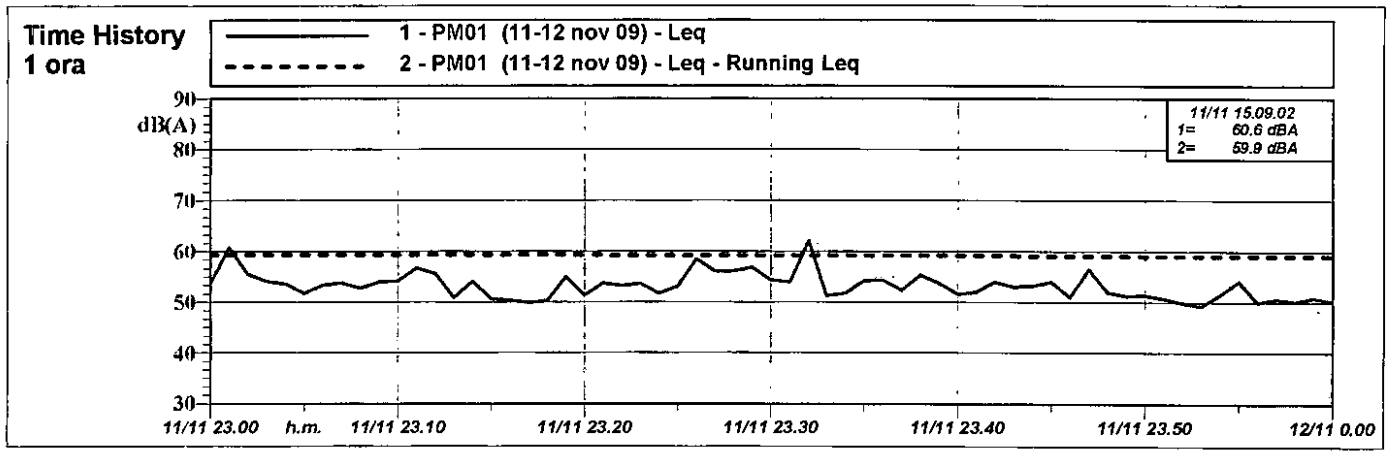


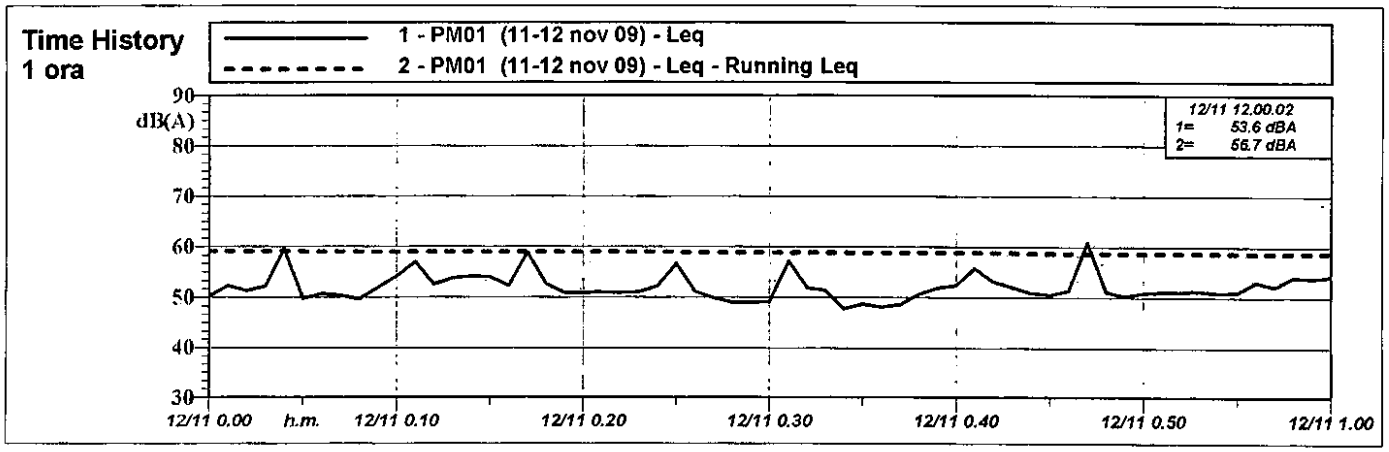

Time History
1 ora
1 - PM01 (11-12 nov 09) - Leq
2 - PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
1= 53.6 dBA
2= 56.7 dBA
11/11 19.00
h.m.
11/11 19.10
11/11 19.20
11/11 19.30
11/11 19.40
11/11 19.50
11/11 20.00

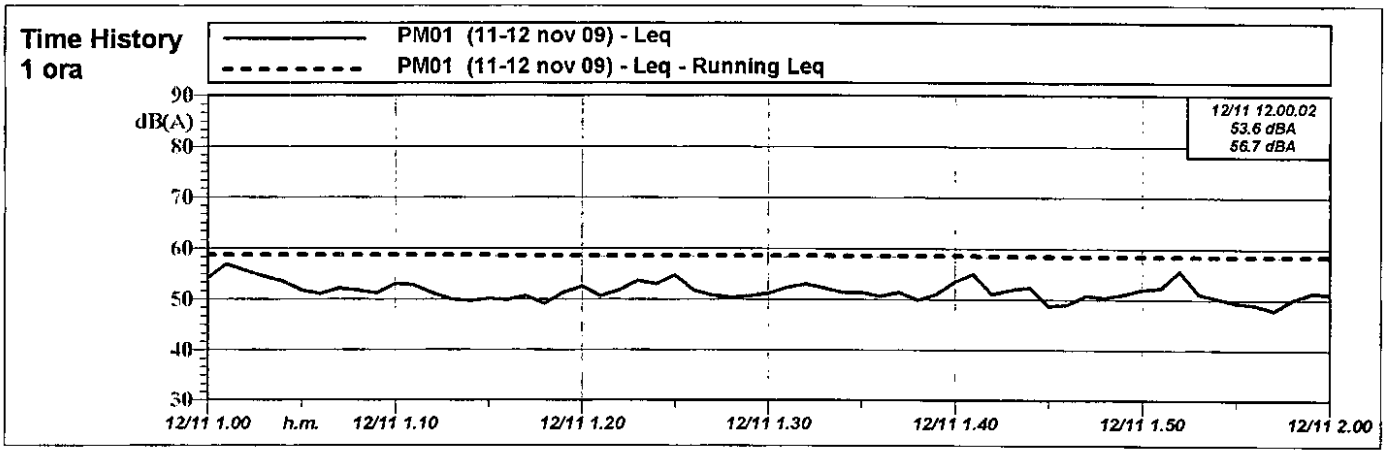

Time History
1 ora
1 - PM01 (11-12 nov 09) - Leq
2 - PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
1= 53.6 dBA
2= 56.7 dBA
11/11 20.00
h.m.
11/11 20.10
11/11 20.20
11/11 20.30
11/11 20.40
11/11 20.50
11/11 21.00

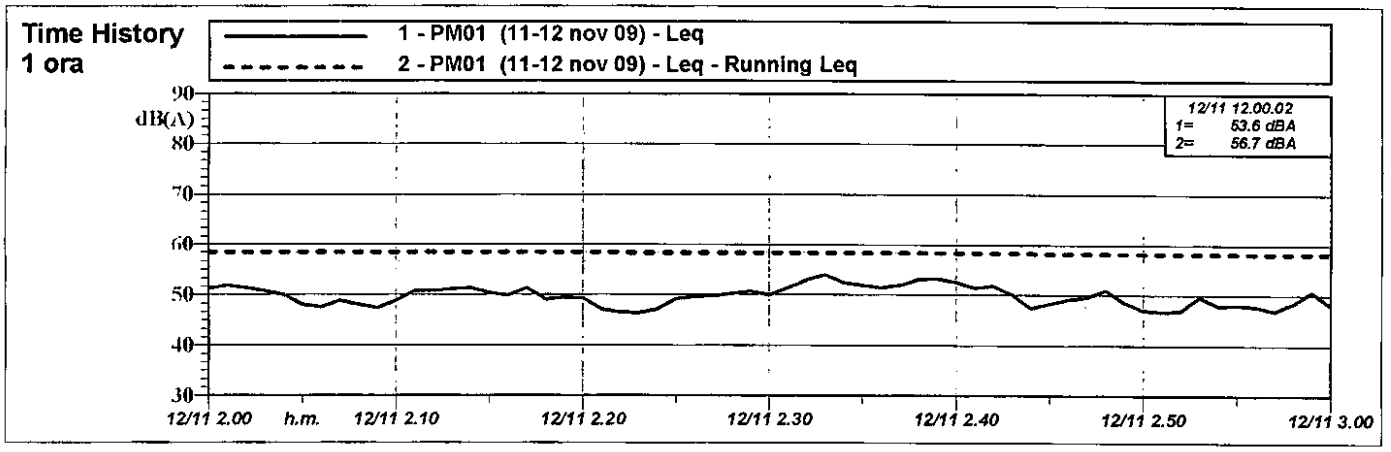

Time History
1 ora
PM01 (11-12 nov 09) - Leq
PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
53.6 dBA
56.7 dBA
11/11 21.00
h.m.
11/11 21.10
11/11 21.20
11/11 21.30
11/11 21.40
11/11 21.50
11/11 22.00


Time History
1 ora
1 - PM01 (11-12 nov 09) - Leq
2 - PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
1= 53.6 dBA
2= 56.7 dBA
11/11 22.00
h.m.
11/11 22.10
11/11 22.20
11/11 22.30
11/11 22.40
11/11 22.50
11/11 23.00

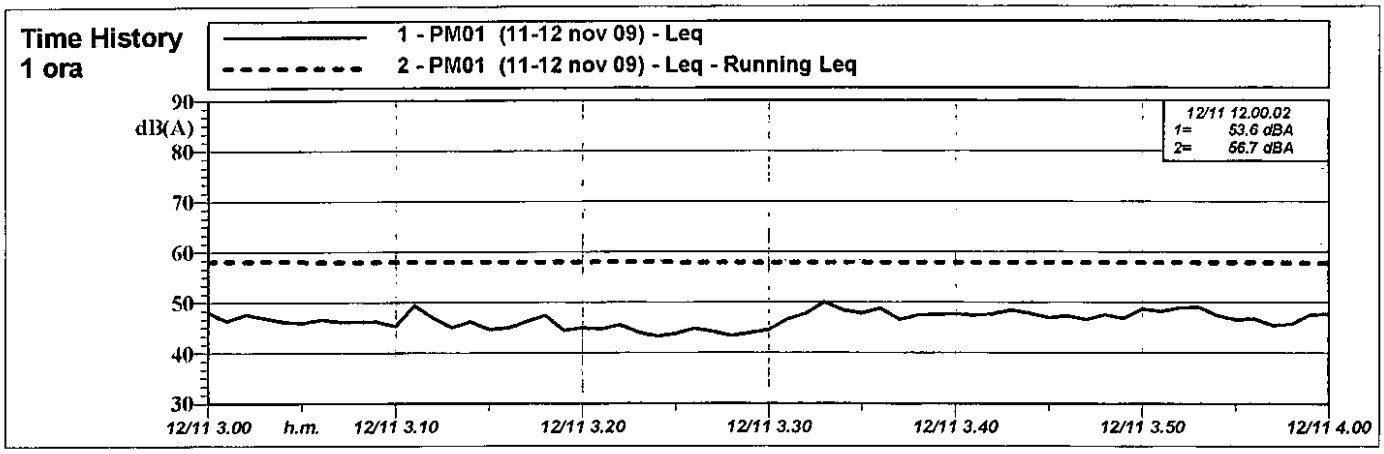

Time History
1 ora
1 - PM01 (11-12 nov 09) - Leq
2 - PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
11/11 15.09.02
1= 60.6 dBA
2= 59.9 dBA
11/11 23.00
h.m.
11/11 23.10
11/11 23.20
11/11 23.30
11/11 23.40
11/11 23.50
12/11 0.00

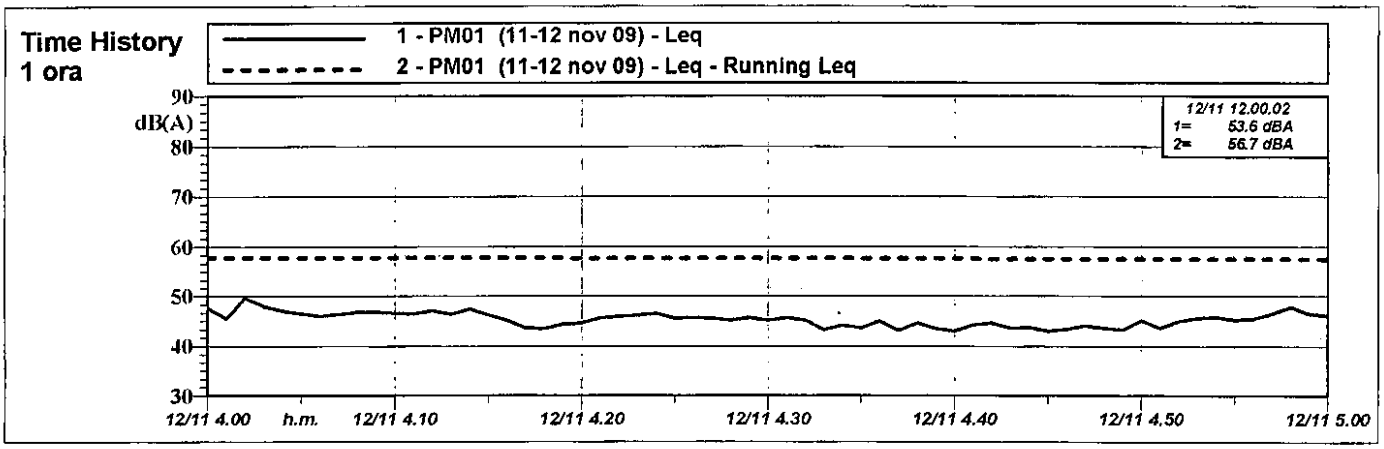

Time History
1 ora
1 - PM01 (11-12 nov 09) - Leq
2 - PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
1= 53.6 dBA
2= 56.7 dBA
12/11 0.00
h.m.
12/11 0.10
12/11 0.20
12/11 0.30
12/11 0.40
12/11 0.50
12/11 1.00

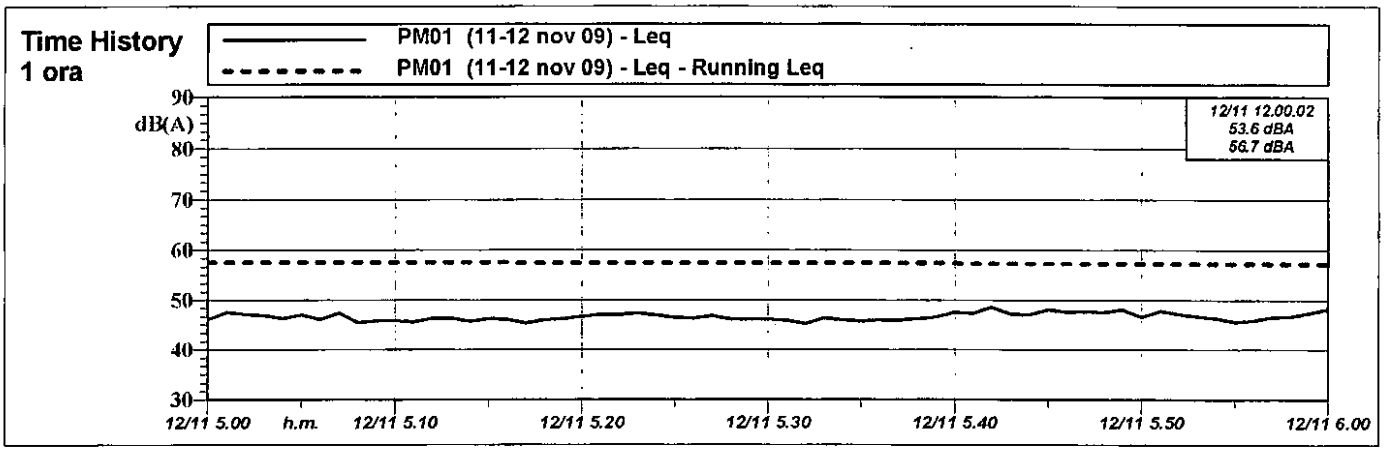

Time History
1 ora
PM01 (11-12 nov 09) - Leq
PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
53.6 dBA
56.7 dBA
12/11 1.00
h.m.
12/11 1.10
12/11 1.20
12/11 1.30
12/11 1.40
12/11 1.50
12/11 2.00

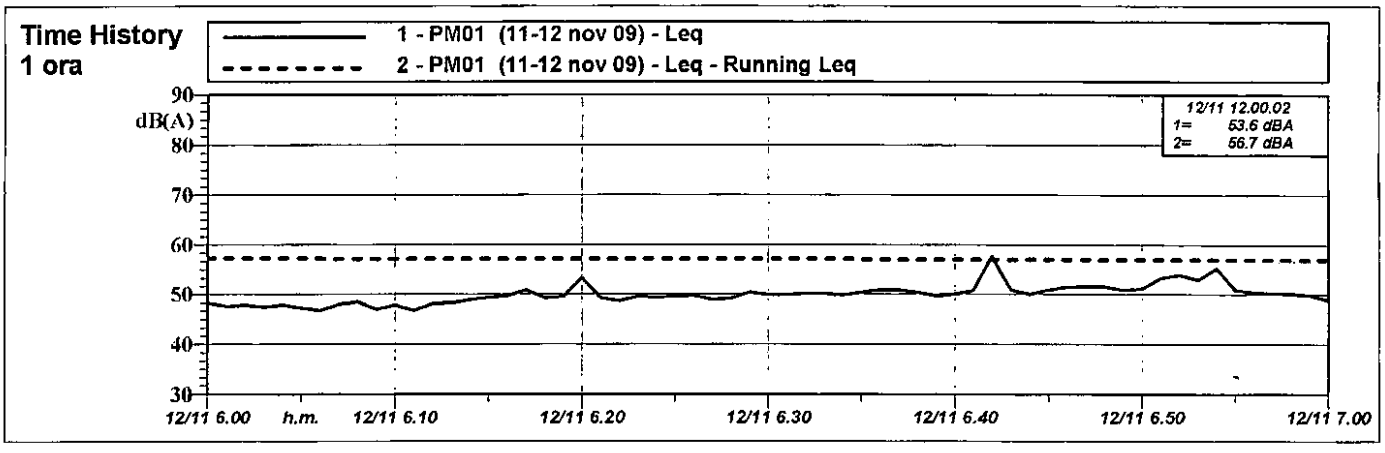

Time History
1 ora
1 - PM01 (11-12 nov 09) - Leq
2 - PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
1= 53.6 dBA
2= 56.7 dBA
12/11 2.00
h.m.
12/11 2.10
12/11 2.20
12/11 2.30
12/11 2.40
12/11 2.50
12/11 3.00

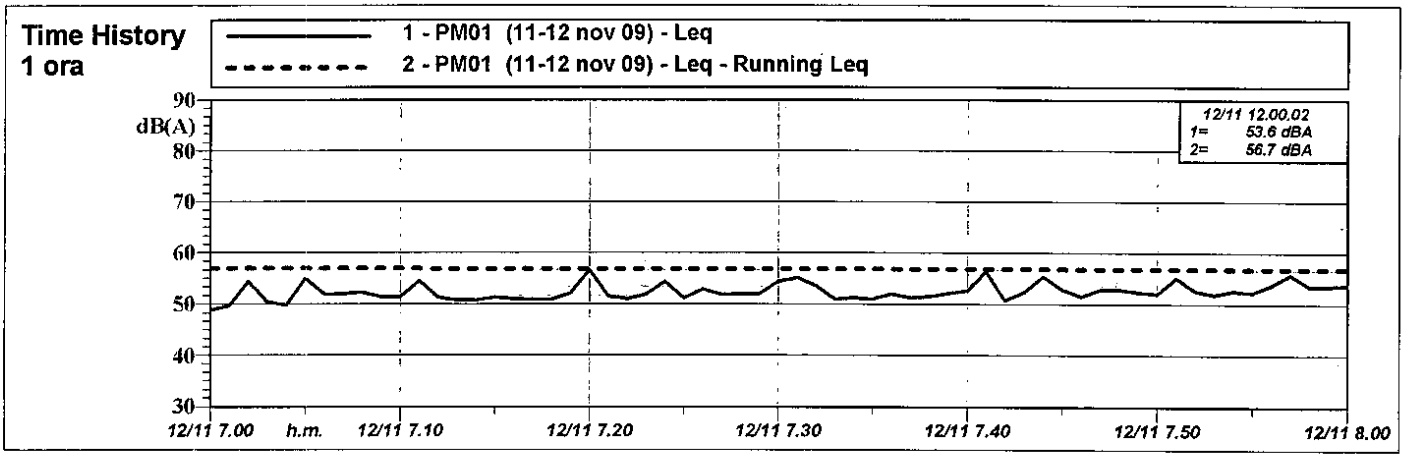
Progettazione Ambiente e Trasporti	CARATTERIZZAZIONE ACUSTICA
	Localizzazione punto di misura e sintesi del rilievo fonometrico

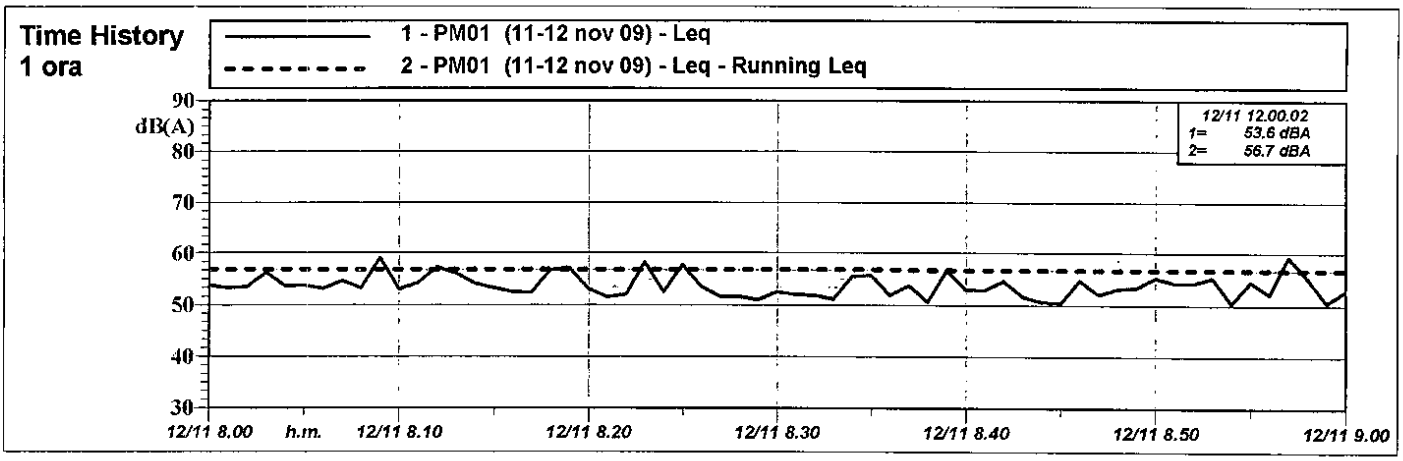


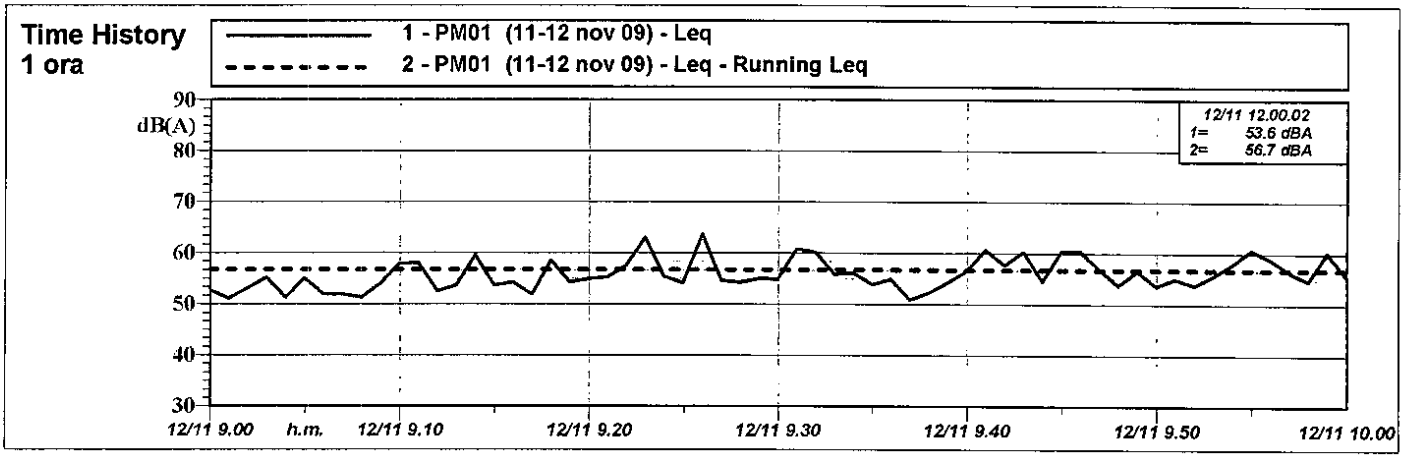


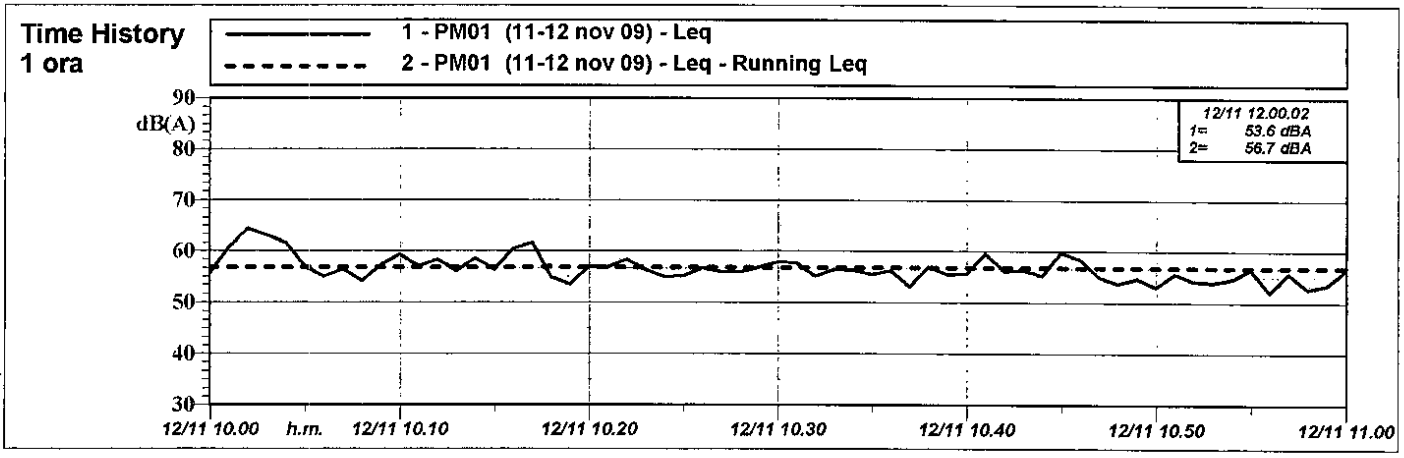


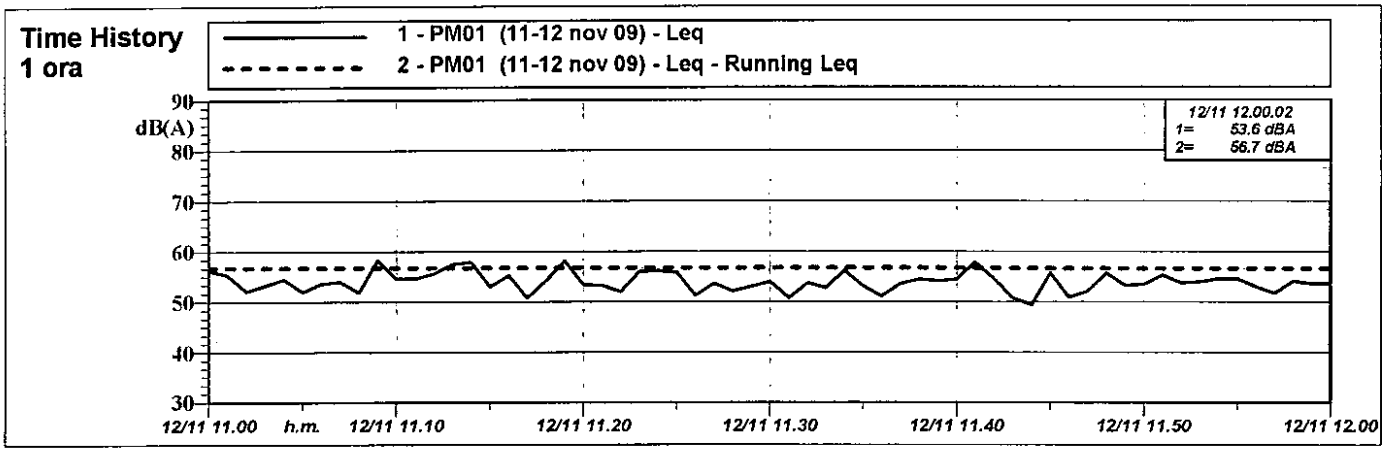



Time History
1 ora
1 - PM01 (11-12 nov 09) - Leq
2 - PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
1= 53.6 dBA
2= 56.7 dBA
12/11 7.00
h.m.
12/11 7.10
12/11 7.20
12/11 7.30
12/11 7.40
12/11 7.50
12/11 8.00


Time History
1 ora
1 - PM01 (11-12 nov 09) - Leq
2 - PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
1= 53.6 dBA
2= 56.7 dBA
12/11 8.00
h.m.
12/11 8.10
12/11 8.20
12/11 8.30
12/11 8.40
12/11 8.50
12/11 9.00


Time History
1 ora
1 - PM01 (11-12 nov 09) - Leq
2 - PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
1= 53.6 dBA
2= 56.7 dBA
12/11 9.00
h.m.
12/11 9.10
12/11 9.20
12/11 9.30
12/11 9.40
12/11 9.50
12/11 10.00


Time History
1 ora
1 - PM01 (11-12 nov 09) - Leq
2 - PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
1= 53.6 dBA
2= 56.7 dBA
12/11 10.00
h.m.
12/11 10.10
12/11 10.20
12/11 10.30
12/11 10.40
12/11 10.50
12/11 11.00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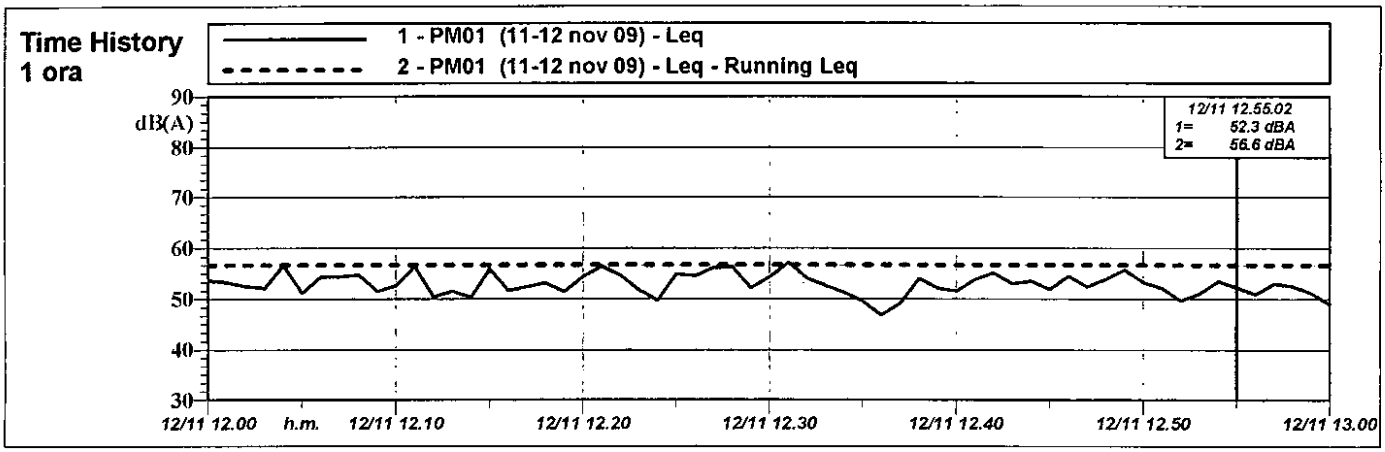
2 - PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
1= 53.6 dBA
2= 56.7 dBA
12/11 11.00
h.m.
12/11 11.10
12/11 11.20
12/11 11.30
12/11 11.40
12/11 11.50
12/11 12.00


Time History
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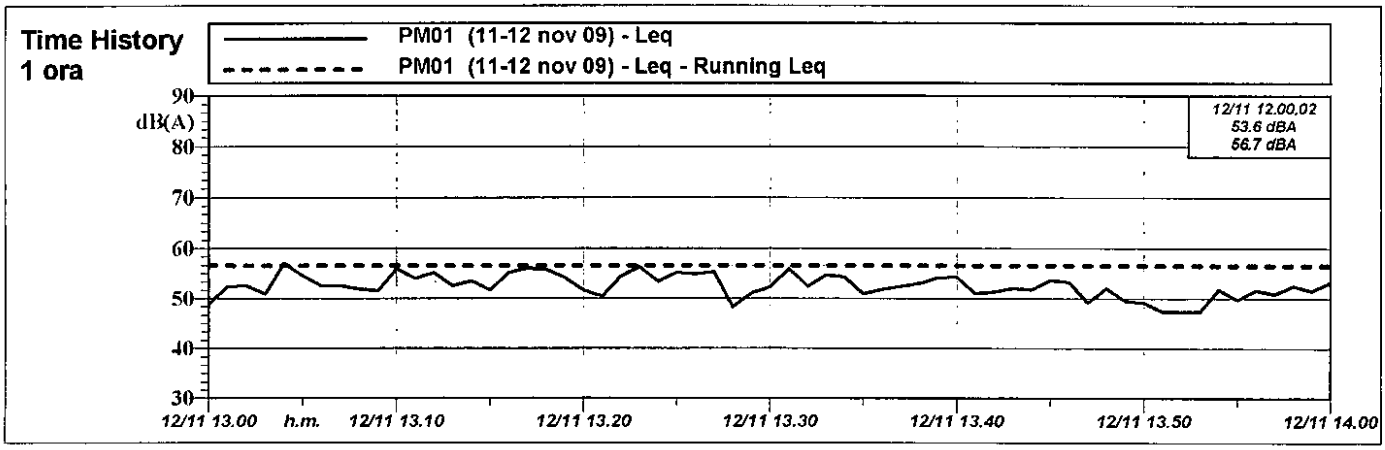
2 - PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.55.02
1= 52.3 dBA
2= 56.6 dBA
12/11 12.00
h.m.
12/11 12.10
12/11 12.20
12/11 12.30
12/11 12.40
12/11 12.50
12/11 13.00


Time History
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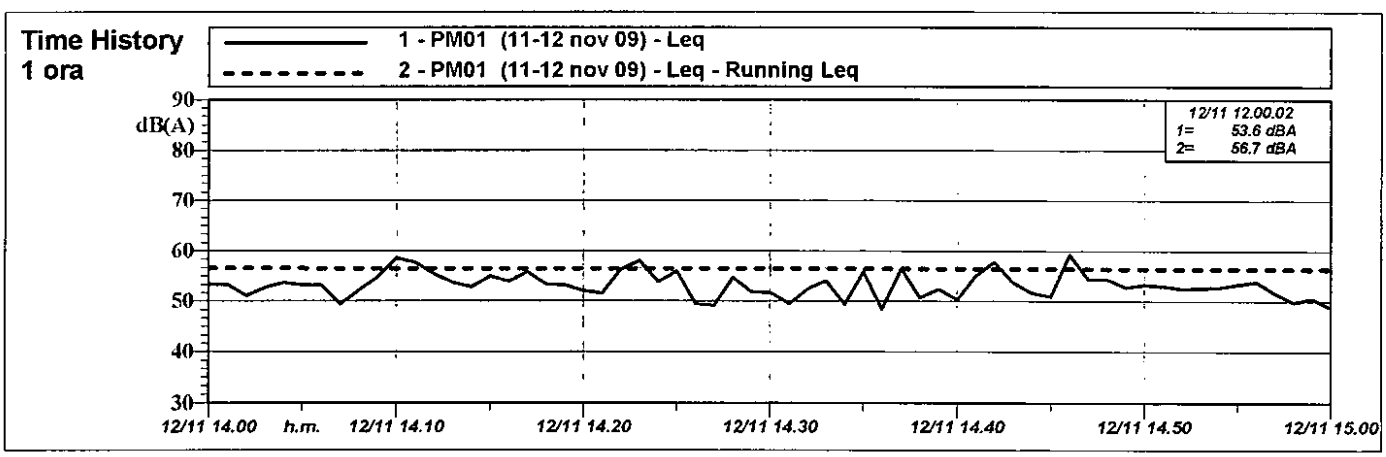
PM01 (11-12 nov 09) - Leq
PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
53.6 dBA
56.7 dBA
12/11 13.00
h.m.
12/11 13.10
12/11 13.20
12/11 13.30
12/11 13.40
12/11 13.50
12/11 14.00


Time History
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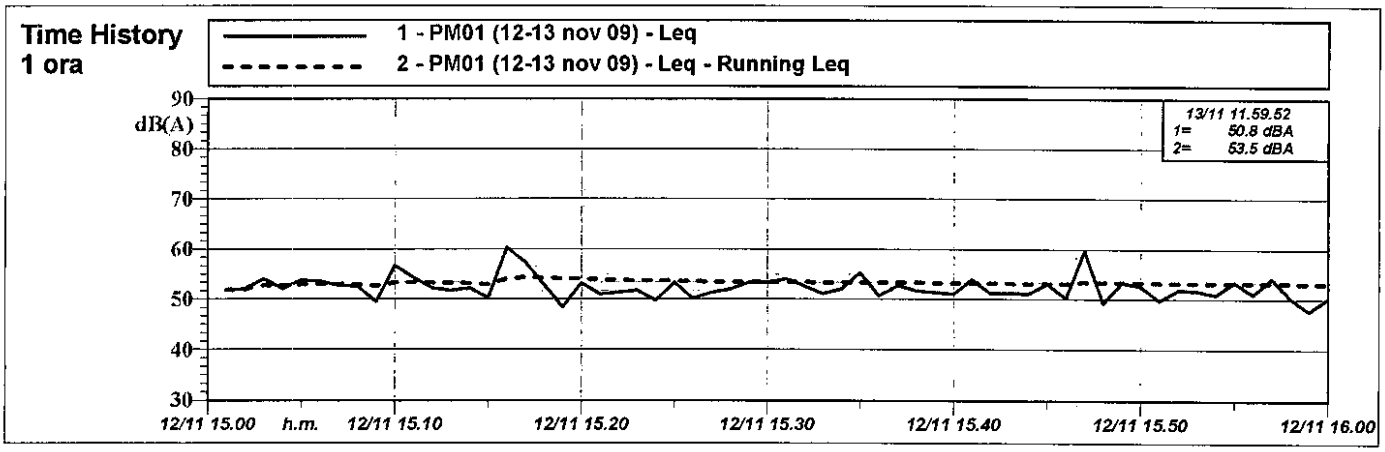
2 - PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
1= 53.6 dBA
2= 56.7 dBA
12/11 14.00
h.m.
12/11 14.10
12/11 14.20
12/11 14.30
12/11 14.40
12/11 14.50
12/11 15.00


Time History
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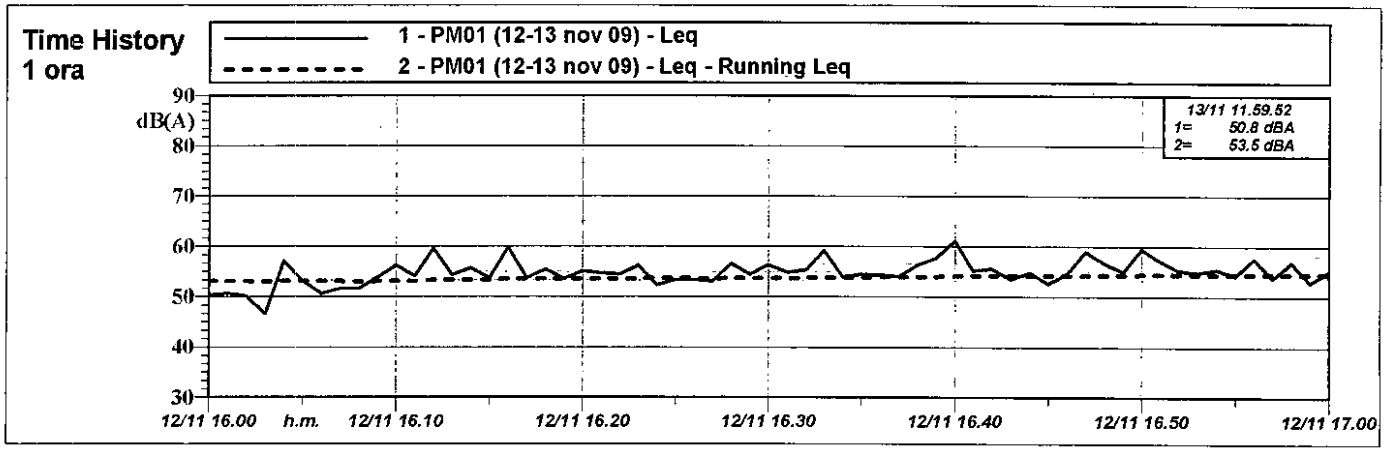
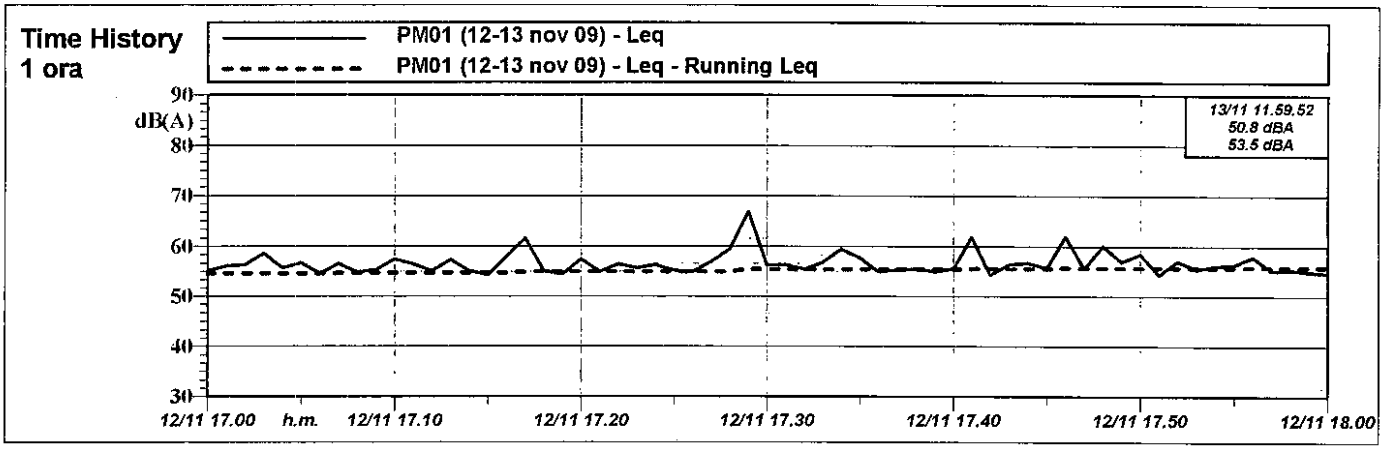
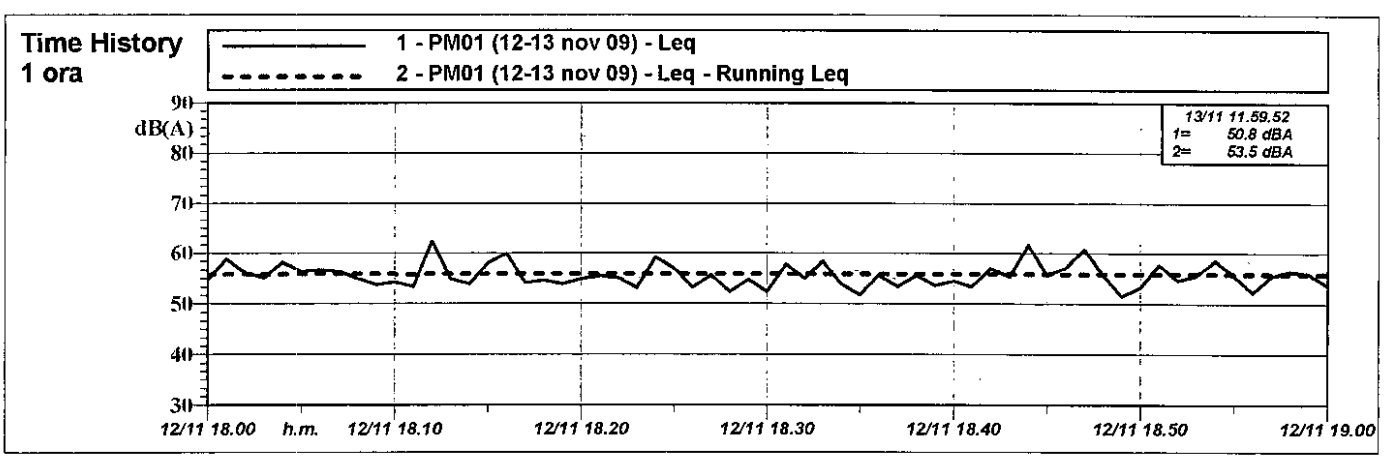
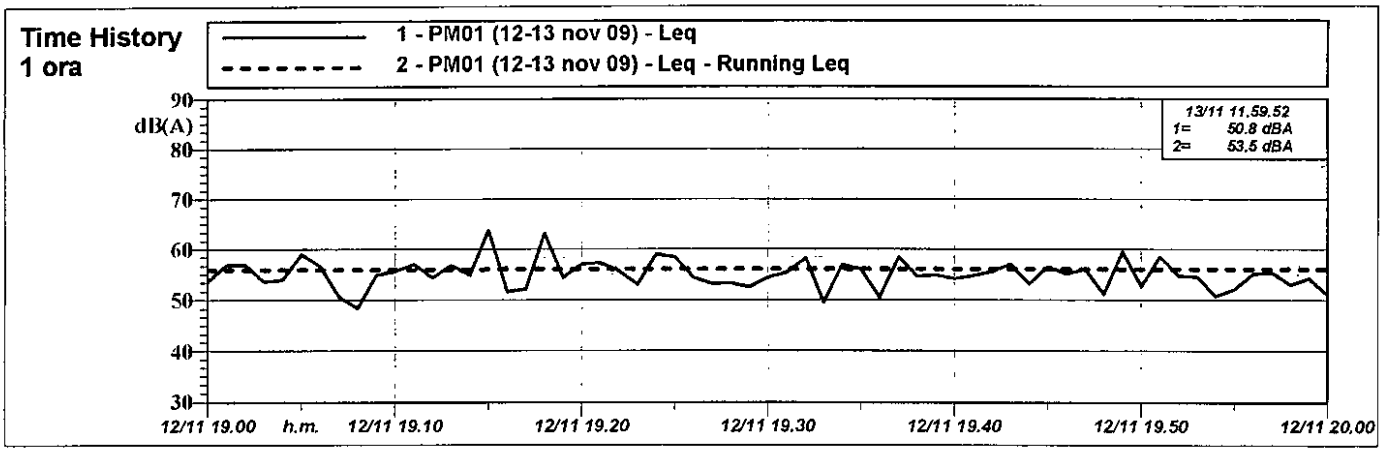
2 - PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 11.59.52
1= 50.8 dBA
2= 53.5 dBA
12/11 15.00
h.m.
12/11 15.10
12/11 15.20
12/11 15.30
12/11 15.40
12/11 15.50
12/11 16.00

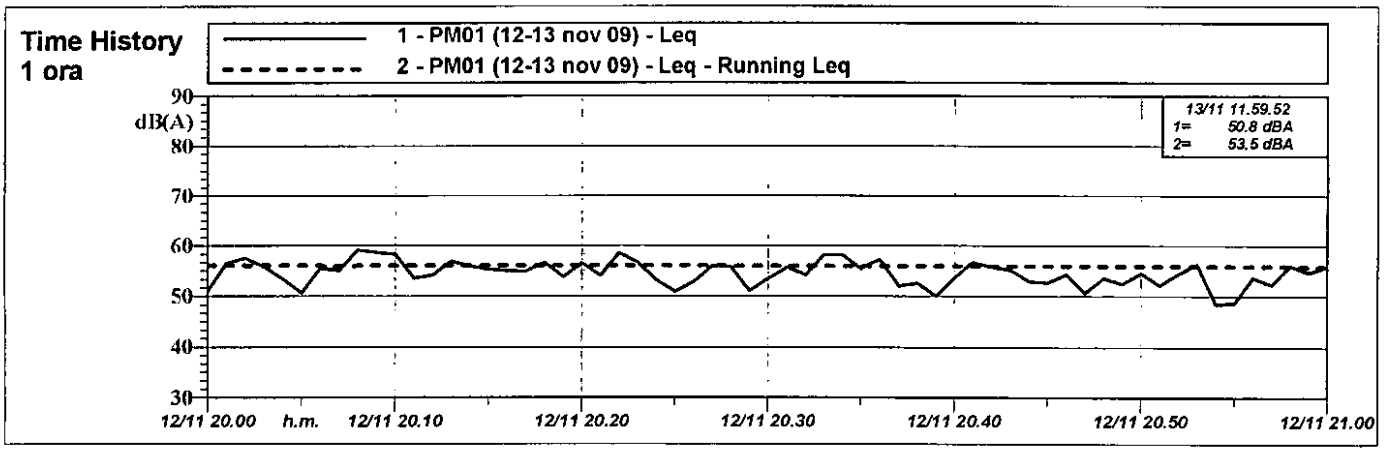

Time History
1 ora
1 - PM01 (12-13 nov 09) - Leq
2 - PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 11.59.52
1= 50.8 dBA
2= 53.5 dBA
12/11 16.00
h.m.
12/11 16.10
12/11 16.20
12/11 16.30
12/11 16.40
12/11 16.50
12/11 17.00

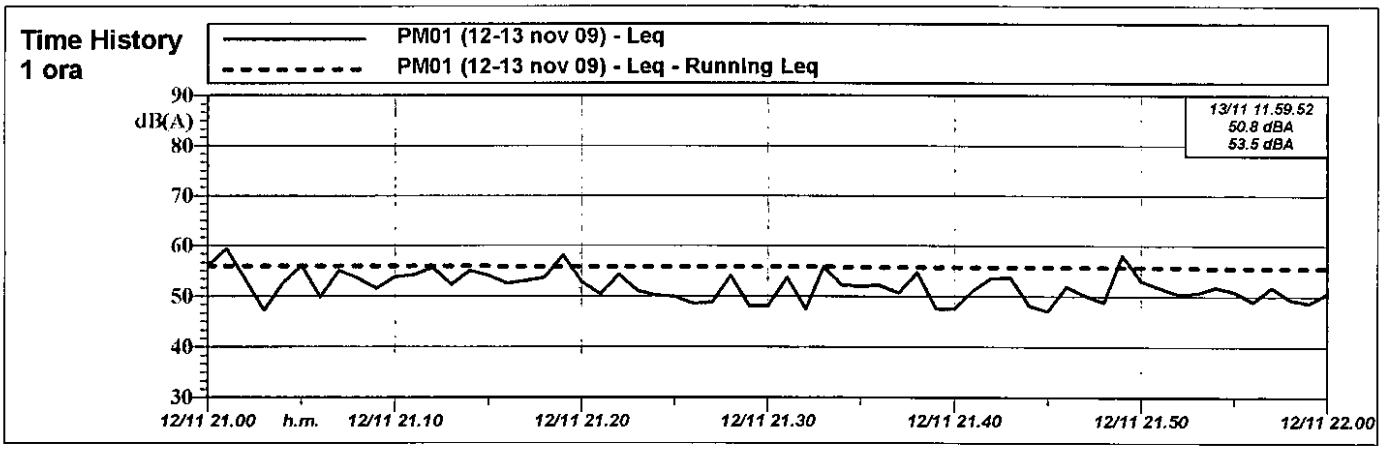

Time History
1 ora
PM01 (12-13 nov 09) - Leq
PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 11.59.52
50.8 dBA
53.5 dBA
12/11 17.00
h.m.
12/11 17.10
12/11 17.20
12/11 17.30
12/11 17.40
12/11 17.50
12/11 18.00

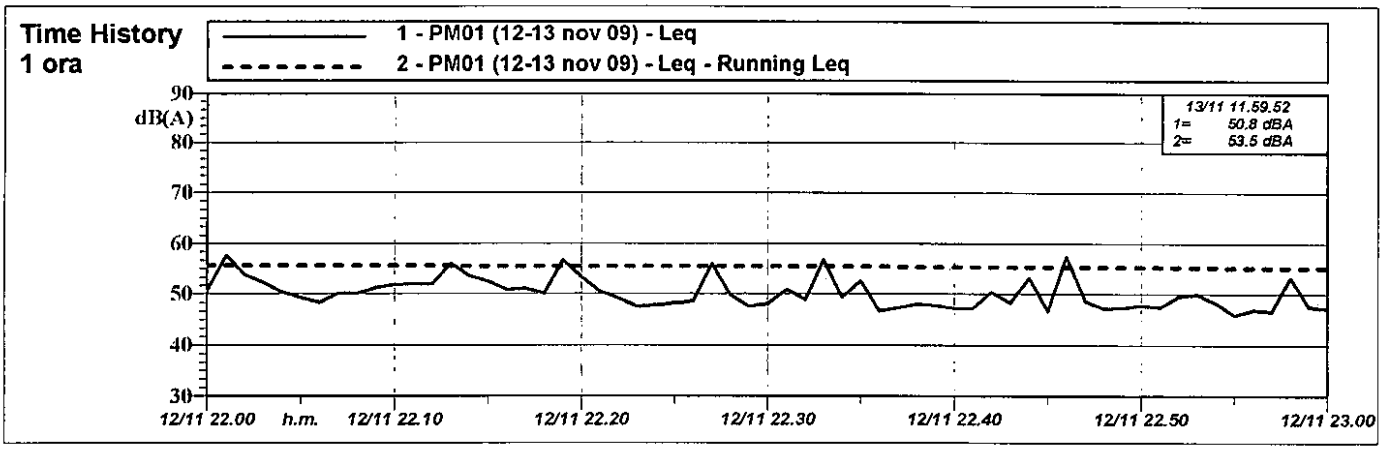

Time History
1 ora
1 - PM01 (12-13 nov 09) - Leq
2 - PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 11.59.52
1= 50.8 dBA
2= 53.5 dBA
12/11 18.00
h.m.
12/11 18.10
12/11 18.20
12/11 18.30
12/11 18.40
12/11 18.50
12/11 19.00

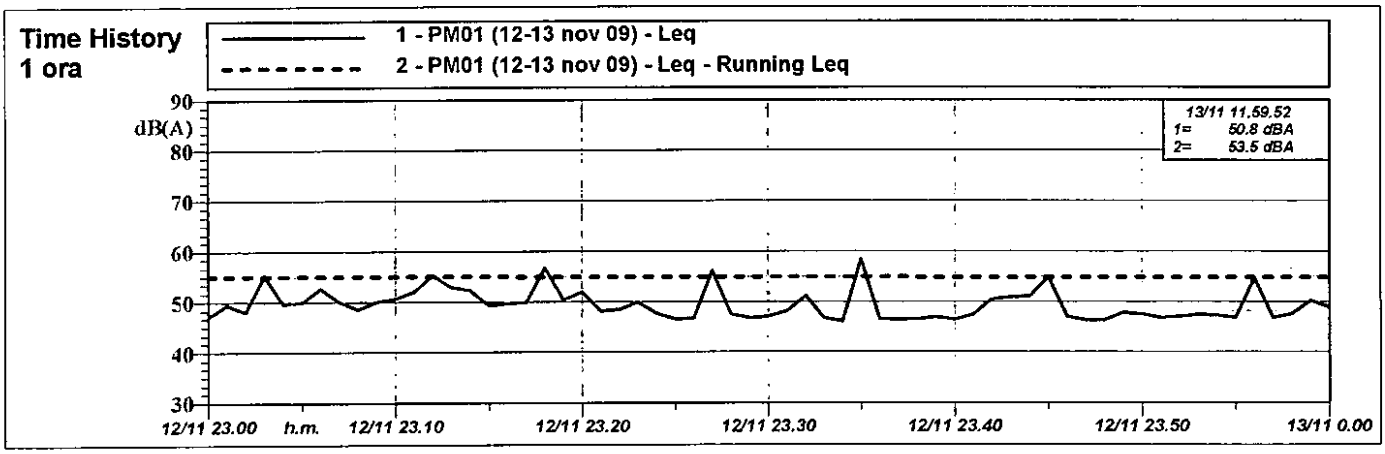
Progettazione Ambiente e Trasporti	CARATTERIZZAZIONE ACUSTICA Localizzazione punto di misura e sintesi del rilievo fonometrico

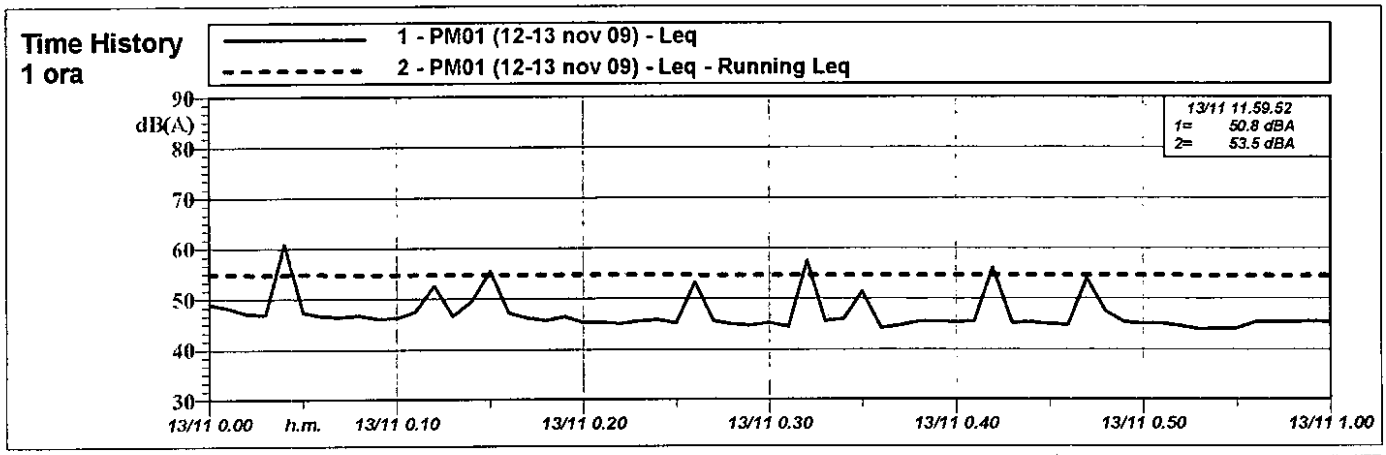









Time History
1 ora
1 - PM01 (12-13 nov 09) - Leq
2 - PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 11.59.52
1= 50.8 dBA
2= 53.5 dBA
12/11 23.00
h.m.
12/11 23.10
12/11 23.20
12/11 23.30
12/11 23.40
12/11 23.50
13/11 0.00


Time History
1 ora
1 - PM01 (12-13 nov 09) - Leq
2 - PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
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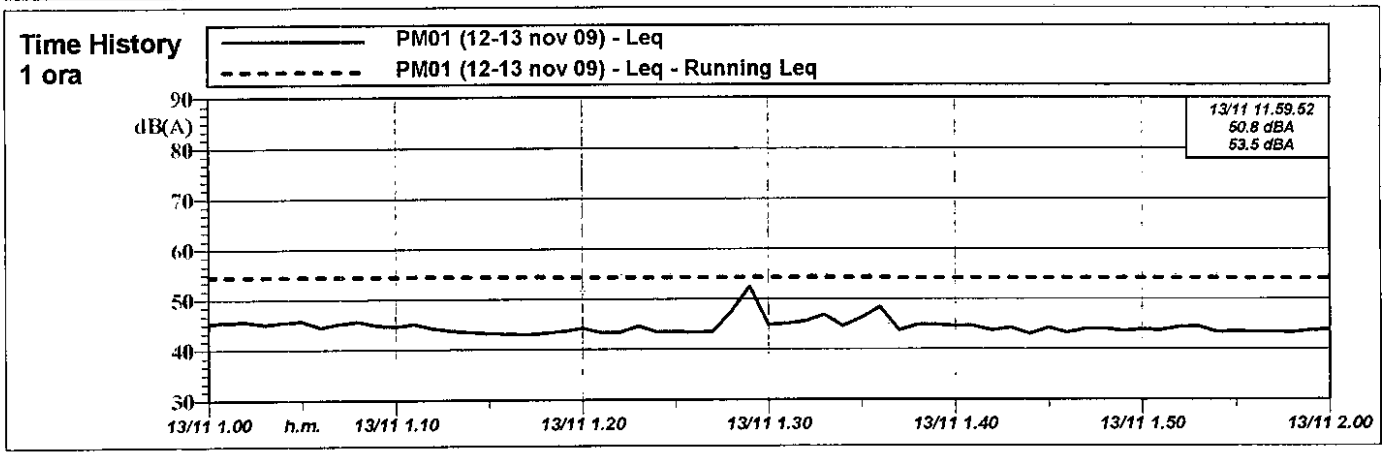
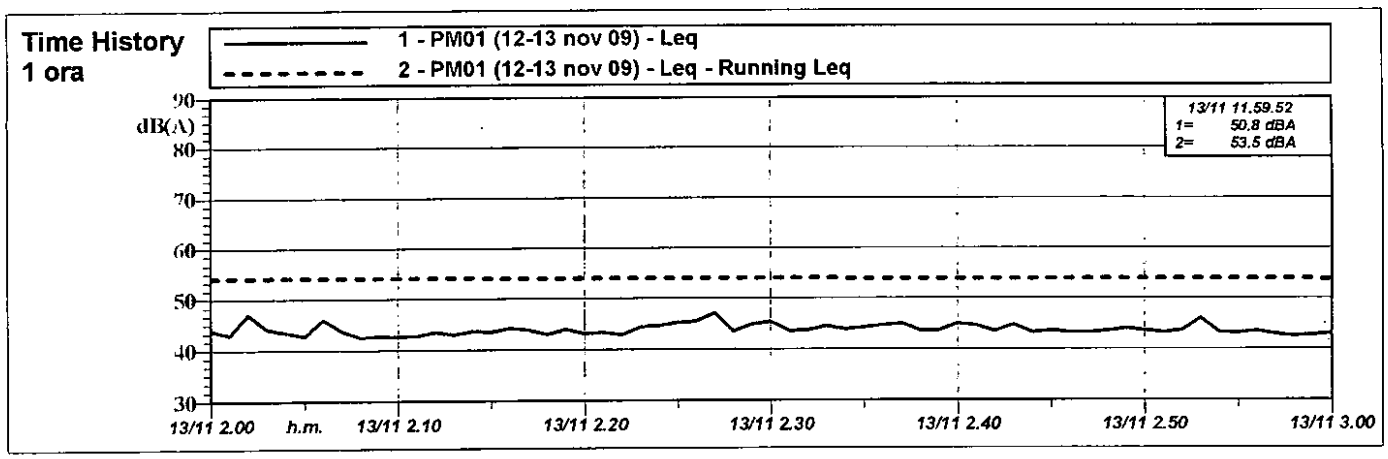
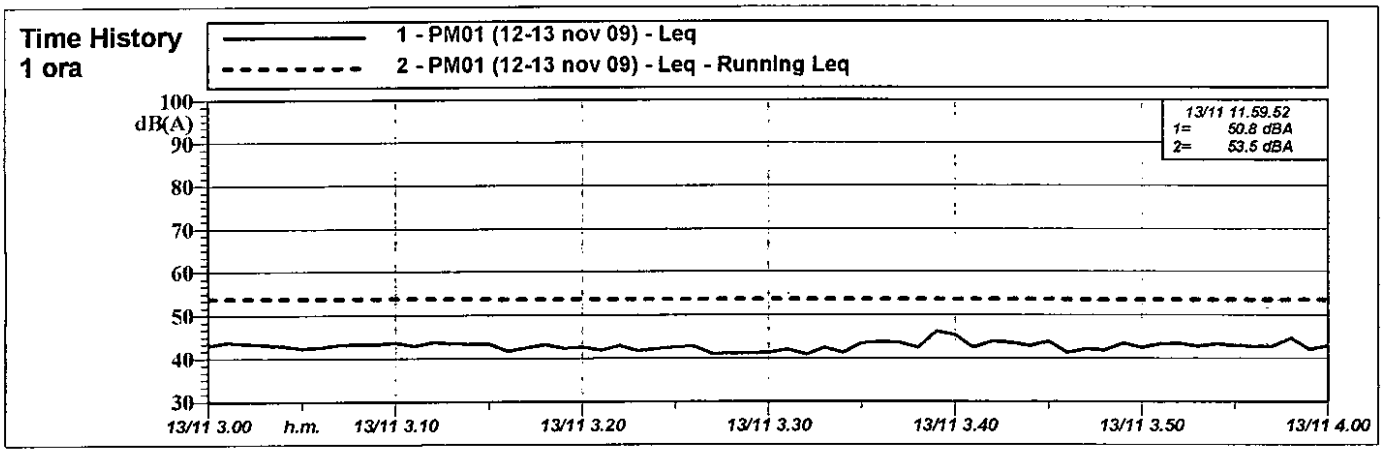
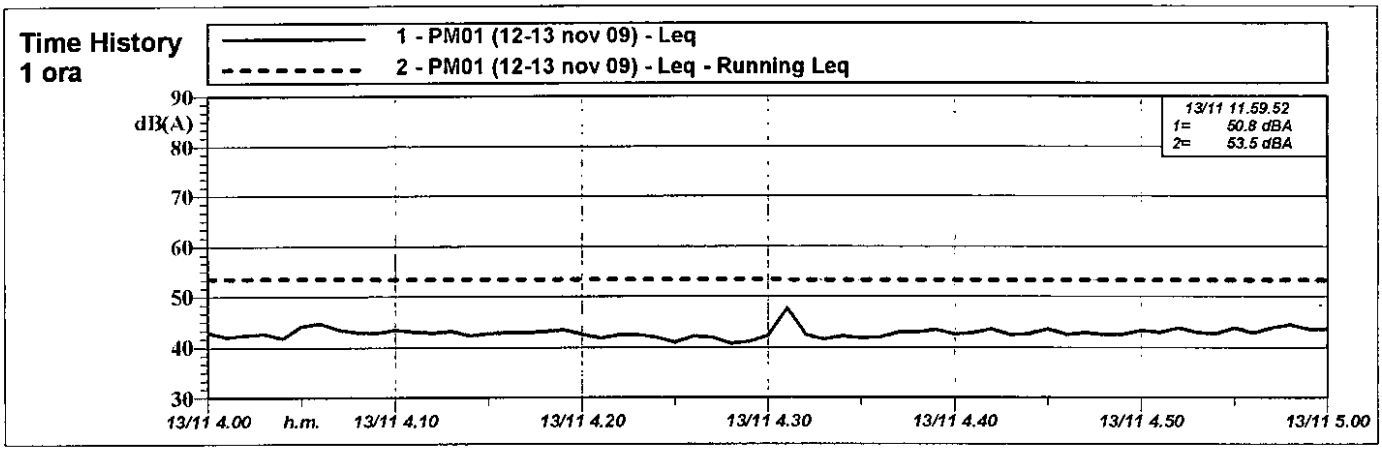
60
50
40
30
13/11 11.59.52
1= 50.8 dBA
2= 53.5 dBA
13/11 0.00
h.m.
13/11 0.10
13/11 0.20
13/11 0.30
13/11 0.40
13/11 0.50
13/11 1.00


Time History
1 ora
PM01 (12-13 nov 09) - Leq
PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 11.59.52
50.8 dBA
53.5 dBA
13/11 1.00
h.m.
13/11 1.10
13/11 1.20
13/11 1.30
13/11 1.40
13/11 1.50
13/11 2.00


Time History
1 ora
1 - PM01 (12-13 nov 09) - Leq
2 - PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 11.59.52
1= 50.8 dBA
2= 53.5 dBA
13/11 2.00
h.m.
13/11 2.10
13/11 2.20
13/11 2.30
13/11 2.40
13/11 2.50
13/11 3.00


Time History
1 ora
1 - PM01 (12-13 nov 09) - Leq
2 - PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
100
90
80
70
60
50
40
30
13/11 11.59.52
1= 50.8 dBA
2= 53.5 dBA
13/11 3.00
h.m.
13/11 3.10
13/11 3.20
13/11 3.30
13/11 3.40
13/11 3.50
13/11 4.00


Time History
1 ora
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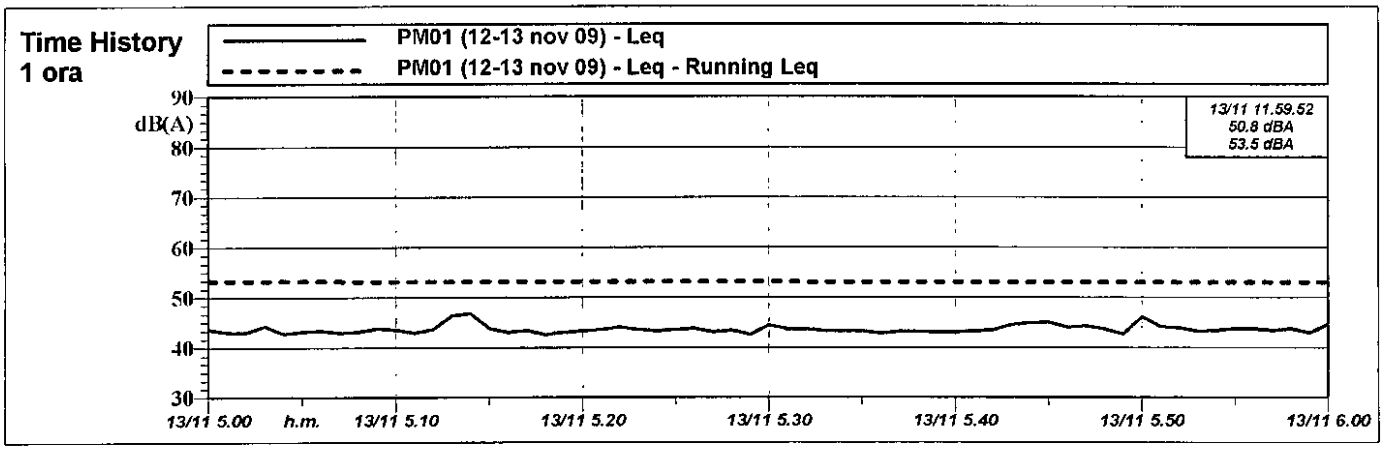
2 - PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 11.59.52
1= 50.8 dBA
2= 53.5 dBA
13/11 4.00
h.m.
13/11 4.10
13/11 4.20
13/11 4.30
13/11 4.40
13/11 4.50
13/11 5.00


Time History
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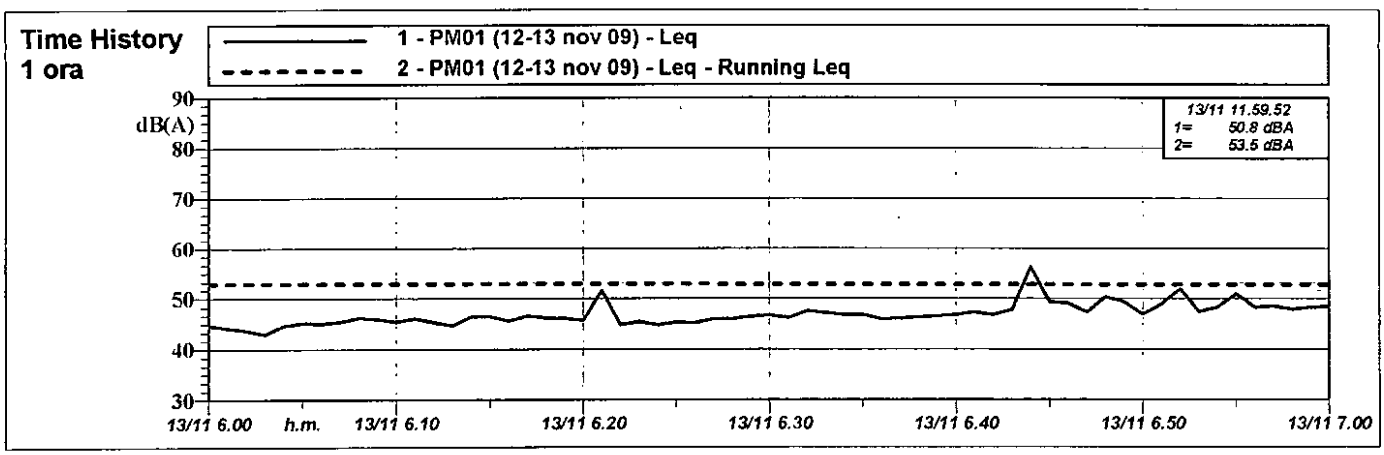
PM01 (12-13 nov 09) - Leq
PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 11.59.52
50.8 dBA
53.5 dBA
13/11 5.00
h.m.
13/11 5.10
13/11 5.20
13/11 5.30
13/11 5.40
13/11 5.50
13/11 6.00


Time History
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2 - PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
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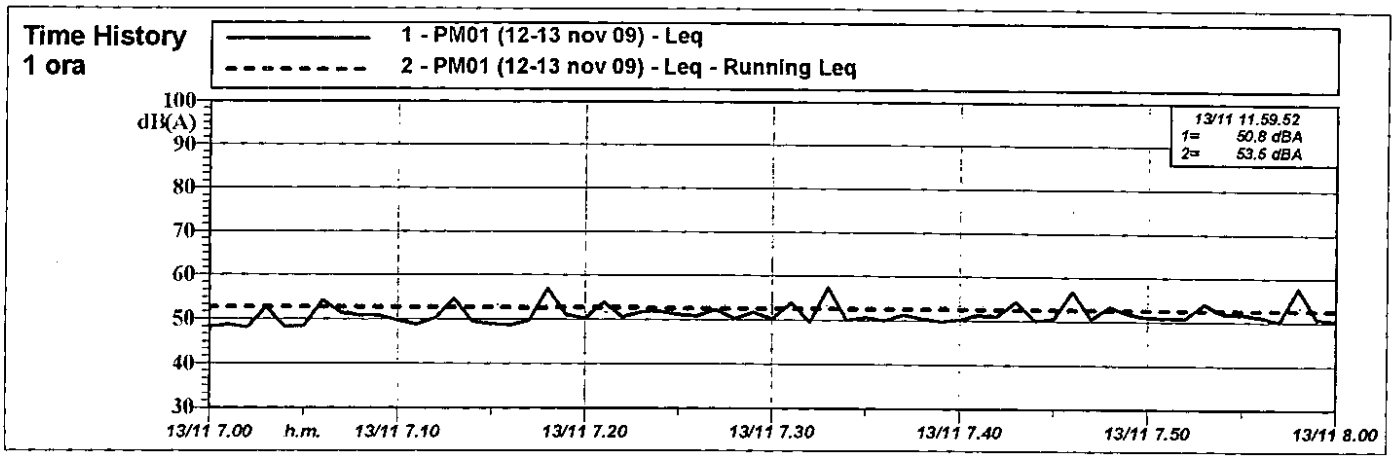
60
50
40
30
13/11 11.59.52
1= 50.8 dBA
2= 53.5 dBA
13/11 6.00
h.m.
13/11 6.10
13/11 6.20
13/11 6.30
13/11 6.40
13/11 6.50
13/11 7.00


Time History
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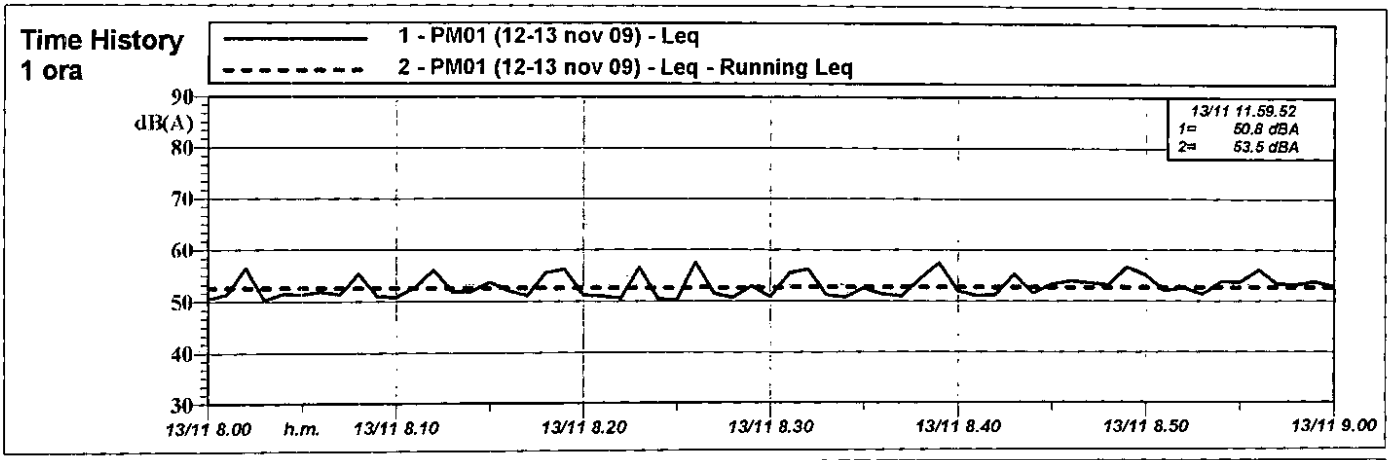
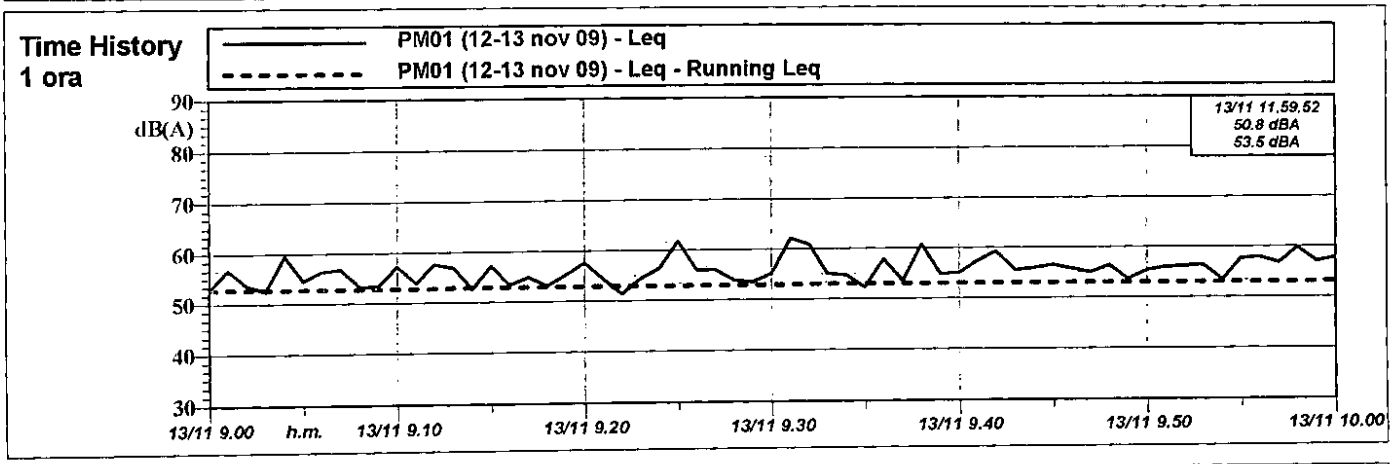
2 - PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
100
90
80
70
60
50
40
30
13/11 11.59.52
1= 50.8 dBA
2= 53.5 dBA
13/11 7.00
h.m.
13/11 7.10
13/11 7.20
13/11 7.30
13/11 7.40
13/11 7.50
13/11 8.00


Time History
1 ora
1 - PM01 (12-13 nov 09) - Leq
2 - PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 11.59.52
1= 50.8 dBA
2= 53.5 dBA
13/11 8.00
h.m.
13/11 8.10
13/11 8.20
13/11 8.30
13/11 8.40
13/11 8.50
13/11 9.00


Time History
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PM01 (12-13 nov 09) - Leq
PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
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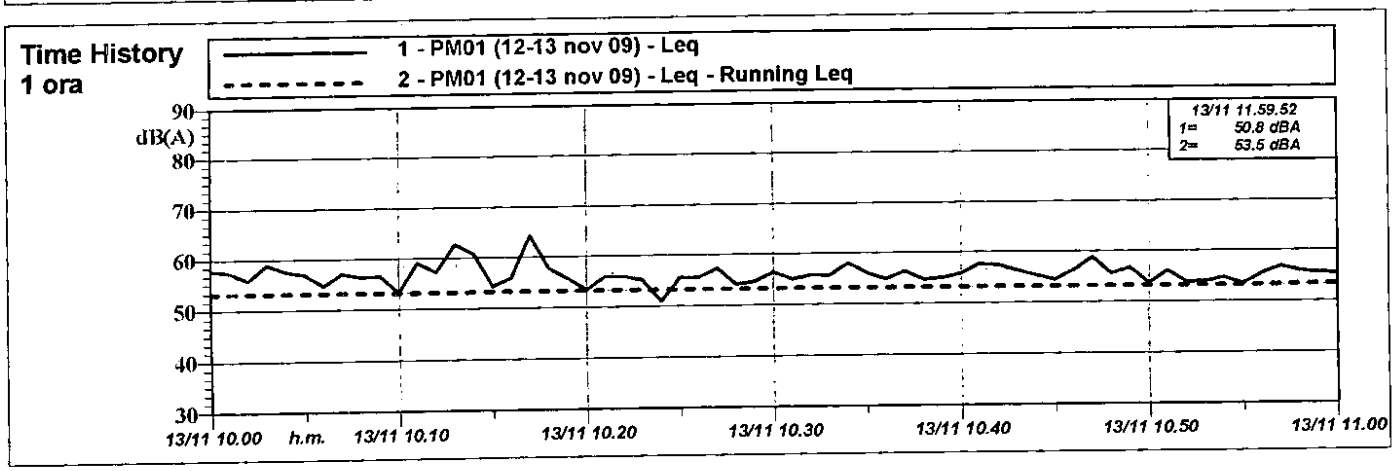
70
60
50
40
30
13/11 11.59.52
50.8 dBA
53.5 dBA
13/11 9.00
h.m.
13/11 9.10
13/11 9.20
13/11 9.30
13/11 9.40
13/11 9.50
13/11 10.00


Time History
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2 - PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
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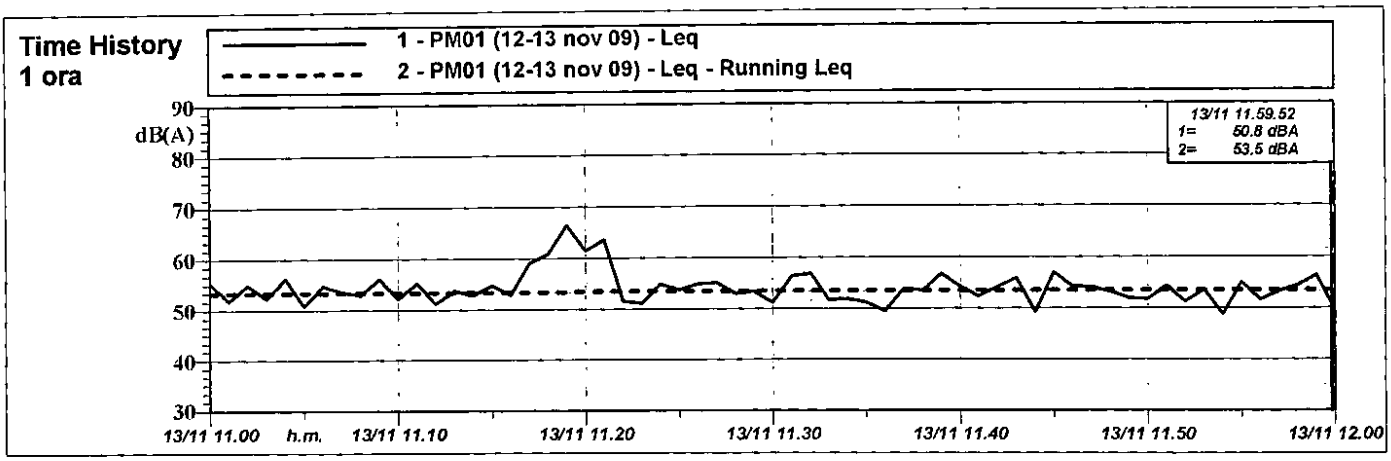
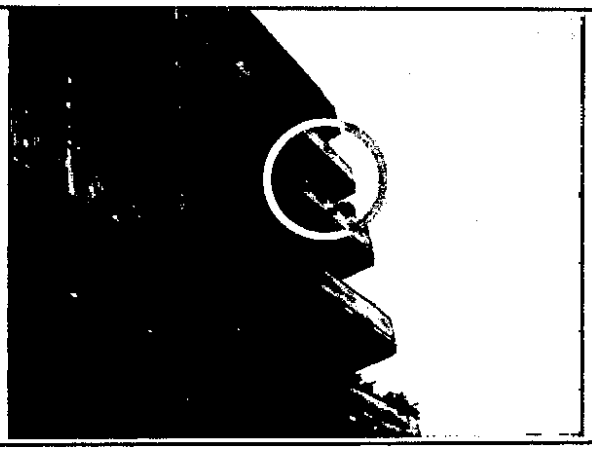
50
40
30
13/11 11.59.52
1= 50.8 dBA
2= 53.5 dBA
13/11 10.00
h.m.
13/11 10.10
13/11 10.20
13/11 10.30
13/11 10.40
13/11 10.50
13/11 11.00

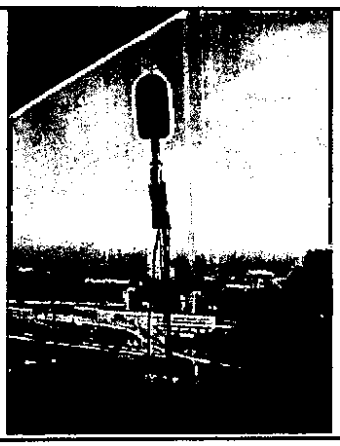
Progettazione Ambiente e Trasporti	CARATTERIZZAZIONE ACUSTICA
	Localizzazione punto di misura e sintesi del rilievo fonometrico



Progettazioni Ambiente e Trasporti	ACEA – IMPIANTO DI TOR DI VALLE Schede di rilevamento fonometrico

Tipo rilievo:	Monitoraggio acustico in ambiente esterno			**Punto di misura:**	**PM02**
Regione:	Lazio	**Provincia:**	Roma	**Comune:**	Roma
Localizzazione:	Via Fiume Giallo, 113 (Quartiere Torrino)			**Zonizzazione:**	
Descrizione:	Il punto di misura è situato al 3° piano del fabbricato e alla distanza pari a circa 320 m dall'impianto ACEA.				
Data inizio misura:	11/11/09	**Data fine misura:**	13/11/09	**Tecnico competente:**	Ing. Tiziana Bastianello Regione Lazio n. 270
Ora inizio misura:	14:00:00	**Ora fine misura:**	14:00:00		



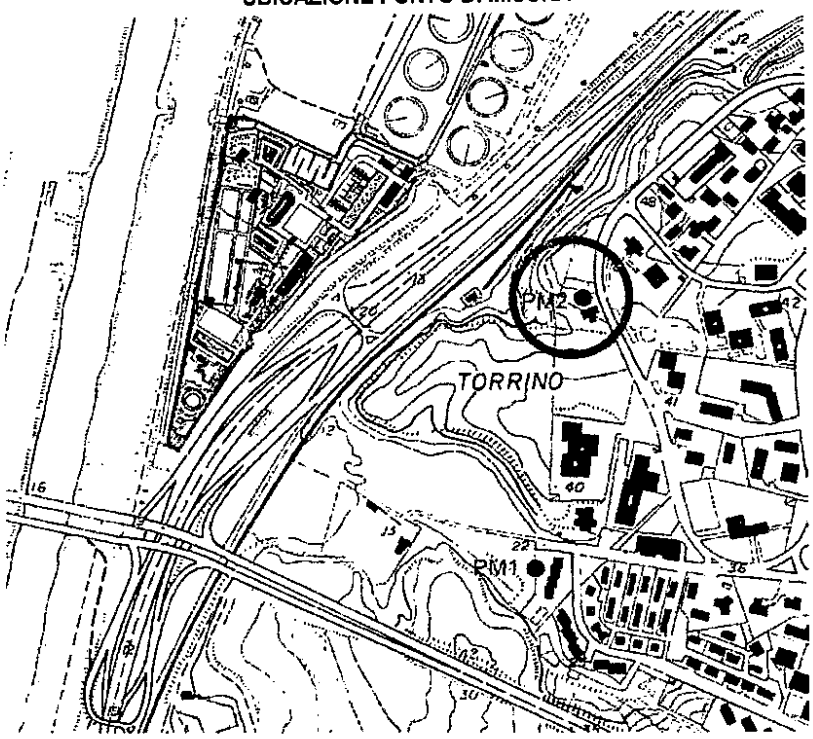


	SINTESI ELABORAZIONE ACUSTICA			
	Media impianto acceso		Media impianto spento	
	giorno	notte	giorno	Notte
L_{Aeq}	56,7	51,9	-	47,7
L_{99}	50,9	46,8	-	42,5

SINTESI PARAMETRI METEO		
	Min	Max
Temperatura [°C]	4	16
Umidità [%]	60	80
Vento V [m/s]/ dir. [°]	< 1,5 / variabile	
Pioggia [mm]	Assente	

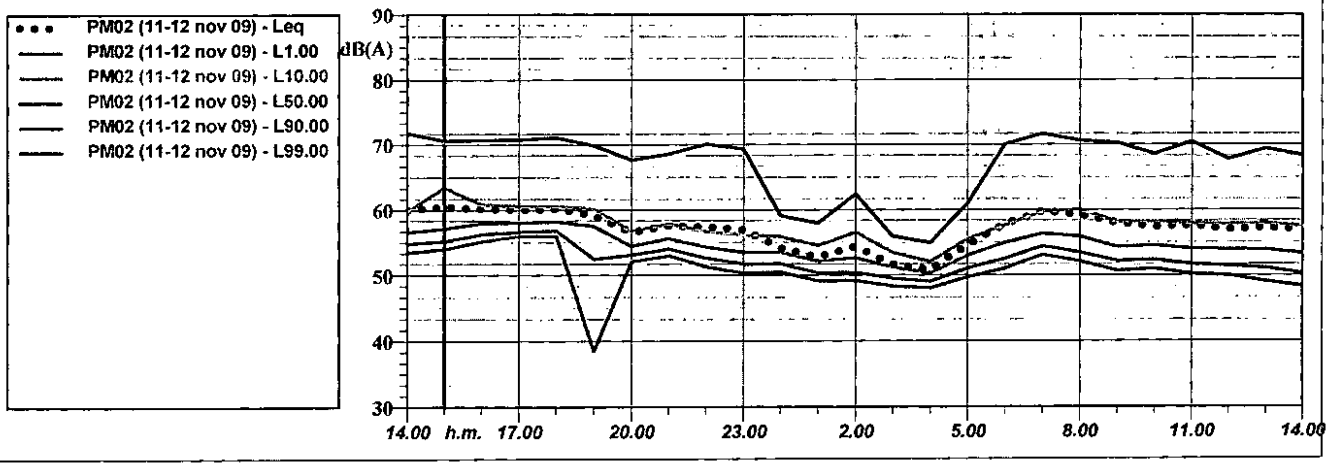
NOTE:	Il clima acustico è caratterizzato da un rumore continuo di sottofondo della centrale. Ulteriori sorgenti sono il GRA (570 m) e la linea ferroviaria e la adiacente via del Mare (160 m) La TurboGas1 è stata accesa dalle 18.00 dell'11 fino alle 00.00 del 12 Novembre. La TurboGas2 è stata spenta alle 13.00 del 12 Novembre, riaccesa alle 15.00 e spenta alle 21.00 dello stesso giorno. La TurboGas3 è stata accesa alle 6.00 ed è stata spenta alle 11.00 del 13 Novembre.

UBICAZIONE PUNTO DI MISURA



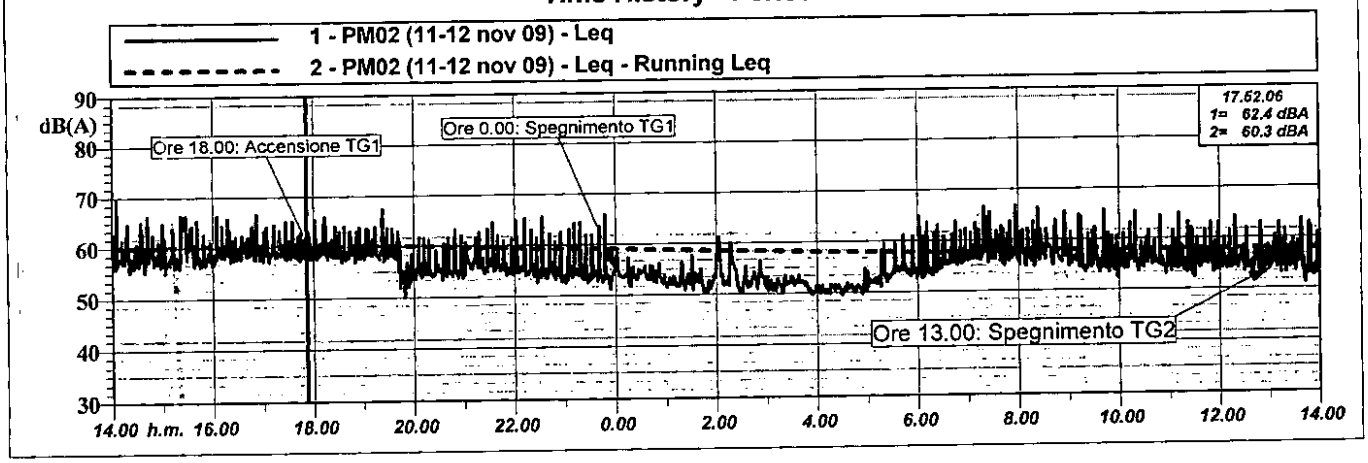
Stralcio planimetrico

Intervalli orari - Leq e dei Livelli percentili

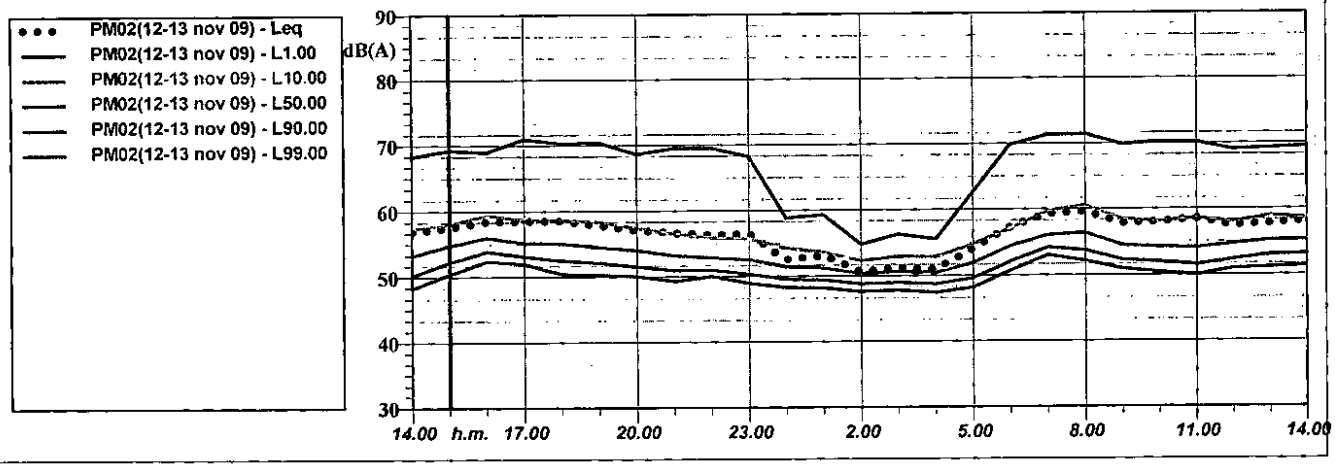


	LEQ	L1	L10	L50	L90	L99
14.00.00	60.0 dBA	71.8 dBA	59.8 dBA	56.6 dBA	54.8 dBA	53.5 dBA
15.00.00	60.6 dBA	70.7 dBA	63.4 dBA	57.2 dBA	55.3 dBA	54.0 dBA
16.00.00	60.3 dBA	70.8 dBA	60.9 dBA	58.0 dBA	56.3 dBA	55.2 dBA
17.00.00	60.1 dBA	70.8 dBA	60.6 dBA	58.1 dBA	56.6 dBA	56.0 dBA
18.00.00	60.2 dBA	71.2 dBA	60.6 dBA	58.2 dBA	56.8 dBA	56.0 dBA
19.00.00	59.3 dBA	69.9 dBA	60.2 dBA	57.6 dBA	52.5 dBA	38.5 dBA
20.00.00	56.6 dBA	67.7 dBA	56.8 dBA	54.5 dBA	53.1 dBA	52.1 dBA
21.00.00	57.6 dBA	68.6 dBA	57.9 dBA	55.6 dBA	54.0 dBA	53.0 dBA
22.00.00	57.5 dBA	70.1 dBA	56.7 dBA	54.4 dBA	52.6 dBA	51.3 dBA
23.00.00	57.0 dBA	69.4 dBA	56.1 dBA	53.6 dBA	51.7 dBA	50.4 dBA
0.00.00	54.2 dBA	59.1 dBA	55.9 dBA	53.5 dBA	51.8 dBA	50.5 dBA
1.00.00	52.8 dBA	57.9 dBA	54.5 dBA	52.2 dBA	50.4 dBA	49.2 dBA
2.00.00	54.4 dBA	62.4 dBA	56.6 dBA	52.7 dBA	50.4 dBA	49.2 dBA
3.00.00	51.7 dBA	55.9 dBA	53.4 dBA	51.3 dBA	49.6 dBA	48.3 dBA
4.00.00	50.9 dBA	54.9 dBA	52.1 dBA	50.4 dBA	49.1 dBA	48.1 dBA
5.00.00	54.6 dBA	61.0 dBA	55.5 dBA	53.0 dBA	51.1 dBA	49.8 dBA
6.00.00	57.8 dBA	70.1 dBA	57.6 dBA	55.0 dBA	52.5 dBA	51.1 dBA
7.00.00	59.8 dBA	71.7 dBA	59.7 dBA	56.3 dBA	54.4 dBA	53.1 dBA
8.00.00	59.2 dBA	70.6 dBA	60.1 dBA	55.9 dBA	53.4 dBA	52.1 dBA
9.00.00	58.0 dBA	70.2 dBA	58.1 dBA	54.3 dBA	52.1 dBA	50.7 dBA
10.00.00	57.4 dBA	68.6 dBA	58.2 dBA	54.6 dBA	52.3 dBA	51.0 dBA
11.00.00	57.7 dBA	70.4 dBA	57.9 dBA	54.1 dBA	51.7 dBA	50.2 dBA
12.00.00	57.0 dBA	67.8 dBA	57.8 dBA	54.0 dBA	51.5 dBA	50.0 dBA
13.00.00	57.3 dBA	69.4 dBA	57.9 dBA	53.9 dBA	51.1 dBA	49.1 dBA

Time History - Periodo misura

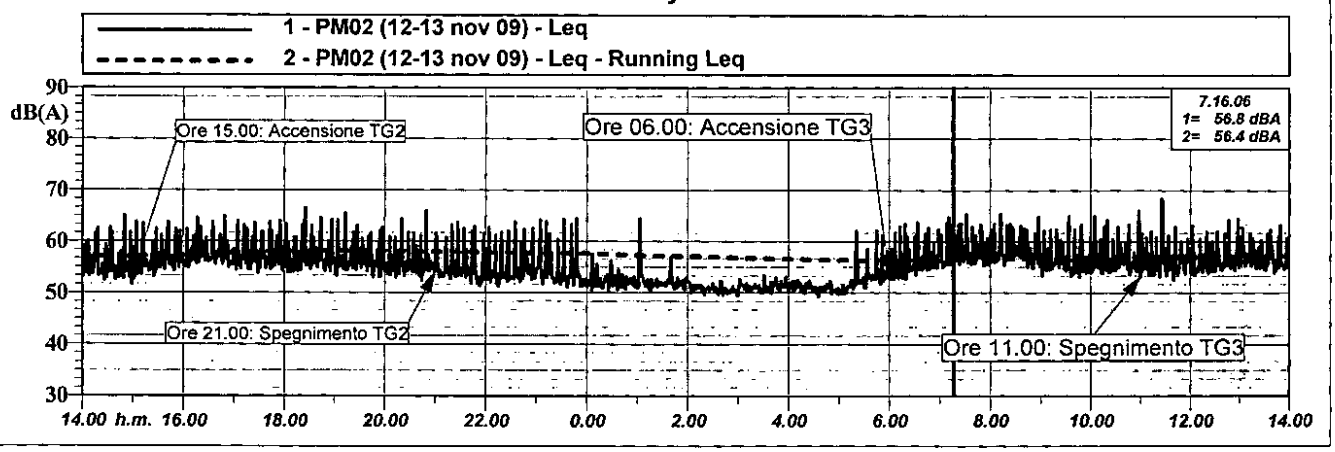


Intervalli orari - Leq e dei Livelli percentili



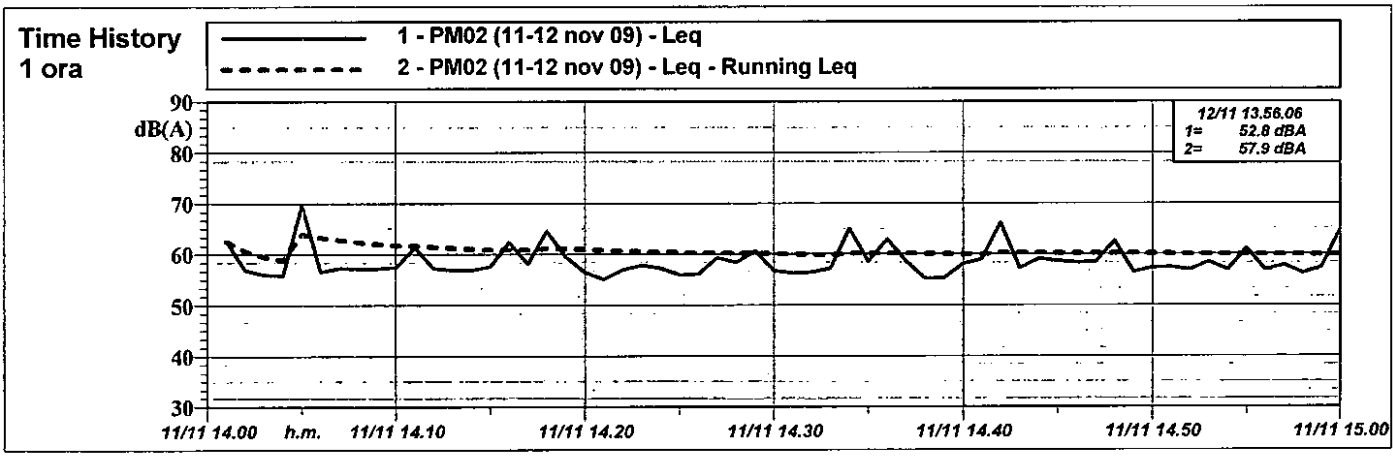
	LEQ	L1	L10	L50	L90	L99
14.00.00	56.9 dBA	68.4 dBA	57.4 dBA	53.4 dBA	50.3 dBA	48.4 dBA
15.00.00	57.6 dBA	69.3 dBA	58.1 dBA	54.8 dBA	52.3 dBA	50.5 dBA
16.00.00	58.5 dBA	69.0 dBA	59.5 dBA	56.0 dBA	54.0 dBA	52.5 dBA
17.00.00	58.5 dBA	71.0 dBA	58.8 dBA	55.2 dBA	53.2 dBA	52.0 dBA
18.00.00	58.5 dBA	70.4 dBA	58.7 dBA	55.1 dBA	52.6 dBA	50.5 dBA
19.00.00	57.8 dBA	70.5 dBA	58.4 dBA	54.5 dBA	52.2 dBA	50.4 dBA
20.00.00	57.1 dBA	68.6 dBA	57.5 dBA	54.1 dBA	51.6 dBA	50.1 dBA
21.00.00	56.7 dBA	69.6 dBA	56.6 dBA	53.3 dBA	51.0 dBA	49.3 dBA
22.00.00	56.4 dBA	69.6 dBA	55.9 dBA	52.9 dBA	51.1 dBA	50.0 dBA
23.00.00	56.5 dBA	68.3 dBA	55.8 dBA	52.6 dBA	50.4 dBA	49.0 dBA
0.00.00	52.6 dBA	58.9 dBA	54.3 dBA	51.5 dBA	49.6 dBA	48.3 dBA
1.00.00	53.1 dBA	59.3 dBA	53.7 dBA	51.3 dBA	49.5 dBA	48.2 dBA
2.00.00	50.8 dBA	54.8 dBA	52.4 dBA	50.4 dBA	48.8 dBA	47.7 dBA
3.00.00	51.3 dBA	56.3 dBA	53.0 dBA	50.7 dBA	49.0 dBA	47.8 dBA
4.00.00	51.0 dBA	55.5 dBA	52.9 dBA	50.5 dBA	48.8 dBA	47.5 dBA
5.00.00	54.1 dBA	62.6 dBA	54.8 dBA	52.0 dBA	49.7 dBA	48.2 dBA
6.00.00	57.4 dBA	69.9 dBA	57.1 dBA	54.5 dBA	52.2 dBA	50.8 dBA
7.00.00	59.3 dBA	71.3 dBA	59.8 dBA	56.1 dBA	54.3 dBA	53.1 dBA
8.00.00	59.6 dBA	71.5 dBA	60.6 dBA	56.4 dBA	53.8 dBA	52.2 dBA
9.00.00	57.9 dBA	69.9 dBA	58.5 dBA	54.5 dBA	52.3 dBA	51.0 dBA
10.00.00	58.1 dBA	70.3 dBA	58.2 dBA	54.3 dBA	52.1 dBA	50.5 dBA
11.00.00	58.5 dBA	70.2 dBA	58.7 dBA	54.1 dBA	51.6 dBA	50.1 dBA
12.00.00	57.5 dBA	69.1 dBA	58.1 dBA	54.7 dBA	52.4 dBA	51.0 dBA
13.00.00	57.8 dBA	69.3 dBA	58.9 dBA	55.2 dBA	53.1 dBA	51.2 dBA

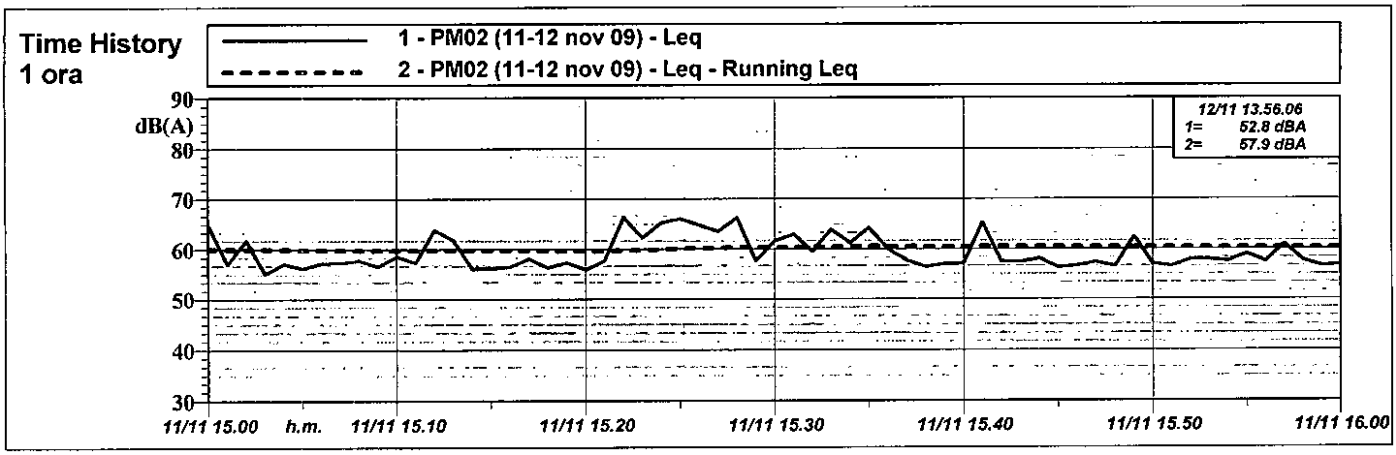
Time History - Periodo misura

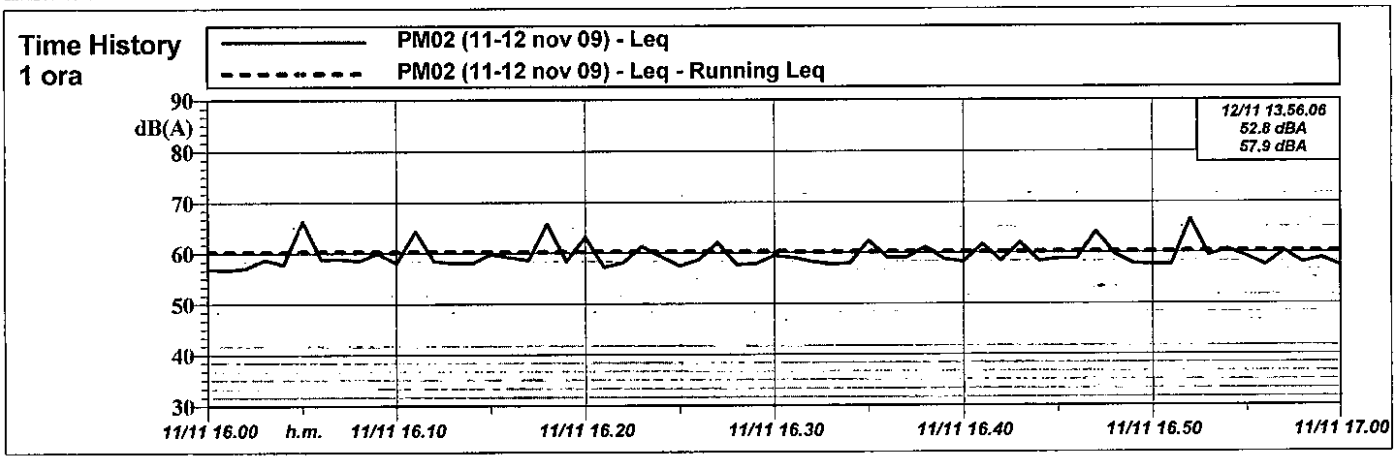


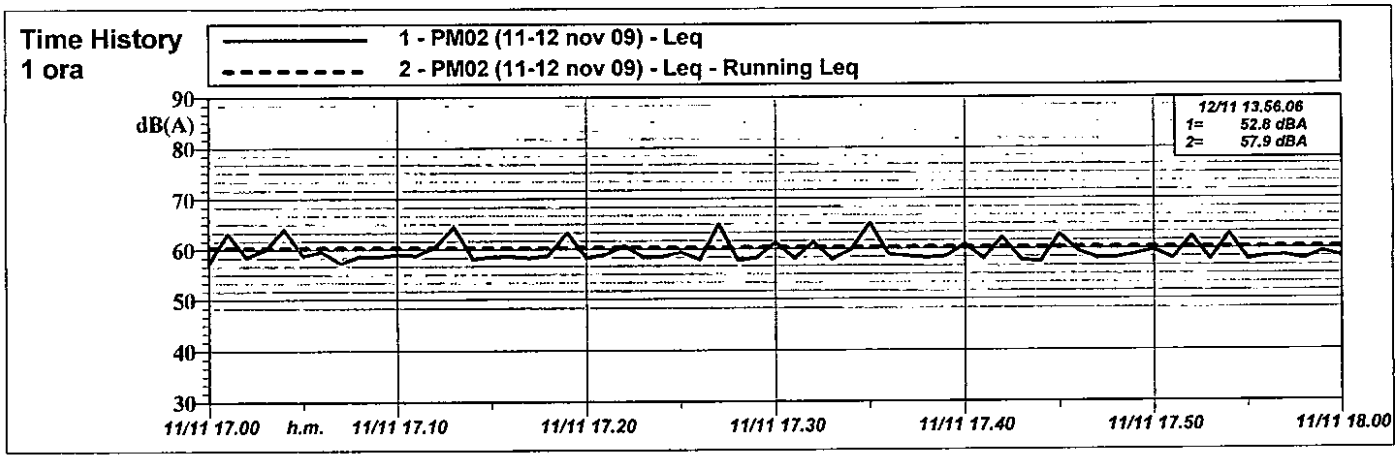
CARATTERIZZAZIONE ACUSTICA

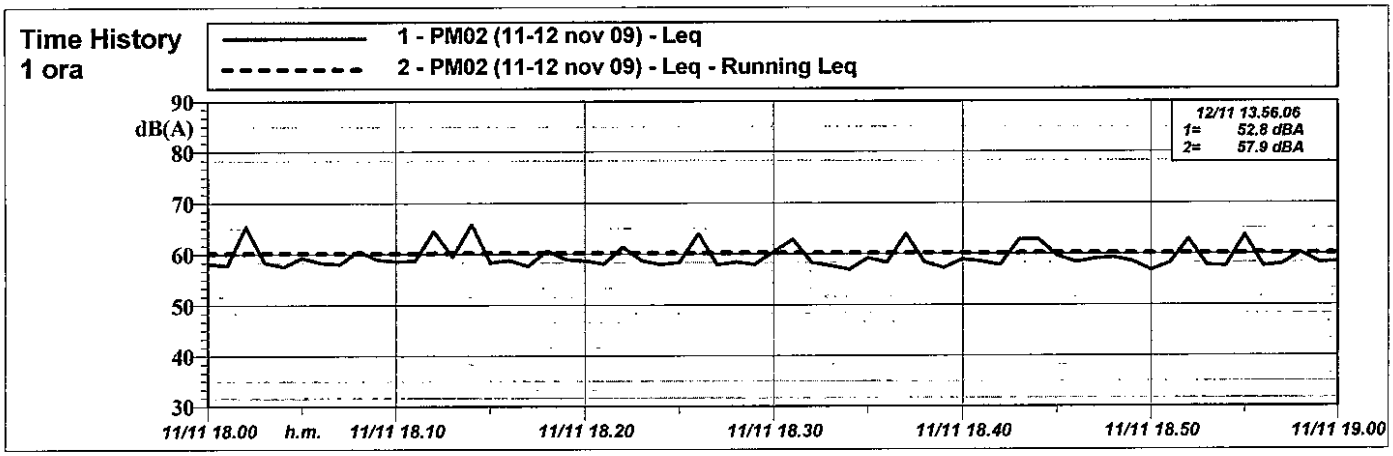
Localizzazione punto di misura e sintesi del rilievo fonometrico

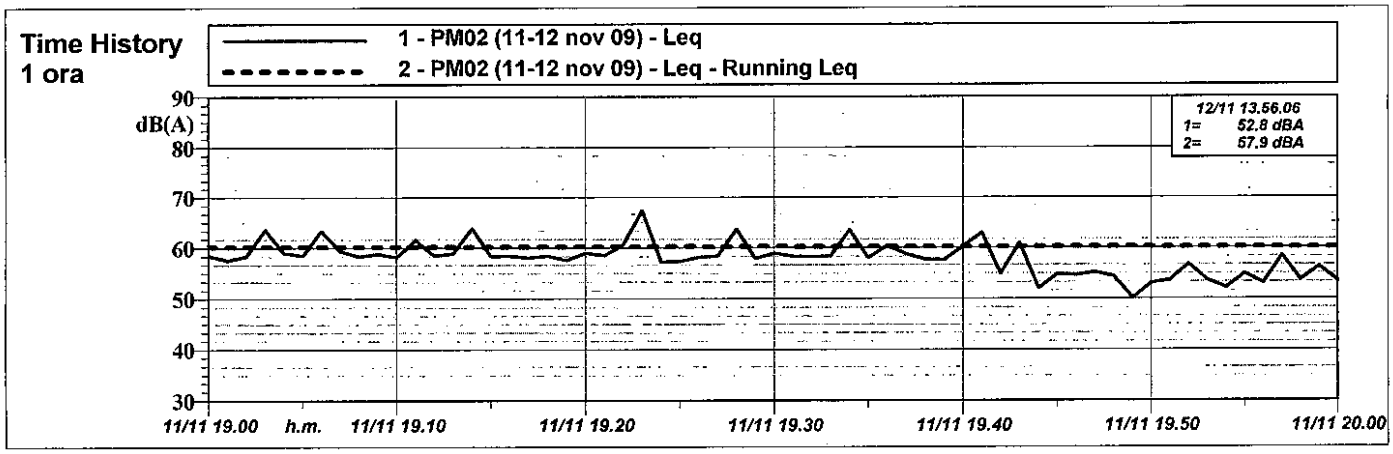


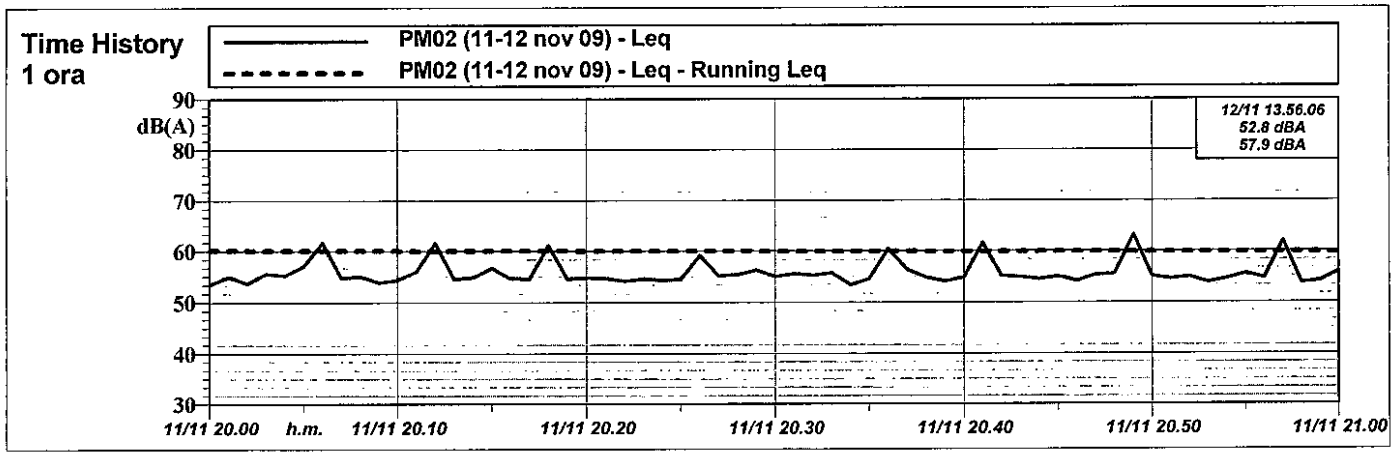


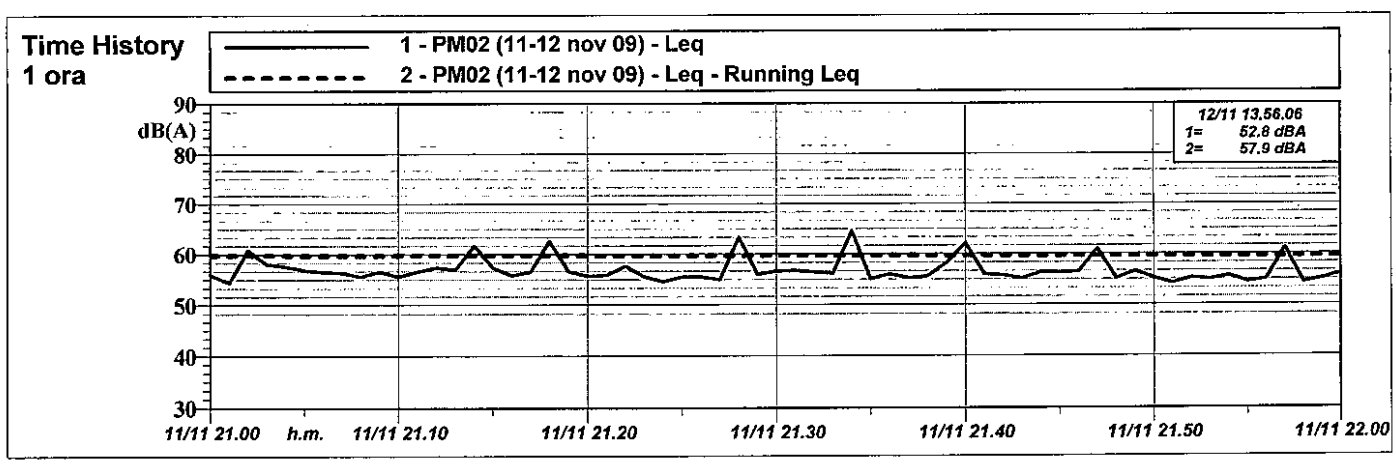


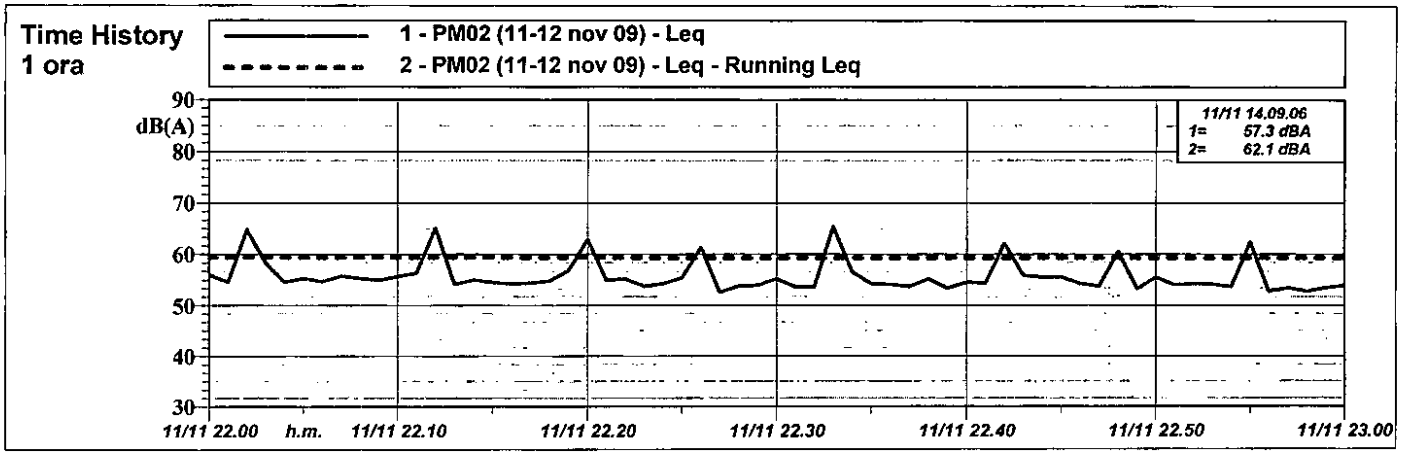


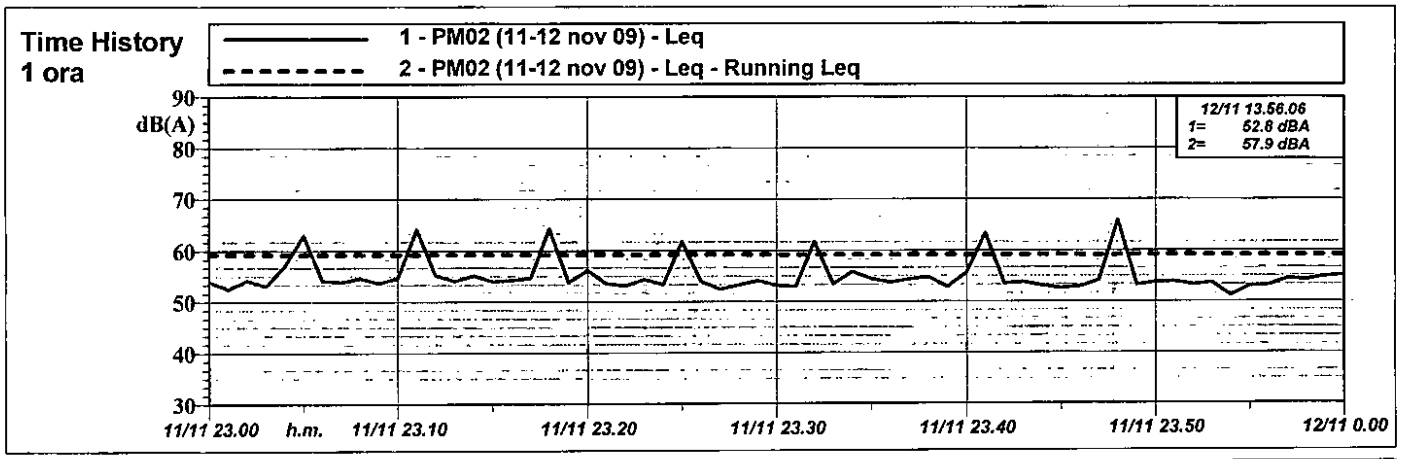

Time History
1 ora
1 - PM02 (11-12 nov 09) - Leq
2 - PM02 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 13.56.06
1= 52.8 dBA
2= 57.9 dBA
11/11 18.00
h.m.
11/11 18.10
11/11 18.20
11/11 18.30
11/11 18.40
11/11 18.50
11/11 19.00

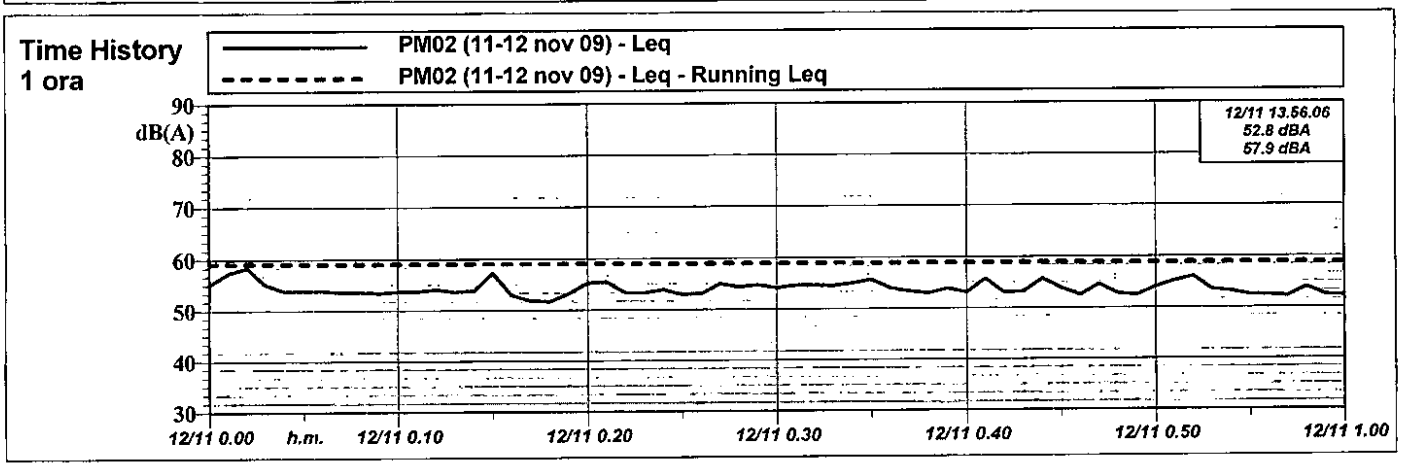

Time History
1 ora
1 - PM02 (11-12 nov 09) - Leq
2 - PM02 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 13.56.06
1= 52.8 dBA
2= 57.9 dBA
11/11 19.00
h.m.
11/11 19.10
11/11 19.20
11/11 19.30
11/11 19.40
11/11 19.50
11/11 20.00

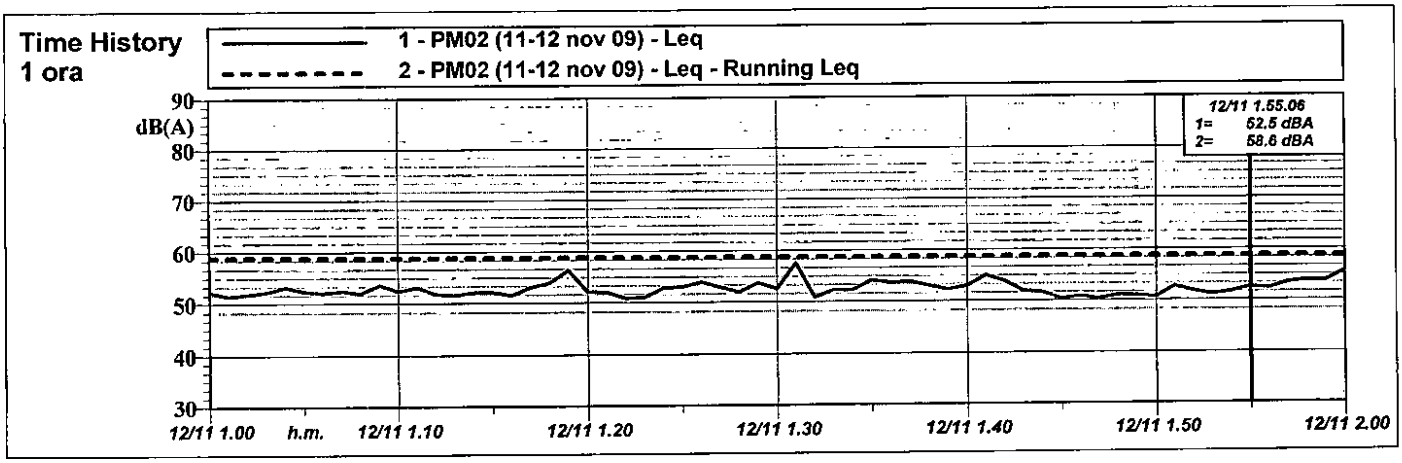

Time History
1 ora
PM02 (11-12 nov 09) - Leq
PM02 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 13.56.06
52.8 dBA
57.9 dBA
11/11 20.00
h.m.
11/11 20.10
11/11 20.20
11/11 20.30
11/11 20.40
11/11 20.50
11/11 21.00

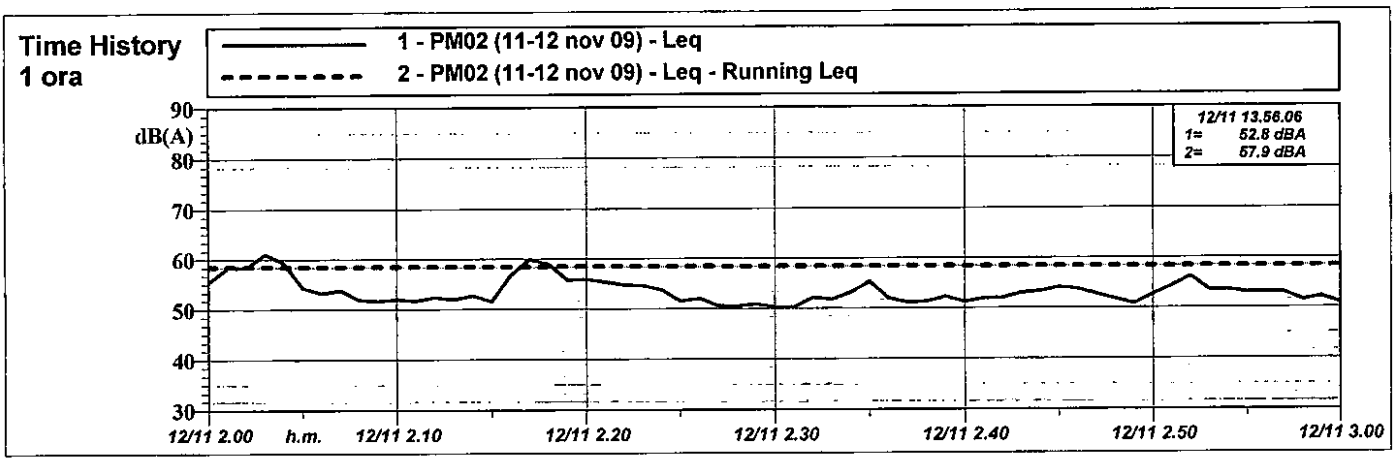

Time History
1 ora
1 - PM02 (11-12 nov 09) - Leq
2 - PM02 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 13.56.06
1= 52.8 dBA
2= 57.9 dBA
11/11 21.00
h.m.
11/11 21.10
11/11 21.20
11/11 21.30
11/11 21.40
11/11 21.50
11/11 22.00

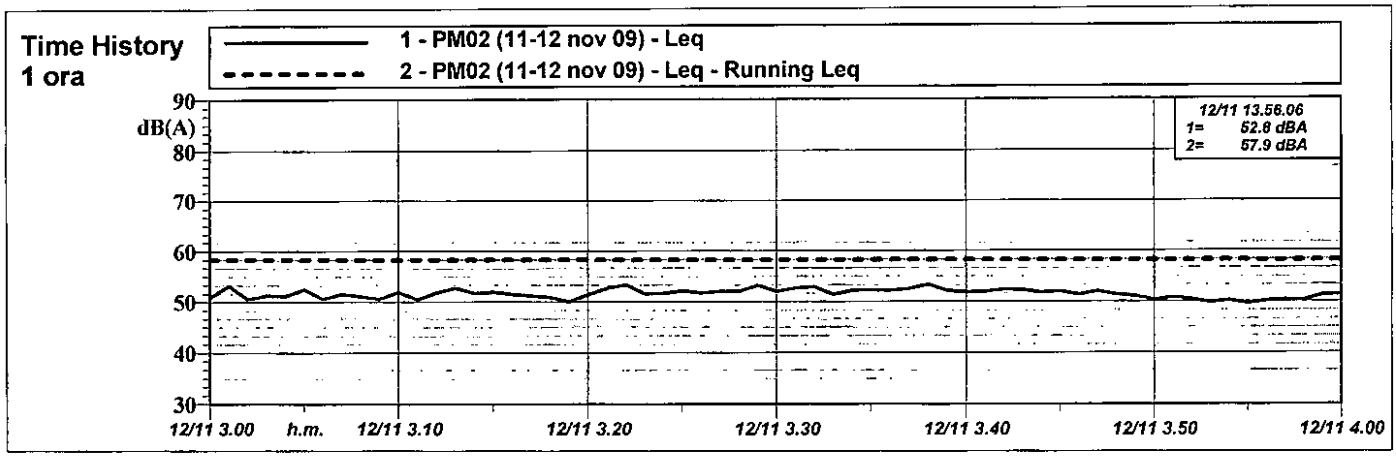

Time History
1 ora
1 - PM02 (11-12 nov 09) - Leq
2 - PM02 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
11/11 14.09.06
1= 57.3 dBA
2= 62.1 dBA
11/11 22.00
h.m.
11/11 22.10
11/11 22.20
11/11 22.30
11/11 22.40
11/11 22.50
11/11 23.00

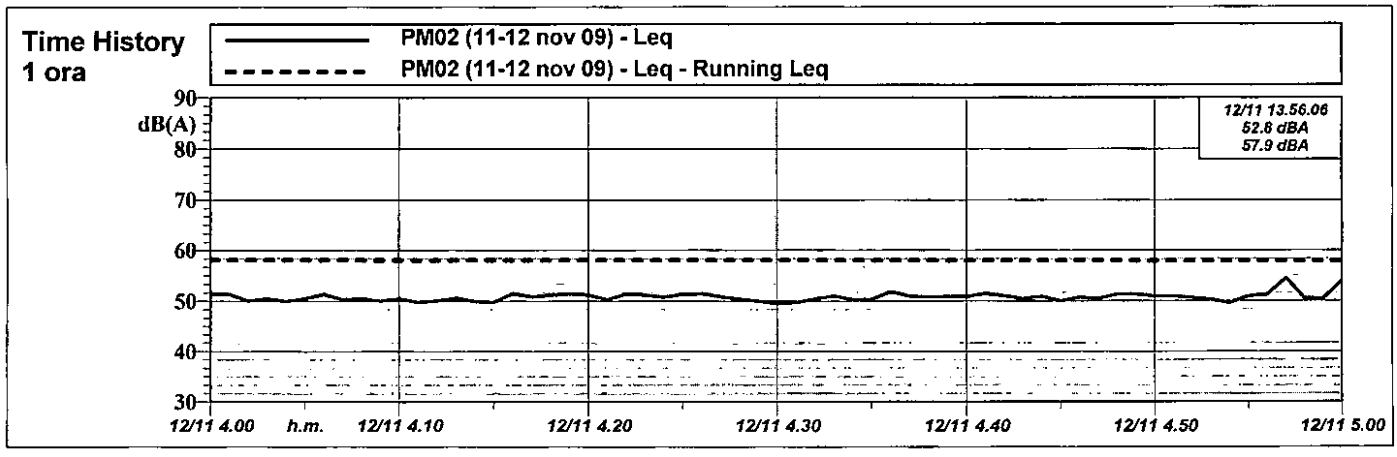

Time History
1 ora
1 - PM02 (11-12 nov 09) - Leq
2 - PM02 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 13.56.06
1= 52.8 dBA
2= 57.9 dBA
11/11 23.00
h.m.
11/11 23.10
11/11 23.20
11/11 23.30
11/11 23.40
11/11 23.50
12/11 0.00

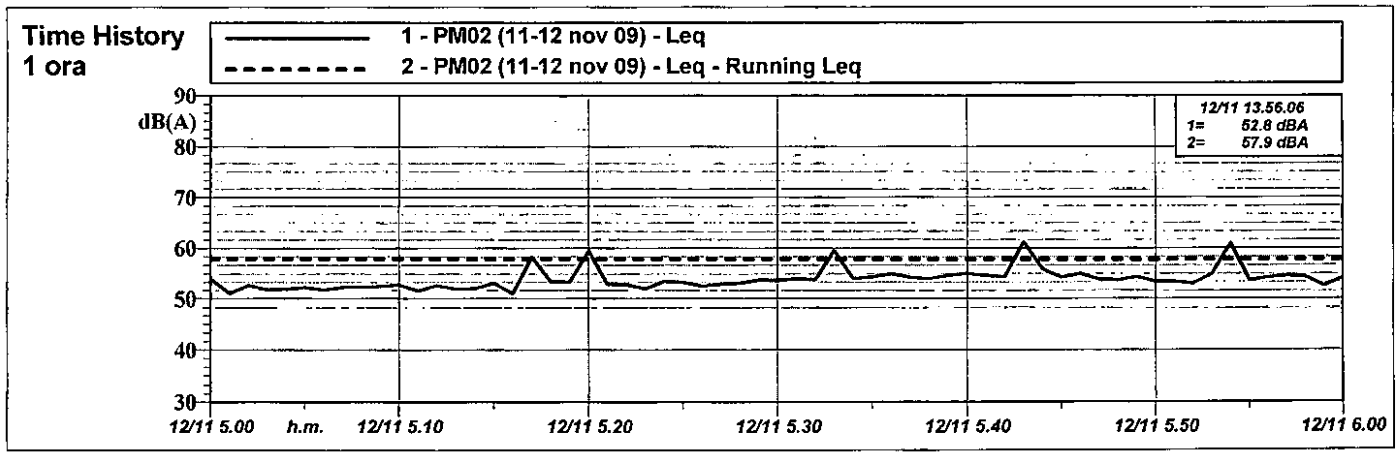

Time History
1 ora
PM02 (11-12 nov 09) - Leq
PM02 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 13.56.06
52.8 dBA
57.9 dBA
12/11 0.00
h.m.
12/11 0.10
12/11 0.20
12/11 0.30
12/11 0.40
12/11 0.50
12/11 1.00

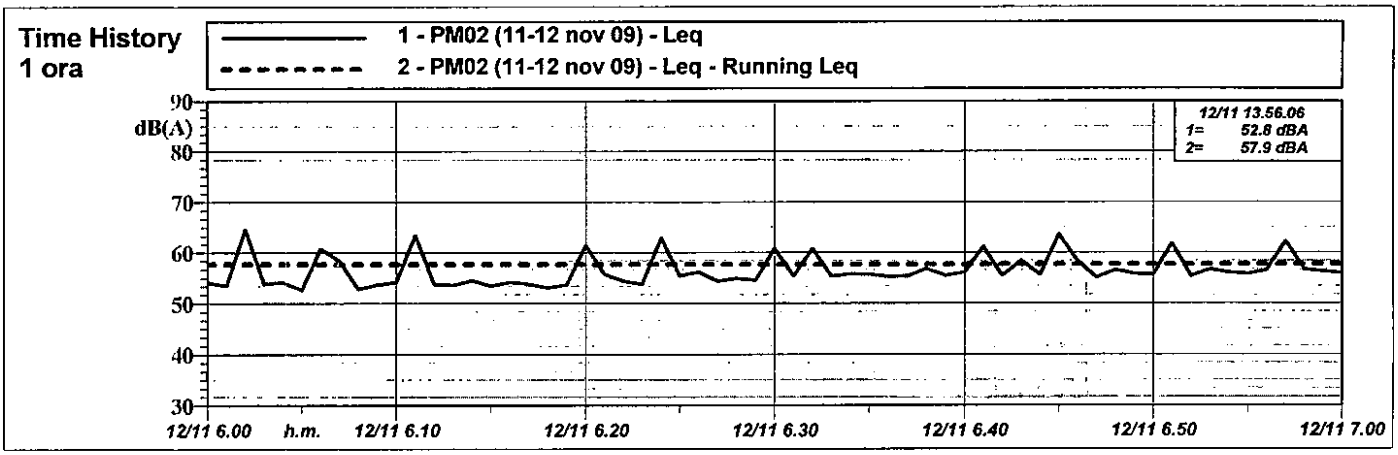

Time History
1 ora
1 - PM02 (11-12 nov 09) - Leq
2 - PM02 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 1.55.06
1= 52.5 dBA
2= 58.6 dBA
12/11 1.00
h.m.
12/11 1.10
12/11 1.20
12/11 1.30
12/11 1.40
12/11 1.50
12/11 2.00

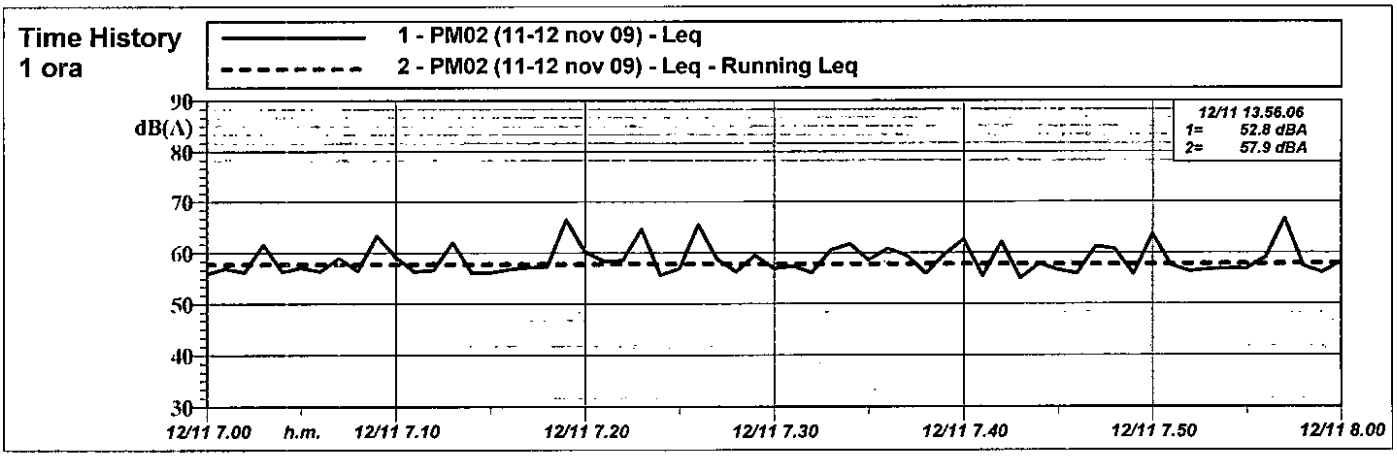

Time History
1 ora
1 - PM02 (11-12 nov 09) - Leq
2 - PM02 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 13.56.06
1= 52.8 dBA
2= 57.9 dBA
12/11 2.00
h.m.
12/11 2.10
12/11 2.20
12/11 2.30
12/11 2.40
12/11 2.50
12/11 3.00

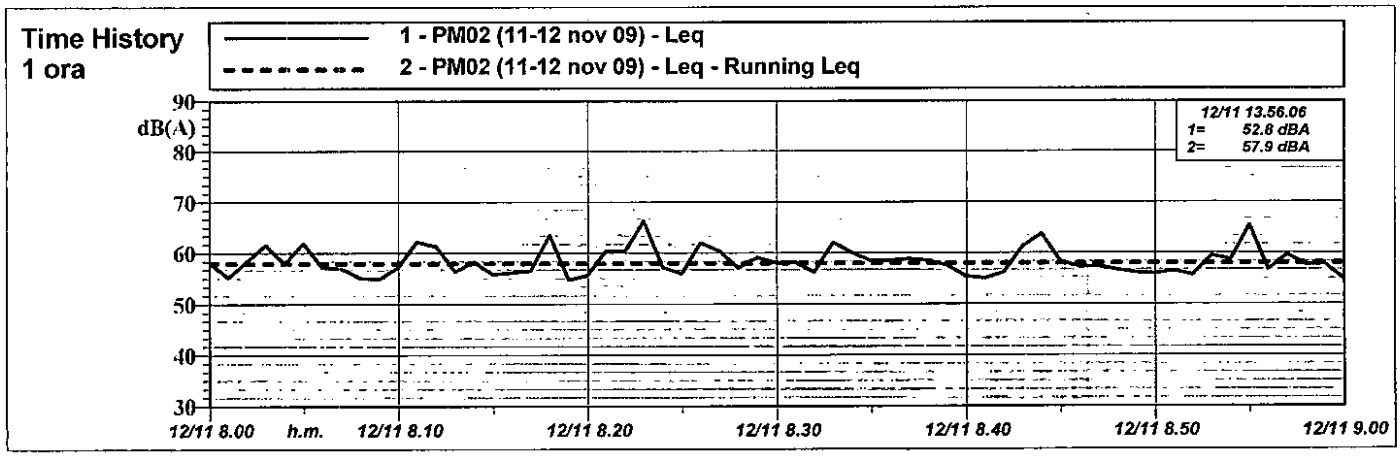

Time History
1 ora
1 - PM02 (11-12 nov 09) - Leq
2 - PM02 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 13.56.06
1= 52.8 dBA
2= 57.9 dBA
12/11 3.00
h.m.
12/11 3.10
12/11 3.20
12/11 3.30
12/11 3.40
12/11 3.50
12/11 4.00

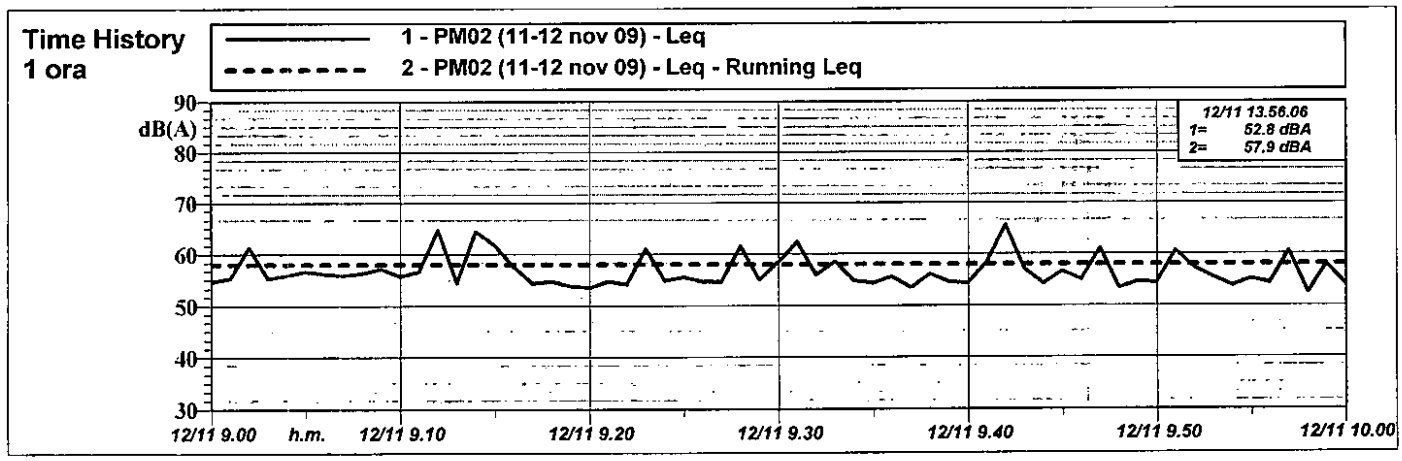

Time History
1 ora
PM02 (11-12 nov 09) - Leq
PM02 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 13.56.06
52.8 dBA
57.9 dBA
12/11 4.00
h.m.
12/11 4.10
12/11 4.20
12/11 4.30
12/11 4.40
12/11 4.50
12/11 5.00

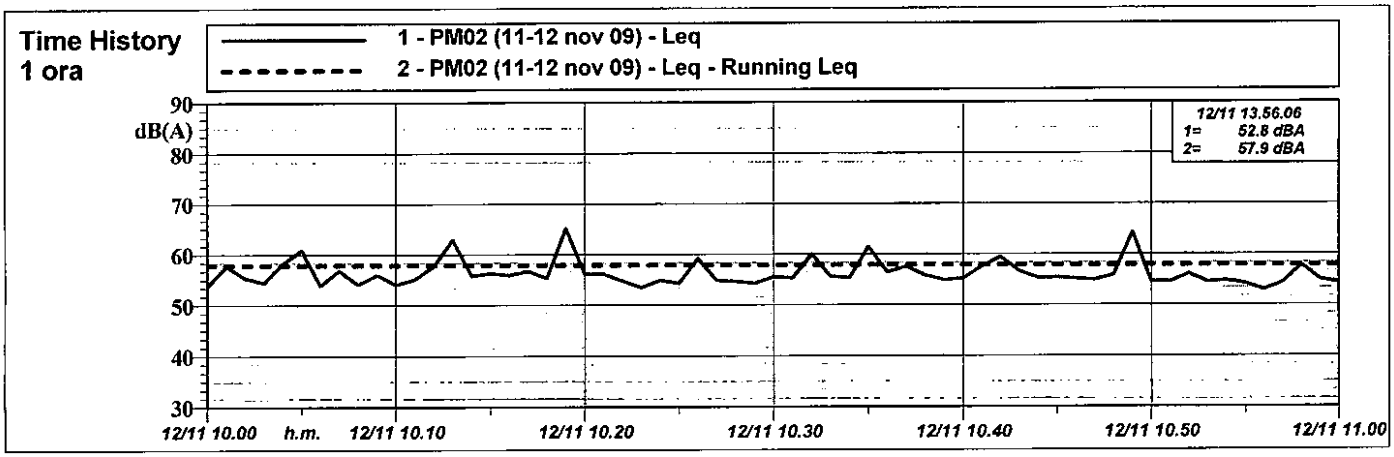

Time History
1 ora
1 - PM02 (11-12 nov 09) - Leq
2 - PM02 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 13.56.06
1= 52.8 dBA
2= 57.9 dBA
12/11 5.00
h.m.
12/11 5.10
12/11 5.20
12/11 5.30
12/11 5.40
12/11 5.50
12/11 6.00

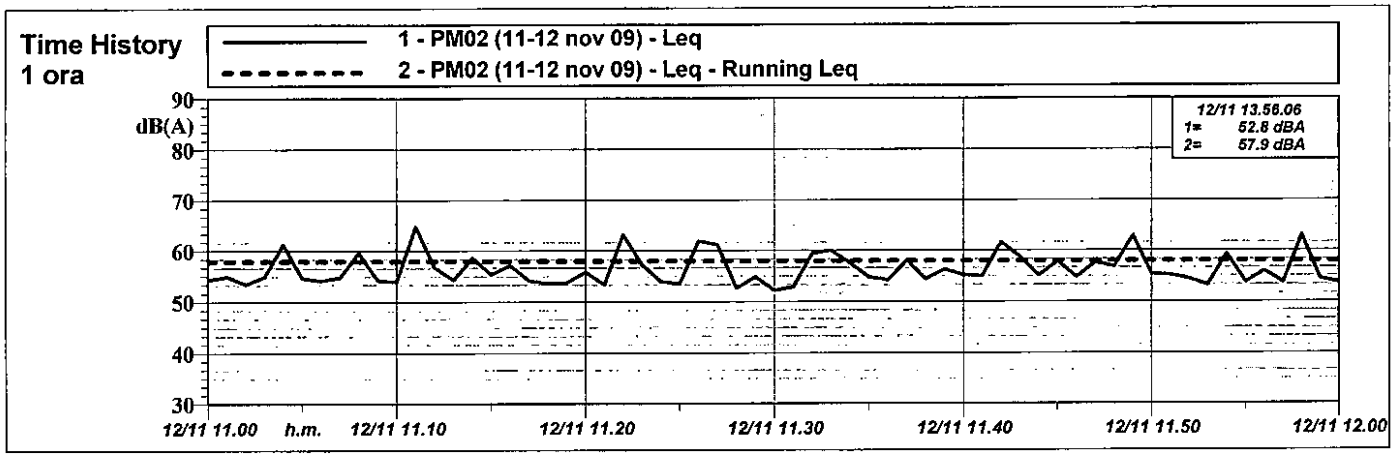

Time History
1 ora
1 - PM02 (11-12 nov 09) - Leq
2 - PM02 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 13.56.06
1= 52.8 dBA
2= 57.9 dBA
12/11 6.00
h.m.
12/11 6.10
12/11 6.20
12/11 6.30
12/11 6.40
12/11 6.50
12/11 7.00

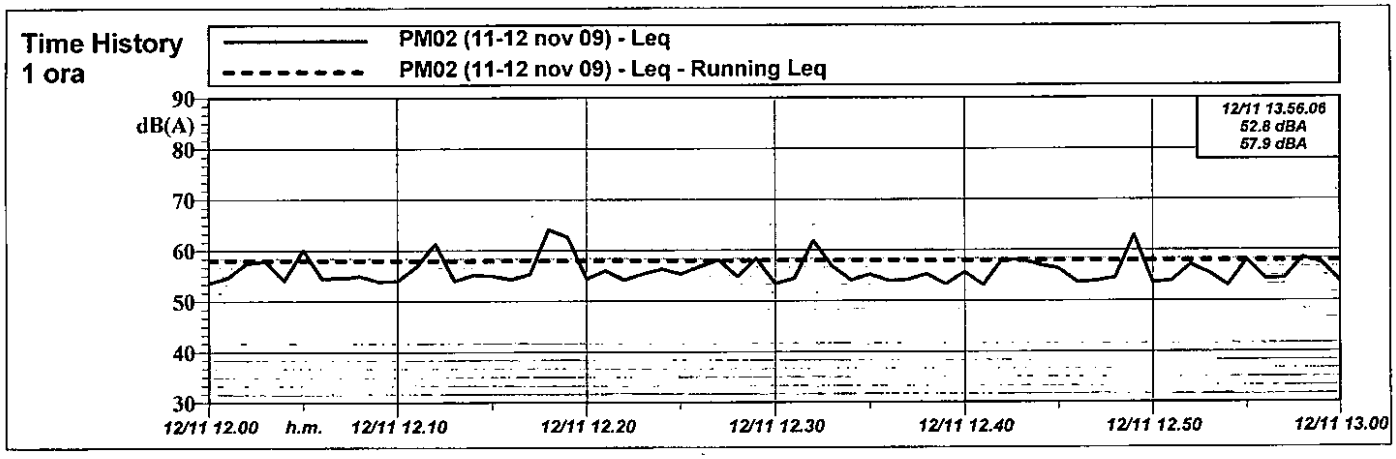

Time History
1 ora
1 - PM02 (11-12 nov 09) - Leq
2 - PM02 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 13.56.06
1= 52.8 dBA
2= 57.9 dBA
12/11 7.00
h.m.
12/11 7.10
12/11 7.20
12/11 7.30
12/11 7.40
12/11 7.50
12/11 8.00

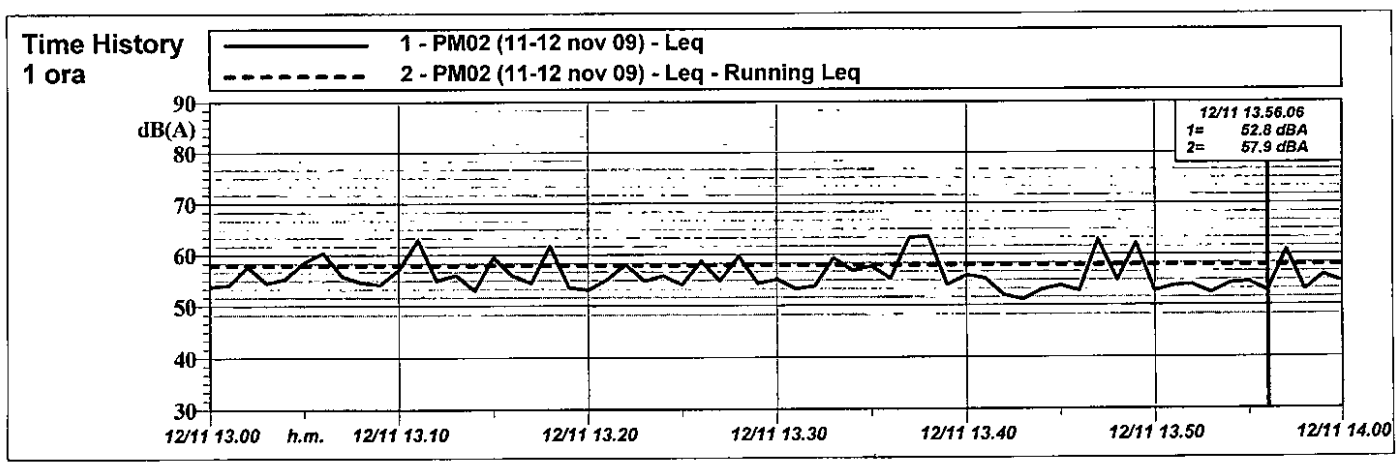

Time History
1 ora
1 - PM02 (11-12 nov 09) - Leq
2 - PM02 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 13.56.06
1= 52.8 dBA
2= 57.9 dBA
12/11 8.00
h.m.
12/11 8.10
12/11 8.20
12/11 8.30
12/11 8.40
12/11 8.50
12/11 9.00


Time History
1 ora
1 - PM02 (11-12 nov 09) - Leq
2 - PM02 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 13.56.06
1= 52.8 dBA
2= 57.9 dBA
12/11 9.00
h.m.
12/11 9.10
12/11 9.20
12/11 9.30
12/11 9.40
12/11 9.50
12/11 10.00


Time History
1 ora
1 - PM02 (11-12 nov 09) - Leq
2 - PM02 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 13.56.06
1= 52.8 dBA
2= 57.9 dBA
12/11 10.00
h.m.
12/11 10.10
12/11 10.20
12/11 10.30
12/11 10.40
12/11 10.50
12/11 11.00


Time History
1 ora
1 - PM02 (11-12 nov 09) - Leq
2 - PM02 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 13.56.06
1= 52.8 dBA
2= 57.9 dBA
12/11 11.00
h.m.
12/11 11.10
12/11 11.20
12/11 11.30
12/11 11.40
12/11 11.50
12/11 12.00


Time History
1 ora
PM02 (11-12 nov 09) - Leq
PM02 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 13.56.06
52.8 dBA
57.9 dBA
12/11 12.00
h.m.
12/11 12.10
12/11 12.20
12/11 12.30
12/11 12.40
12/11 12.50
12/11 13.00


Time History
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2 - PM02 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
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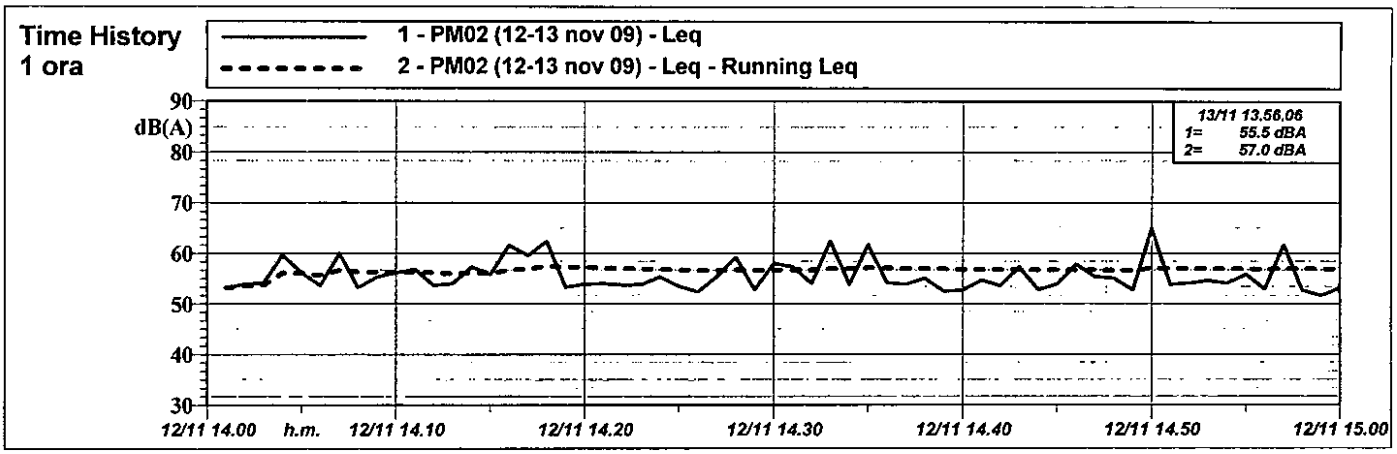
50
40
30
12/11 13.56.06
1= 52.8 dBA
2= 57.9 dBA
12/11 13.00
h.m.
12/11 13.10
12/11 13.20
12/11 13.30
12/11 13.40
12/11 13.50
12/11 14.00


Time History
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2 - PM02 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
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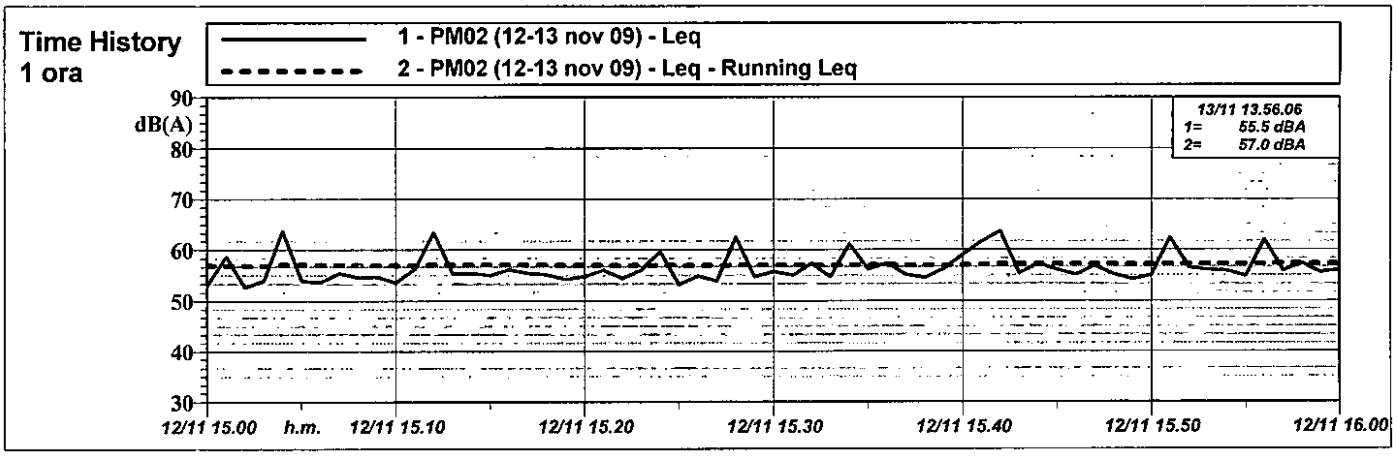
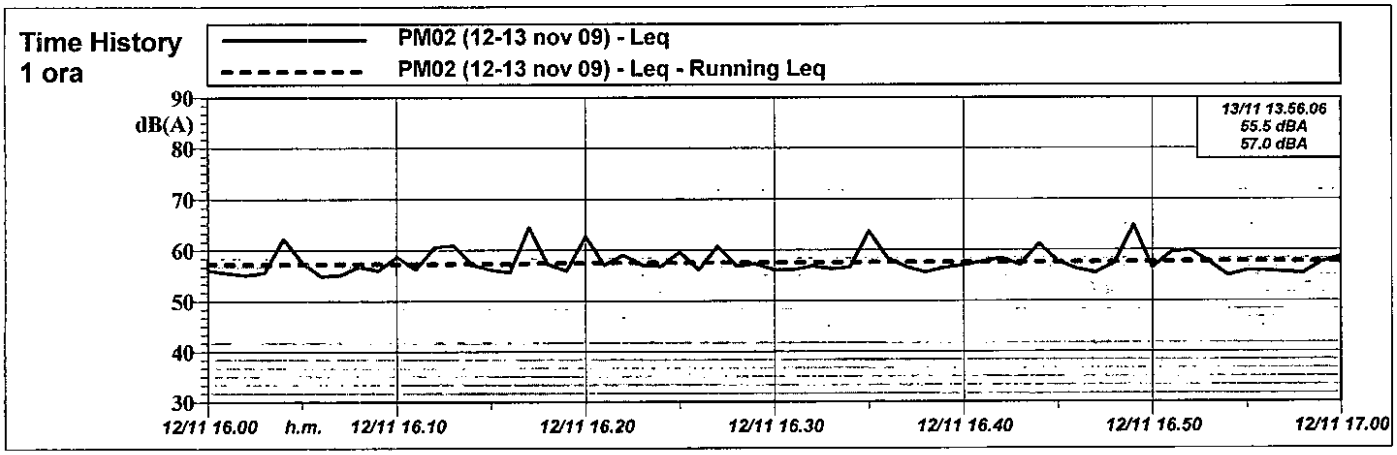
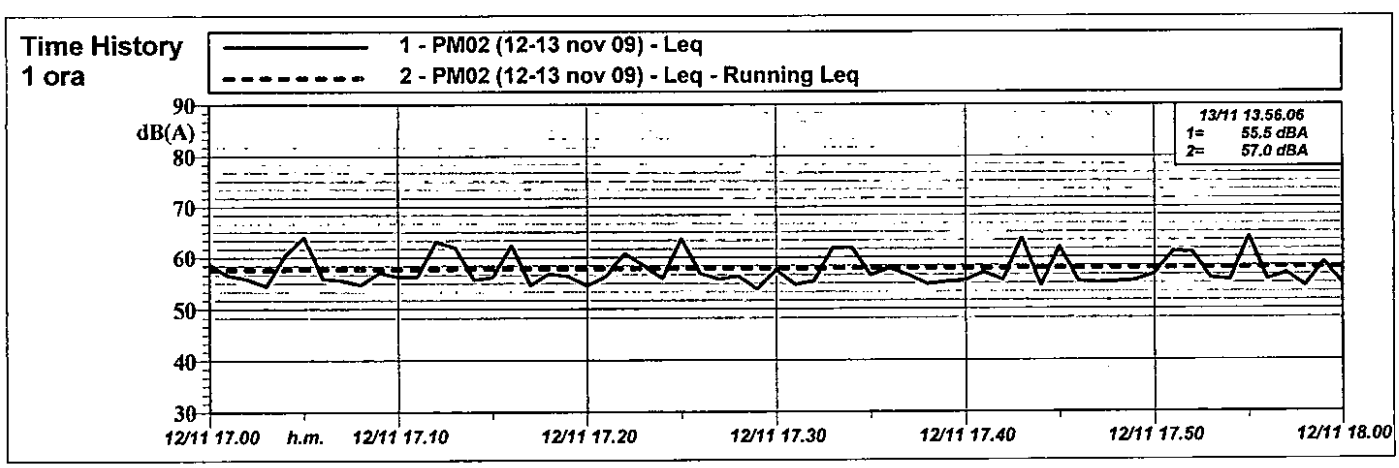
60
50
40
30
13/11 13.56.06
1= 55.5 dBA
2= 57.0 dBA
12/11 14.00
h.m.
12/11 14.10
12/11 14.20
12/11 14.30
12/11 14.40
12/11 14.50
12/11 15.00


Time History
1 ora
1 - PM02 (12-13 nov 09) - Leq
2 - PM02 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 13.56.06
1= 55.5 dBA
2= 57.0 dBA
12/11 15.00
h.m.
12/11 15.10
12/11 15.20
12/11 15.30
12/11 15.40
12/11 15.50
12/11 16.00


Time History
1 ora
PM02 (12-13 nov 09) - Leq
PM02 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 13.56.06
55.5 dBA
57.0 dBA
12/11 16.00
h.m.
12/11 16.10
12/11 16.20
12/11 16.30
12/11 16.40
12/11 16.50
12/11 17.00


Time History
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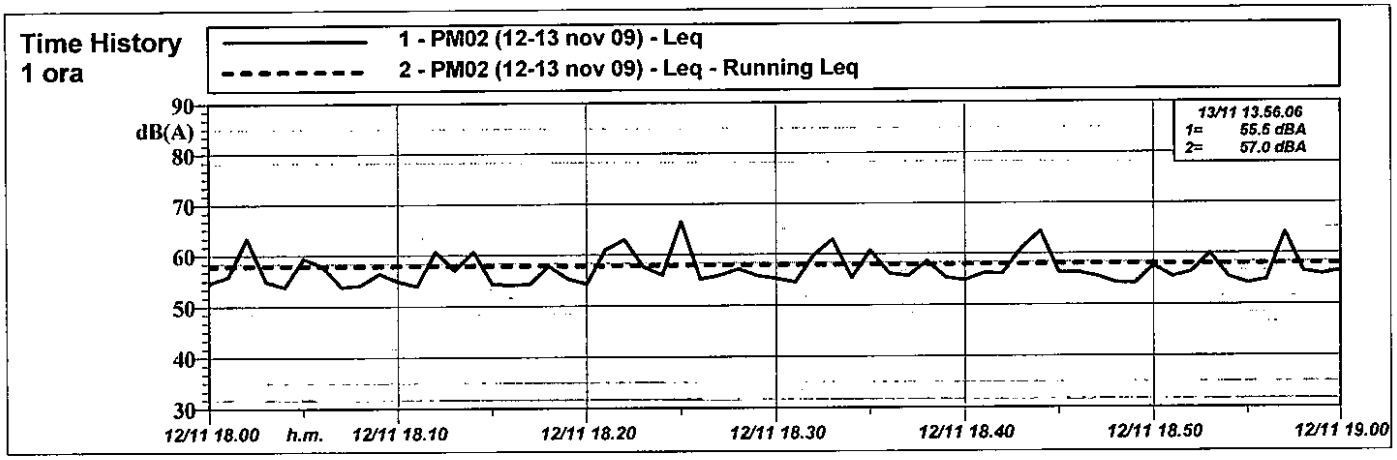
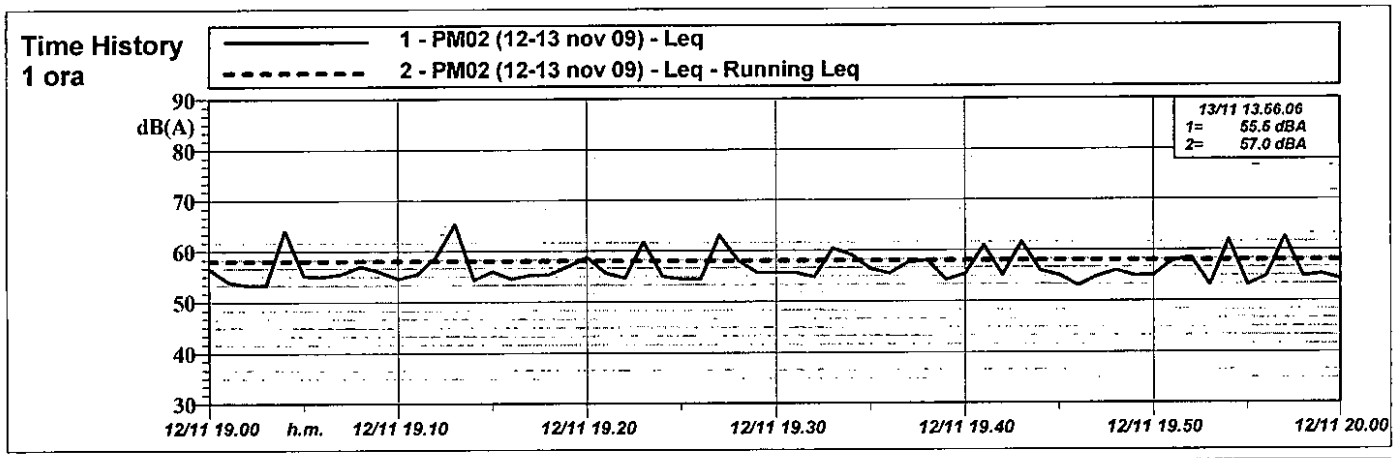
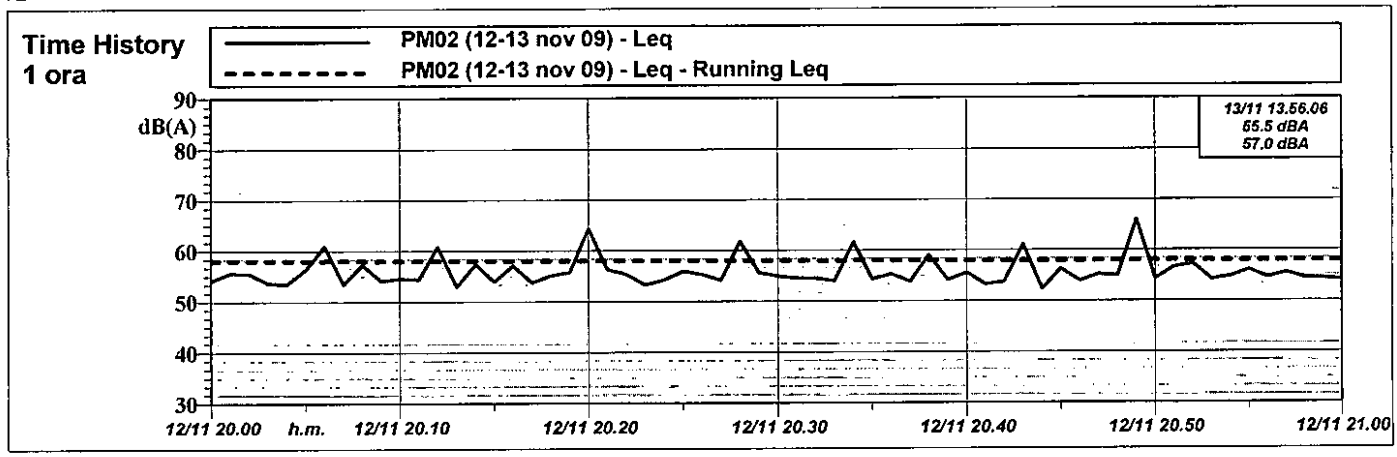
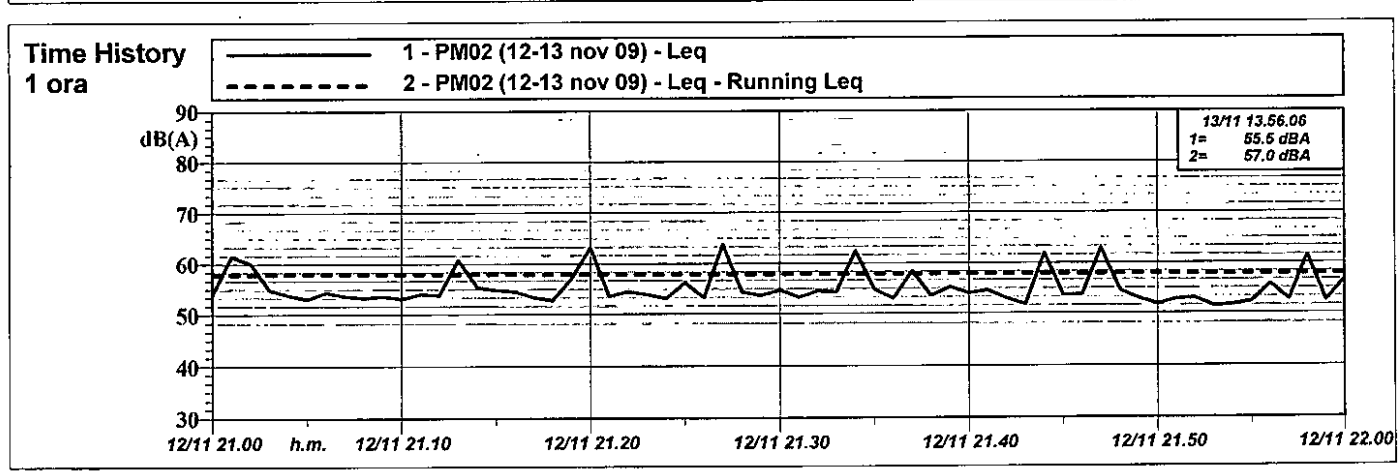
2 - PM02 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 13.56.06
1= 55.5 dBA
2= 57.0 dBA
12/11 17.00
h.m.
12/11 17.10
12/11 17.20
12/11 17.30
12/11 17.40
12/11 17.50
12/11 18.00

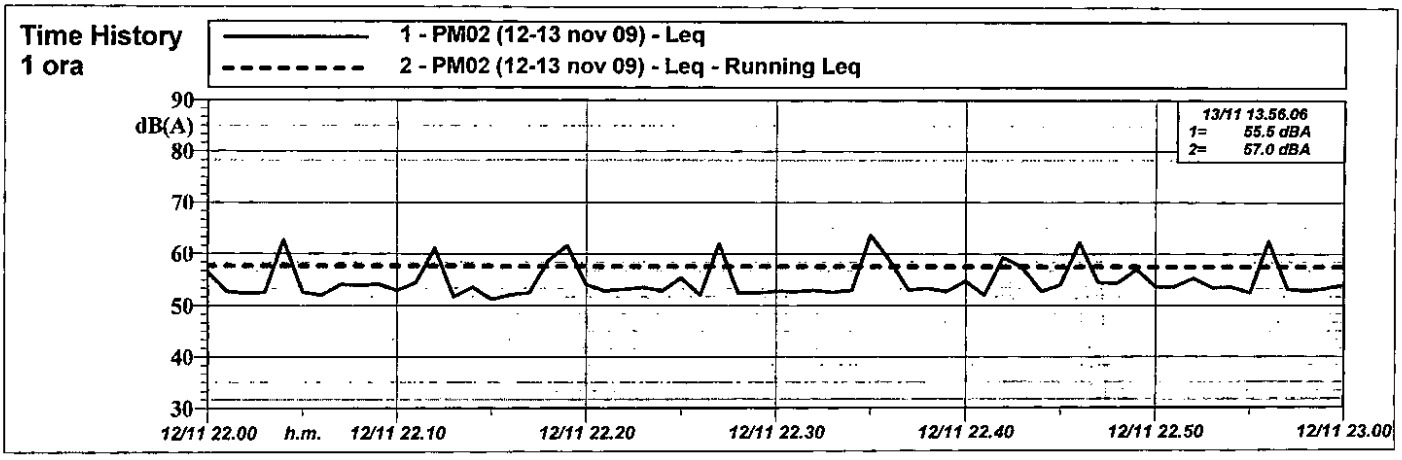
Progettazione Ambientale e Trasporti	CARATTERIZZAZIONE ACUSTICA
	Localizzazione punto di misura e sintesi del rilievo fonometrico

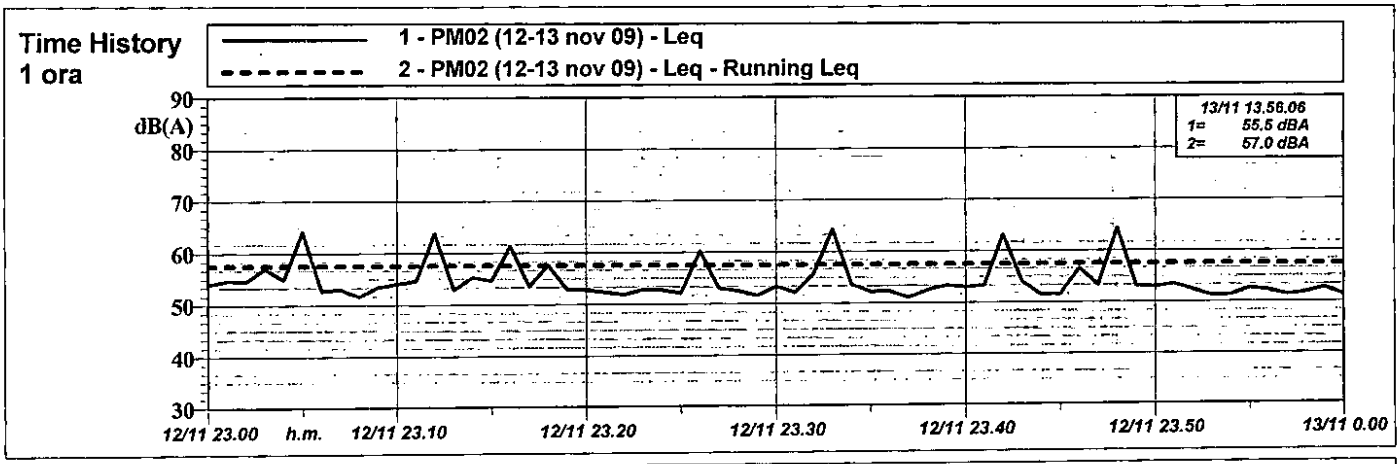









Time History
1 ora
1 - PM02 (12-13 nov 09) - Leq
2 - PM02 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 13.56.06
1= 55.5 dBA
2= 57.0 dBA
12/11 22.00
h.m.
12/11 22.10
12/11 22.20
12/11 22.30
12/11 22.40
12/11 22.50
12/11 23.00


Time History
1 ora
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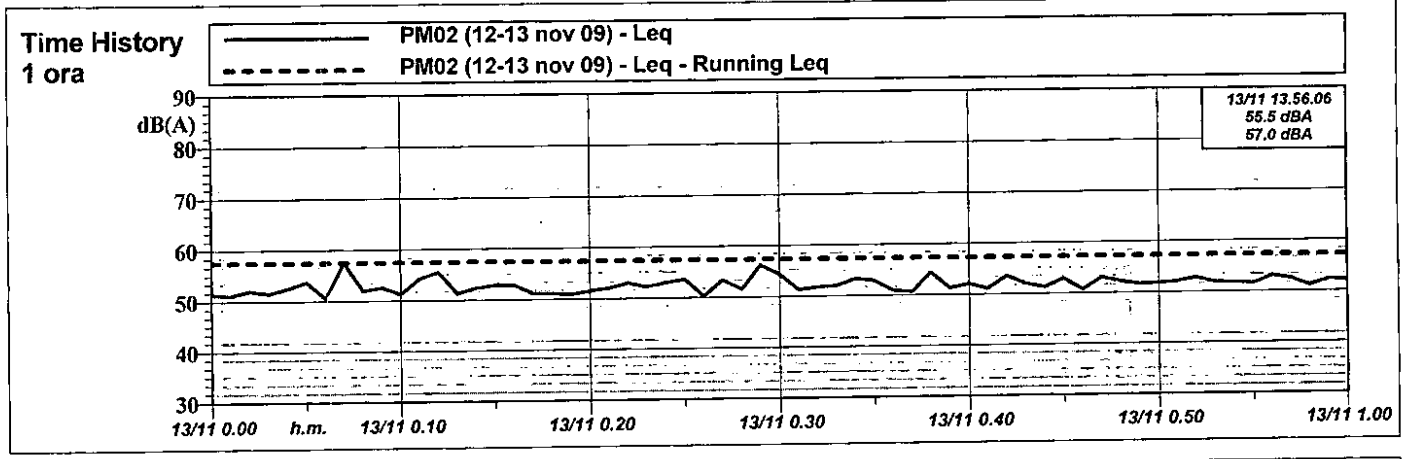
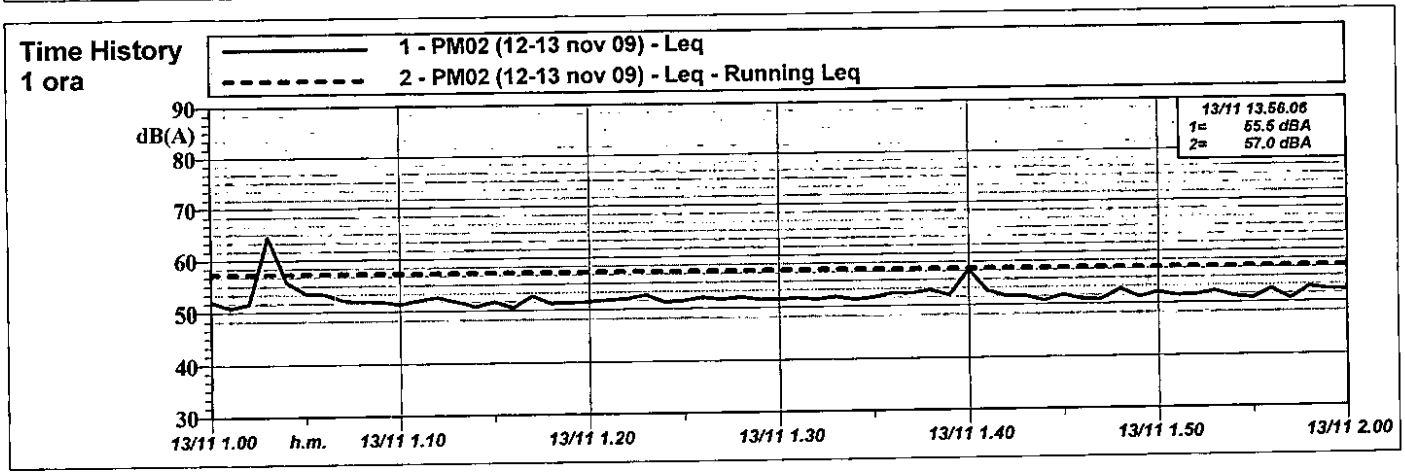
2 - PM02 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 13.56.06
1= 55.5 dBA
2= 57.0 dBA
12/11 23.00
h.m.
12/11 23.10
12/11 23.20
12/11 23.30
12/11 23.40
12/11 23.50
13/11 0.00


Time History
1 ora
PM02 (12-13 nov 09) - Leq
PM02 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 13.56.06
55.5 dBA
57.0 dBA
13/11 0.00
h.m.
13/11 0.10
13/11 0.20
13/11 0.30
13/11 0.40
13/11 0.50
13/11 1.00


Time History
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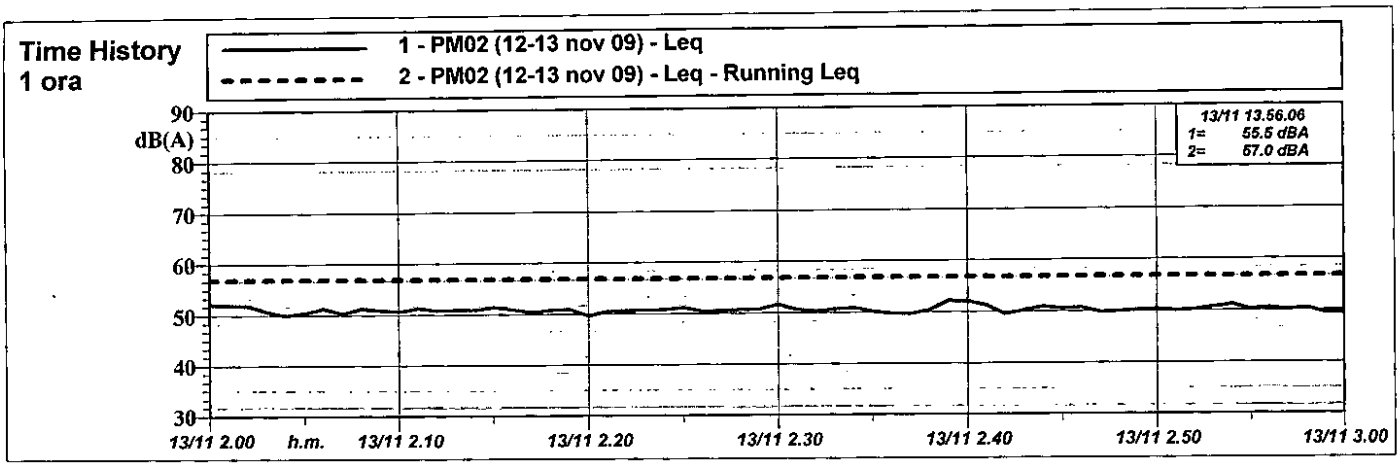
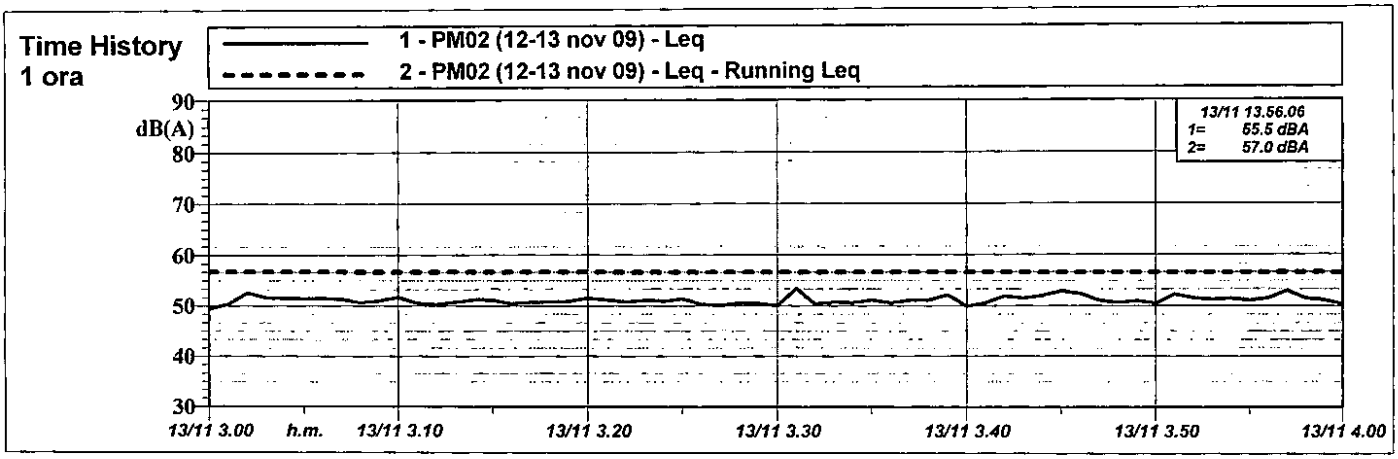
2 - PM02 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 13.56.06
1= 55.5 dBA
2= 57.0 dBA
13/11 1.00
h.m.
13/11 1.10
13/11 1.20
13/11 1.30
13/11 1.40
13/11 1.50
13/11 2.00


Time History
1 ora
1 - PM02 (12-13 nov 09) - Leq
2 - PM02 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 13.56.06
1= 55.5 dBA
2= 57.0 dBA
13/11 2.00
h.m.
13/11 2.10
13/11 2.20
13/11 2.30
13/11 2.40
13/11 2.50
13/11 3.00


Time History
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1 - PM02 (12-13 nov 09) - Leq
2 - PM02 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
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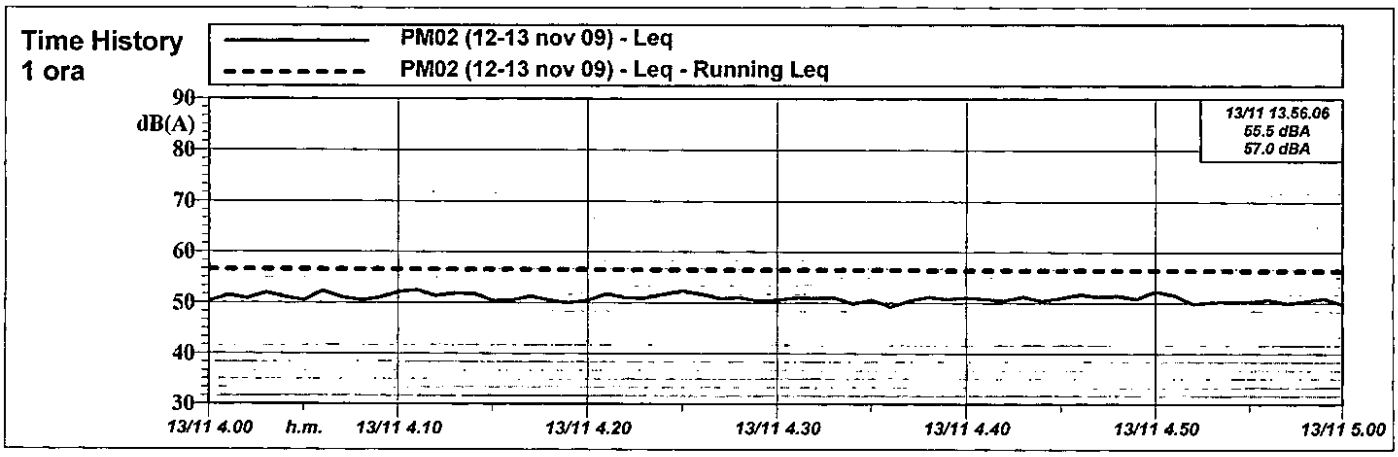
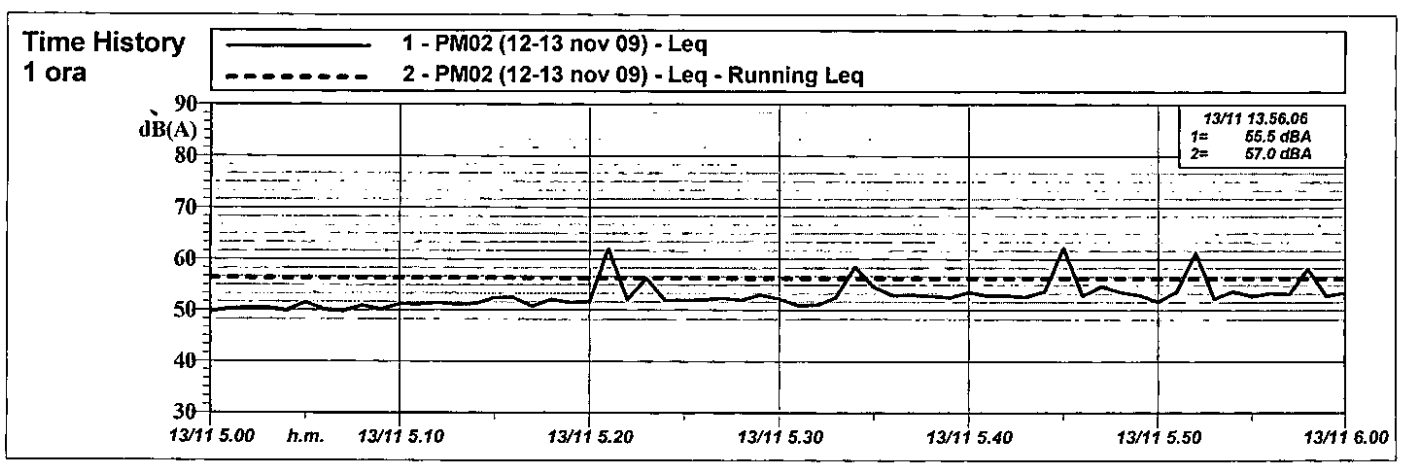
60
50
40
30
13/11 13.56.06
1= 55.5 dBA
2= 57.0 dBA
13/11 3.00
h.m.
13/11 3.10
13/11 3.20
13/11 3.30
13/11 3.40
13/11 3.50
13/11 4.00


Time History
1 ora
PM02 (12-13 nov 09) - Leq
PM02 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 13.56.06
55.5 dBA
57.0 dBA
13/11 4.00
h.m.
13/11 4.10
13/11 4.20
13/11 4.30
13/11 4.40
13/11 4.50
13/11 5.00


Time History
1 ora
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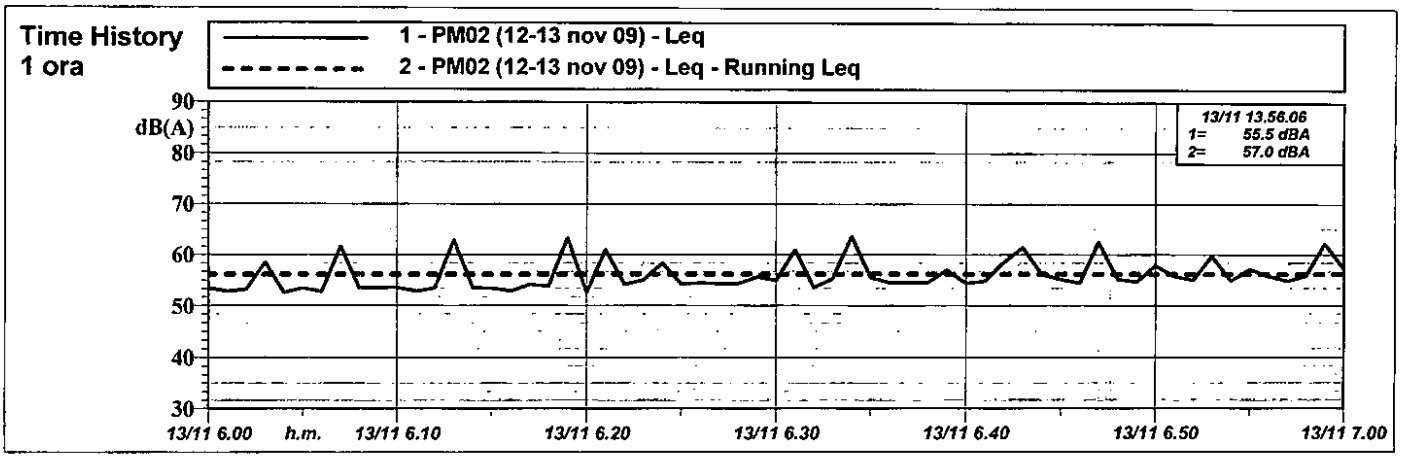
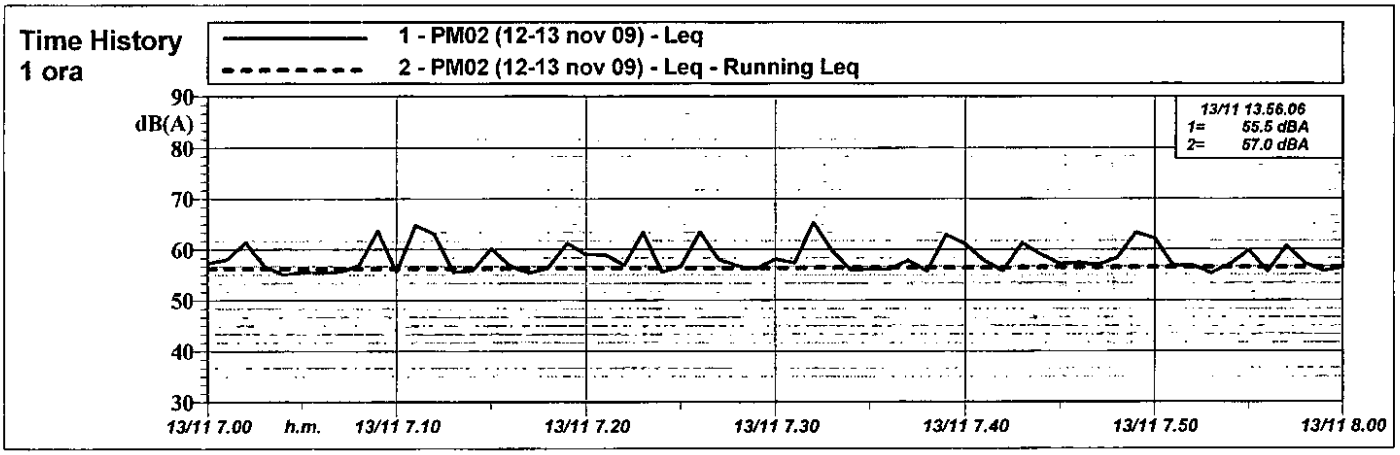
2 - PM02 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 13.56.06
1= 55.5 dBA
2= 57.0 dBA
13/11 5.00
h.m.
13/11 5.10
13/11 5.20
13/11 5.30
13/11 5.40
13/11 5.50
13/11 6.00


Time History
1 ora
1 - PM02 (12-13 nov 09) - Leq
2 - PM02 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 13.56.06
1= 55.5 dBA
2= 57.0 dBA
13/11 6.00
h.m.
13/11 6.10
13/11 6.20
13/11 6.30
13/11 6.40
13/11 6.50
13/11 7.00


Time History
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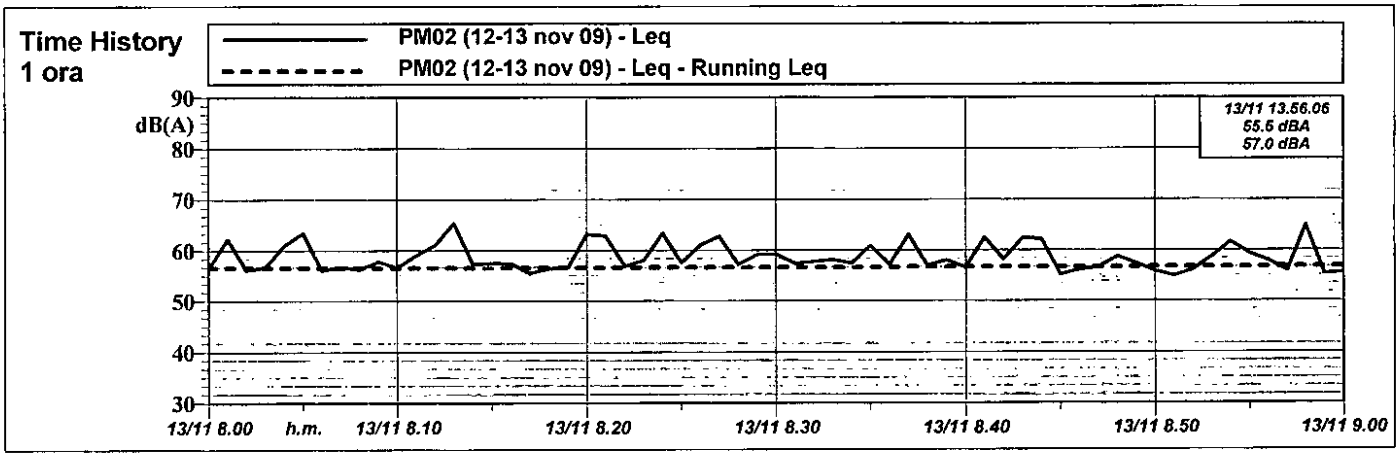
1 - PM02 (12-13 nov 09) - Leq
2 - PM02 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 13.56.06
1= 55.5 dBA
2= 57.0 dBA
13/11 7.00
h.m.
13/11 7.10
13/11 7.20
13/11 7.30
13/11 7.40
13/11 7.50
13/11 8.00


Time History
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PM02 (12-13 nov 09) - Leq
PM02 (12-13 nov 09) - Leq - Running Leq
dB(A)
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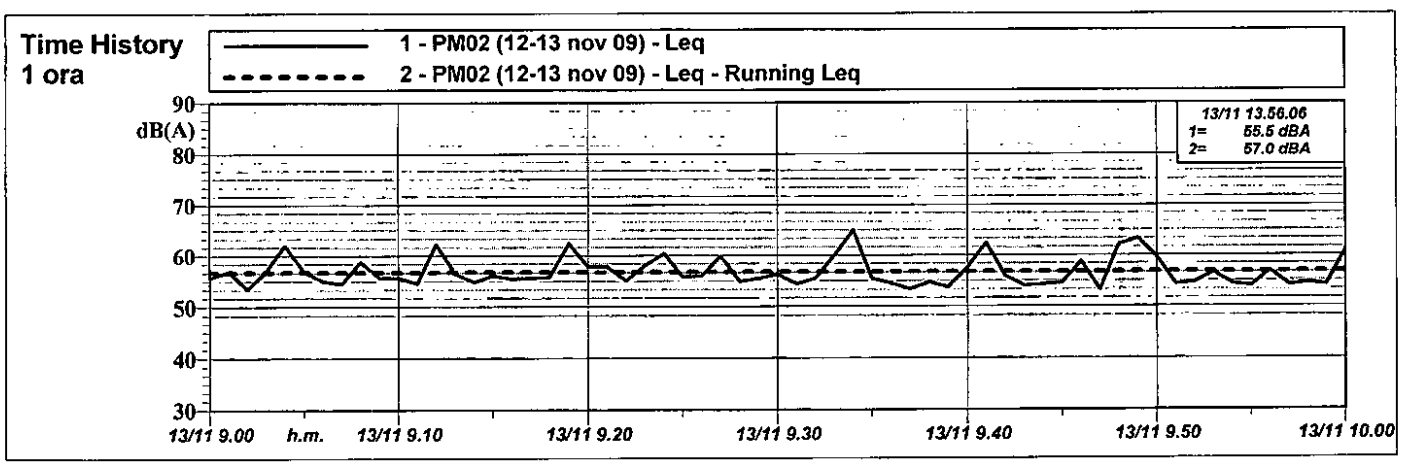
80
70
60
50
40
30
13/11 13.56.06
55.5 dBA
57.0 dBA
13/11 8.00
h.m.
13/11 8.10
13/11 8.20
13/11 8.30
13/11 8.40
13/11 8.50
13/11 9.00


Time History
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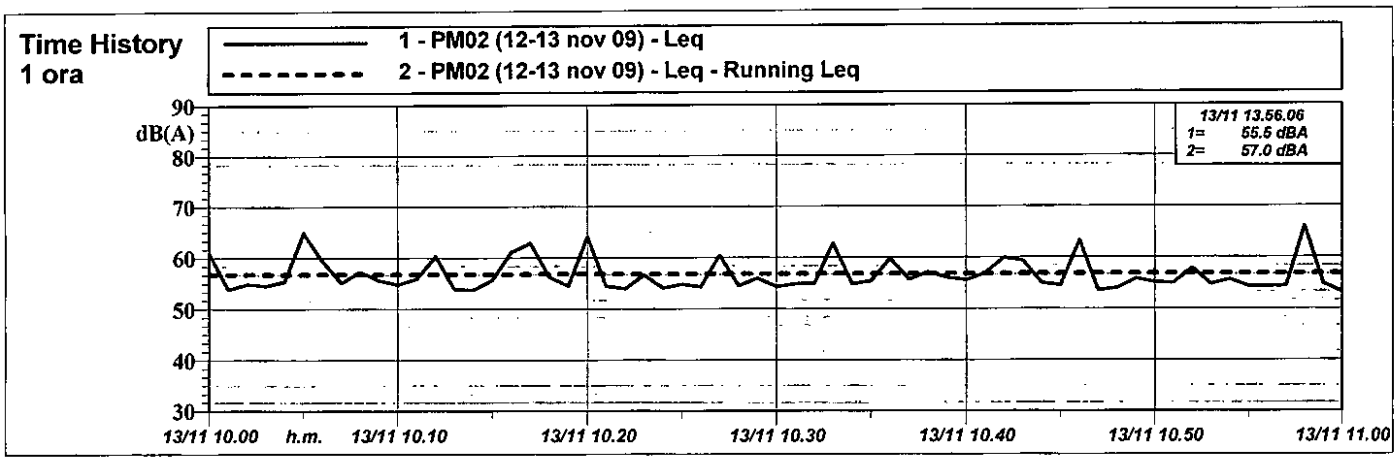
2 - PM02 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 13.56.06
1= 55.5 dBA
2= 57.0 dBA
13/11 9.00
h.m.
13/11 9.10
13/11 9.20
13/11 9.30
13/11 9.40
13/11 9.50
13/11 10.00


Time History
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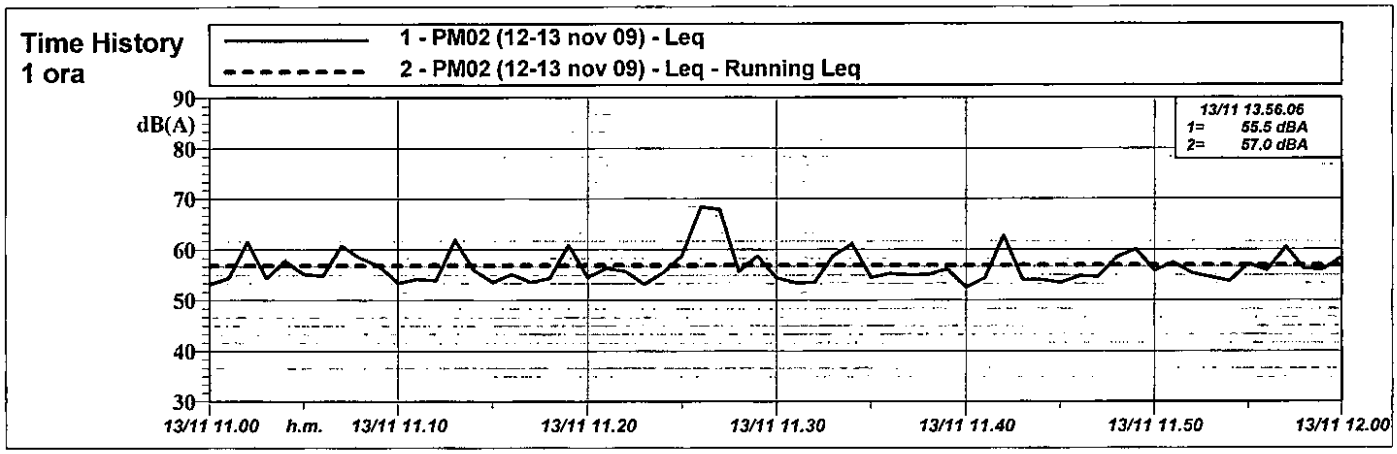
2 - PM02 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 13.56.06
1= 55.5 dBA
2= 57.0 dBA
13/11 10.00
h.m.
13/11 10.10
13/11 10.20
13/11 10.30
13/11 10.40
13/11 10.50
13/11 11.00


Time History
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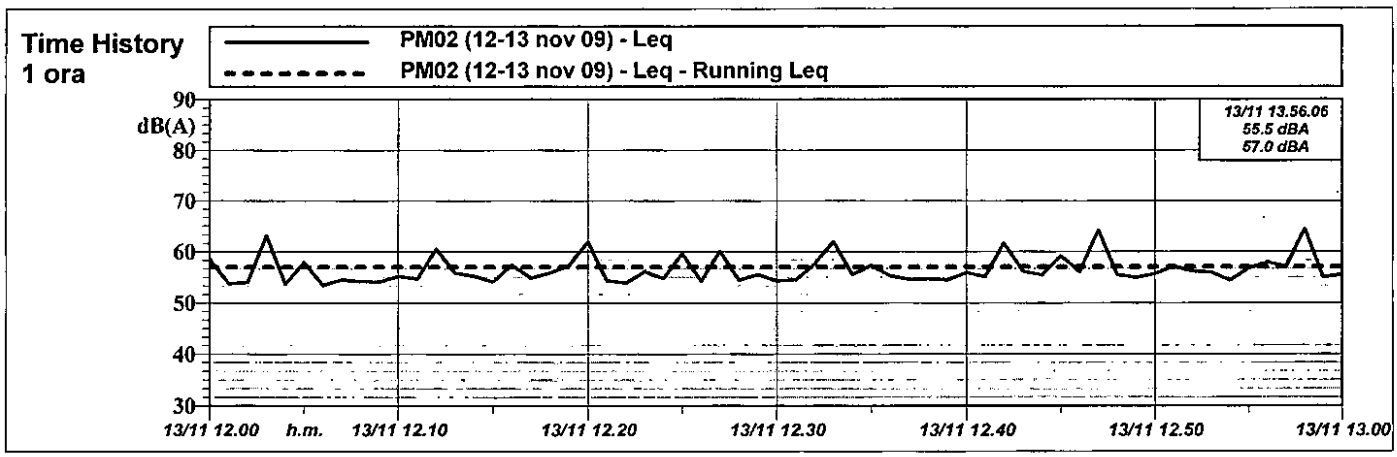
1 - PM02 (12-13 nov 09) - Leq
2 - PM02 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 13.56.06
1= 55.5 dBA
2= 57.0 dBA
13/11 11.00
h.m.
13/11 11.10
13/11 11.20
13/11 11.30
13/11 11.40
13/11 11.50
13/11 12.00


Time History
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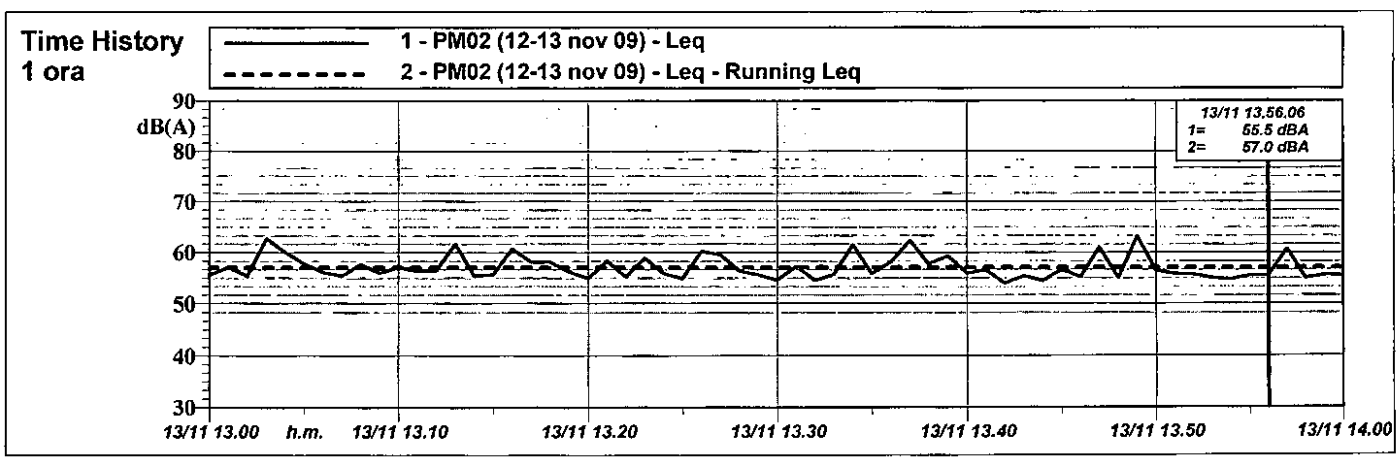
PM02 (12-13 nov 09) - Leq
PM02 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 13.56.06
55.5 dBA
57.0 dBA
13/11 12.00
h.m.
13/11 12.10
13/11 12.20
13/11 12.30
13/11 12.40
13/11 12.50
13/11 13.00


Time History
1 ora
1 - PM02 (12-13 nov 09) - Leq
2 - PM02 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
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50
40
30
13/11 13.56.06
1= 55.5 dBA
2= 57.0 dBA
13/11 13.00
h.m.
13/11 13.10
13/11 13.20
13/11 13.30
13/11 13.40
13/11 13.50
13/11 14.00

Progettazioni Ambientale e Trasporti	ACEA – IMPIANTO DI TOR DI VALLE Schede di rilevamento fonometrico

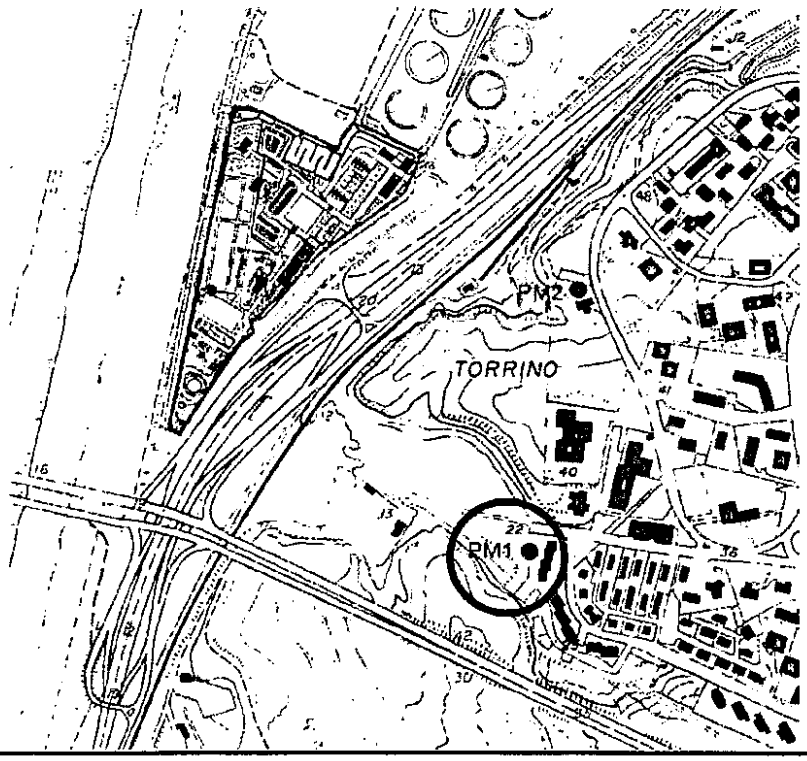
Tipo rilievo:	Monitoraggio acustico in ambiente esterno			**Punto di misura:**	**PM01**
Regione:	Lazio	**Provincia:**	Roma	**Comune:**	Roma
Localizzazione:	Via Nanchino, 26/28 (Quartiere Torrino)			**Zonizzazione:**	
Descrizione:	Il punto di misura è situato al 4° piano del fabbricato e alla distanza pari a circa 570 m dall'impianto ACEA.				
Data inizio misura:	16/12/09	**Data fine misura:**	17/12/09	**Tecnico competente:**	Ing. Tiziana Bastianello Regione Lazio n. 275
Ora inizio misura:	13:00:00	**Ora fine misura:**	13:00:00		

SINTESI ELABORAZIONE ACUSTICA				
	Media impianto acceso		Media impianto spento	
	giorno	notte	giorno	notte
L_{Aeq}	59,6	54,7	-	-
L_{99}	52,0	50,1	-	-

SINTESI PARAMETRI METEO		
	Min	Max
Temperatura [°C]	1	11
Umidità [%]	40	80
Vento V [m/s]/ dir. [°]	< 1,5 / var.	
Pioggia [mm]	assente	

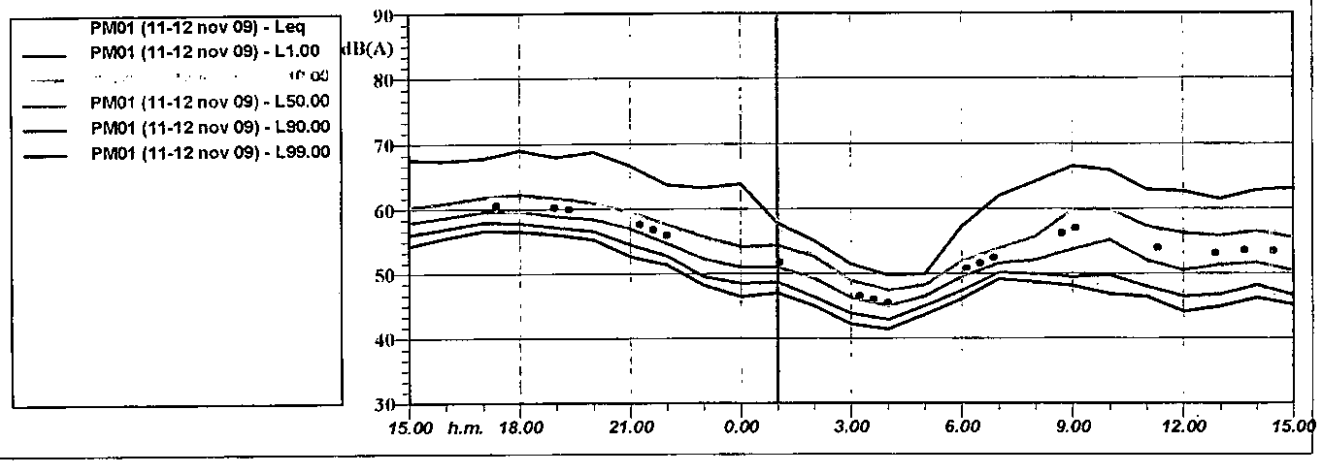
NOTE:	Il clima acustico è caratterizzato da un rumore continuo di sottofondo della centrale. Ulteriori sorgenti sono il GRA (170 m) e la linea ferroviaria e la adiacente via del Mare (410 m) La TurboGas2 è accesa per tutto il periodo di misura.

UBICAZIONE PUNTO DI MISURA



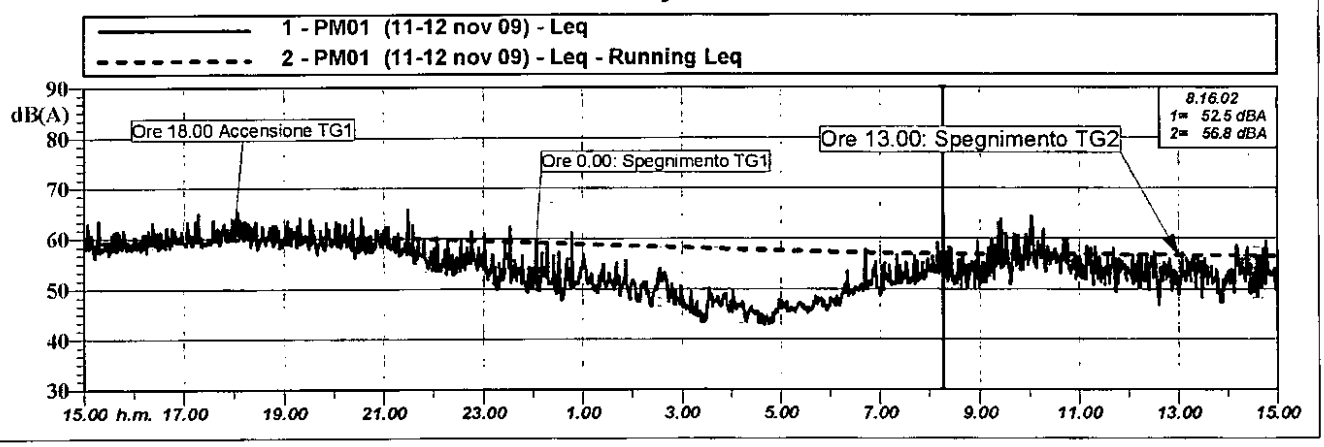
Stralcio planimetrico

Intervalli orari - Leq e dei Livelli percentili

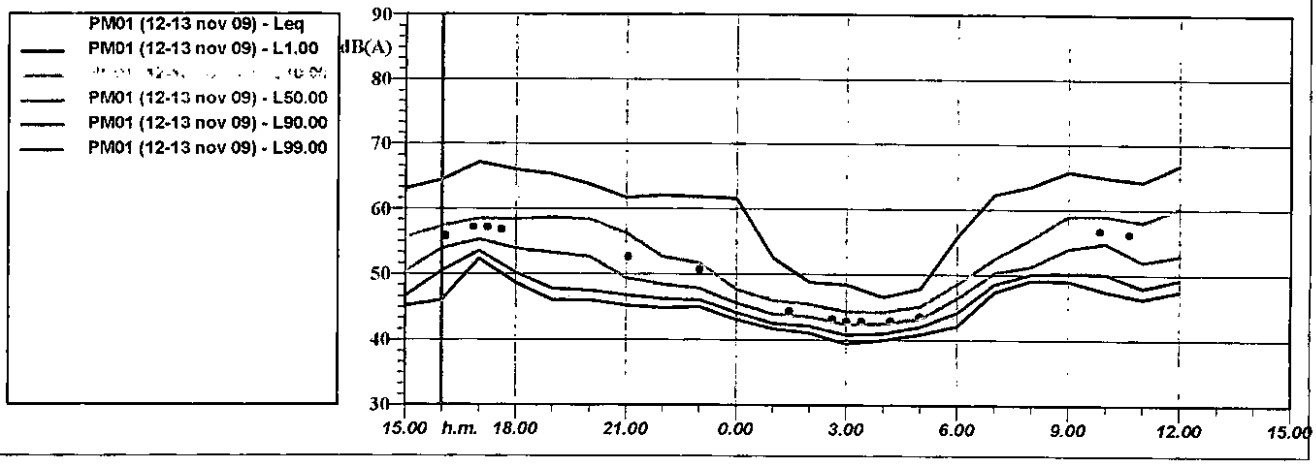


	LEQ	L1	L10	L50	L90	L99
15.00.00	59.0 dBA	67.6 dBA	60.4 dBA	57.9 dBA	56.1 dBA	54.3 dBA
16.00.00	59.7 dBA	67.4 dBA	60.9 dBA	58.7 dBA	56.9 dBA	55.6 dBA
17.00.00	60.4 dBA	67.8 dBA	61.8 dBA	59.5 dBA	57.9 dBA	56.6 dBA
18.00.00	60.8 dBA	69.1 dBA	62.3 dBA	59.6 dBA	57.8 dBA	56.5 dBA
19.00.00	60.2 dBA	68.0 dBA	61.7 dBA	58.9 dBA	57.1 dBA	56.0 dBA
20.00.00	59.7 dBA	68.8 dBA	60.9 dBA	58.3 dBA	56.5 dBA	55.3 dBA
21.00.00	58.2 dBA	66.6 dBA	59.6 dBA	56.9 dBA	54.5 dBA	52.7 dBA
22.00.00	55.9 dBA	63.7 dBA	57.6 dBA	54.7 dBA	52.8 dBA	51.4 dBA
23.00.00	54.2 dBA	63.2 dBA	55.8 dBA	52.3 dBA	49.5 dBA	48.2 dBA
0.00.00	53.2 dBA	63.8 dBA	54.2 dBA	51.0 dBA	48.4 dBA	46.5 dBA
1.00.00	52.0 dBA	57.8 dBA	54.4 dBA	51.1 dBA	48.6 dBA	47.1 dBA
2.00.00	50.1 dBA	55.0 dBA	52.7 dBA	49.2 dBA	46.3 dBA	45.0 dBA
3.00.00	46.8 dBA	51.5 dBA	48.9 dBA	46.3 dBA	43.8 dBA	42.2 dBA
4.00.00	45.5 dBA	49.7 dBA	47.4 dBA	45.0 dBA	42.8 dBA	41.4 dBA
5.00.00	46.6 dBA	49.9 dBA	48.2 dBA	46.4 dBA	45.0 dBA	43.6 dBA
6.00.00	50.5 dBA	57.2 dBA	51.9 dBA	49.4 dBA	47.3 dBA	46.0 dBA
7.00.00	52.8 dBA	62.0 dBA	53.9 dBA	51.6 dBA	50.2 dBA	49.1 dBA
8.00.00	54.3 dBA	64.2 dBA	55.8 dBA	52.1 dBA	49.9 dBA	48.7 dBA
9.00.00	57.0 dBA	66.5 dBA	59.8 dBA	53.7 dBA	49.5 dBA	48.1 dBA
10.00.00	57.3 dBA	65.9 dBA	60.0 dBA	55.2 dBA	49.7 dBA	46.9 dBA
11.00.00	54.4 dBA	63.0 dBA	57.3 dBA	52.1 dBA	48.0 dBA	46.4 dBA
12.00.00	53.4 dBA	62.6 dBA	56.3 dBA	50.5 dBA	46.4 dBA	44.1 dBA
13.00.00	53.1 dBA	61.5 dBA	55.9 dBA	51.3 dBA	46.7 dBA	44.9 dBA
14.00.00	53.9 dBA	62.9 dBA	56.6 dBA	51.7 dBA	48.2 dBA	46.3 dBA

Time History - Periodo misura

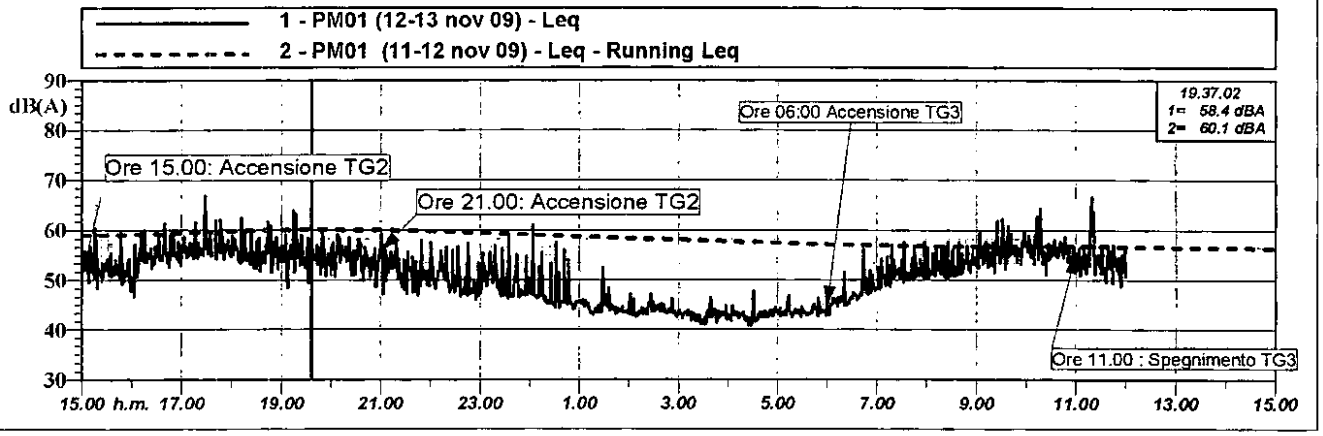


Intervalli orari - Leq e dei Livelli percentili

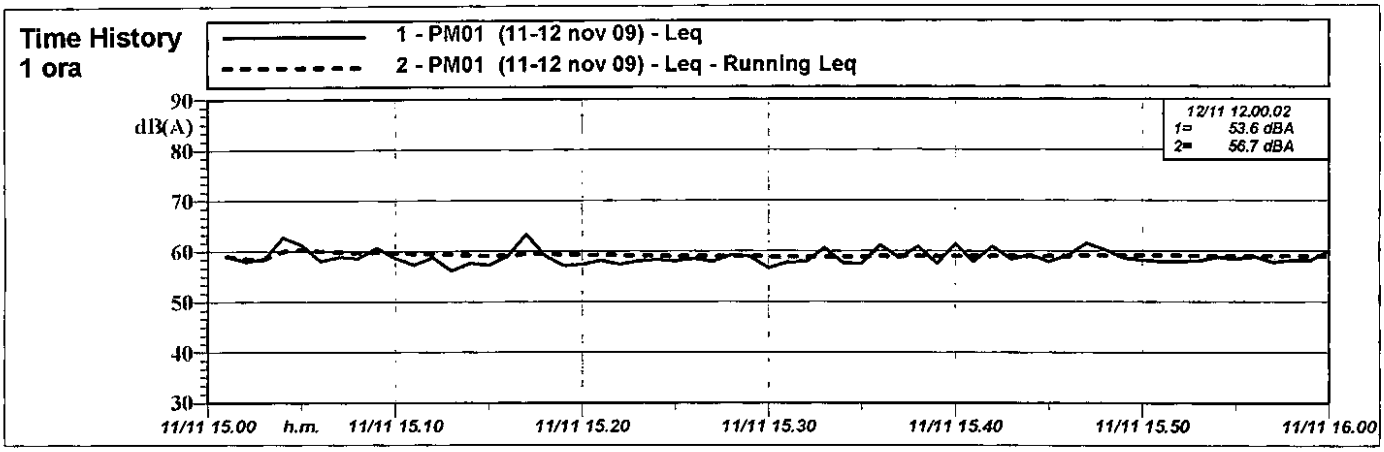


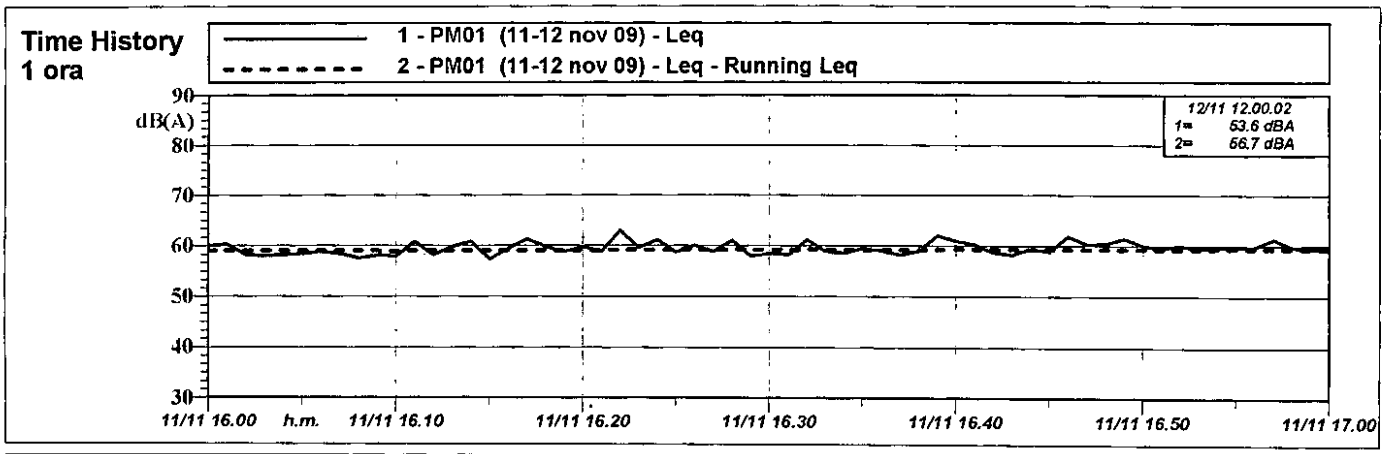
	LEQ	L1	L10	L50	L90	L99
15.00.00	53.2 dBA	63.1 dBA	55.6 dBA	50.4 dBA	46.7 dBA	45.2 dBA
16.00.00	55.7 dBA	64.5 dBA	57.4 dBA	53.9 dBA	50.5 dBA	46.0 dBA
17.00.00	57.5 dBA	67.2 dBA	58.5 dBA	55.3 dBA	53.5 dBA	52.3 dBA
18.00.00	56.3 dBA	66.1 dBA	58.4 dBA	53.9 dBA	50.3 dBA	48.7 dBA
19.00.00	56.2 dBA	65.4 dBA	58.7 dBA	53.3 dBA	47.8 dBA	46.1 dBA
20.00.00	55.2 dBA	63.9 dBA	58.4 dBA	52.7 dBA	47.6 dBA	46.1 dBA
21.00.00	52.8 dBA	61.8 dBA	56.2 dBA	49.4 dBA	46.8 dBA	45.3 dBA
22.00.00	51.3 dBA	62.2 dBA	52.7 dBA	48.5 dBA	46.2 dBA	44.9 dBA
23.00.00	50.9 dBA	61.9 dBA	51.8 dBA	47.9 dBA	46.1 dBA	45.0 dBA
0.00.00	49.5 dBA	61.7 dBA	47.7 dBA	45.6 dBA	44.2 dBA	43.1 dBA
1.00.00	44.9 dBA	52.6 dBA	46.0 dBA	44.0 dBA	42.5 dBA	41.7 dBA
2.00.00	44.1 dBA	48.8 dBA	45.5 dBA	43.6 dBA	42.2 dBA	41.1 dBA
3.00.00	43.0 dBA	48.5 dBA	44.4 dBA	42.5 dBA	40.8 dBA	39.4 dBA
4.00.00	42.9 dBA	46.7 dBA	44.3 dBA	42.5 dBA	41.0 dBA	40.0 dBA
5.00.00	43.7 dBA	47.9 dBA	45.2 dBA	43.4 dBA	42.0 dBA	40.9 dBA
6.00.00	47.6 dBA	55.8 dBA	48.6 dBA	46.4 dBA	44.2 dBA	42.2 dBA
7.00.00	52.1 dBA	62.3 dBA	52.5 dBA	50.3 dBA	48.6 dBA	47.4 dBA
8.00.00	53.5 dBA	63.6 dBA	55.5 dBA	51.3 dBA	50.1 dBA	49.2 dBA
9.00.00	56.6 dBA	65.9 dBA	59.0 dBA	54.0 dBA	50.3 dBA	49.0 dBA
10.00.00	56.8 dBA	64.9 dBA	58.9 dBA	54.8 dBA	50.2 dBA	47.5 dBA
11.00.00	56.0 dBA	64.3 dBA	58.0 dBA	51.9 dBA	47.9 dBA	46.4 dBA
12.00.00	56.8 dBA	66.8 dBA	60.2 dBA	52.9 dBA	49.2 dBA	47.5 dBA

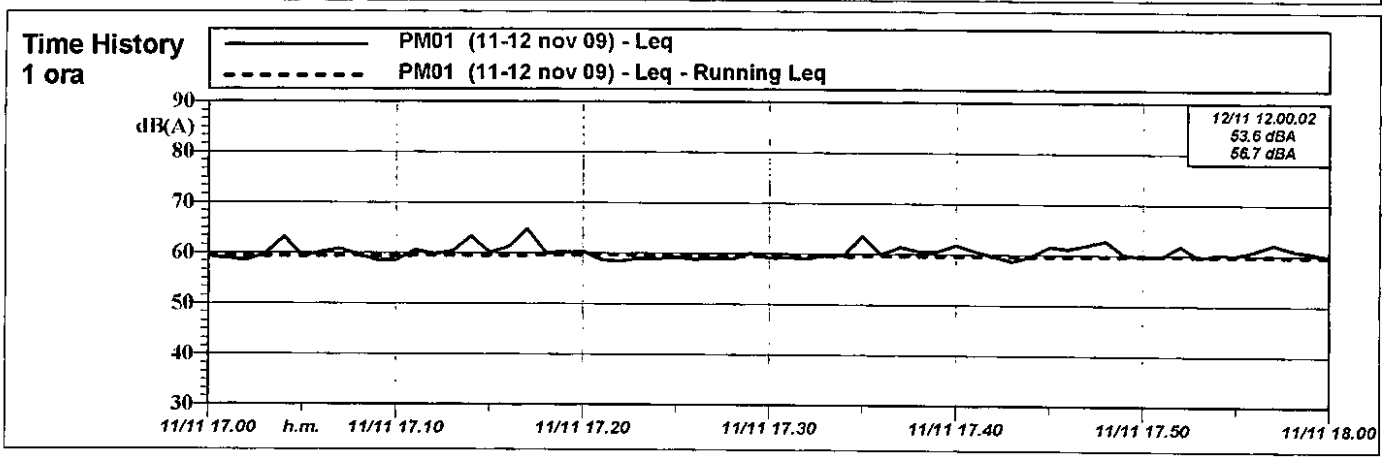
Time History - Periodo misura

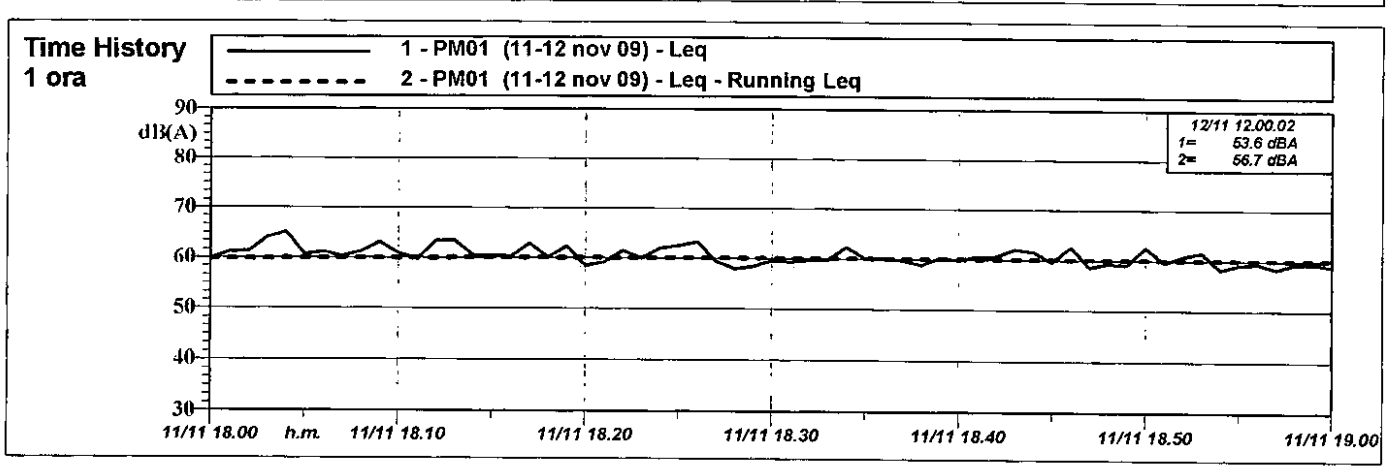


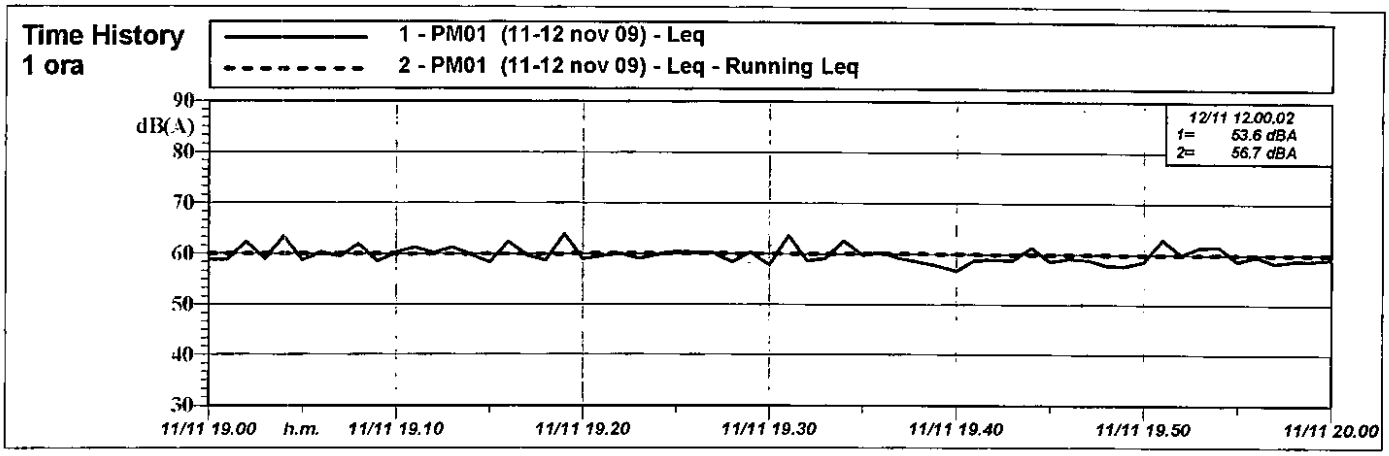
Progettazione Ambientale e Trasporti	CARATTERIZZAZIONE ACUSTICA
	Localizzazione punto di misura e sintesi del rilievo fonometrico

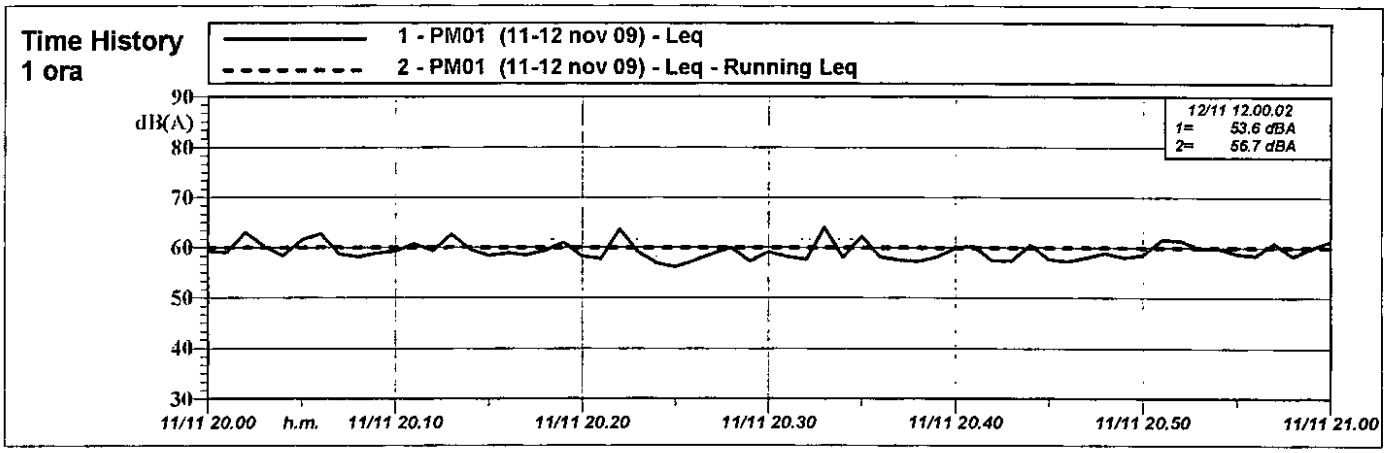


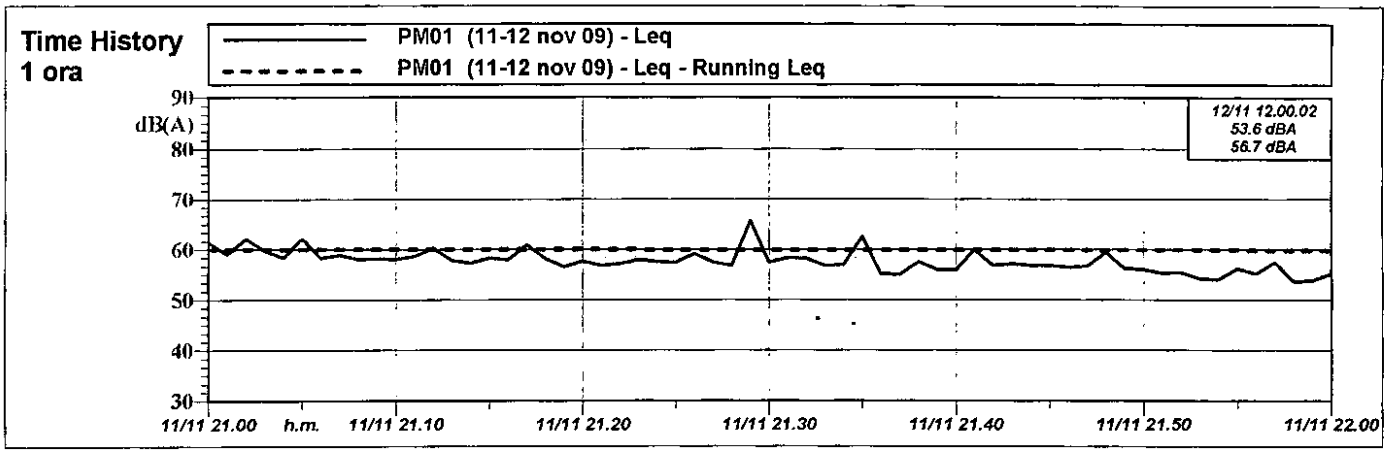


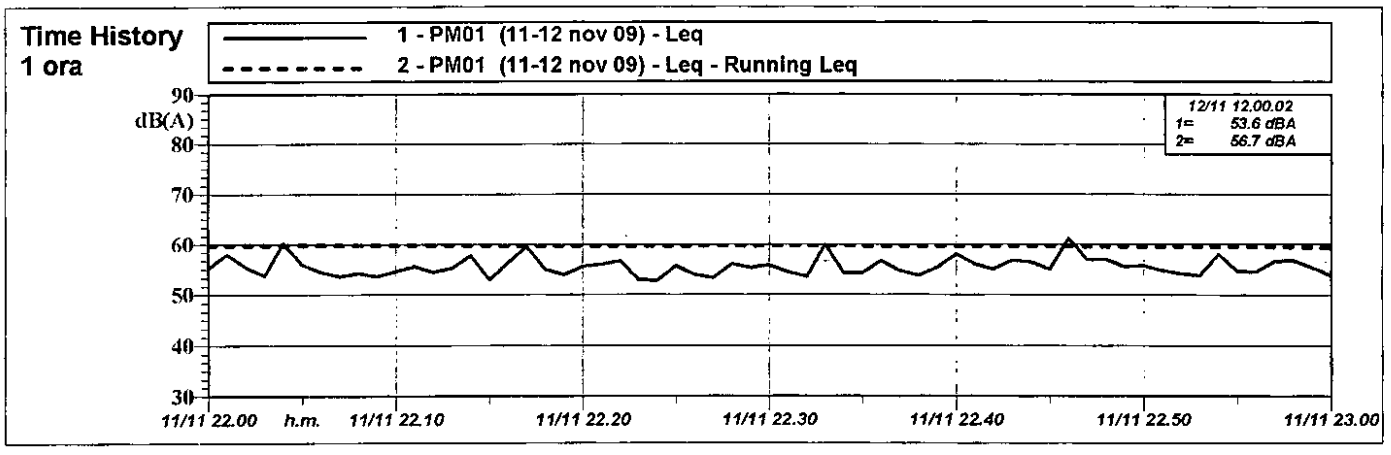





Time History
1 ora
1 - PM01 (11-12 nov 09) - Leq
2 - PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
1= 53.6 dBA
2= 56.7 dBA
11/11 19.00
h.m.
11/11 19.10
11/11 19.20
11/11 19.30
11/11 19.40
11/11 19.50
11/11 20.00


Time History
1 ora
1 - PM01 (11-12 nov 09) - Leq
2 - PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
1= 53.6 dBA
2= 56.7 dBA
11/11 20.00
h.m.
11/11 20.10
11/11 20.20
11/11 20.30
11/11 20.40
11/11 20.50
11/11 21.00

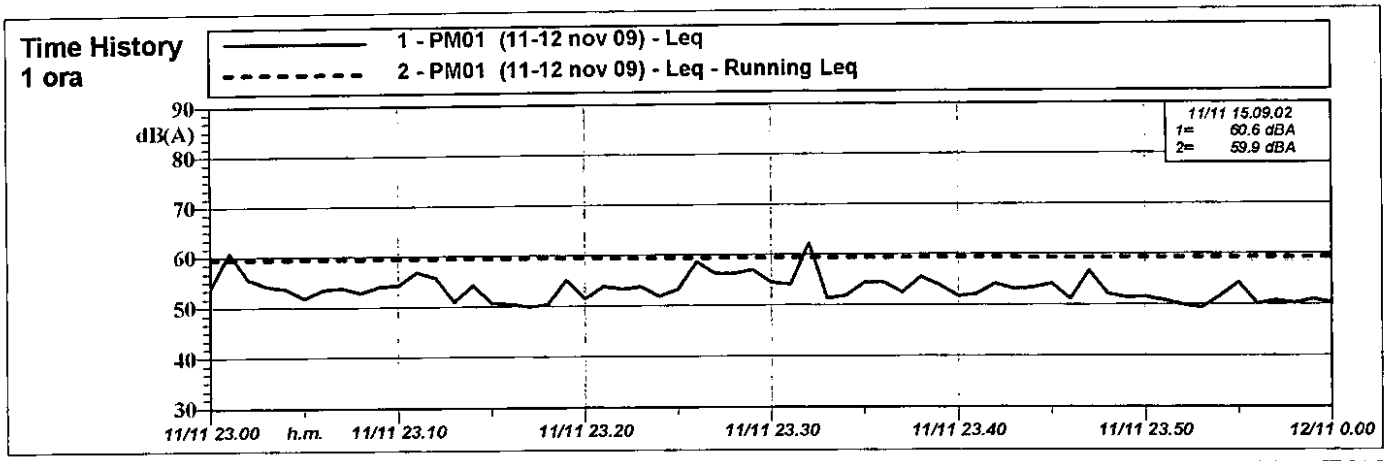

Time History
1 ora
PM01 (11-12 nov 09) - Leq
PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
53.6 dBA
56.7 dBA
11/11 21.00
h.m.
11/11 21.10
11/11 21.20
11/11 21.30
11/11 21.40
11/11 21.50
11/11 22.00

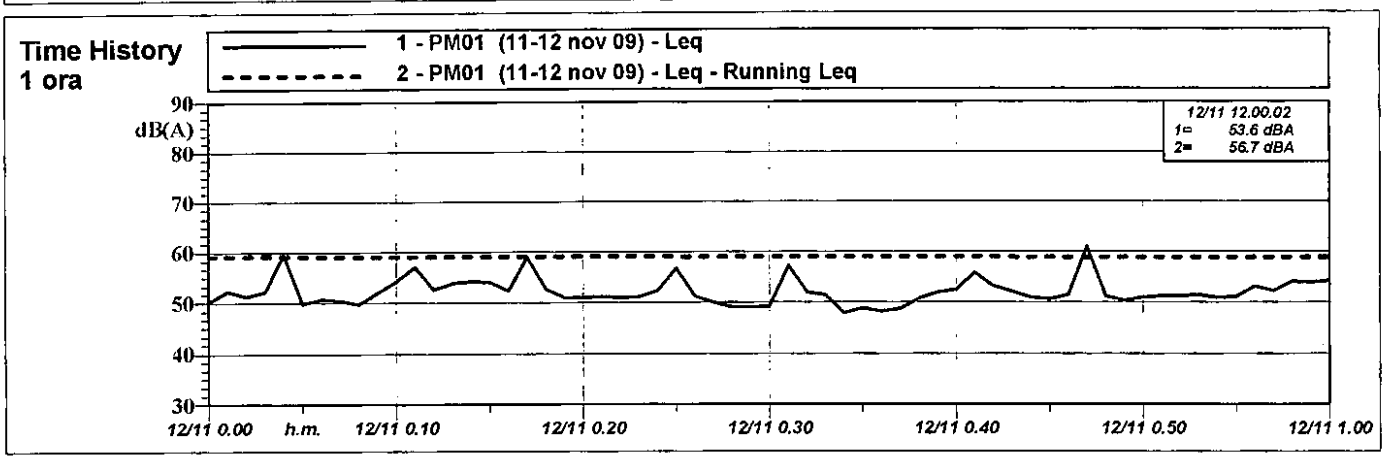

Time History
1 ora
1 - PM01 (11-12 nov 09) - Leq
2 - PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
1= 53.6 dBA
2= 56.7 dBA
11/11 22.00
h.m.
11/11 22.10
11/11 22.20
11/11 22.30
11/11 22.40
11/11 22.50
11/11 23.00

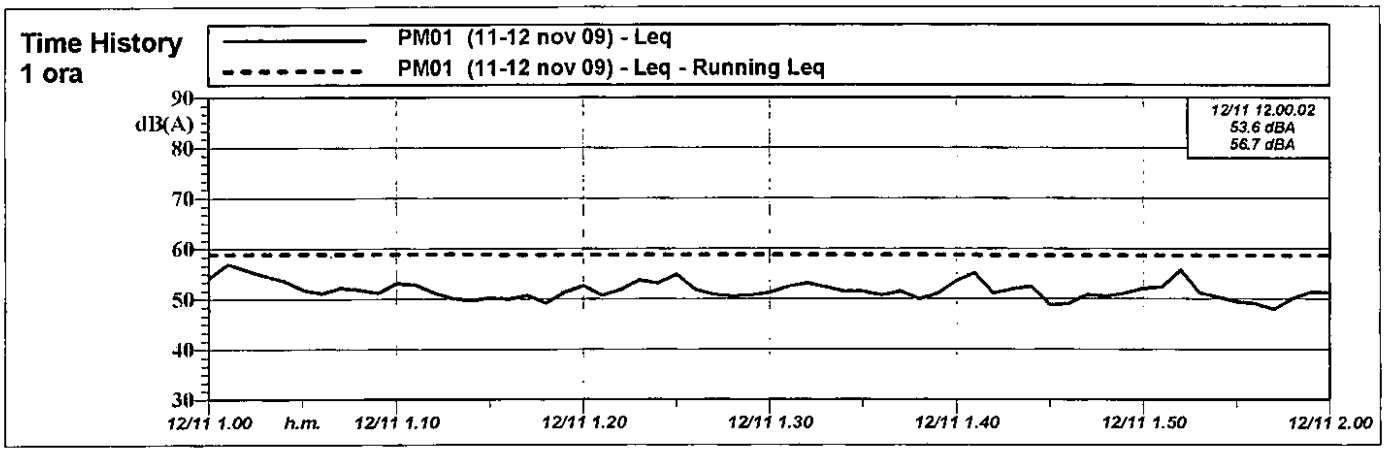
Progettazione Ambiente e Trasporti

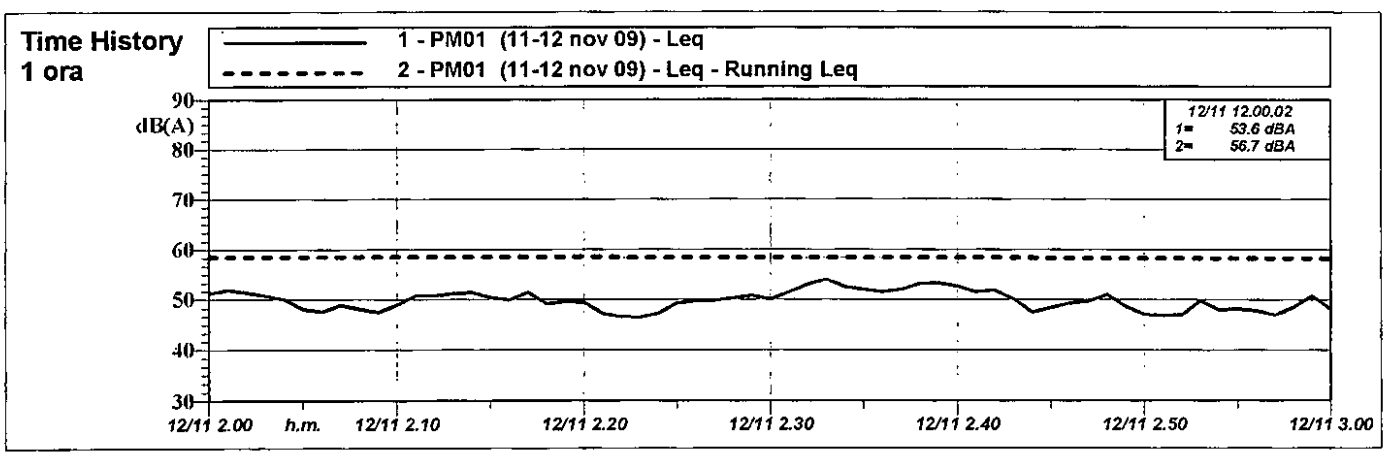
CARATTERIZZAZIONE ACUSTICA

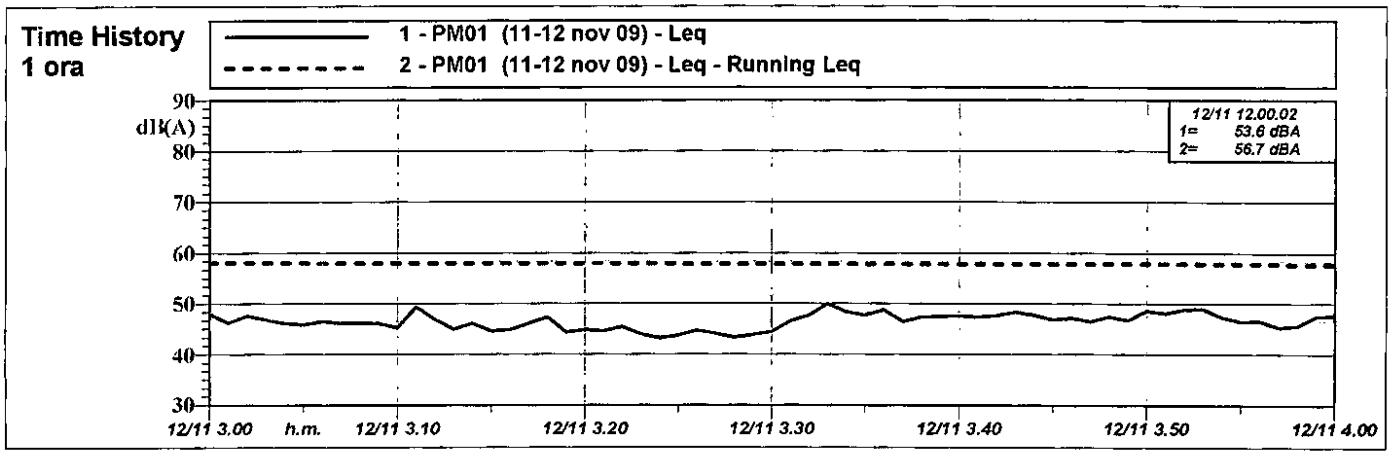
Localizzazione punto di misura e sintesi del rilievo fonometrico

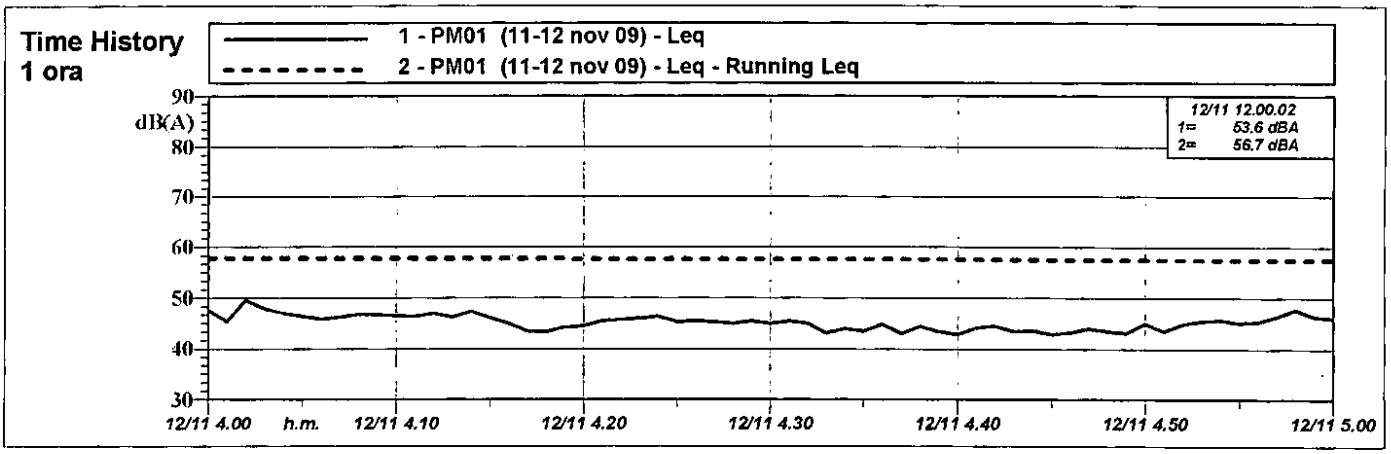


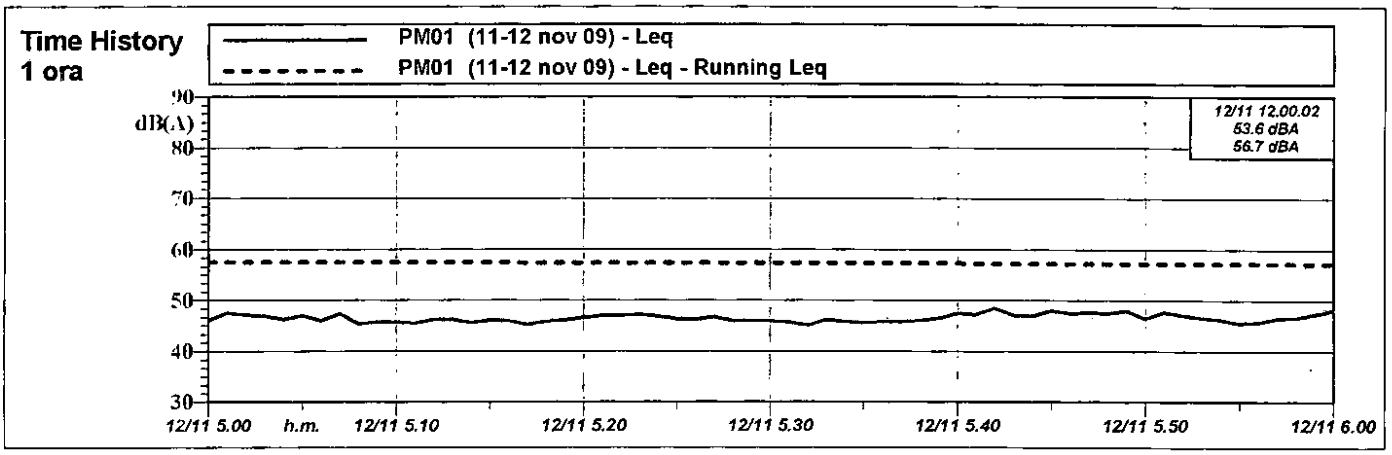


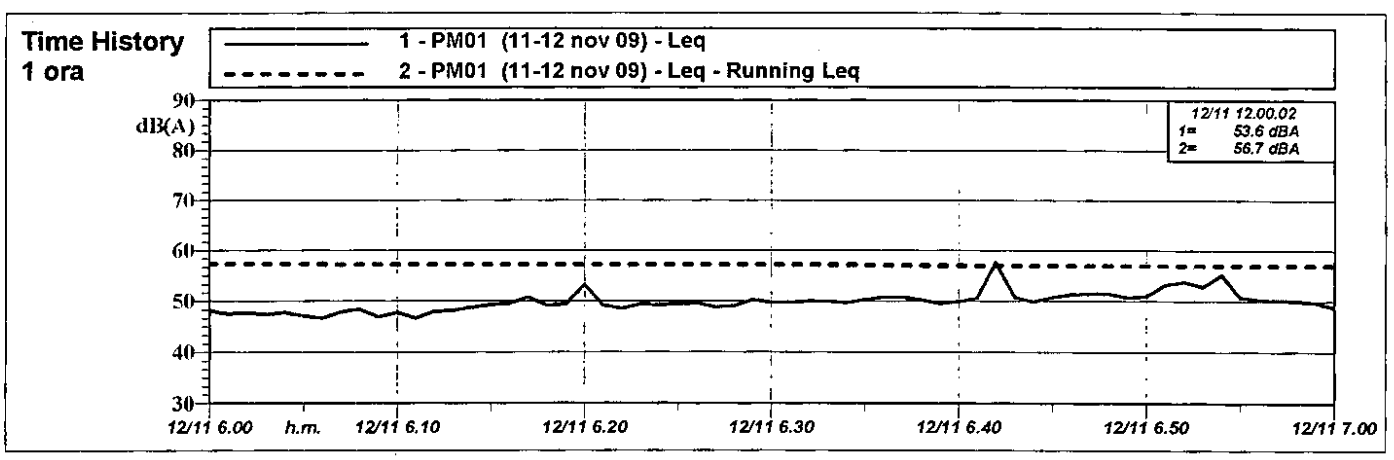





Time History
1 ora
1 - PM01 (11-12 nov 09) - Leq
2 - PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
1= 53.6 dBA
2= 56.7 dBA
12/11 3.00
h.m.
12/11 3.10
12/11 3.20
12/11 3.30
12/11 3.40
12/11 3.50
12/11 4.00


Time History
1 ora
1 - PM01 (11-12 nov 09) - Leq
2 - PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
1= 53.6 dBA
2= 56.7 dBA
12/11 4.00
h.m.
12/11 4.10
12/11 4.20
12/11 4.30
12/11 4.40
12/11 4.50
12/11 5.00

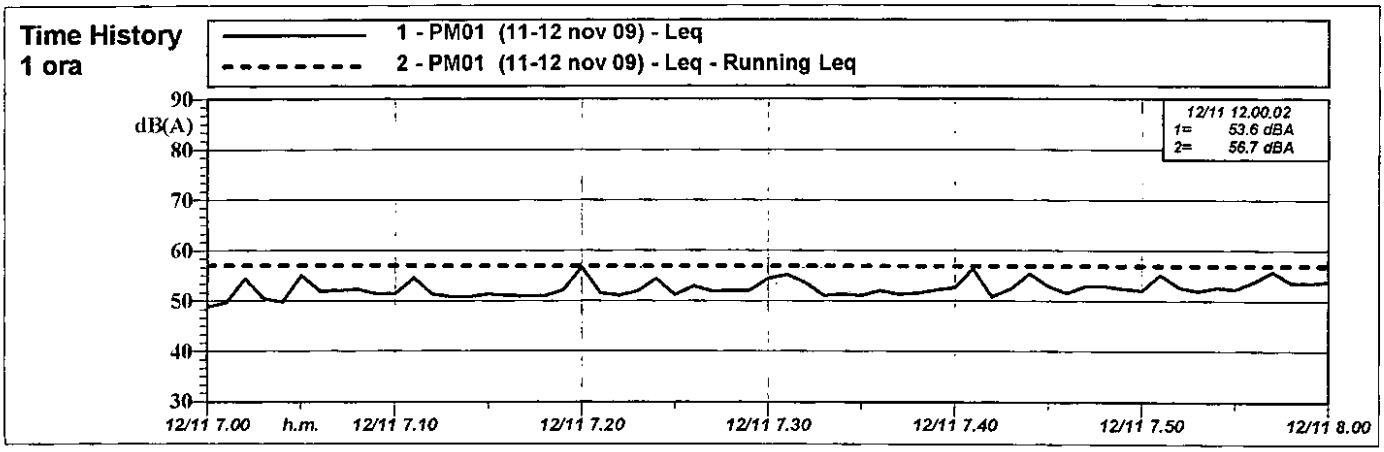

Time History
1 ora
PM01 (11-12 nov 09) - Leq
PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
53.6 dBA
56.7 dBA
12/11 5.00
h.m.
12/11 5.10
12/11 5.20
12/11 5.30
12/11 5.40
12/11 5.50
12/11 6.00

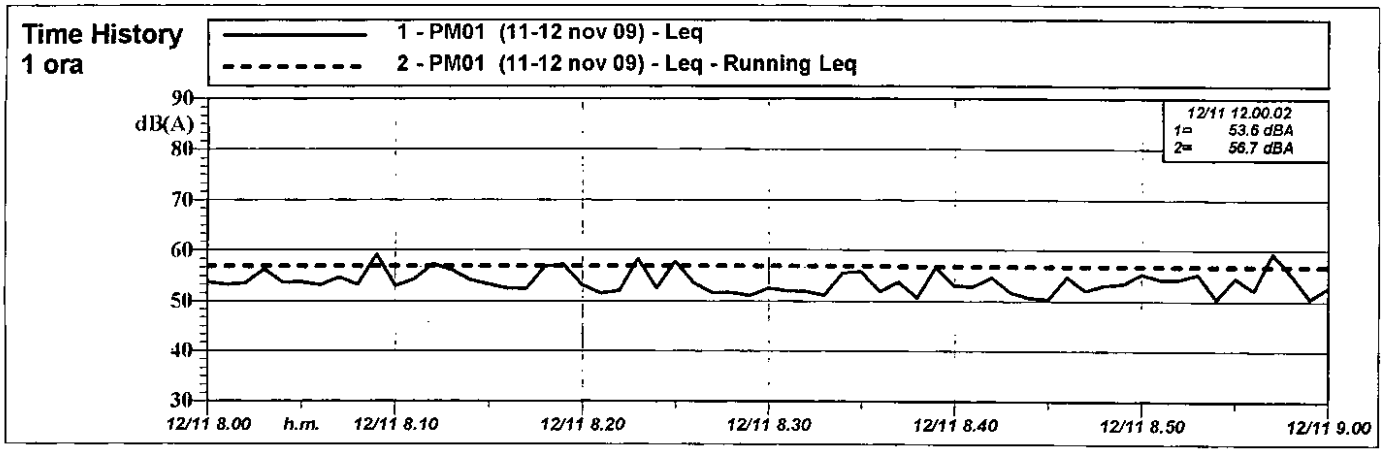

Time History
1 ora
1 - PM01 (11-12 nov 09) - Leq
2 - PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
1= 53.6 dBA
2= 56.7 dBA
12/11 6.00
h.m.
12/11 6.10
12/11 6.20
12/11 6.30
12/11 6.40
12/11 6.50
12/11 7.00

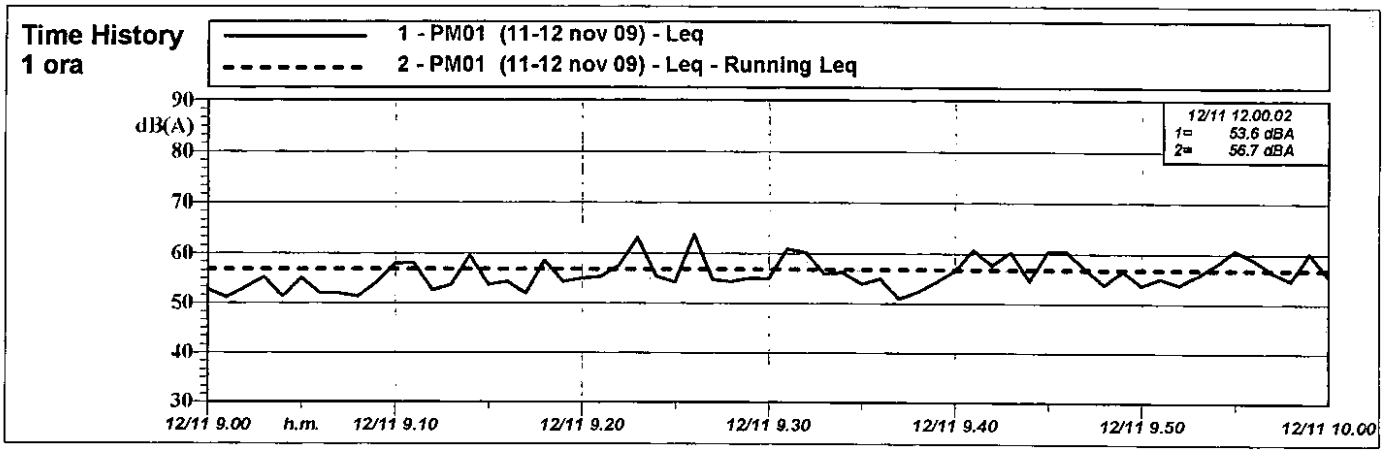
Progettazione Ambiente e Trasporti

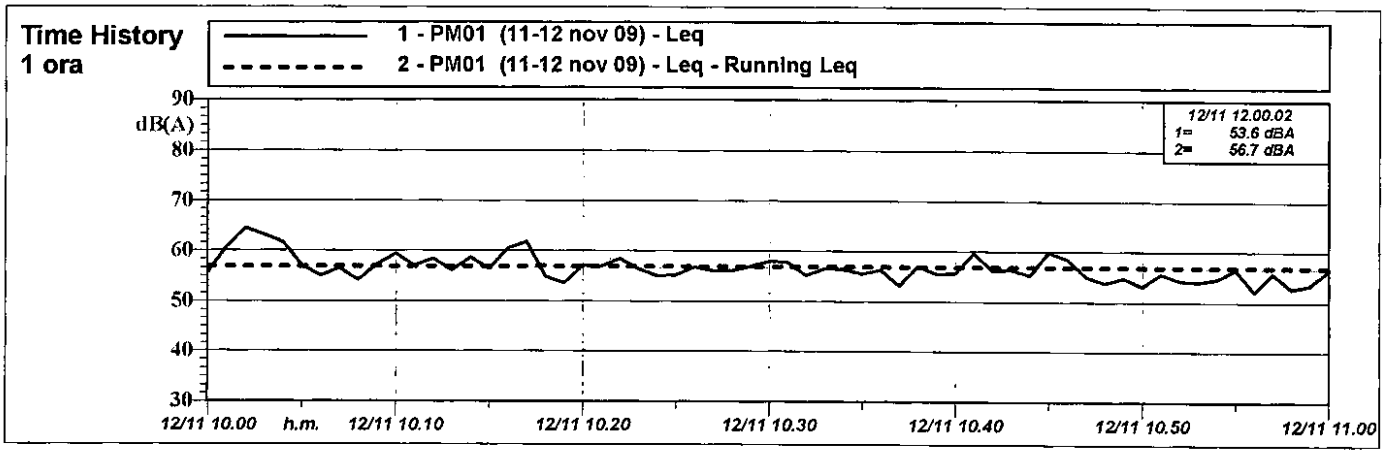
CARATTERIZZAZIONE ACUSTICA

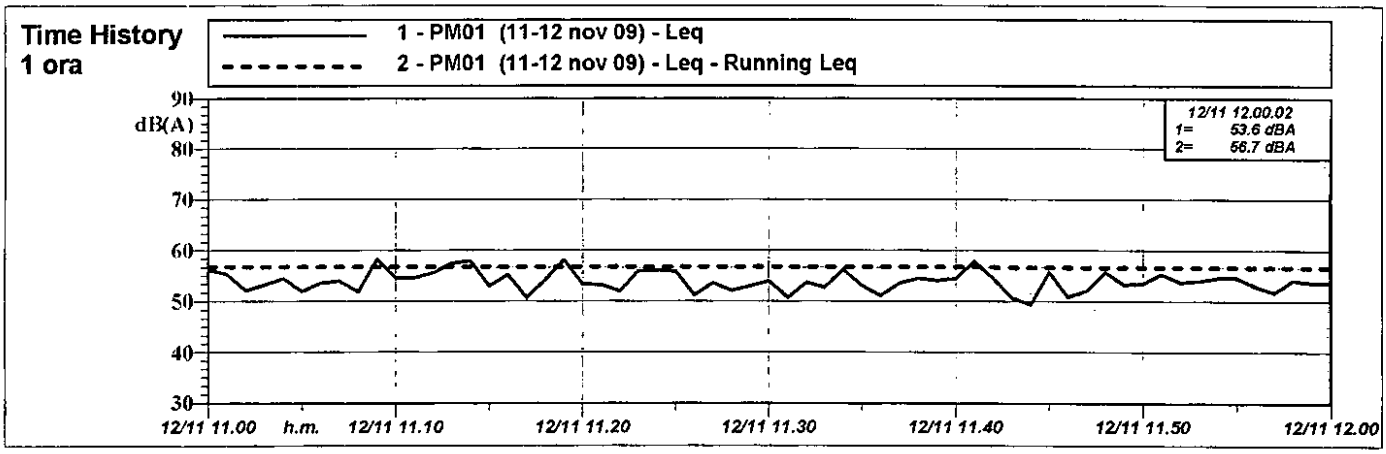
Localizzazione punto di misura e sintesi del rilievo fonometrico

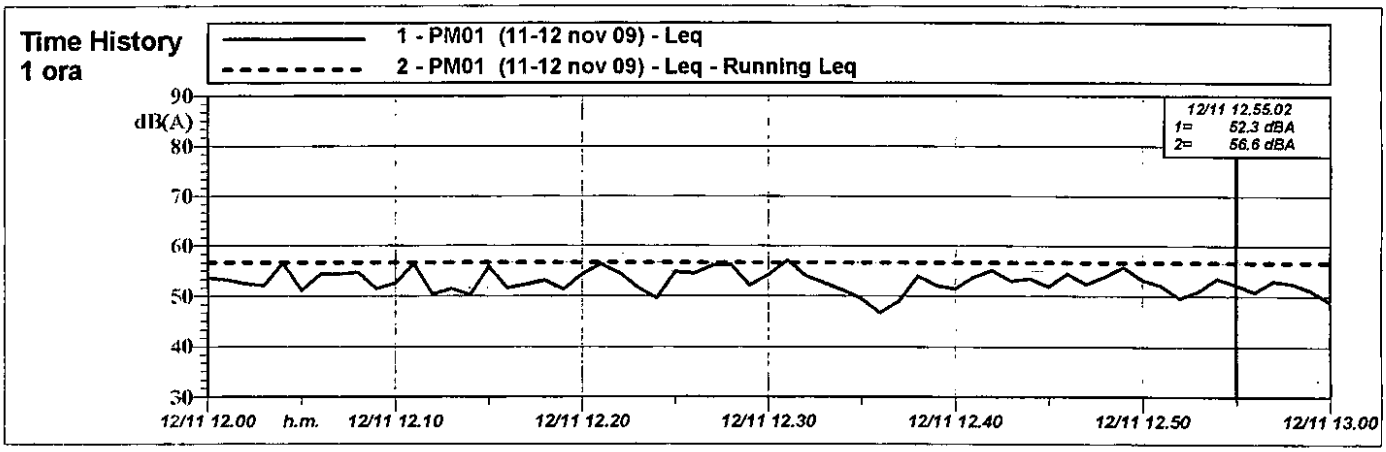


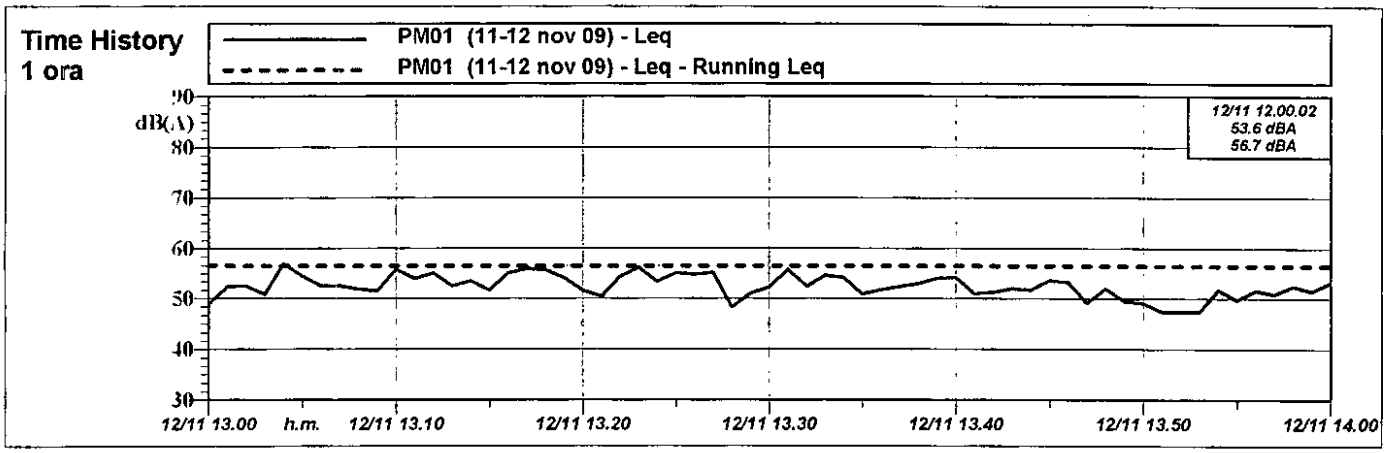


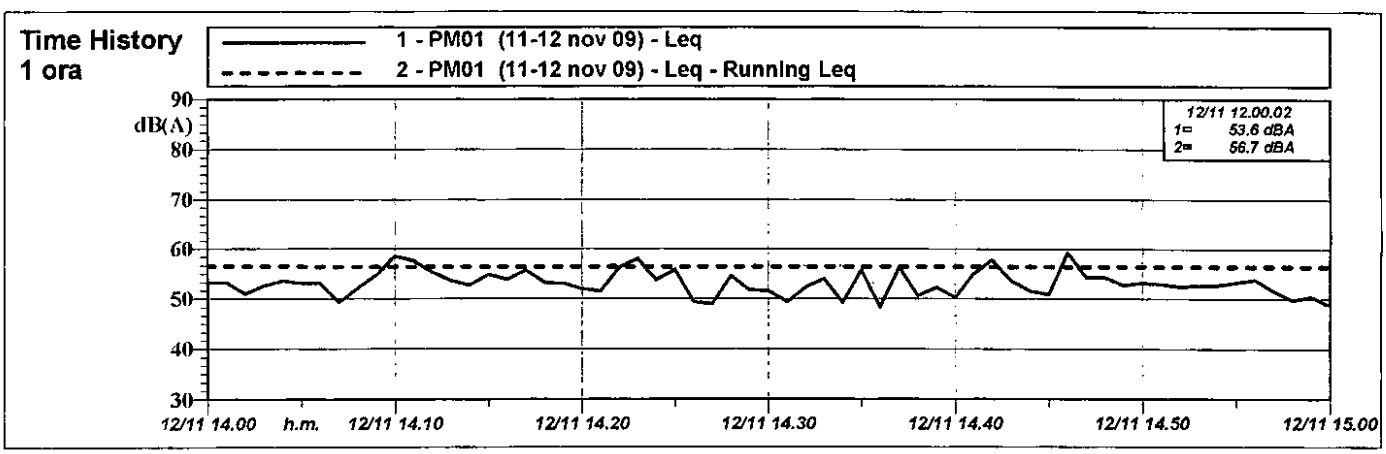


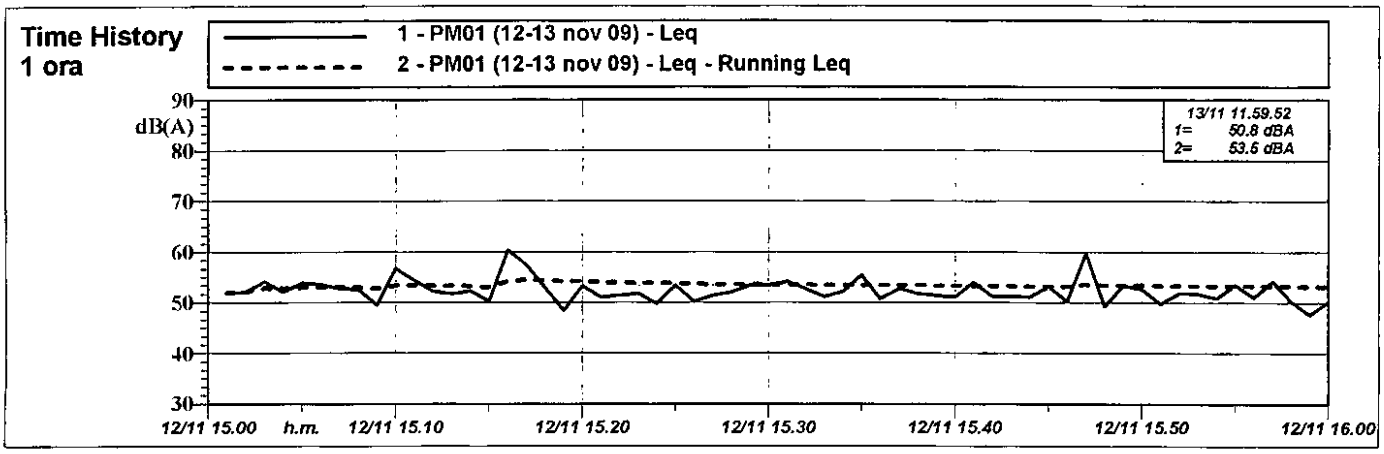


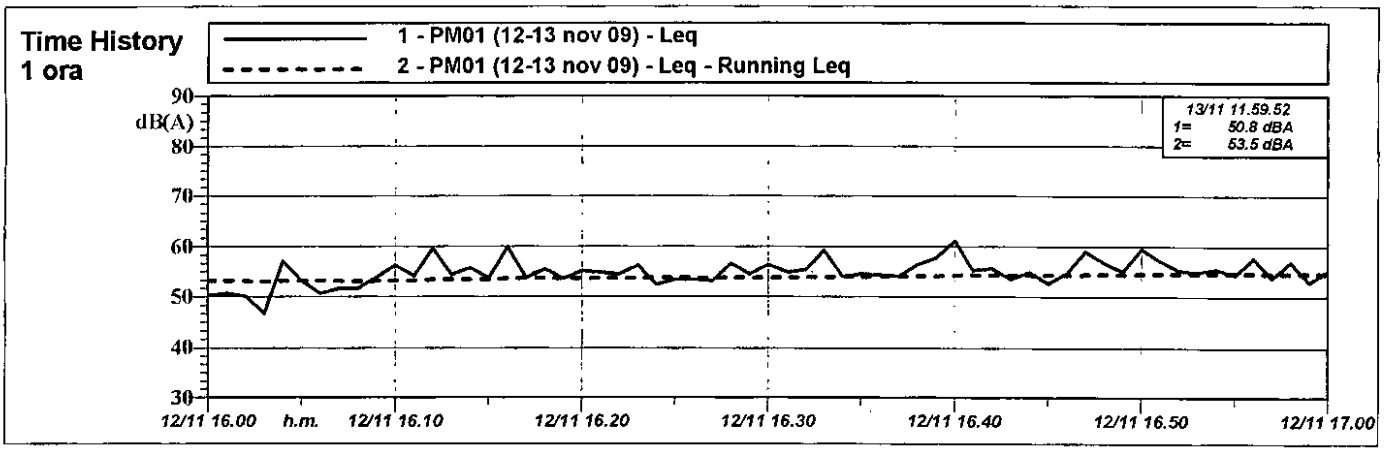

Time History
1 ora
1 - PM01 (11-12 nov 09) - Leq
2 - PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
1= 53.6 dBA
2= 56.7 dBA
12/11 11.00
h.m.
12/11 11.10
12/11 11.20
12/11 11.30
12/11 11.40
12/11 11.50
12/11 12.00

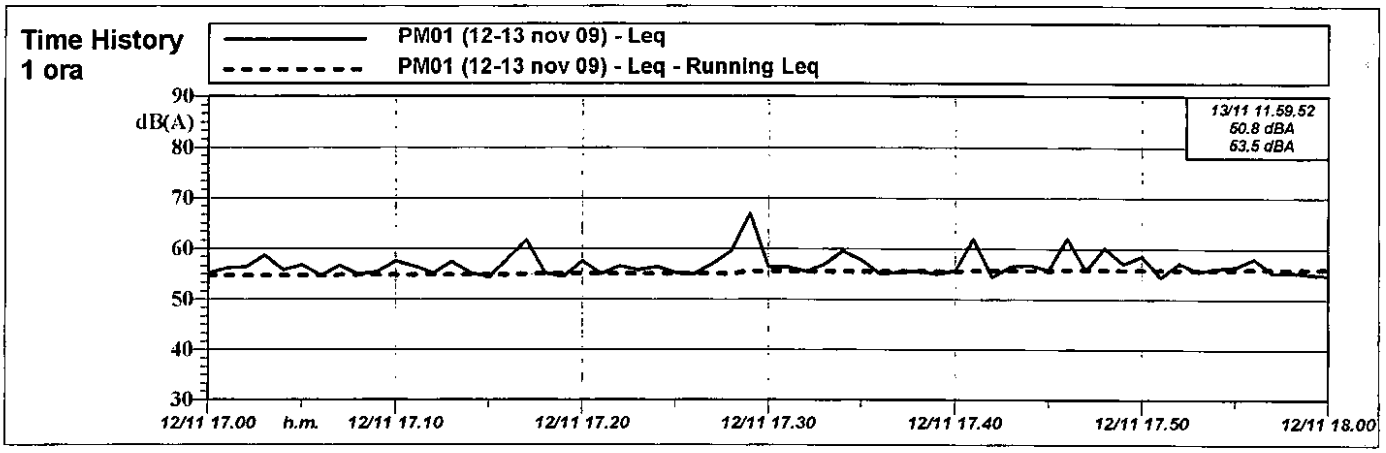

Time History
1 ora
1 - PM01 (11-12 nov 09) - Leq
2 - PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.55.02
1= 52.3 dBA
2= 56.6 dBA
12/11 12.00
h.m.
12/11 12.10
12/11 12.20
12/11 12.30
12/11 12.40
12/11 12.50
12/11 13.00

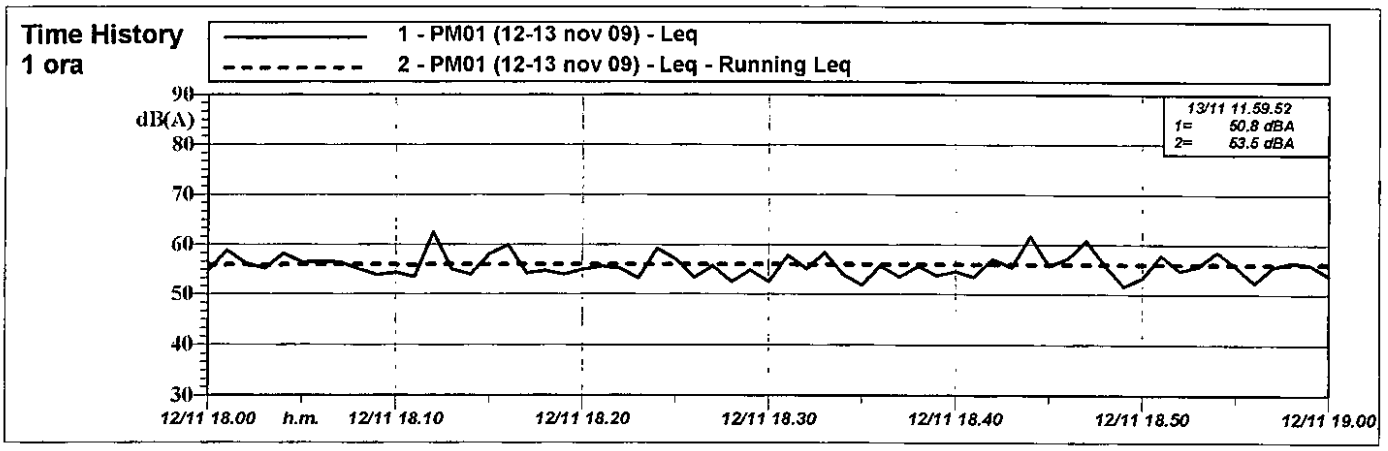

Time History
1 ora
PM01 (11-12 nov 09) - Leq
PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
53.6 dBA
56.7 dBA
12/11 13.00
h.m.
12/11 13.10
12/11 13.20
12/11 13.30
12/11 13.40
12/11 13.50
12/11 14.00

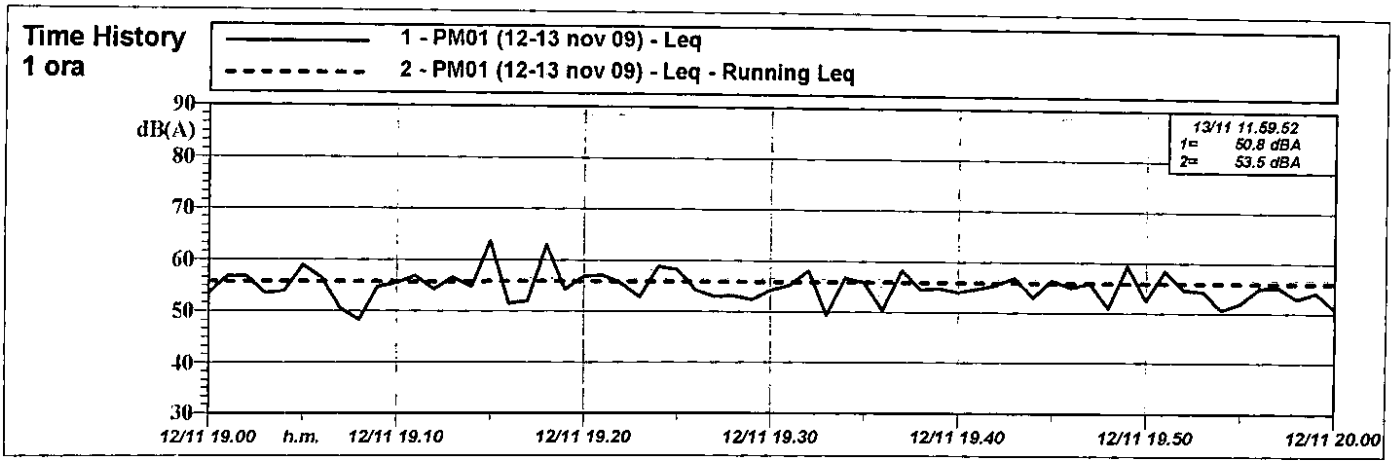

Time History
1 ora
1 - PM01 (11-12 nov 09) - Leq
2 - PM01 (11-12 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
12/11 12.00.02
1= 53.6 dBA
2= 56.7 dBA
12/11 14.00
h.m.
12/11 14.10
12/11 14.20
12/11 14.30
12/11 14.40
12/11 14.50
12/11 15.00

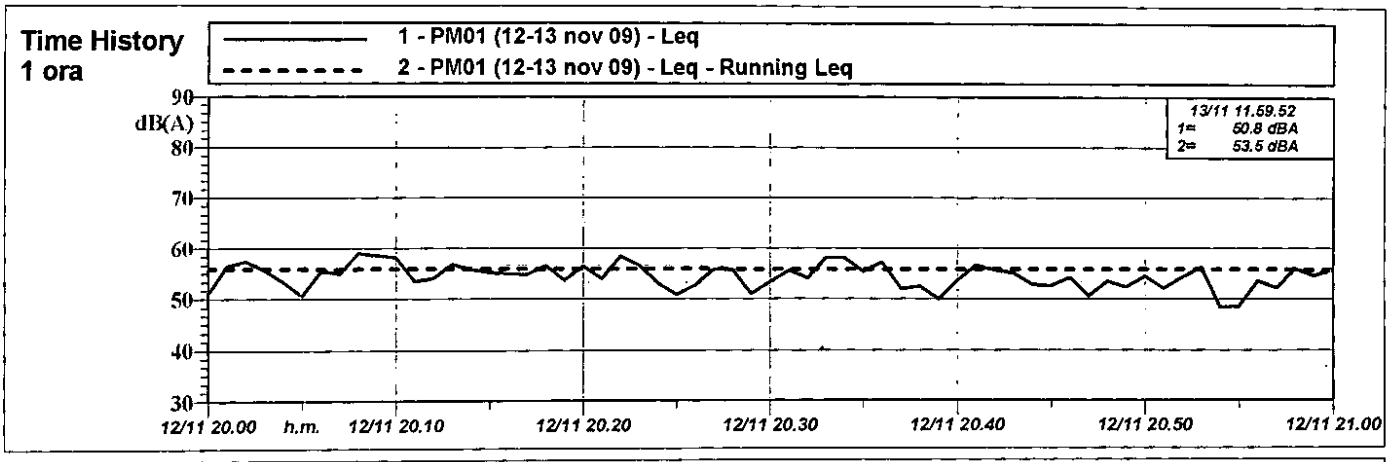

Time History
1 ora
1 - PM01 (12-13 nov 09) - Leq
2 - PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 11.59.52
1= 50.8 dBA
2= 53.5 dBA
12/11 15.00
h.m.
12/11 15.10
12/11 15.20
12/11 15.30
12/11 15.40
12/11 15.50
12/11 16.00

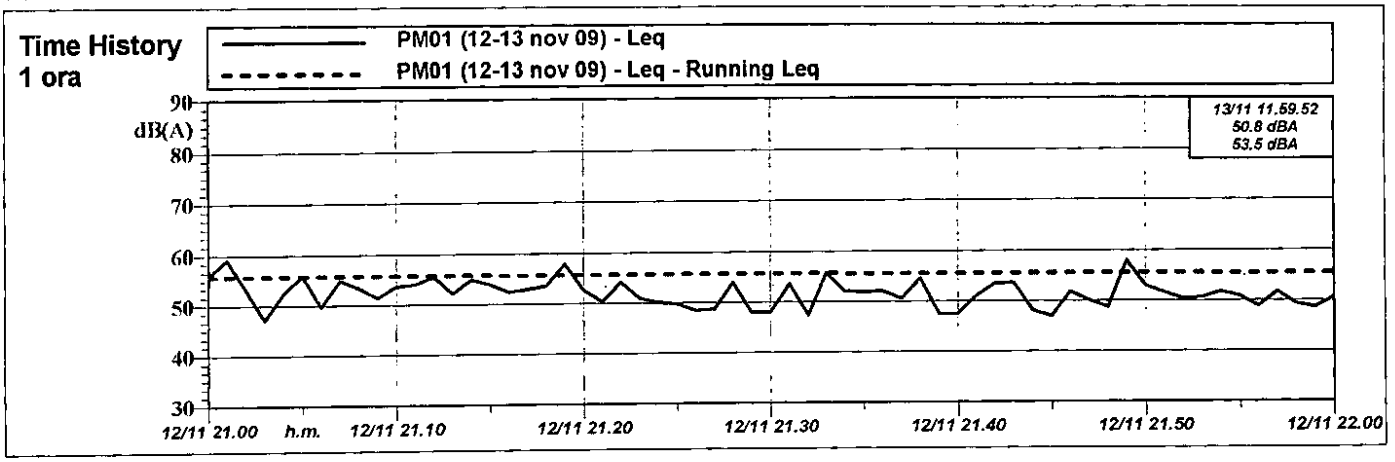

Time History
1 ora
1 - PM01 (12-13 nov 09) - Leq
2 - PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 11.59.52
1= 50.8 dBA
2= 53.5 dBA
12/11 16.00
h.m.
12/11 16.10
12/11 16.20
12/11 16.30
12/11 16.40
12/11 16.50
12/11 17.00

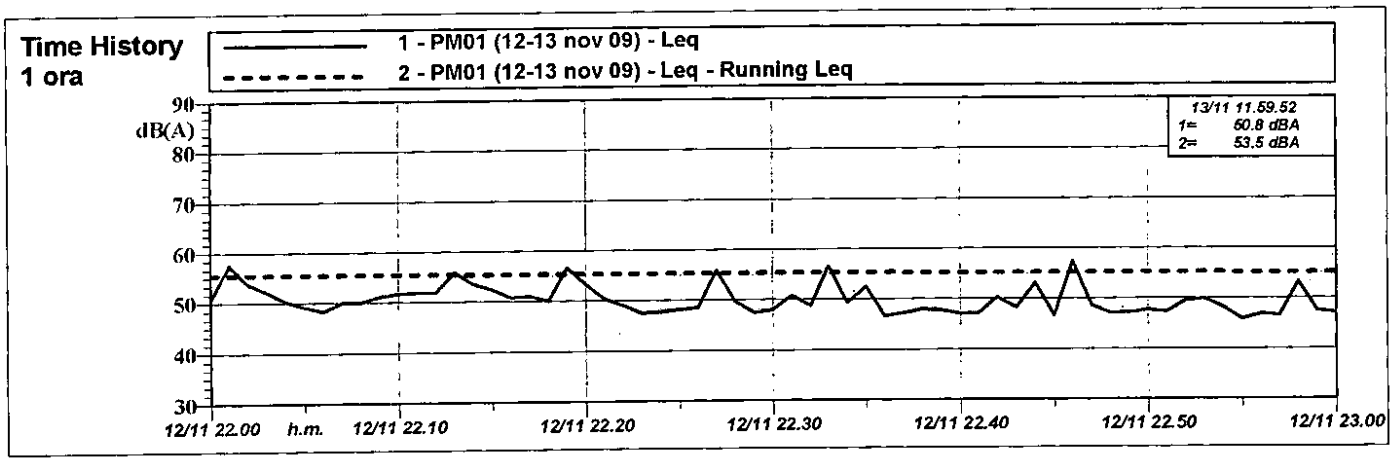

Time History
1 ora
PM01 (12-13 nov 09) - Leq
PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 11.59.52
50.8 dBA
53.5 dBA
12/11 17.00
h.m.
12/11 17.10
12/11 17.20
12/11 17.30
12/11 17.40
12/11 17.50
12/11 18.00

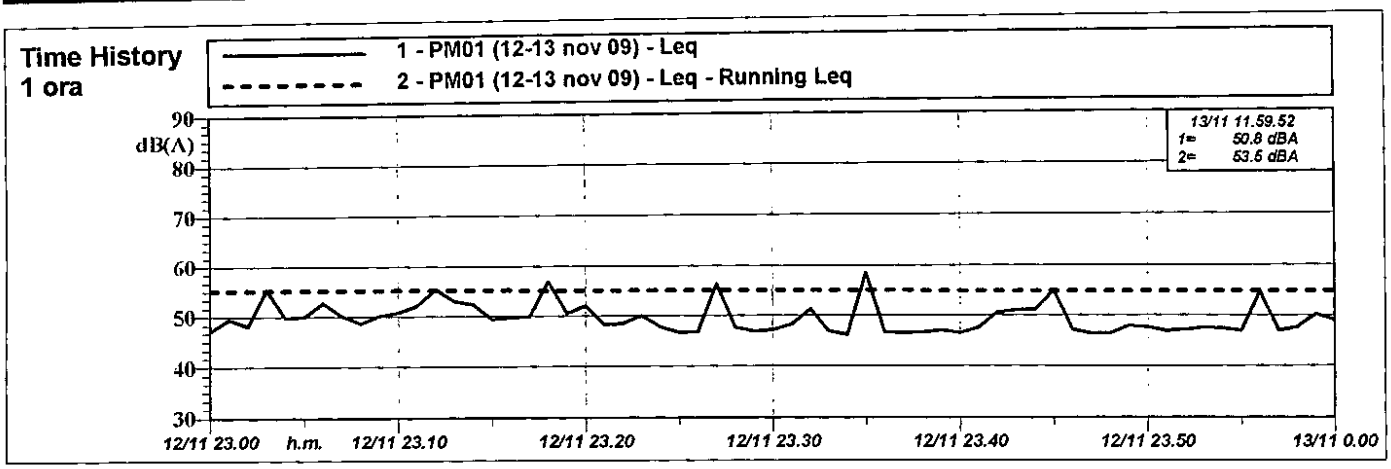

Time History
1 ora
1 - PM01 (12-13 nov 09) - Leq
2 - PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 11.59.52
1= 50.8 dBA
2= 53.5 dBA
12/11 18.00
h.m.
12/11 18.10
12/11 18.20
12/11 18.30
12/11 18.40
12/11 18.50
12/11 19.00


Time History
1 ora
1 - PM01 (12-13 nov 09) - Leq
2 - PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 11.59.52
1= 50.8 dBA
2= 53.5 dBA
12/11 19.00
h.m.
12/11 19.10
12/11 19.20
12/11 19.30
12/11 19.40
12/11 19.50
12/11 20.00


Time History
1 ora
1 - PM01 (12-13 nov 09) - Leq
2 - PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 11.59.52
1= 50.8 dBA
2= 53.5 dBA
12/11 20.00
h.m.
12/11 20.10
12/11 20.20
12/11 20.30
12/11 20.40
12/11 20.50
12/11 21.00


Time History
1 ora
PM01 (12-13 nov 09) - Leq
PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 11.59.52
50.8 dBA
53.5 dBA
12/11 21.00
h.m.
12/11 21.10
12/11 21.20
12/11 21.30
12/11 21.40
12/11 21.50
12/11 22.00


Time History
1 ora
1 - PM01 (12-13 nov 09) - Leq
2 - PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 11.59.52
1= 60.8 dBA
2= 53.5 dBA
12/11 22.00
h.m.
12/11 22.10
12/11 22.20
12/11 22.30
12/11 22.40
12/11 22.50
12/11 23.00


Time History
1 ora
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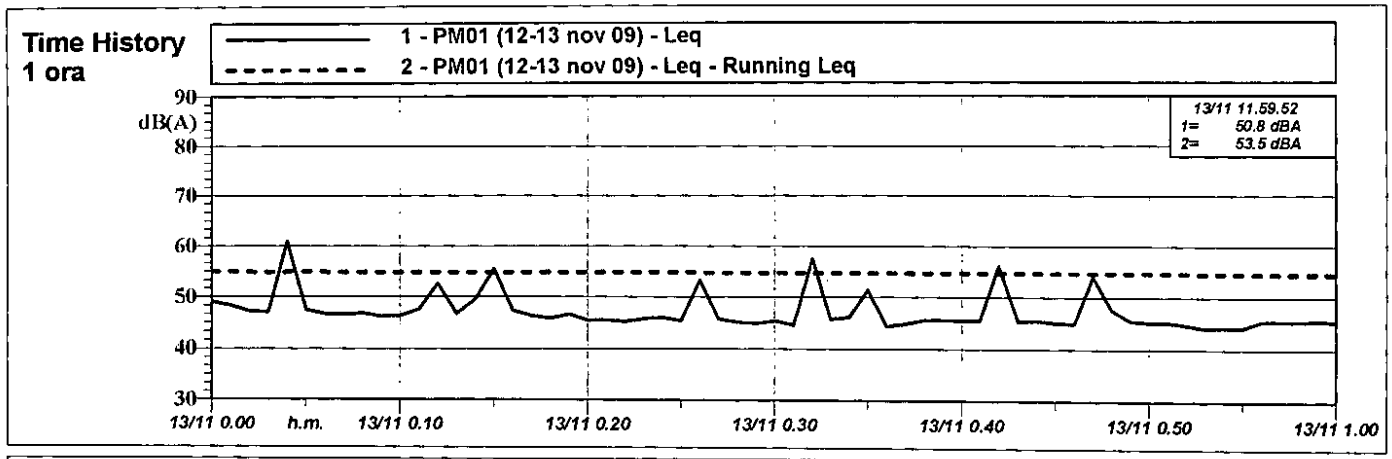
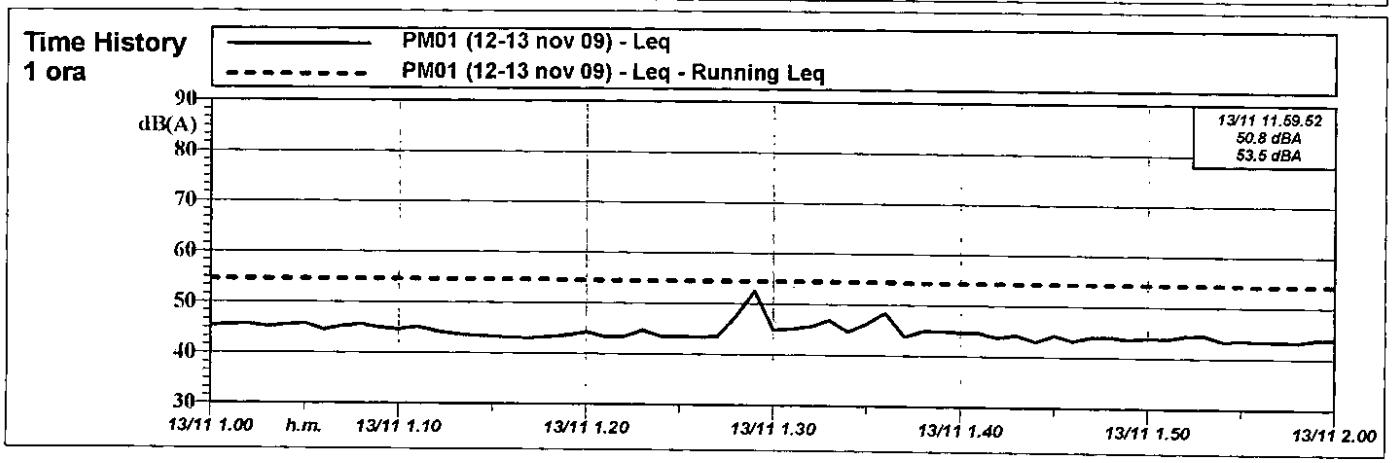
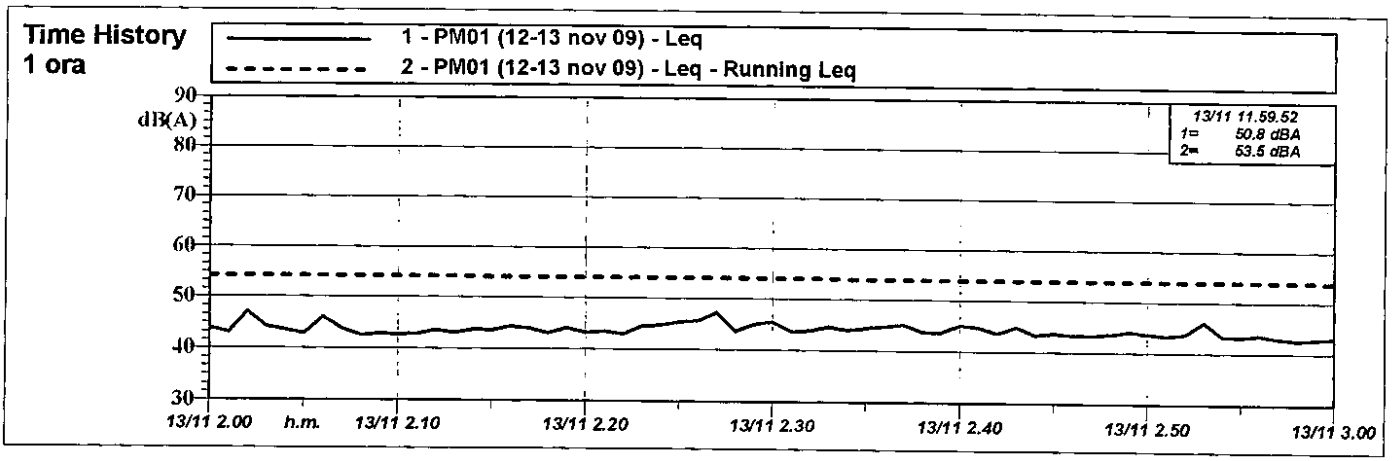
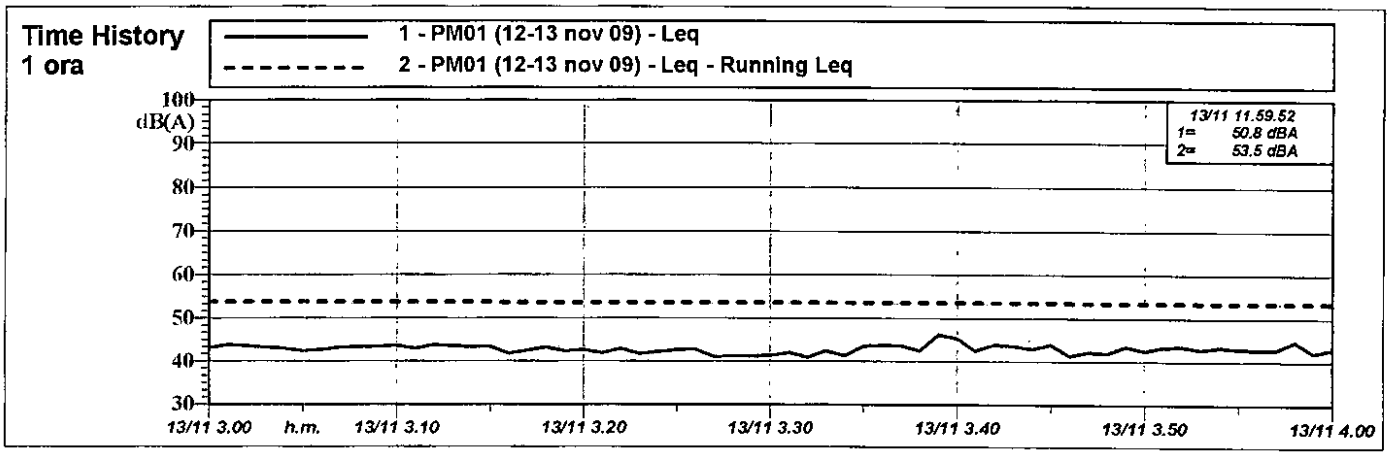
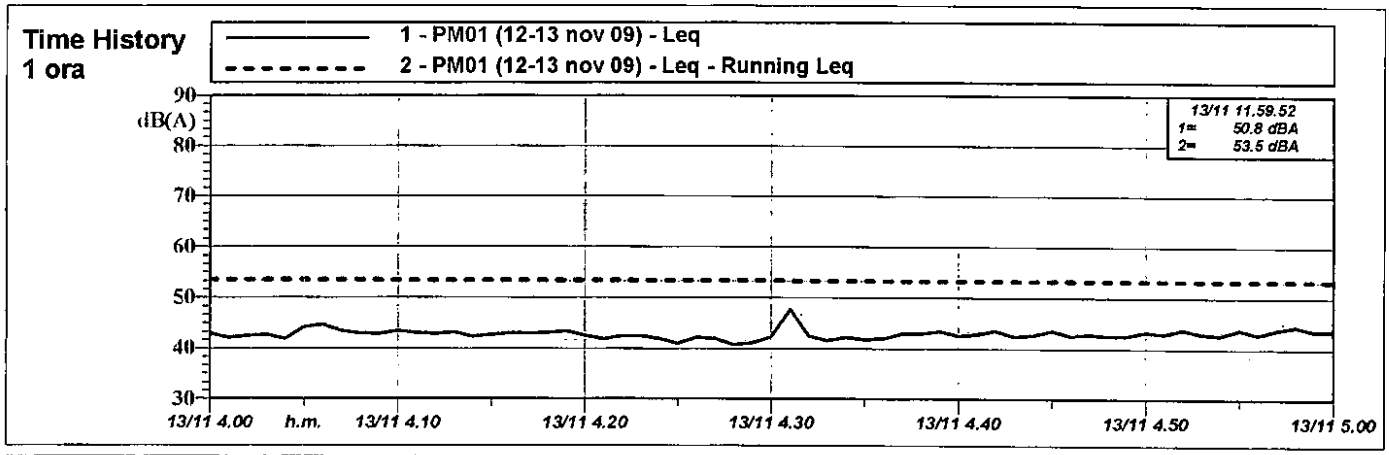
2 - PM01 (12-13 nov 09) - Leq - Running Leq
13/11 11.59.52
1= 50.8 dBA
2= 53.5 dBA
dB(A)
90
80
70
60
50
40
30
12/11 23.00
h.m.
12/11 23.10
12/11 23.20
12/11 23.30
12/11 23.40
12/11 23.50
13/11 0.00

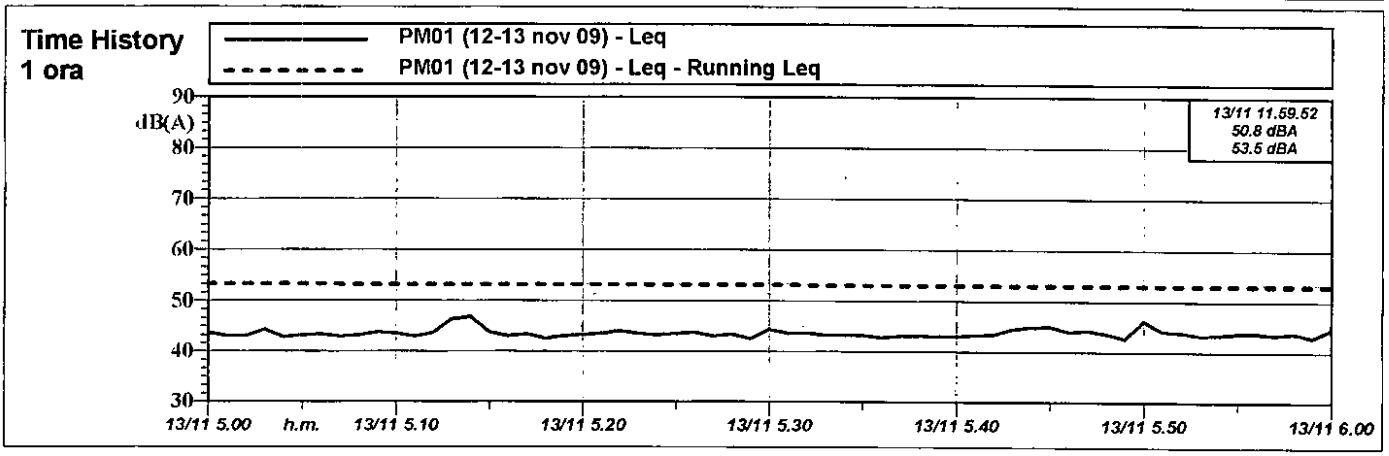

Time History
1 ora
1 - PM01 (12-13 nov 09) - Leq
2 - PM01 (12-13 nov 09) - Leq - Running Leq
13/11 11.59.52
1= 50.8 dBA
2= 53.5 dBA
dB(A)
90
80
70
60
50
40
30
13/11 0.00
h.m.
13/11 0.10
13/11 0.20
13/11 0.30
13/11 0.40
13/11 0.50
13/11 1.00

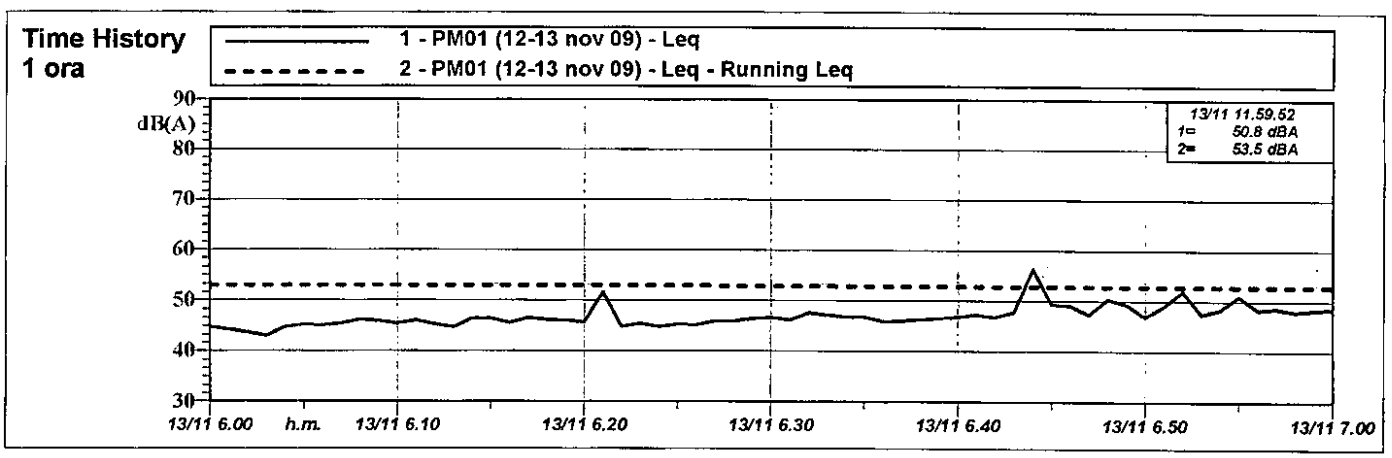

Time History
1 ora
PM01 (12-13 nov 09) - Leq
PM01 (12-13 nov 09) - Leq - Running Leq
13/11 11.59.52
50.8 dBA
53.5 dBA
dB(A)
90
80
70
60
50
40
30
13/11 1.00
h.m.
13/11 1.10
13/11 1.20
13/11 1.30
13/11 1.40
13/11 1.50
13/11 2.00


Time History
1 ora
1 - PM01 (12-13 nov 09) - Leq
2 - PM01 (12-13 nov 09) - Leq - Running Leq
13/11 11.59.52
1= 50.8 dBA
2= 53.5 dBA
dB(A)
90
80
70
60
50
40
30
13/11 2.00
h.m.
13/11 2.10
13/11 2.20
13/11 2.30
13/11 2.40
13/11 2.50
13/11 3.00


Time History
1 ora
1 - PM01 (12-13 nov 09) - Leq
2 - PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
100
90
80
70
60
50
40
30
13/11 11.59.52
1= 50.8 dBA
2= 53.5 dBA
13/11 3.00
h.m.
13/11 3.10
13/11 3.20
13/11 3.30
13/11 3.40
13/11 3.50
13/11 4.00


Time History
1 ora
1 - PM01 (12-13 nov 09) - Leq
2 - PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 11.59.52
1= 50.8 dBA
2= 53.5 dBA
13/11 4.00
h.m.
13/11 4.10
13/11 4.20
13/11 4.30
13/11 4.40
13/11 4.50
13/11 5.00

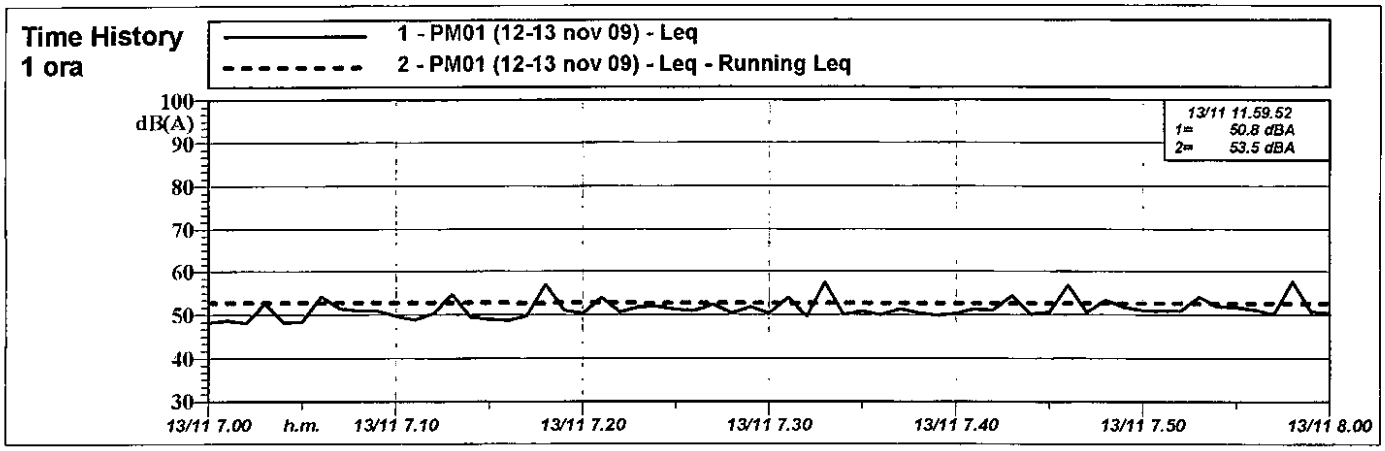

Time History
1 ora
PM01 (12-13 nov 09) - Leq
PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 11.59.52
50.8 dBA
53.5 dBA
13/11 5.00
h.m.
13/11 5.10
13/11 5.20
13/11 5.30
13/11 5.40
13/11 5.50
13/11 6.00

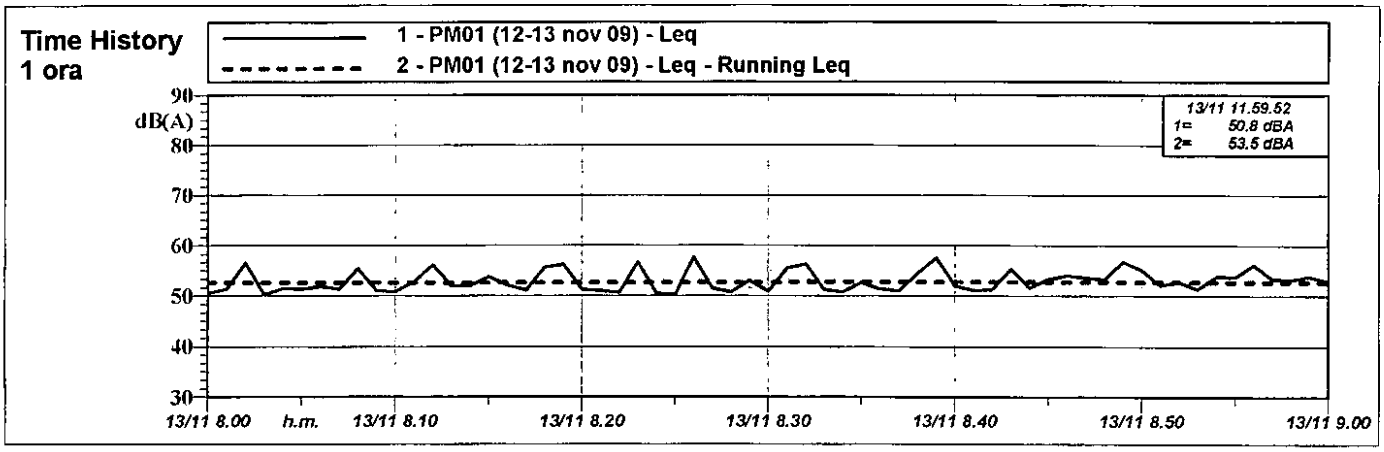

Time History
1 ora
1 - PM01 (12-13 nov 09) - Leq
2 - PM01 (12-13 nov 09) - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
13/11 11.59.52
1= 50.8 dBA
2= 53.5 dBA
13/11 6.00
h.m.
13/11 6.10
13/11 6.20
13/11 6.30
13/11 6.40
13/11 6.50
13/11 7.00

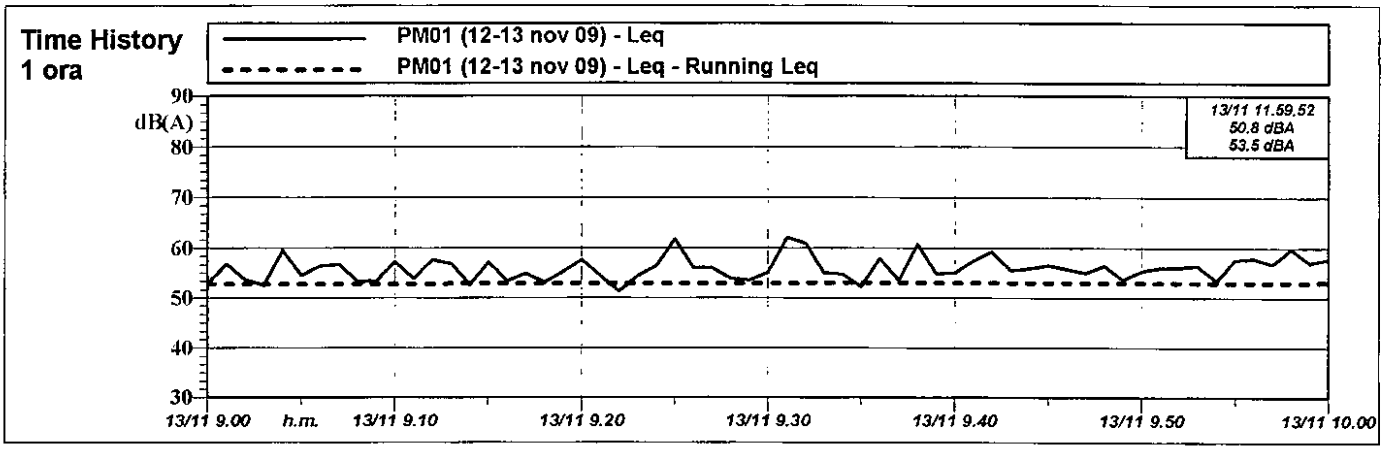
Progettazione Ambiente e Trasporti

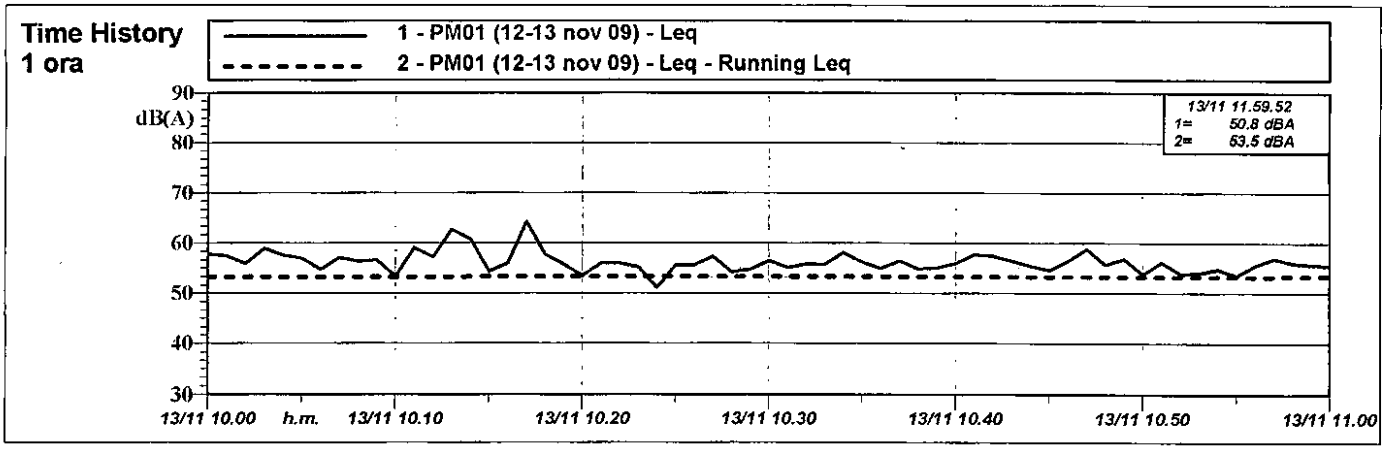
CARATTERIZZAZIONE ACUSTICA

Localizzazione punto di misura e sintesi del rilievo fonometrico

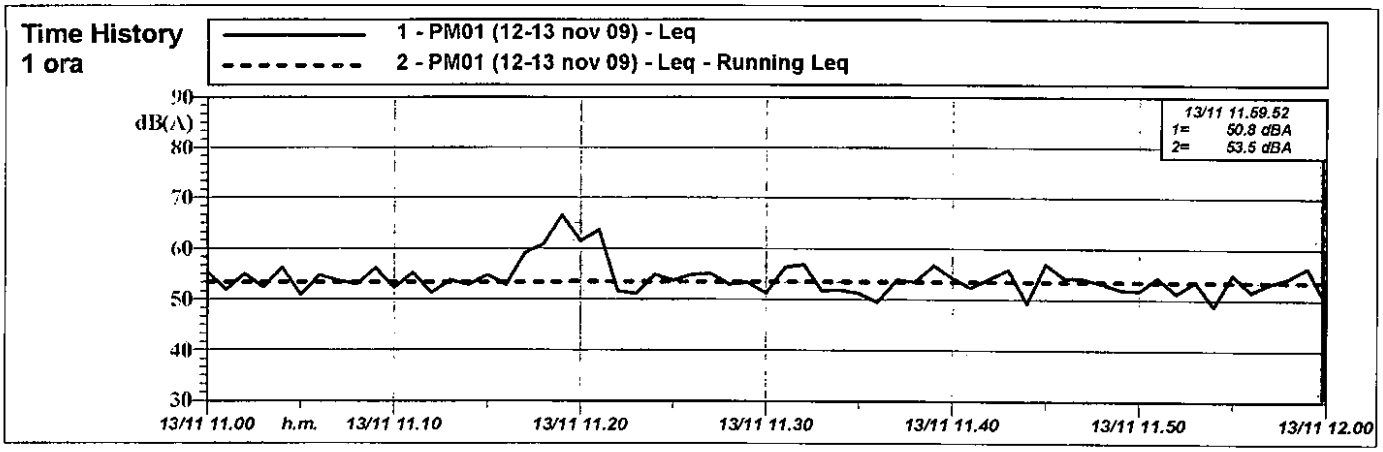






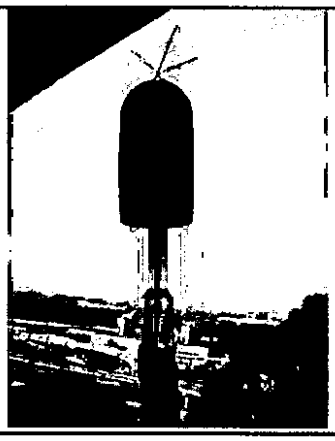


Progettazione Ambiente e Trasporti	CARATTERIZZAZIONE ACUSTICA
	Localizzazione punto di misura e sintesi del rilievo fonometrico



Progettazioni Ambiente e Trasporti	ACEA – IMPIANTO DI TOR DI VALLE Schede di rilevamento fonometrico

Tipo rilievo:	Monitoraggio acustico in ambiente esterno			**Punto di misura:**	**PM02**
Regione:	Lazio	**Provincia:**	Roma	**Comune:**	Roma
Localizzazione:	Via Fiume Giallo, 113 (Quartiere Torrino)			**Zonizzazione:**	
Descrizione:	Il punto di misura è situato al 3° piano del fabbricato e alla distanza pari a circa 320 m dall'impianto ACEA.				
Data inizio misura:	16/12/09	**Data fine misura:**	17/12/09	**Tecnico competente:**	Ing. Tiziana Bastianello Regione Lazio n. 270
Ora inizio misura:	13:00:00	**Ora fine misura:**	13:00:00		



SINTESI ELABORAZIONE ACUSTICA

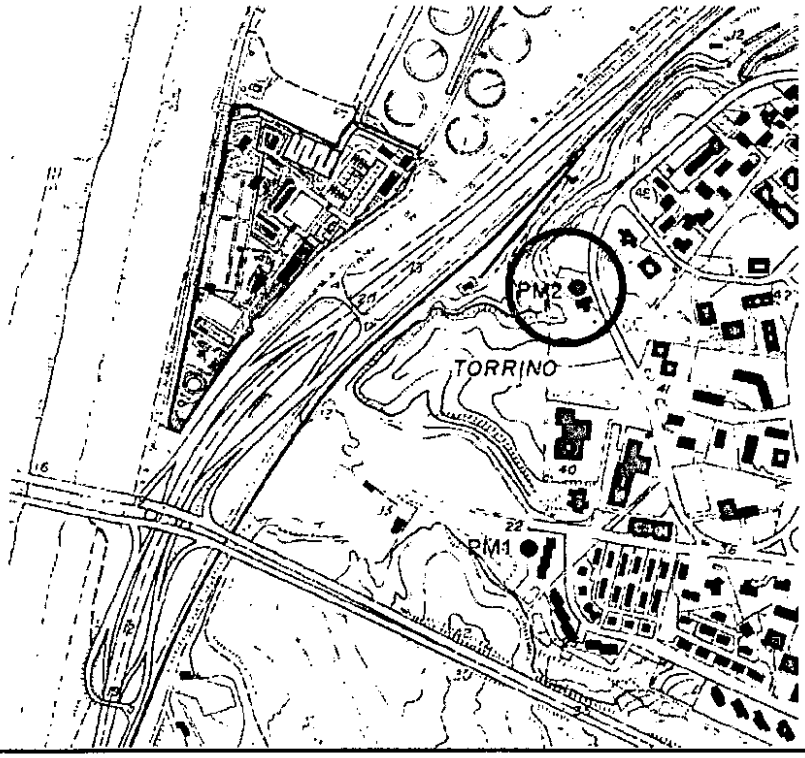
	Media impianto acceso		Media impianto spento	
	giorno	notte	giorno	notte
L_{Aeq}	59,6	54,7	-	-
L_{99}	52,0	50,1	-	-

SINTESI PARAMETRI METEO

	Min	Max
Temperatura [°C]	1	11
Umidità [%]	40	80
Vento V [m/s]/ dir. [°]	< 1,5 / variabile	
Pioggia [mm]	Assente	

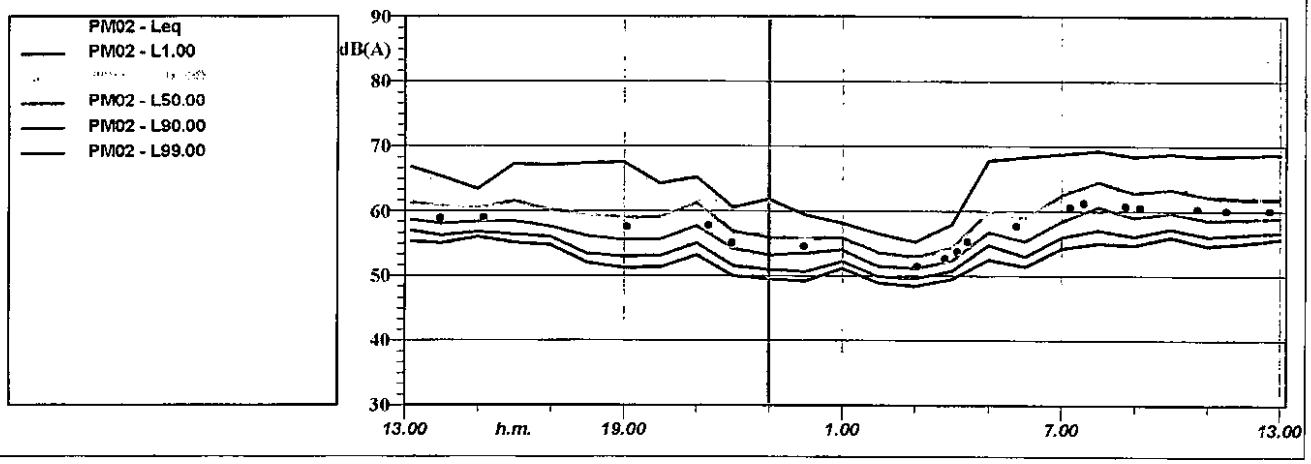
NOTE: Il clima acustico è caratterizzato da un rumore continuo di sottofondo della centrale. Ulteriori sorgenti sono il GRA (570 m) e la linea ferroviaria e la adiacente via del Mare (160 m)
La TurboGas2 è rimasta accesa durante tutto il periodo di misura.

UBICAZIONE PUNTO DI MISURA



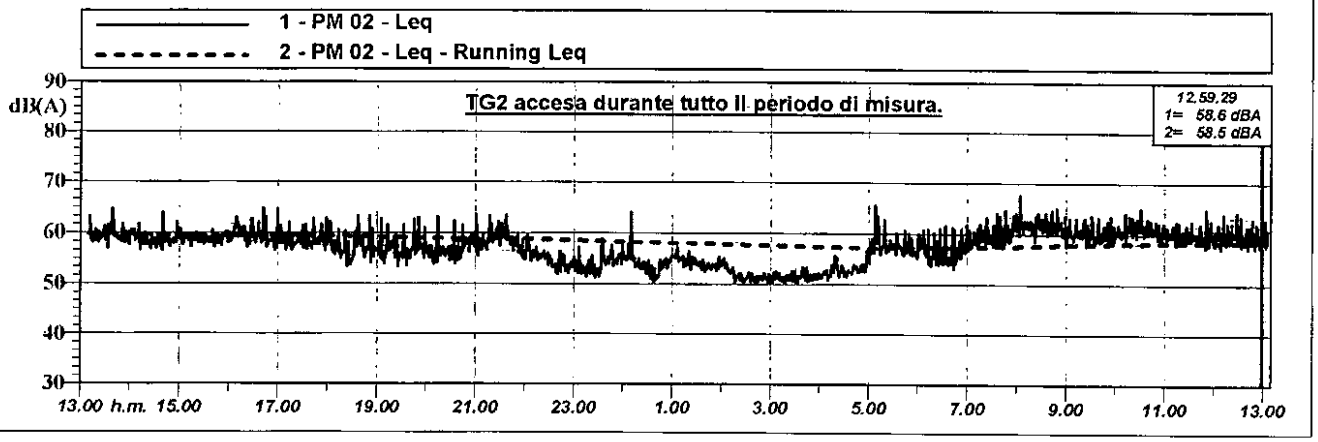
Stralcio planimetrico

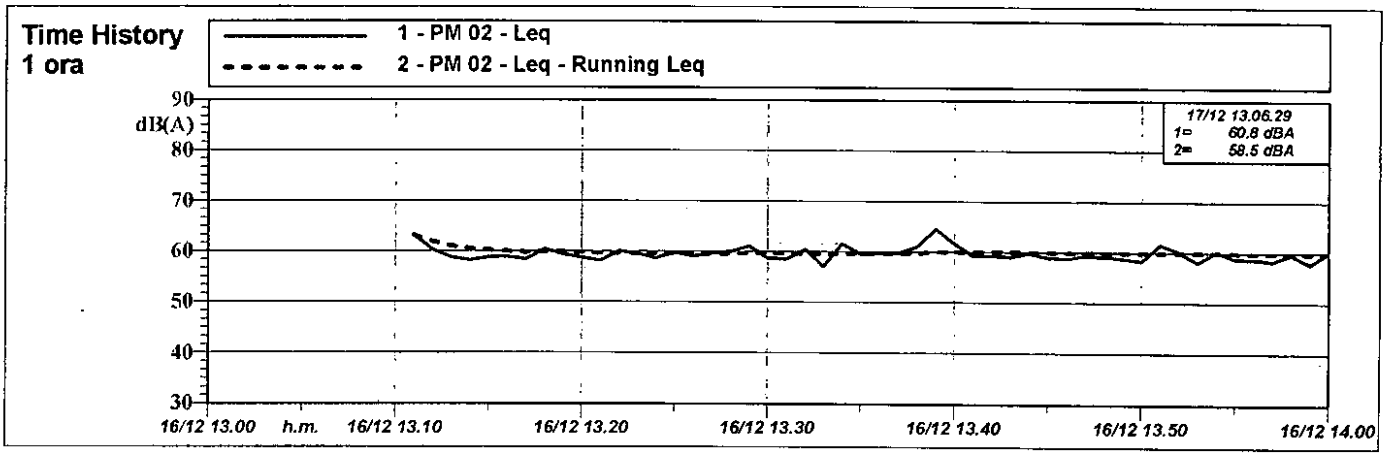
Intervalli orari - Leq e dei Livelli percentili

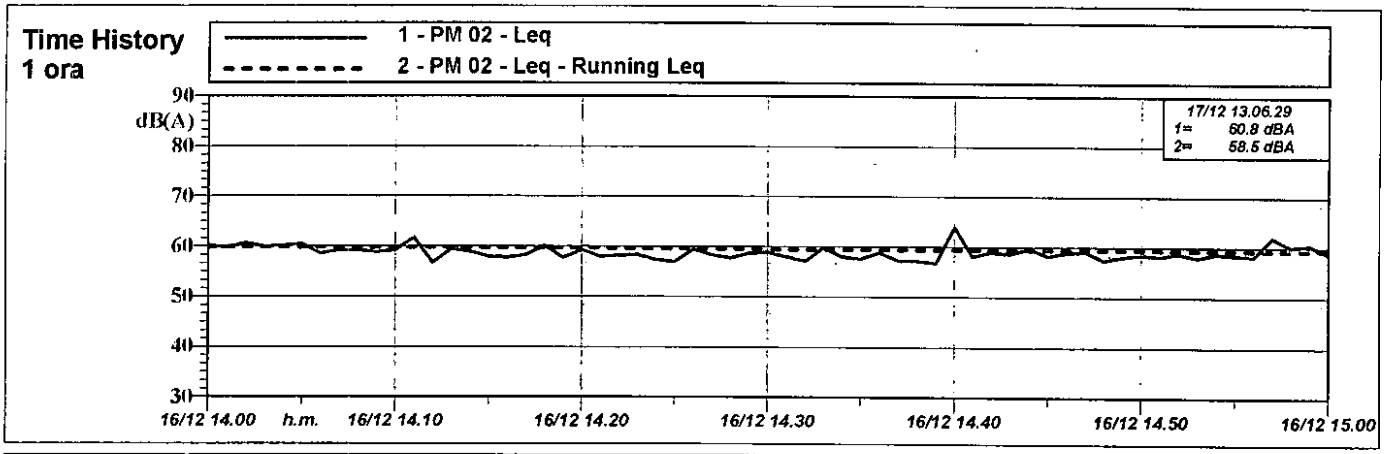


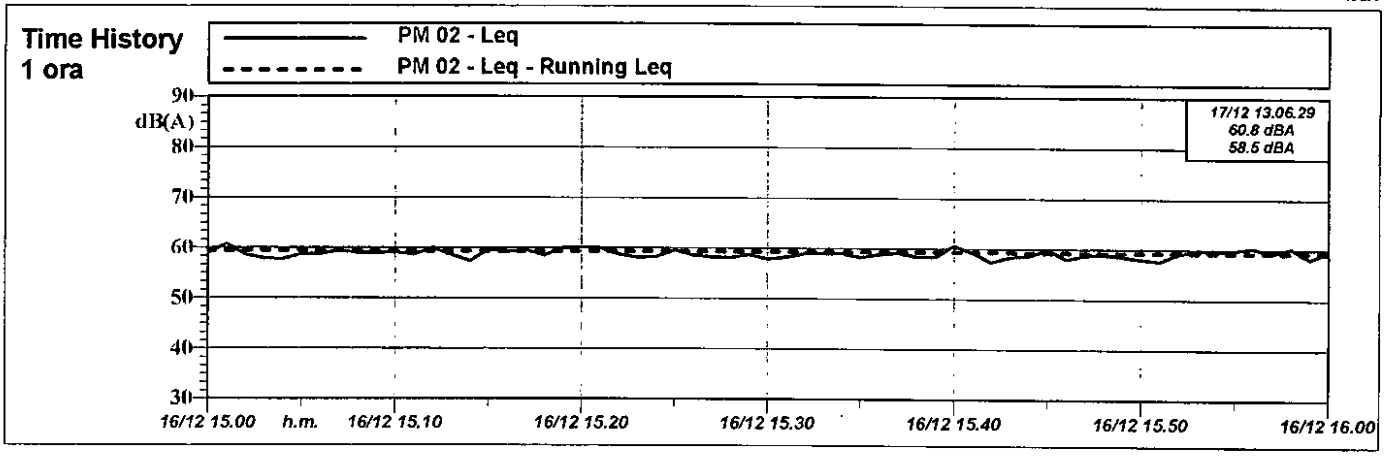
	LEQ	L1	L10	L50	L90	L99
13.10.29	59.8 dBA	66.8 dBA	61.3 dBA	58.7 dBA	57.0 dBA	55.4 dBA
14.00.00	59.0 dBA	65.4 dBA	60.8 dBA	58.1 dBA	56.2 dBA	55.1 dBA
15.00.00	58.9 dBA	63.4 dBA	60.5 dBA	58.3 dBA	56.9 dBA	56.0 dBA
16.00.00	60.1 dBA	67.4 dBA	61.6 dBA	58.5 dBA	56.4 dBA	55.2 dBA
17.00.00	58.8 dBA	67.1 dBA	60.2 dBA	57.6 dBA	56.0 dBA	54.8 dBA
18.00.00	57.9 dBA	67.4 dBA	59.6 dBA	56.2 dBA	53.5 dBA	52.0 dBA
19.00.00	57.6 dBA	67.6 dBA	59.1 dBA	55.5 dBA	53.0 dBA	51.3 dBA
20.00.00	57.2 dBA	64.3 dBA	59.2 dBA	55.7 dBA	53.2 dBA	51.4 dBA
21.00.00	59.1 dBA	65.3 dBA	61.3 dBA	57.7 dBA	55.1 dBA	53.3 dBA
22.00.00	55.0 dBA	60.6 dBA	56.9 dBA	54.2 dBA	51.6 dBA	50.0 dBA
23.00.00	54.4 dBA	61.9 dBA	56.0 dBA	53.2 dBA	51.0 dBA	49.5 dBA
0.00.00	54.6 dBA	59.4 dBA	55.9 dBA	53.5 dBA	50.7 dBA	49.2 dBA
1.00.00	54.4 dBA	58.1 dBA	56.0 dBA	54.0 dBA	52.3 dBA	51.2 dBA
2.00.00	51.9 dBA	56.5 dBA	53.6 dBA	51.5 dBA	50.0 dBA	49.0 dBA
3.00.00	51.5 dBA	55.2 dBA	52.9 dBA	51.2 dBA	49.7 dBA	48.5 dBA
4.00.00	53.0 dBA	58.0 dBA	54.4 dBA	52.4 dBA	50.8 dBA	49.6 dBA
5.00.00	58.5 dBA	67.8 dBA	60.0 dBA	56.7 dBA	54.7 dBA	52.6 dBA
6.00.00	57.5 dBA	68.4 dBA	59.0 dBA	55.4 dBA	53.1 dBA	51.5 dBA
7.00.00	60.3 dBA	68.9 dBA	62.6 dBA	58.5 dBA	56.0 dBA	54.3 dBA
8.00.00	62.0 dBA	69.4 dBA	64.6 dBA	60.7 dBA	57.1 dBA	55.1 dBA
9.00.00	60.5 dBA	68.5 dBA	62.8 dBA	59.1 dBA	56.2 dBA	54.8 dBA
10.00.00	61.1 dBA	68.9 dBA	63.4 dBA	59.8 dBA	57.3 dBA	56.0 dBA
11.00.00	60.1 dBA	68.5 dBA	62.2 dBA	58.6 dBA	56.2 dBA	54.7 dBA
12.00.00	60.1 dBA	68.7 dBA	62.0 dBA	58.7 dBA	56.4 dBA	55.1 dBA

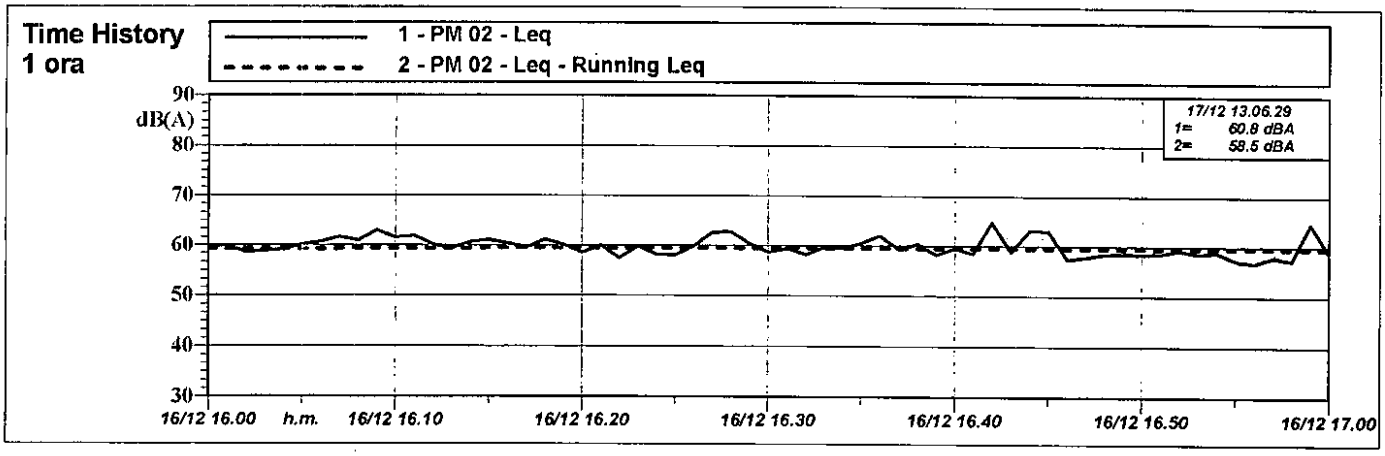
Time History - Periodo misura

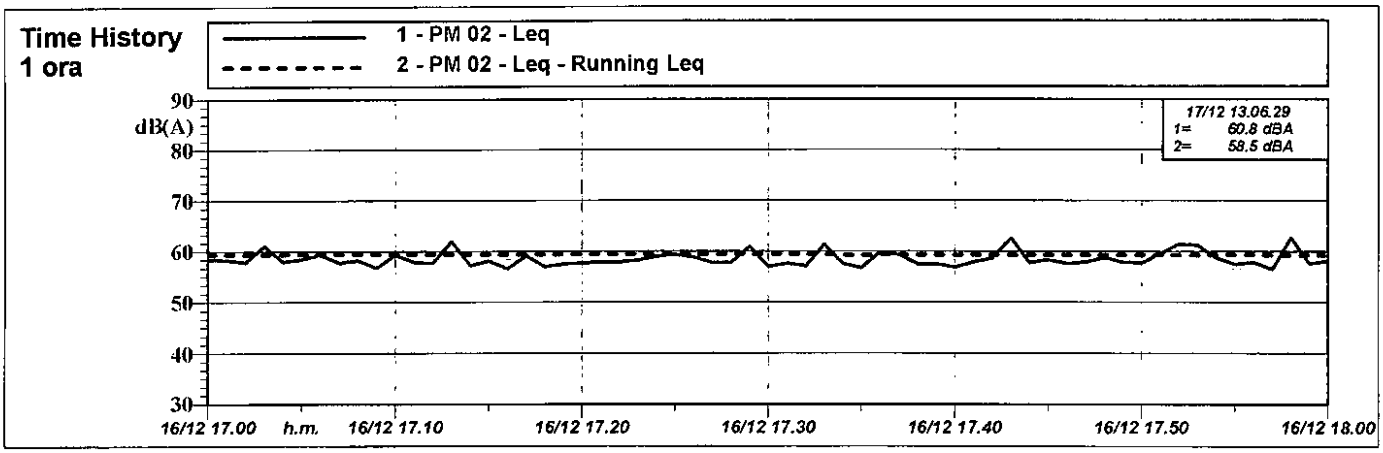


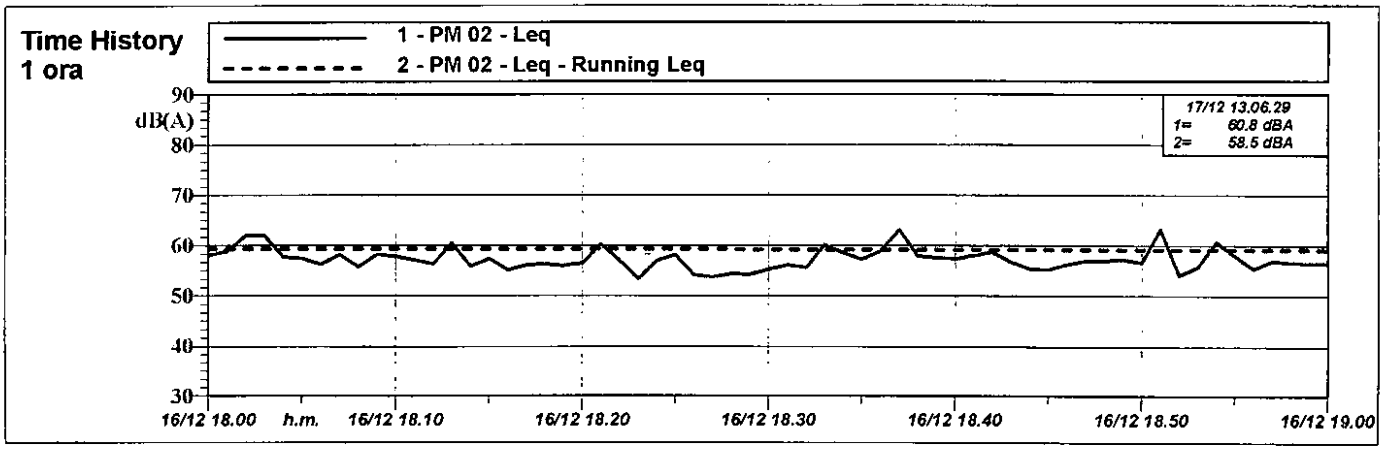

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
17/12 13.06.29
1= 60.8 dBA
2= 58.5 dBA
16/12 13.00
h.m.
16/12 13.10
16/12 13.20
16/12 13.30
16/12 13.40
16/12 13.50
16/12 14.00

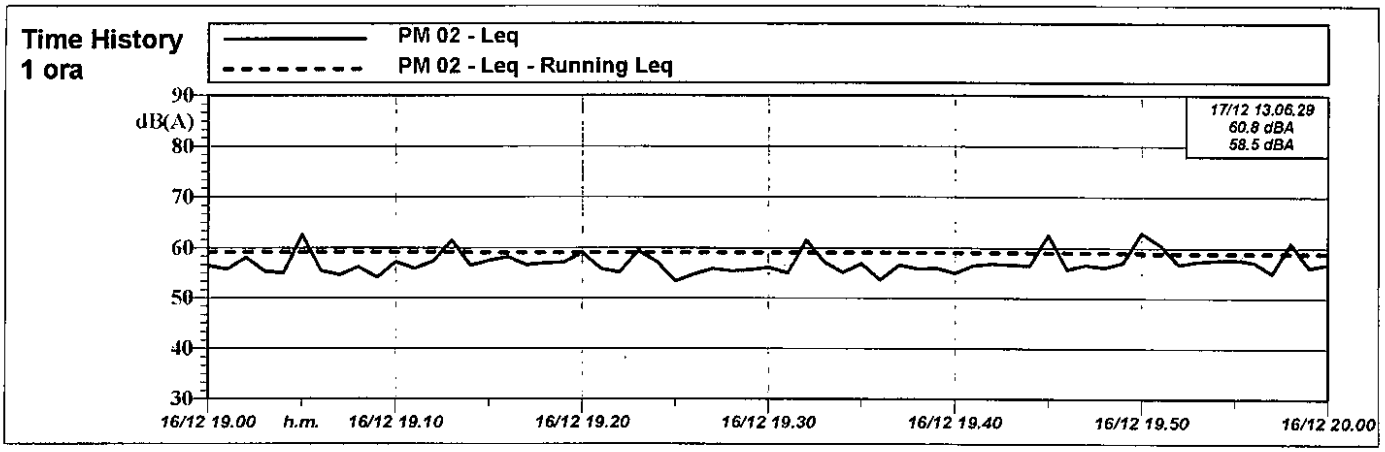

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
17/12 13.06.29
1= 60.8 dBA
2= 58.5 dBA
16/12 14.00
h.m.
16/12 14.10
16/12 14.20
16/12 14.30
16/12 14.40
16/12 14.50
16/12 15.00

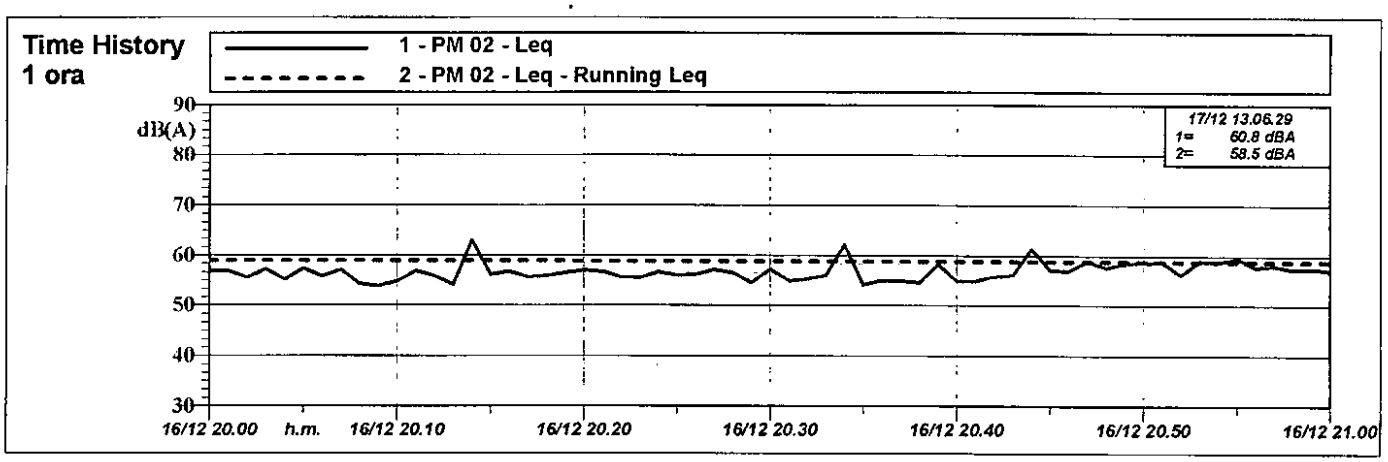

Time History
1 ora
PM 02 - Leq
PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
17/12 13.06.29
60.8 dBA
58.5 dBA
16/12 15.00
h.m.
16/12 15.10
16/12 15.20
16/12 15.30
16/12 15.40
16/12 15.50
16/12 16.00

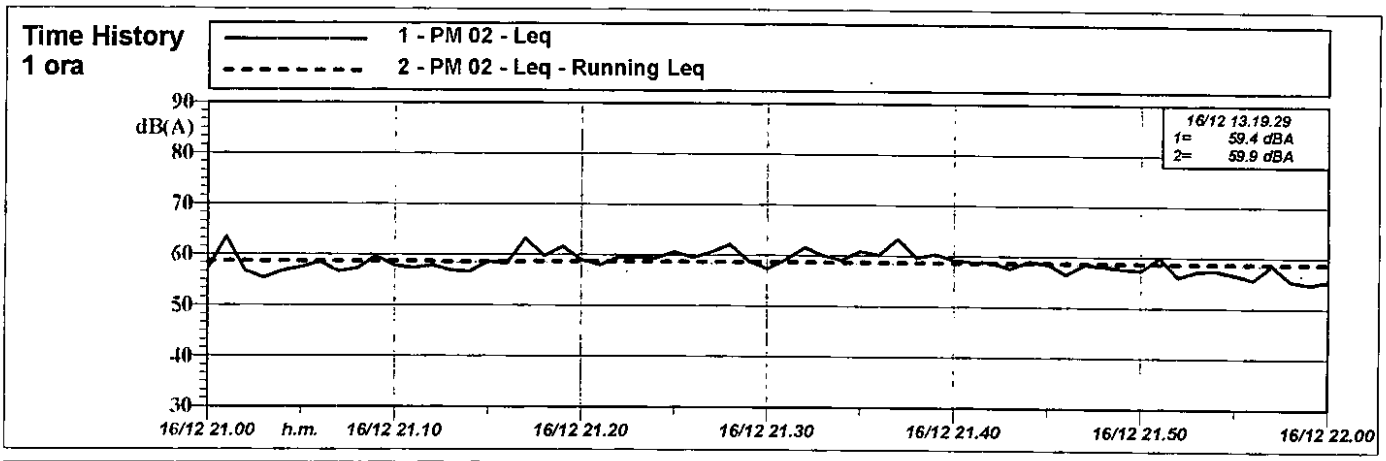

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
17/12 13.06.29
1= 60.8 dBA
2= 58.5 dBA
16/12 16.00
h.m.
16/12 16.10
16/12 16.20
16/12 16.30
16/12 16.40
16/12 16.50
16/12 17.00

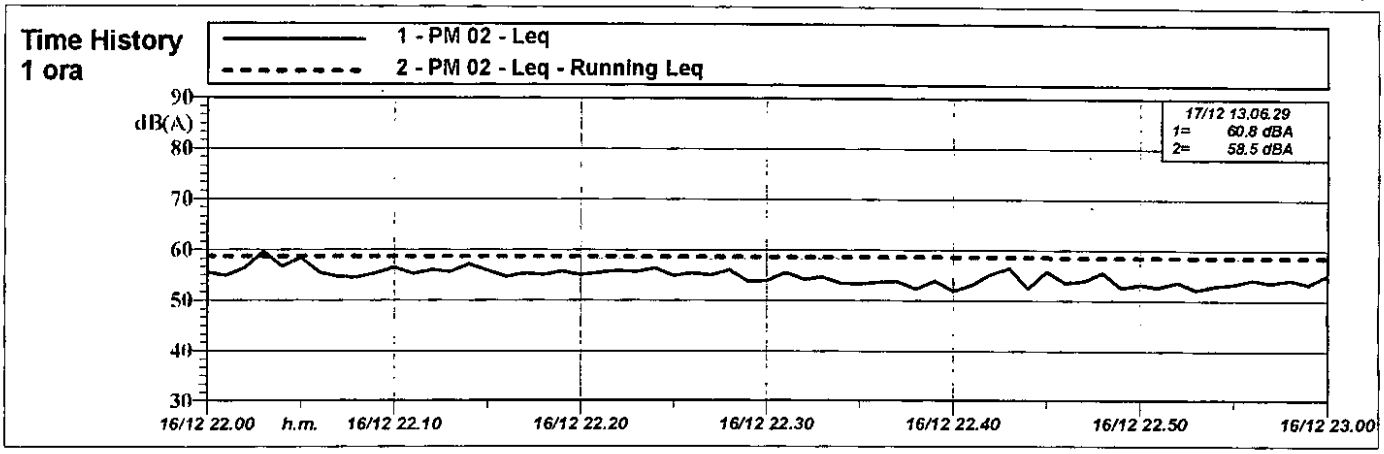

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
17/12 13.06.29
1= 60.8 dBA
2= 58.5 dBA
16/12 17.00
h.m.
16/12 17.10
16/12 17.20
16/12 17.30
16/12 17.40
16/12 17.50
16/12 18.00

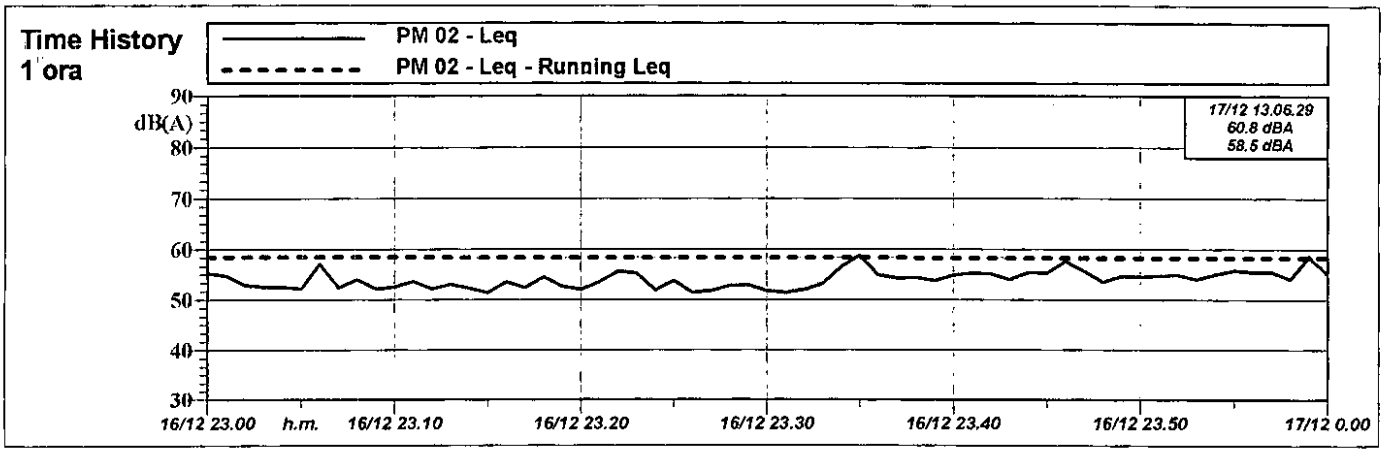

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
17/12 13.06.29
1= 60.8 dBA
2= 58.5 dBA
16/12 18.00
h.m.
16/12 18.10
16/12 18.20
16/12 18.30
16/12 18.40
16/12 18.50
16/12 19.00

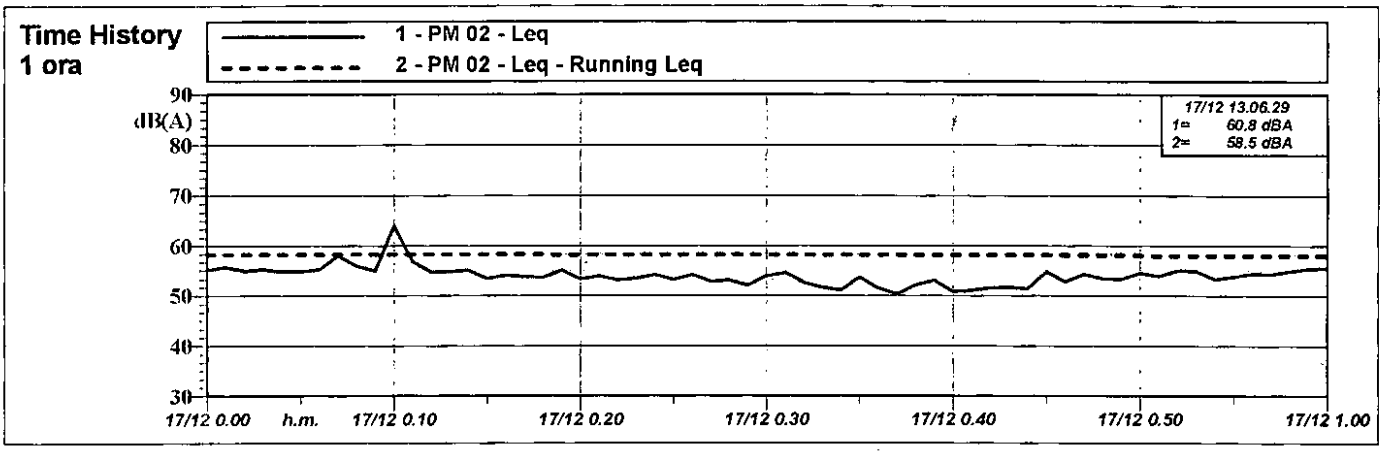

Time History
1 ora
PM 02 - Leq
PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
17/12 13.06.29
60.8 dBA
58.5 dBA
16/12 19.00
h.m.
16/12 19.10
16/12 19.20
16/12 19.30
16/12 19.40
16/12 19.50
16/12 20.00

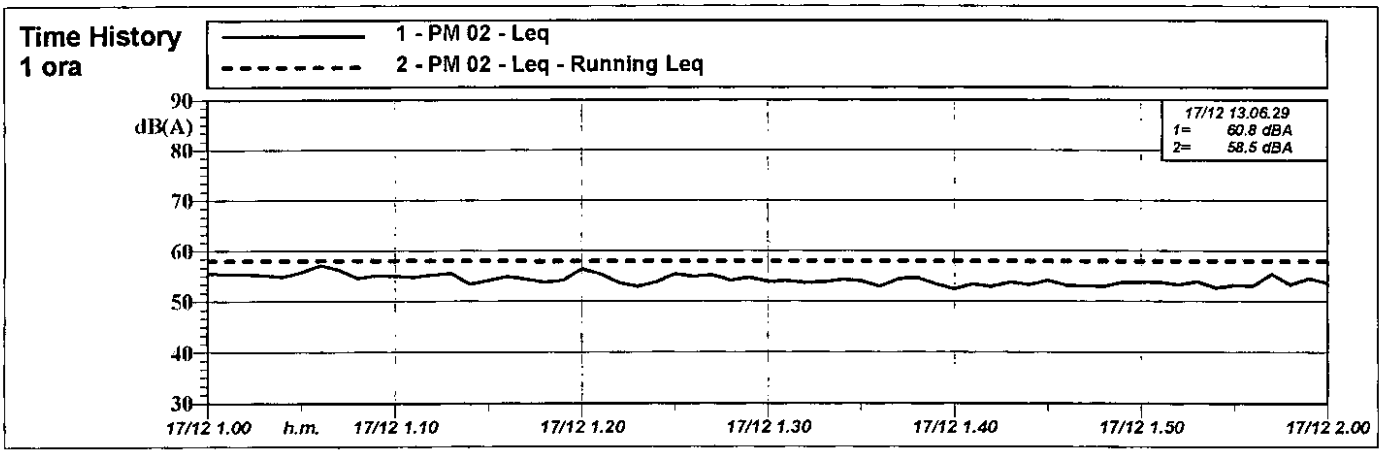

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
17/12 13.06.29
1= 60.8 dBA
2= 58.5 dBA
16/12 20.00
h.m.
16/12 20.10
16/12 20.20
16/12 20.30
16/12 20.40
16/12 20.50
16/12 21.00

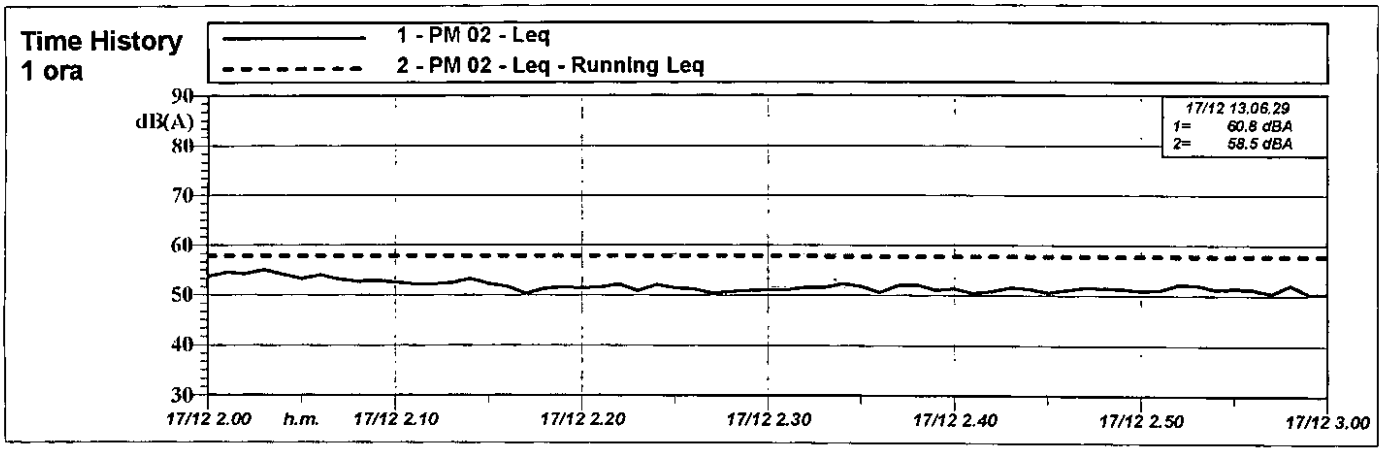

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
16/12 13.19.29
1= 59.4 dBA
2= 59.9 dBA
16/12 21.00
h.m.
16/12 21.10
16/12 21.20
16/12 21.30
16/12 21.40
16/12 21.50
16/12 22.00

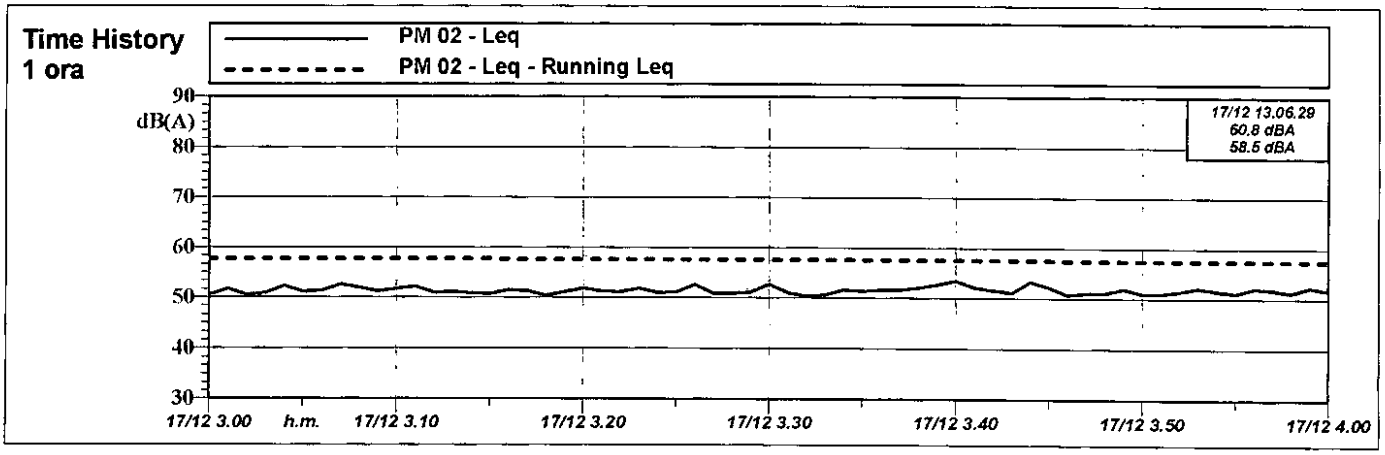

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
17/12 13.06.29
1= 60.8 dBA
2= 58.5 dBA
16/12 22.00
h.m.
16/12 22.10
16/12 22.20
16/12 22.30
16/12 22.40
16/12 22.50
16/12 23.00

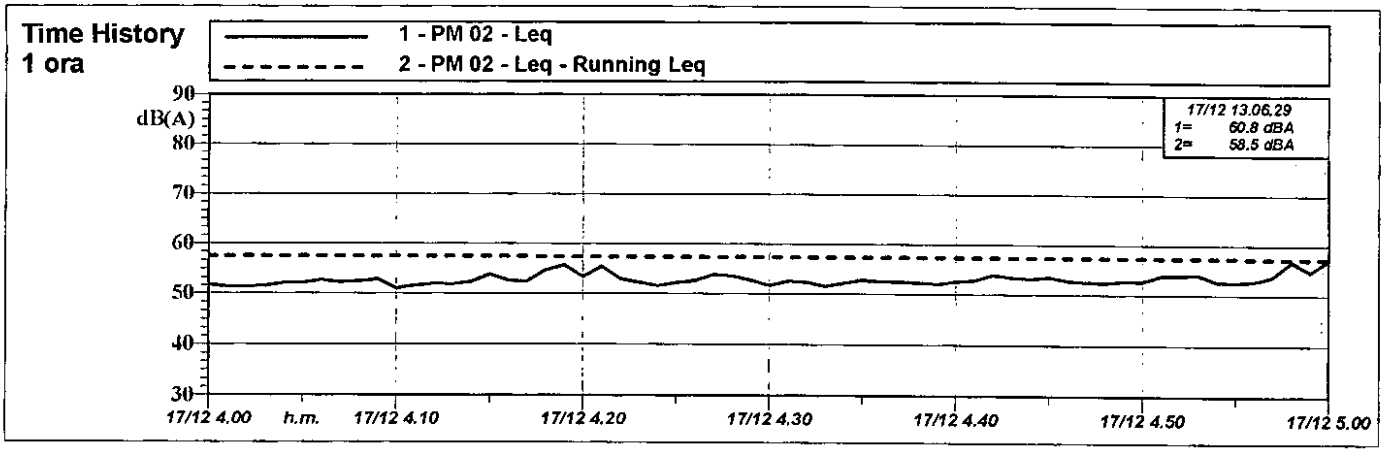

Time History
1 ora
PM 02 - Leq
PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
17/12 13.06.29
60.8 dBA
58.5 dBA
16/12 23.00
h.m.
16/12 23.10
16/12 23.20
16/12 23.30
16/12 23.40
16/12 23.50
17/12 0.00


Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
17/12 13.06.29
1= 60.8 dBA
2= 58.5 dBA
17/12 0.00
h.m.
17/12 0.10
17/12 0.20
17/12 0.30
17/12 0.40
17/12 0.50
17/12 1.00


Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
17/12 13.06.29
1= 60.8 dBA
2= 58.5 dBA
17/12 1.00
h.m.
17/12 1.10
17/12 1.20
17/12 1.30
17/12 1.40
17/12 1.50
17/12 2.00


Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
17/12 13.06.29
1= 60.8 dBA
2= 58.5 dBA
17/12 2.00
h.m.
17/12 2.10
17/12 2.20
17/12 2.30
17/12 2.40
17/12 2.50
17/12 3.00

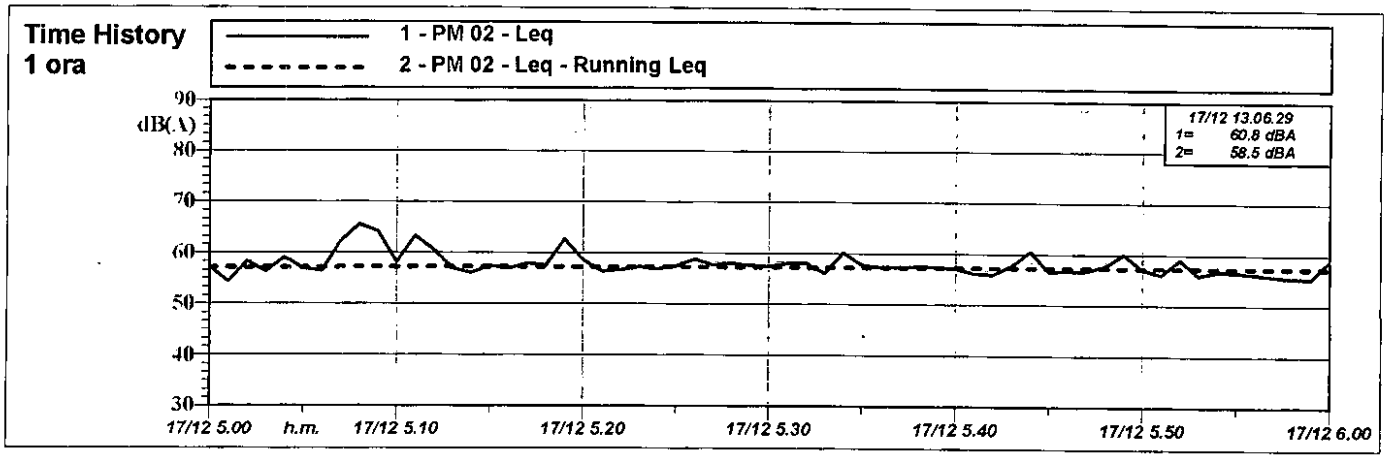

Time History
1 ora
PM 02 - Leq
PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
17/12 13.06.29
60.8 dBA
58.5 dBA
17/12 3.00
h.m.
17/12 3.10
17/12 3.20
17/12 3.30
17/12 3.40
17/12 3.50
17/12 4.00

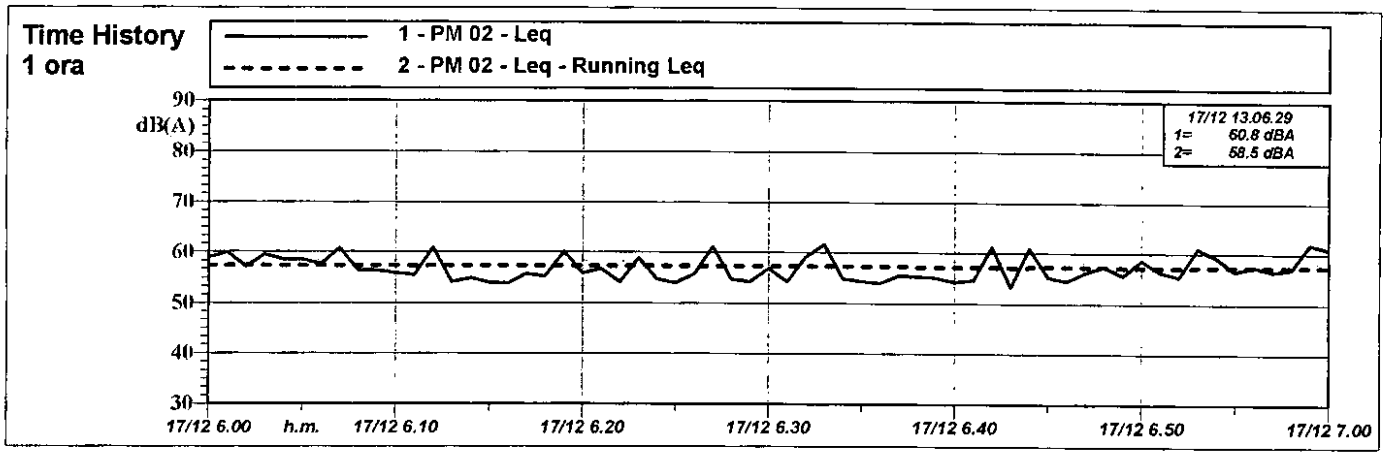

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
17/12 13.06.29
1= 60.8 dBA
2= 58.5 dBA
17/12 4.00
h.m.
17/12 4.10
17/12 4.20
17/12 4.30
17/12 4.40
17/12 4.50
17/12 5.00

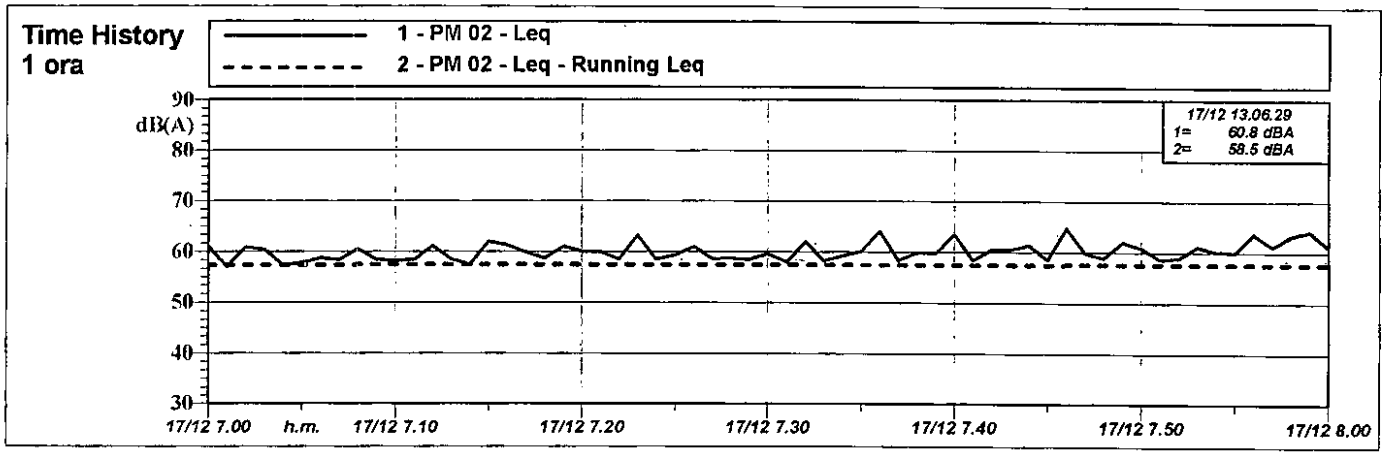
Progettazione Ambiente e Trasporti

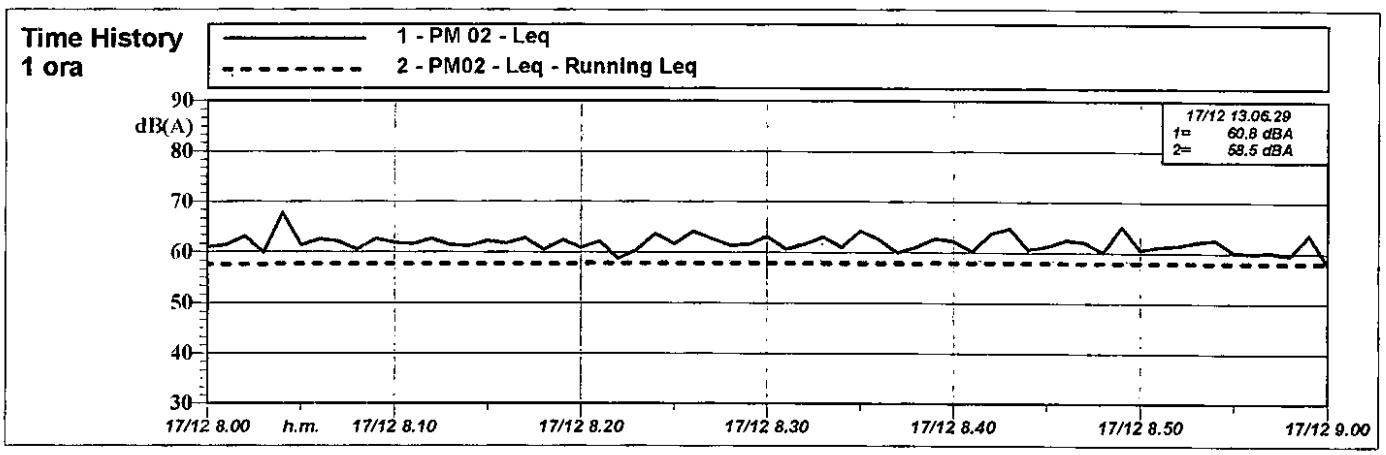
CARATTERIZZAZIONE ACUSTICA

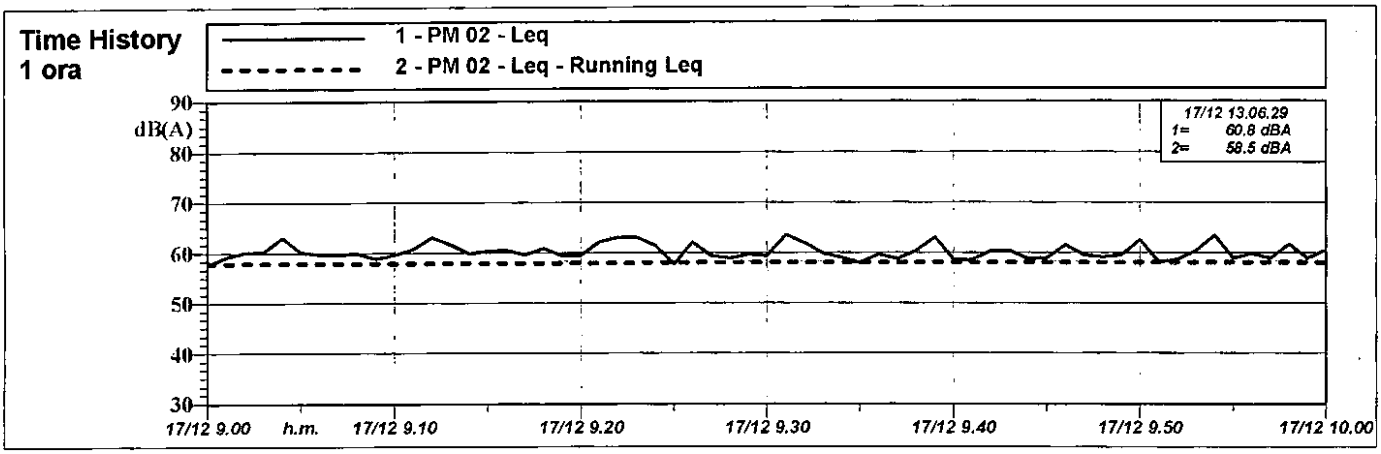
Localizzazione punto di misura e sintesi del rilievo fonometrico

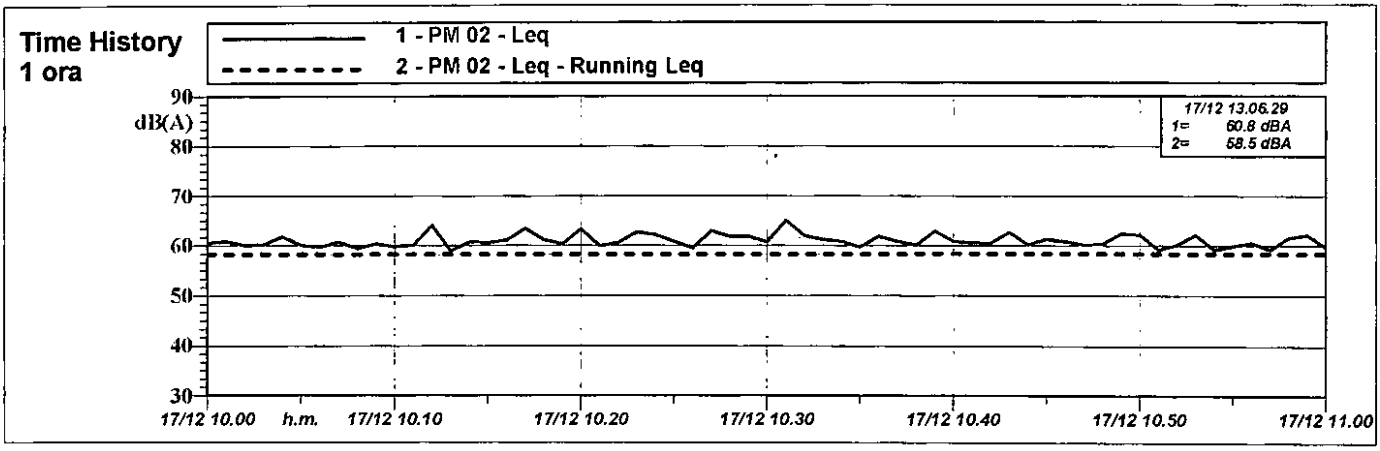


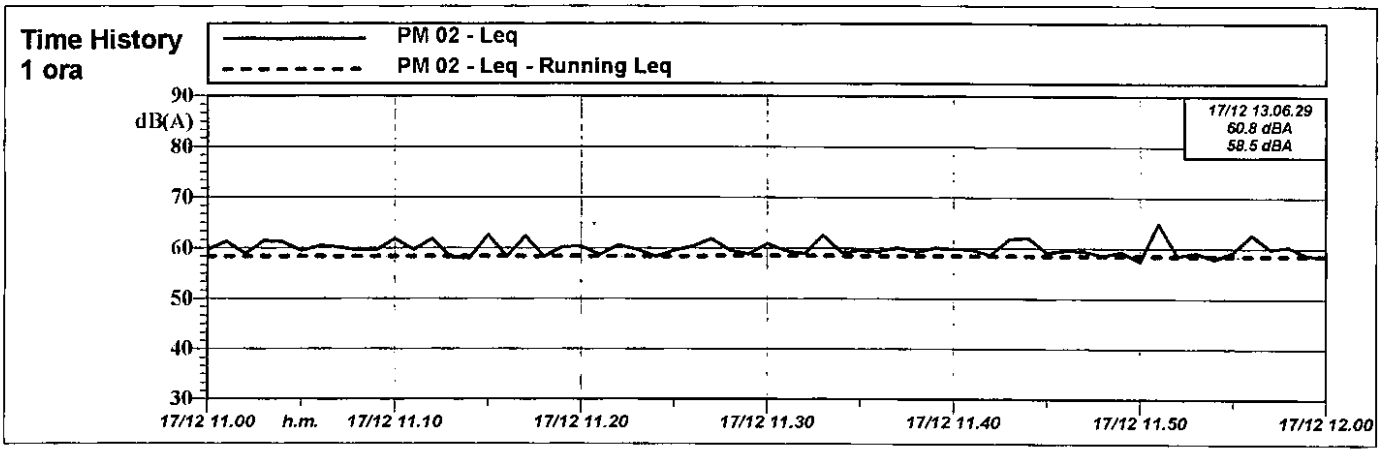


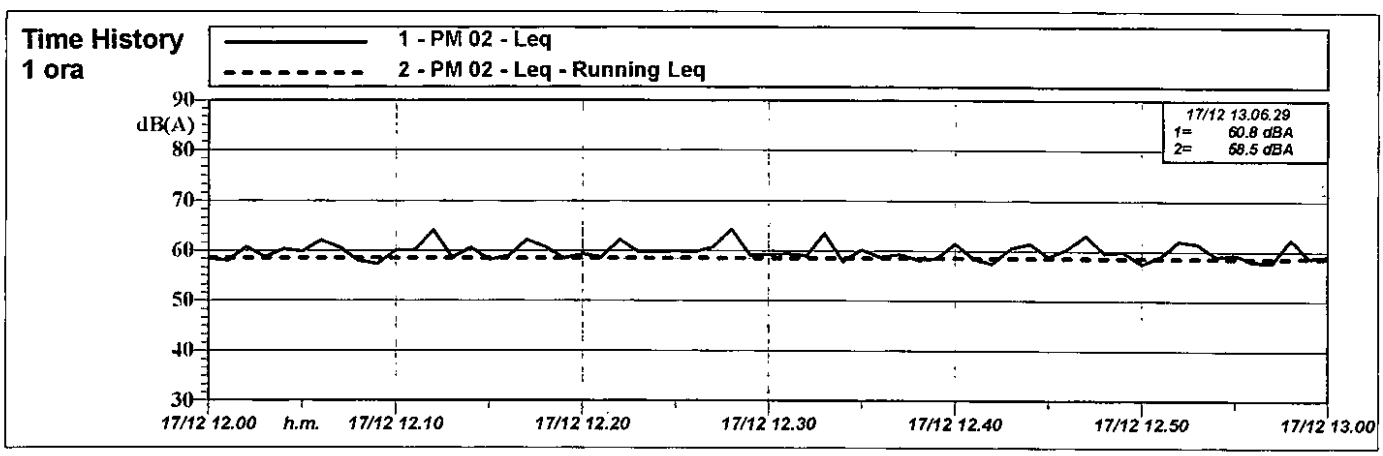





Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
17/12 13.06.29
1= 60.8 dBA
2= 58.5 dBA
17/12 9.00
h.m.
17/12 9.10
17/12 9.20
17/12 9.30
17/12 9.40
17/12 9.50
17/12 10.00

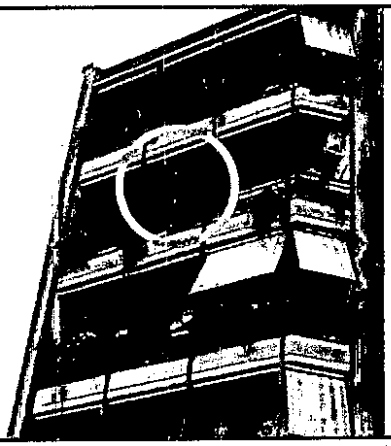

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
17/12 13.06.29
1= 60.8 dBA
2= 58.5 dBA
17/12 10.00
h.m.
17/12 10.10
17/12 10.20
17/12 10.30
17/12 10.40
17/12 10.50
17/12 11.00

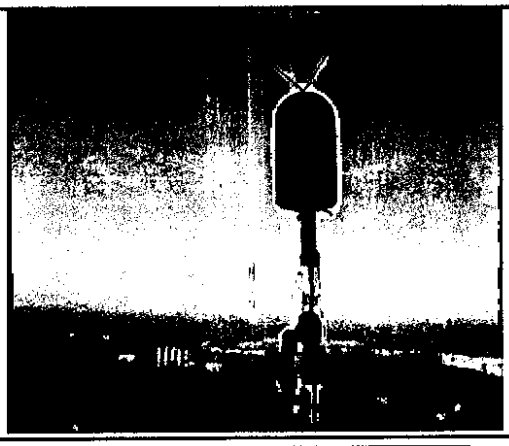

Time History
1 ora
PM 02 - Leq
PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
17/12 13.06.29
60.8 dBA
58.5 dBA
17/12 11.00
h.m.
17/12 11.10
17/12 11.20
17/12 11.30
17/12 11.40
17/12 11.50
17/12 12.00


Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
17/12 13.06.29
1= 60.8 dBA
2= 58.5 dBA
17/12 12.00
h.m.
17/12 12.10
17/12 12.20
17/12 12.30
17/12 12.40
17/12 12.50
17/12 13.00

Progettazioni Ambiente e Trasporti	ACEA – IMPIANTO DI TOR DI VALLE Schede di rilevamento fonometrico

Tipo rilievo:	Monitoraggio acustico in ambiente esterno			**Punto di misura:**	**PM01**
Regione:	Lazio	**Provincia:**	Roma	**Comune:**	Roma
Localizzazione:	Via Nanchino, 26/28 (Quartiere Torrino)			**Zonizzazione:**	
Descrizione:	Il punto di misura è situato al 4° piano del fabbricato e alla distanza pari a circa 570 m dall'impianto ACEA.				
Data inizio misura:	14/01/10	**Data fine misura:**	15/01/10	**Tecnico competente:**	Ing. Tiziana Bastianello Regione Lazio n. 270
Ora inizio misura:	12:00:00	**Ora fine misura:**	12:00:00		



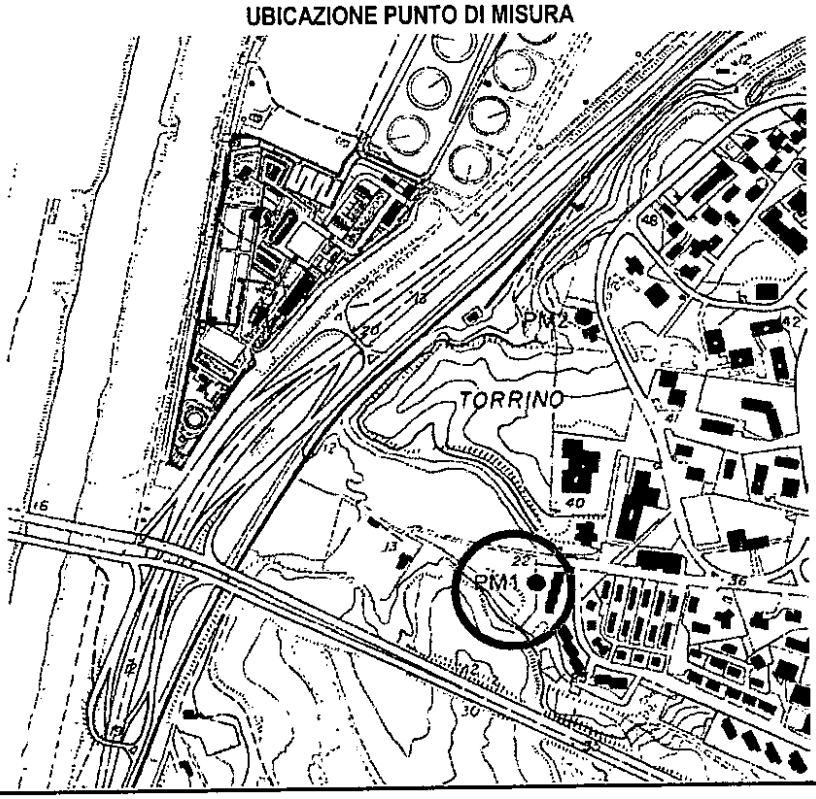


SINTESI ELABORAZIONE ACUSTICA				
	Media impianto acceso		Media impianto spento	
	giorno	notte	giorno	notte
L_{Aeq}	59,0	55,4	-	-
L_{99}	53,4	50,7	-	-

SINTESI PARAMETRI METEO		
	Min	Max
Temperatura [°C]	1	10
Umidità [%]	44	93
Vento V [m/s]/ dir. [°]	< 1,5 / var.	
Pioggia [mm]	assente	

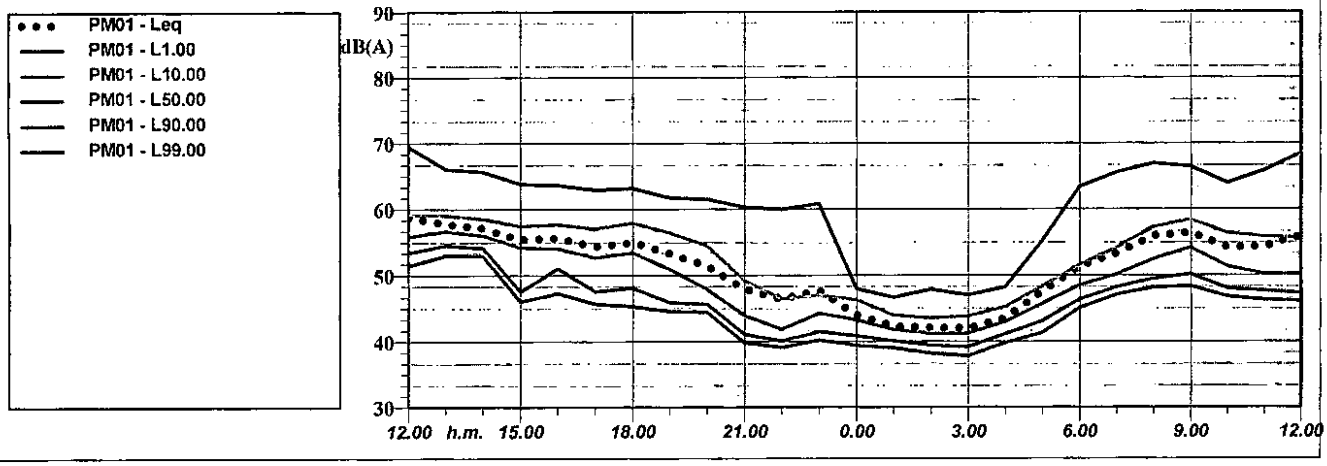
NOTE:	Il clima acustico è caratterizzato da un rumore continuo di sottofondo della centrale. Ulteriori sorgenti sono il GRA (170 m) e la linea ferroviaria e la adiacente via del Mare (410 m). La TG1 è rimasta accesa per tutto il periodo di misura

UBICAZIONE PUNTO DI MISURA



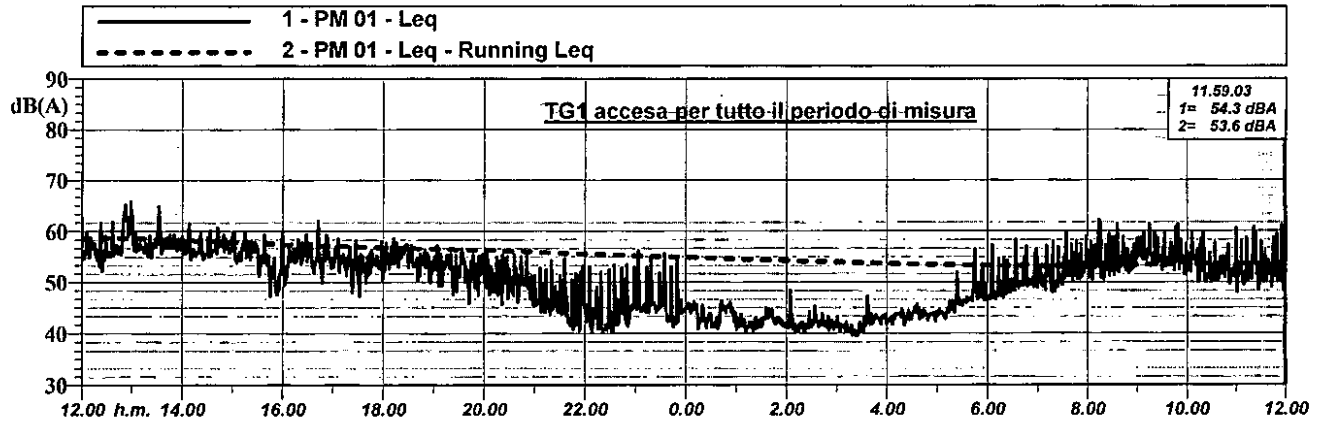
Stralcio planimetrico

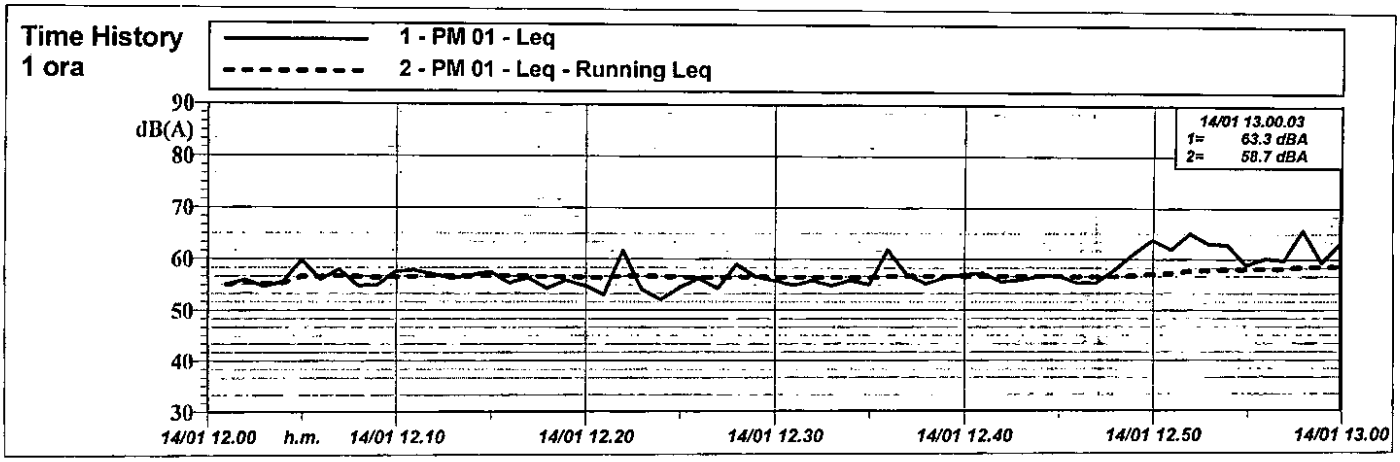
Intervalli orari - Leq e dei Livelli percentili

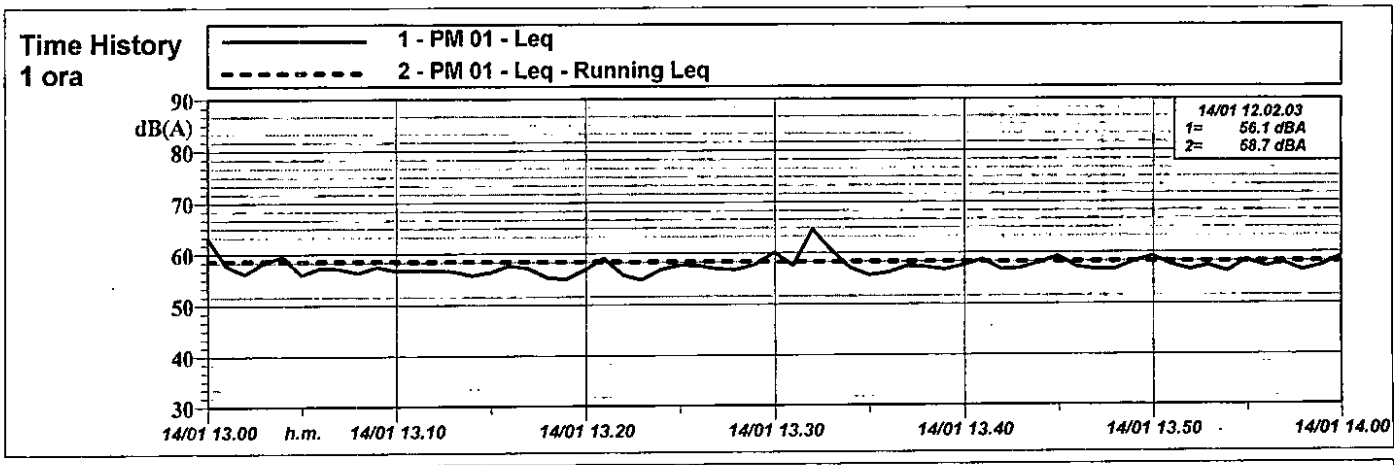


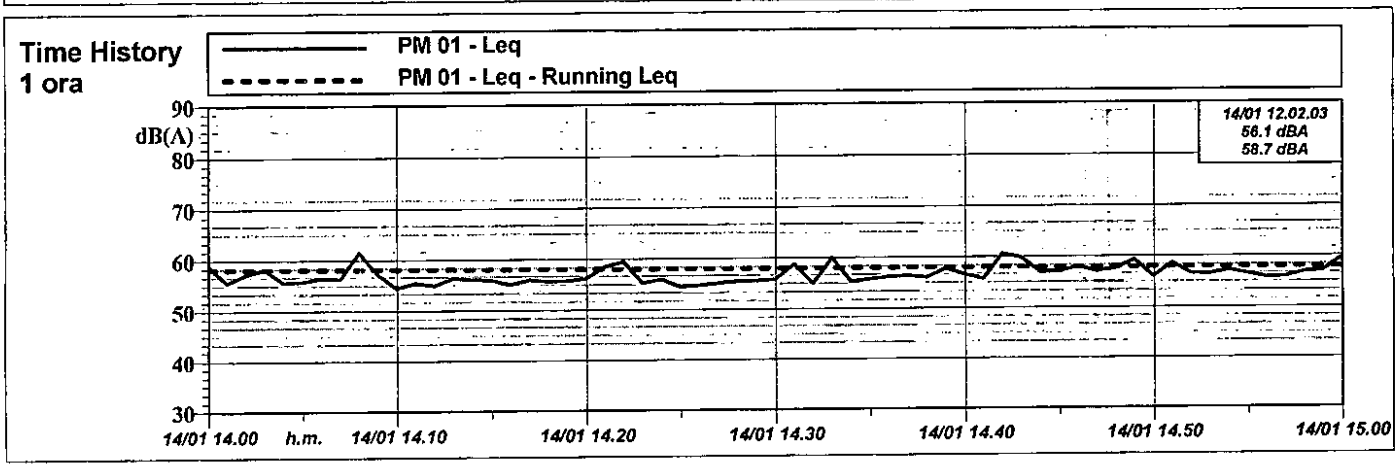
	LEQ	L1	L10	L50	L90	L99
12.00.00	58.7 dBA	69.4 dBA	59.1 dBA	55.9 dBA	53.4 dBA	51.5 dBA
13.00.00	57.8 dBA	66.1 dBA	59.1 dBA	56.6 dBA	54.5 dBA	53.0 dBA
14.00.00	57.1 dBA	65.6 dBA	58.5 dBA	56.0 dBA	54.1 dBA	53.0 dBA
15.00.00	55.4 dBA	63.8 dBA	57.4 dBA	54.2 dBA	47.5 dBA	46.0 dBA
16.00.00	55.6 dBA	63.6 dBA	57.7 dBA	54.0 dBA	51.0 dBA	47.2 dBA
17.00.00	54.3 dBA	62.9 dBA	57.1 dBA	52.7 dBA	47.6 dBA	45.7 dBA
18.00.00	55.0 dBA	63.1 dBA	57.9 dBA	53.4 dBA	48.1 dBA	45.3 dBA
19.00.00	53.3 dBA	61.7 dBA	56.4 dBA	50.9 dBA	45.9 dBA	44.5 dBA
20.00.00	51.4 dBA	61.5 dBA	54.4 dBA	47.9 dBA	45.6 dBA	44.4 dBA
21.00.00	47.9 dBA	60.3 dBA	49.2 dBA	43.9 dBA	41.1 dBA	39.8 dBA
22.00.00	46.4 dBA	59.9 dBA	46.4 dBA	41.8 dBA	40.1 dBA	39.1 dBA
23.00.00	47.7 dBA	60.8 dBA	47.0 dBA	44.2 dBA	41.5 dBA	40.2 dBA
0.00.00	44.0 dBA	48.0 dBA	46.3 dBA	43.2 dBA	40.8 dBA	39.4 dBA
1.00.00	42.3 dBA	46.7 dBA	44.0 dBA	41.8 dBA	40.1 dBA	39.0 dBA
2.00.00	42.1 dBA	47.9 dBA	43.5 dBA	41.2 dBA	39.4 dBA	38.2 dBA
3.00.00	42.0 dBA	47.0 dBA	43.8 dBA	41.2 dBA	39.1 dBA	37.8 dBA
4.00.00	43.5 dBA	48.2 dBA	45.2 dBA	42.9 dBA	41.1 dBA	39.8 dBA
5.00.00	47.5 dBA	55.2 dBA	48.3 dBA	45.7 dBA	43.1 dBA	41.3 dBA
6.00.00	51.3 dBA	63.4 dBA	51.5 dBA	48.5 dBA	46.4 dBA	45.1 dBA
7.00.00	53.3 dBA	65.5 dBA	54.2 dBA	50.0 dBA	48.2 dBA	47.1 dBA
8.00.00	55.9 dBA	66.9 dBA	57.3 dBA	52.4 dBA	49.5 dBA	48.2 dBA
9.00.00	56.4 dBA	66.4 dBA	58.4 dBA	54.1 dBA	50.2 dBA	48.3 dBA
10.00.00	54.2 dBA	63.9 dBA	56.4 dBA	51.3 dBA	48.0 dBA	46.8 dBA
11.00.00	54.3 dBA	65.8 dBA	55.9 dBA	50.1 dBA	47.7 dBA	46.3 dBA
12.00.00	55.9 dBA	68.4 dBA	55.6 dBA	50.1 dBA	47.3 dBA	46.1 dBA

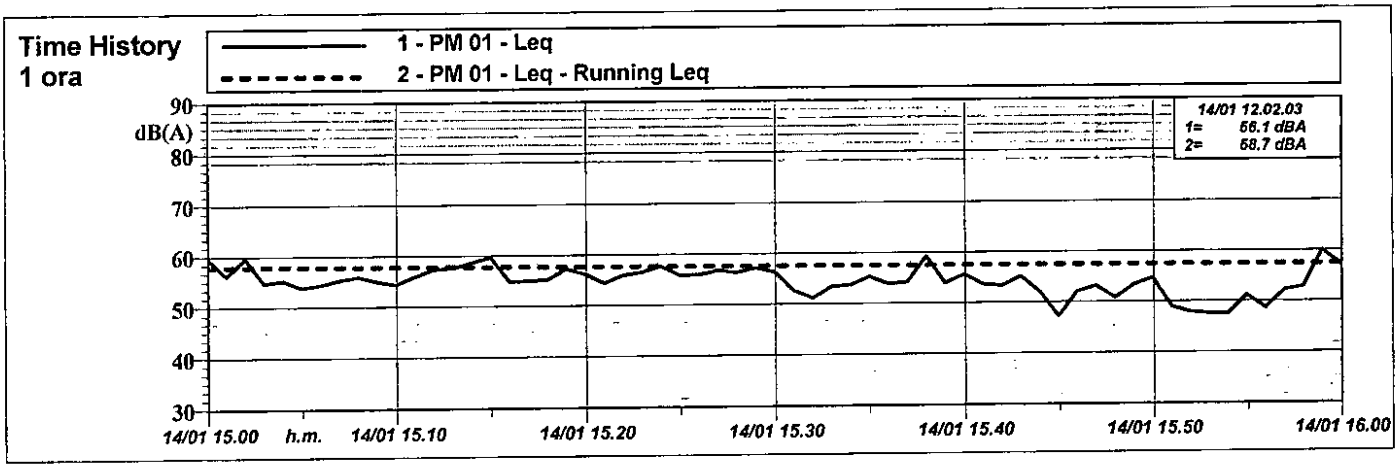
Time History - Periodo misura

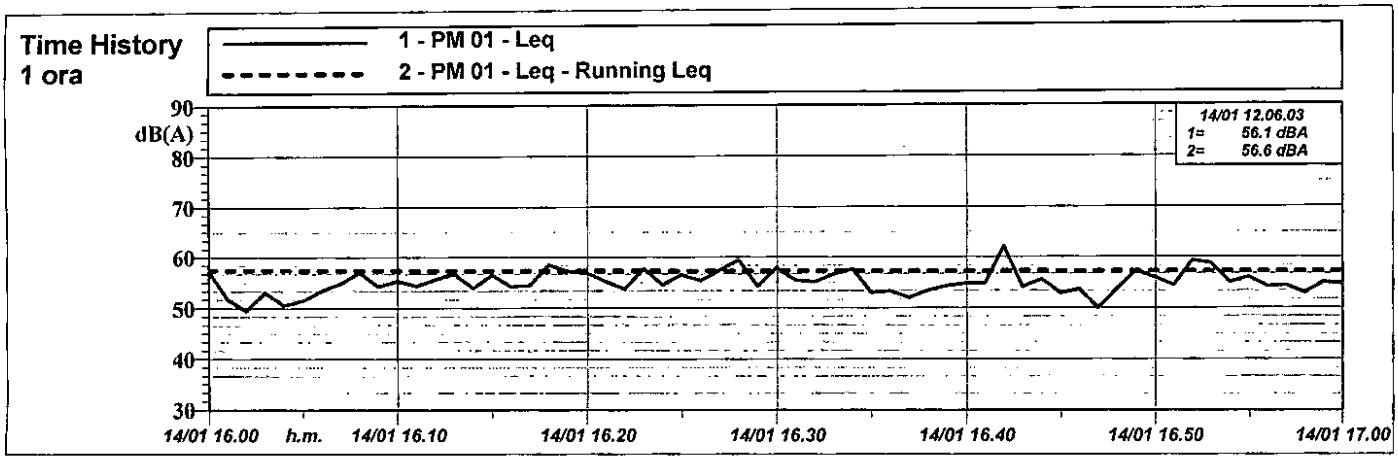



Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 13.00.03
1= 63.3 dBA
2= 58.7 dBA
14/01 12.00
h.m.
14/01 12.10
14/01 12.20
14/01 12.30
14/01 12.40
14/01 12.50
14/01 13.00


Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.03
1= 56.1 dBA
2= 58.7 dBA
14/01 13.00
h.m.
14/01 13.10
14/01 13.20
14/01 13.30
14/01 13.40
14/01 13.50
14/01 14.00


Time History
1 ora
PM 01 - Leq
PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.03
56.1 dBA
58.7 dBA
14/01 14.00
h.m.
14/01 14.10
14/01 14.20
14/01 14.30
14/01 14.40
14/01 14.50
14/01 15.00


Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.03
1= 56.1 dBA
2= 58.7 dBA
14/01 15.00
h.m.
14/01 15.10
14/01 15.20
14/01 15.30
14/01 15.40
14/01 15.50
14/01 16.00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dB(A)
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1= 56.1 dBA
2= 56.6 dBA
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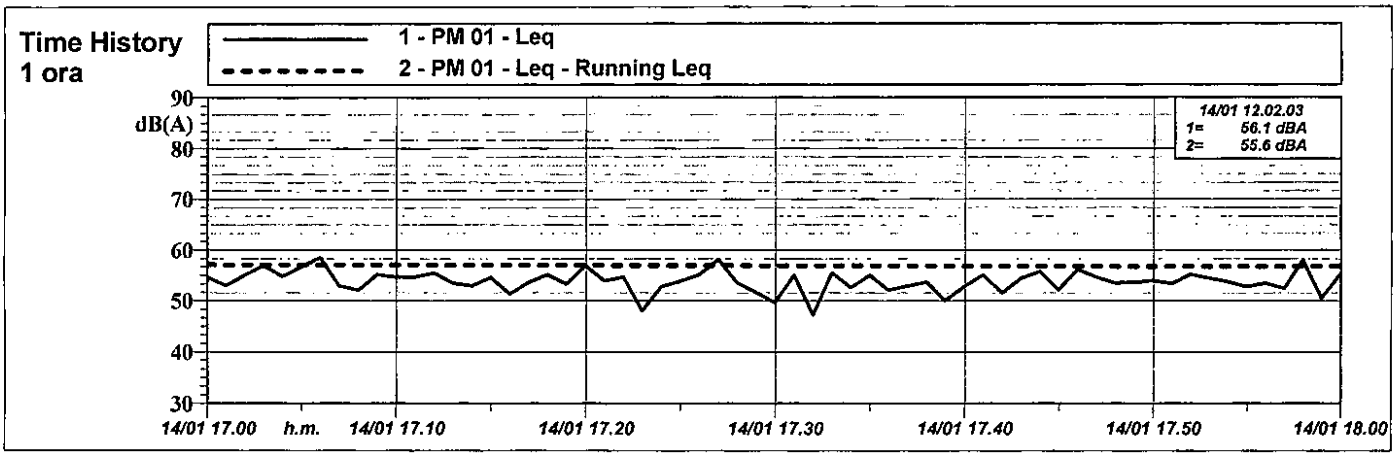
14/01 16.10
14/01 16.20
14/01 16.30
14/01 16.40
14/01 16.50
14/01 17.00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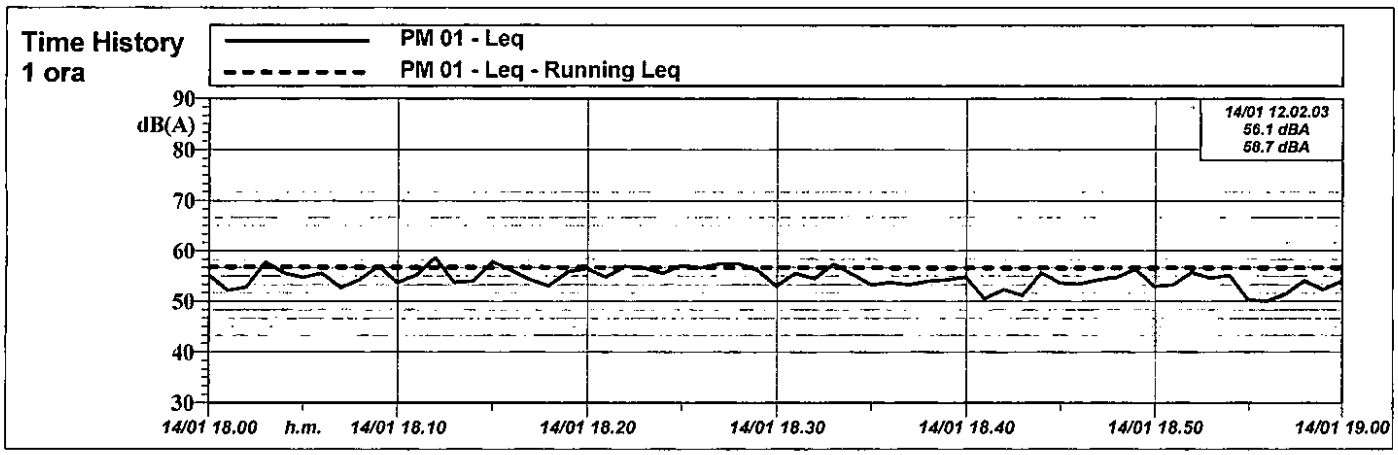
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.03
1= 56.1 dBA
2= 55.6 dBA
14/01 17.00
h.m.
14/01 17.10
14/01 17.20
14/01 17.30
14/01 17.40
14/01 17.50
14/01 18.00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PM 01 - Leq
PM 01 - Leq - Running Leq
dB(A)
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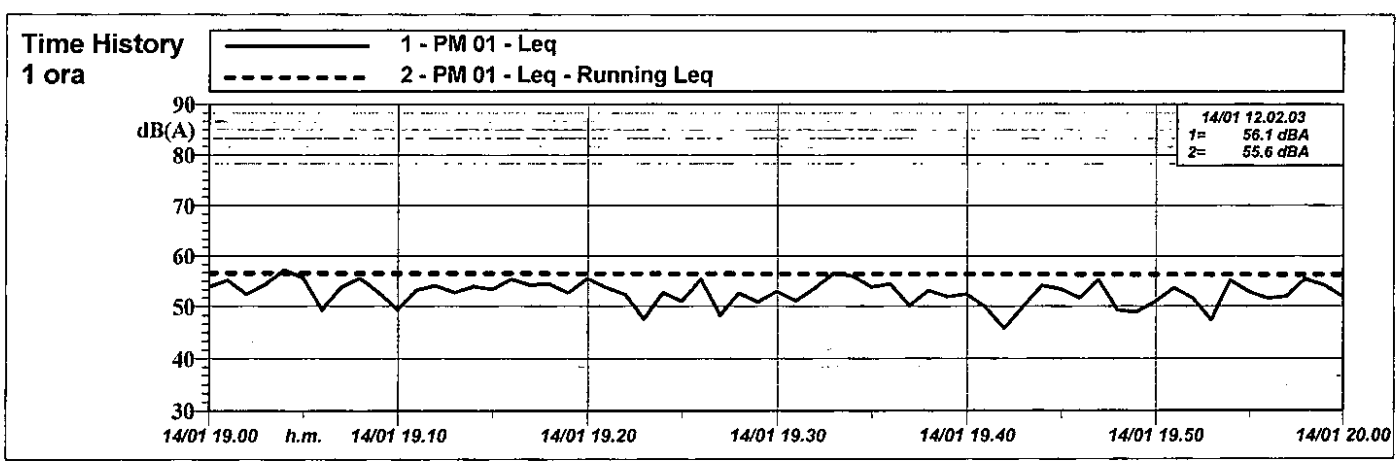
80
70
60
50
40
30
14/01 12.02.03
56.1 dBA
58.7 dBA
14/01 18.00
h.m.
14/01 18.10
14/01 18.20
14/01 18.30
14/01 18.40
14/01 18.50
14/01 19.00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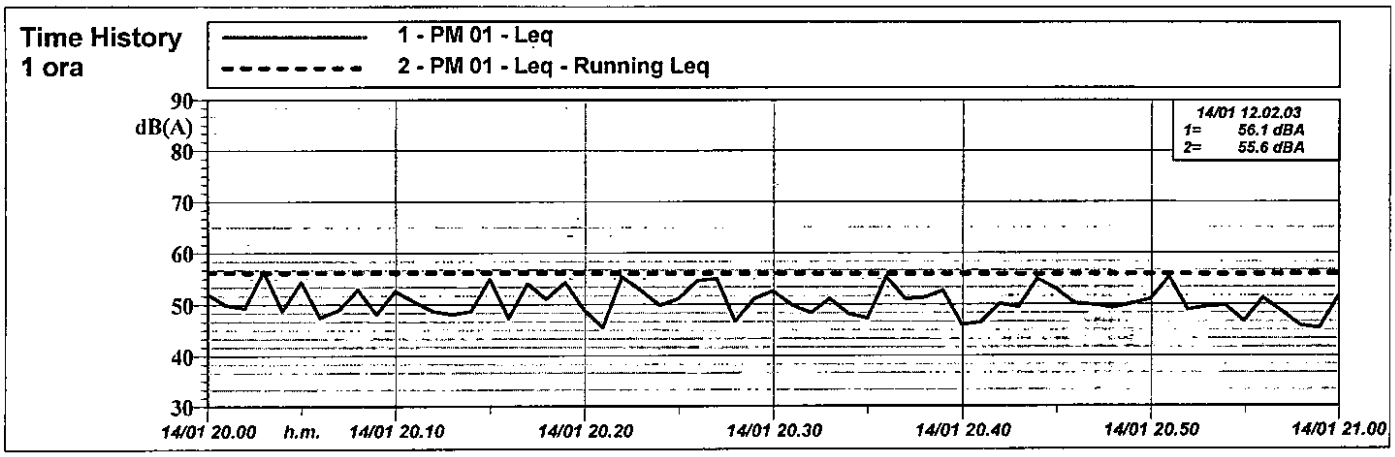
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.03
1= 56.1 dBA
2= 55.6 dBA
14/01 19.00
h.m.
14/01 19.10
14/01 19.20
14/01 19.30
14/01 19.40
14/01 19.50
14/01 20.00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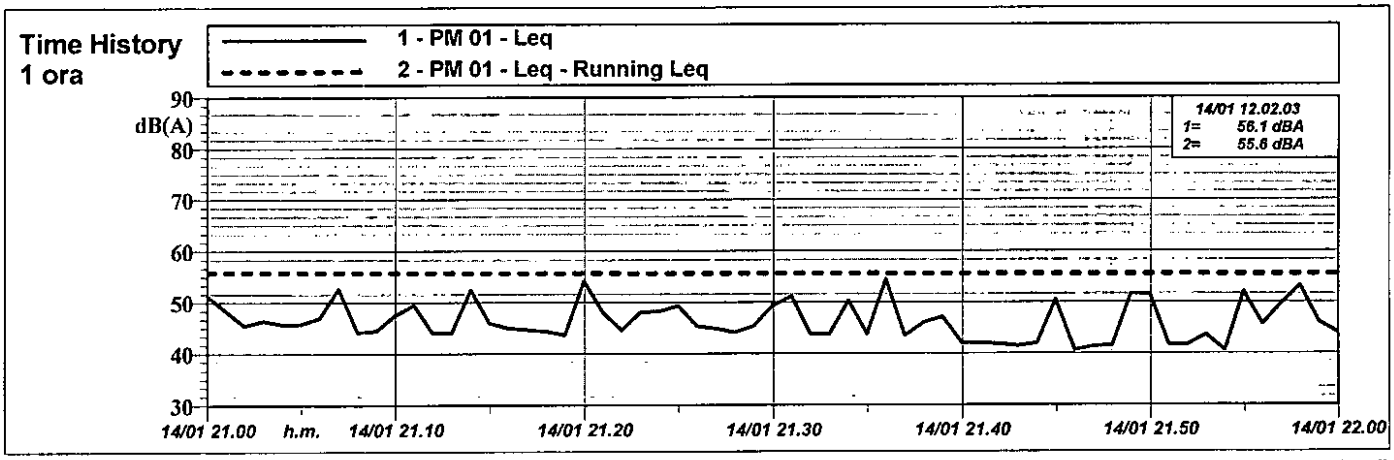
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.03
1= 56.1 dBA
2= 55.6 dBA
14/01 20.00
h.m.
14/01 20.10
14/01 20.20
14/01 20.30
14/01 20.40
14/01 20.50
14/01 21.00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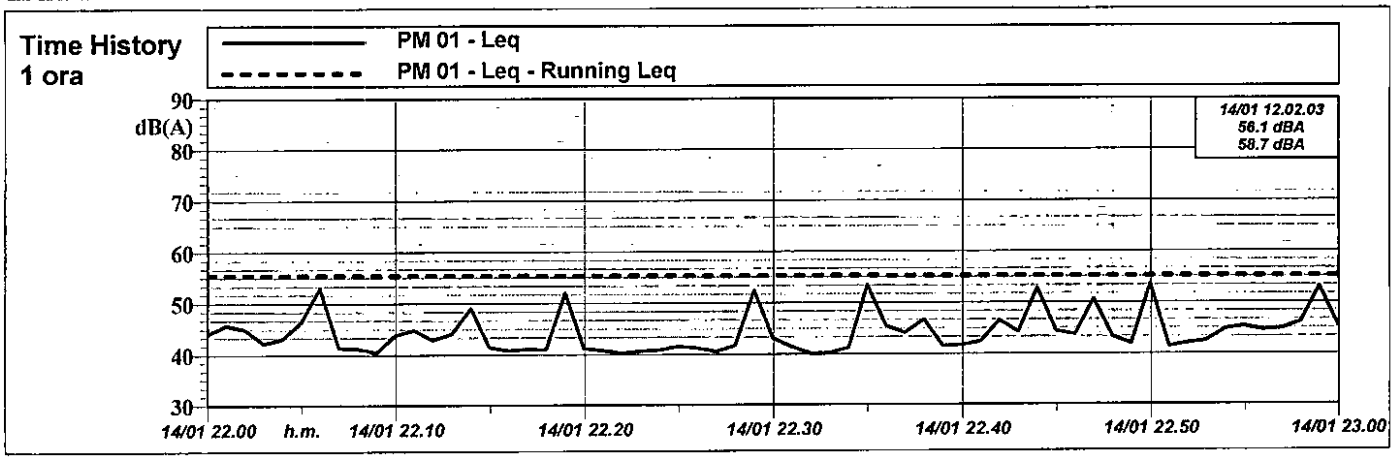
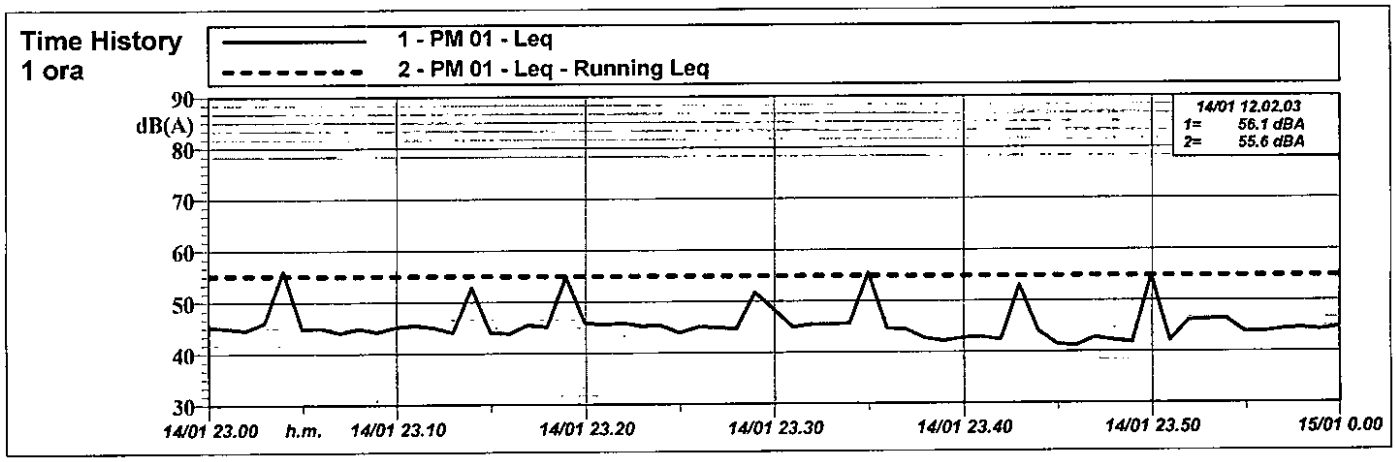
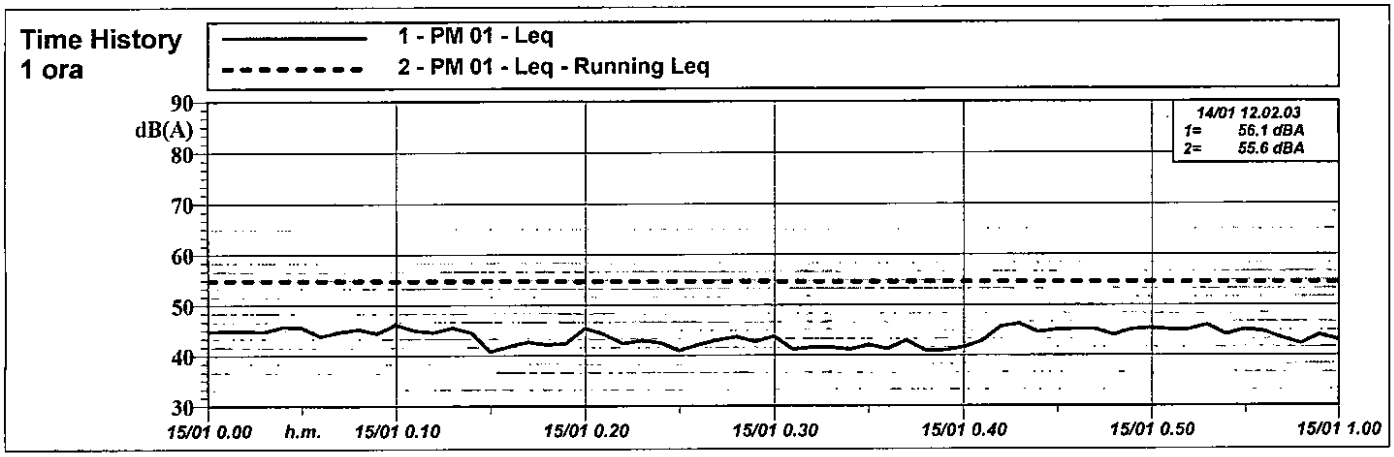
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.03
1= 56.1 dBA
2= 55.6 dBA
14/01 21.00
h.m.
14/01 21.10
14/01 21.20
14/01 21.30
14/01 21.40
14/01 21.50
14/01 22.00


Time History
1 ora
PM 01 - Leq
PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.03
56.1 dBA
58.7 dBA
14/01 22.00
h.m.
14/01 22.10
14/01 22.20
14/01 22.30
14/01 22.40
14/01 22.50
14/01 23.00


Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.03
1= 56.1 dBA
2= 55.6 dBA
14/01 23.00
h.m.
14/01 23.10
14/01 23.20
14/01 23.30
14/01 23.40
14/01 23.50
15/01 0.00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1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
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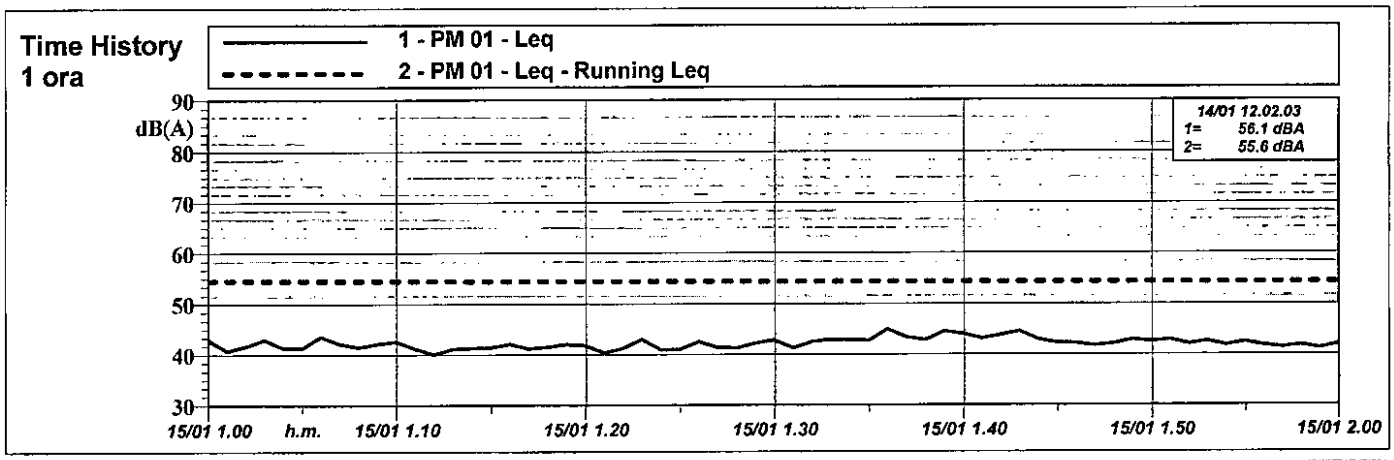
80
70
60
50
40
30
14/01 12.02.03
1= 56.1 dBA
2= 55.6 dBA
15/01 0.00
h.m.
15/01 0.10
15/01 0.20
15/01 0.30
15/01 0.40
15/01 0.50
15/01 1.00


Time History
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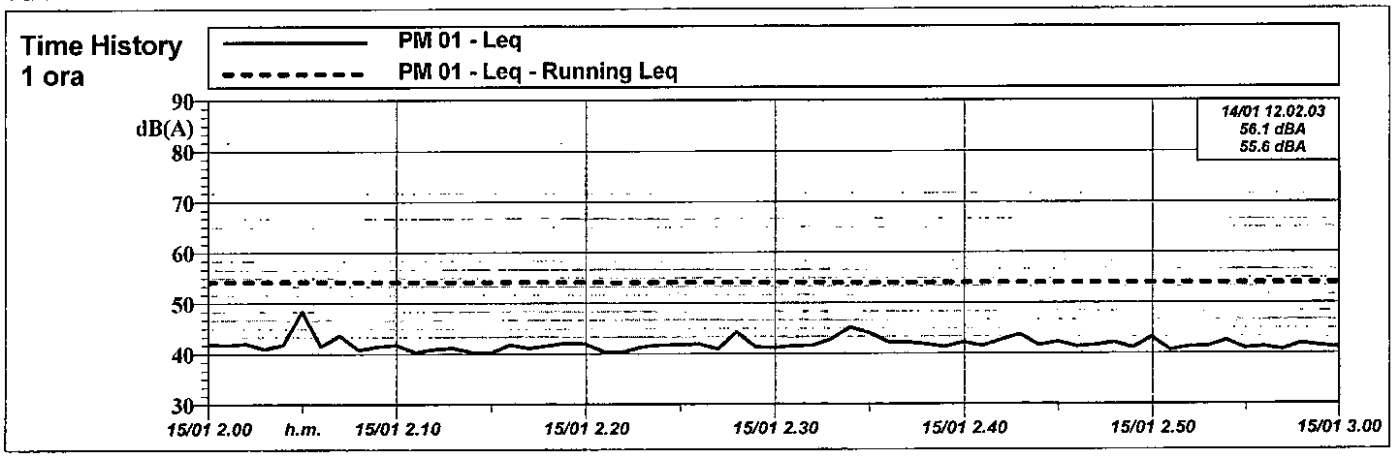
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.03
1= 56.1 dBA
2= 55.6 dBA
15/01 1.00
h.m.
15/01 1.10
15/01 1.20
15/01 1.30
15/01 1.40
15/01 1.50
15/01 2.00


Time History
1 ora
PM 01 - Leq
PM 01 - Leq - Running Leq
dB(A)
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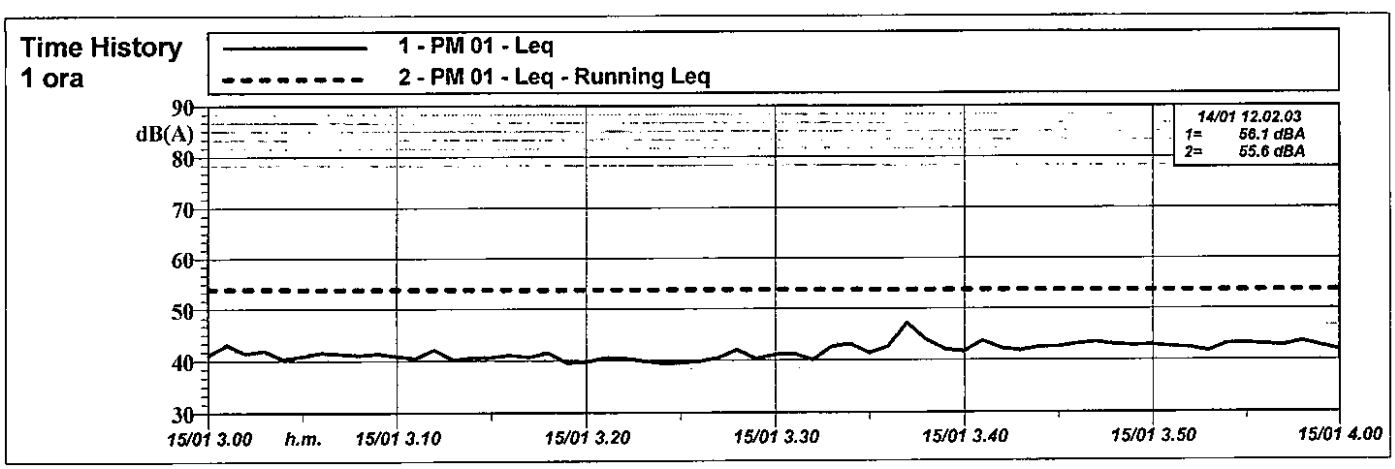
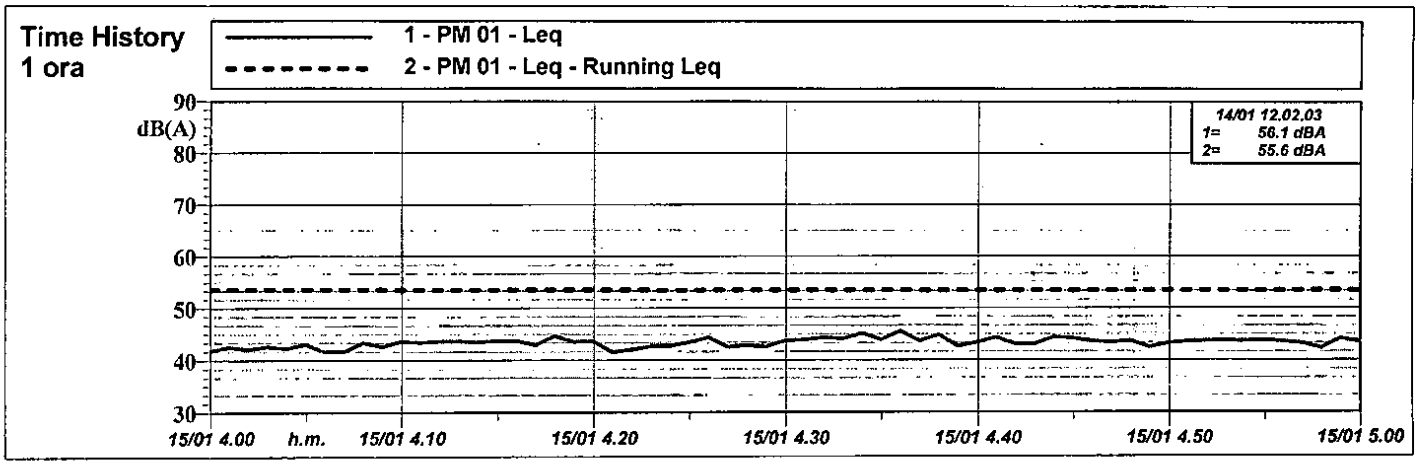
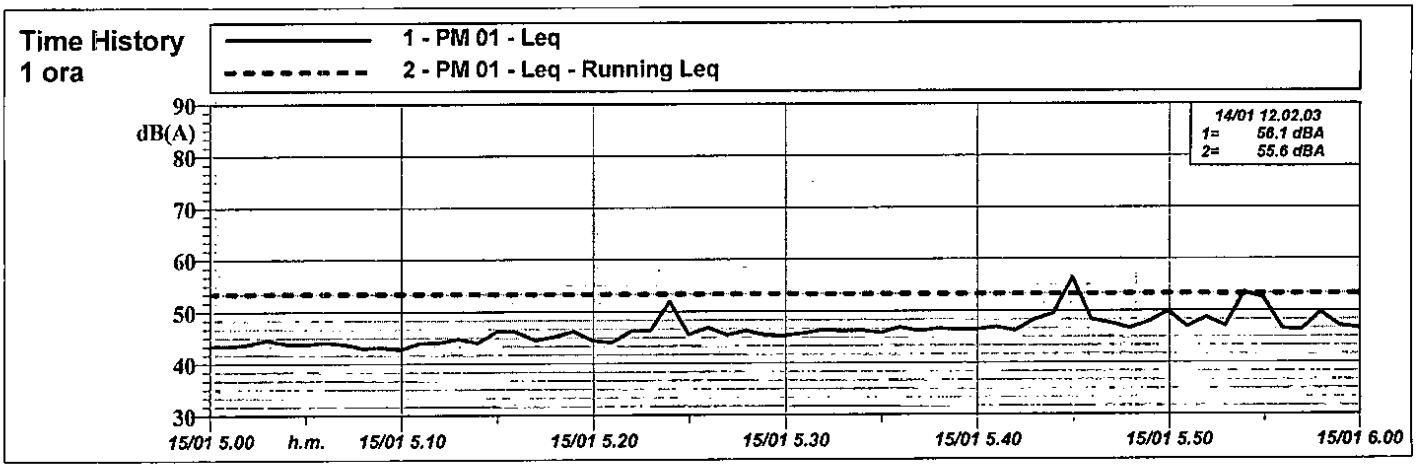
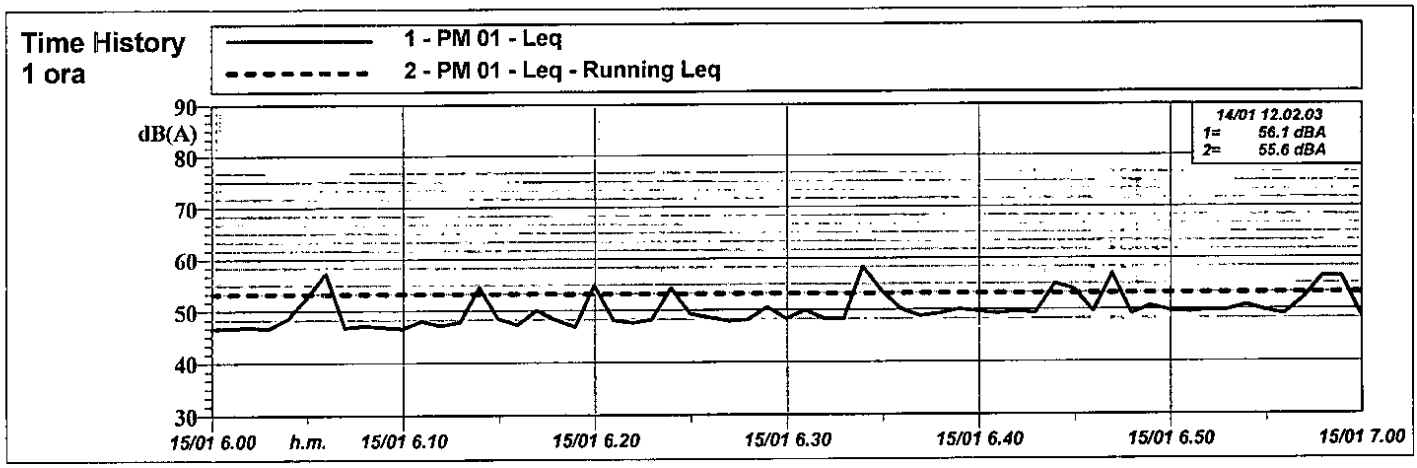
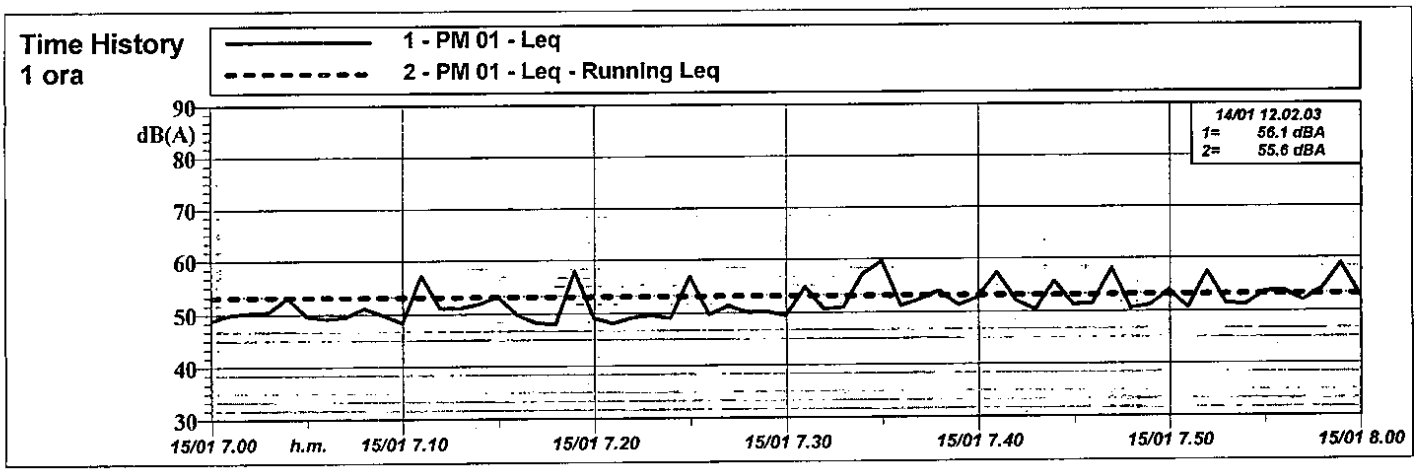
80
70
60
50
40
30
14/01 12.02.03
56.1 dBA
55.6 dBA
15/01 2.00
h.m.
15/01 2.10
15/01 2.20
15/01 2.30
15/01 2.40
15/01 2.50
15/01 3.00

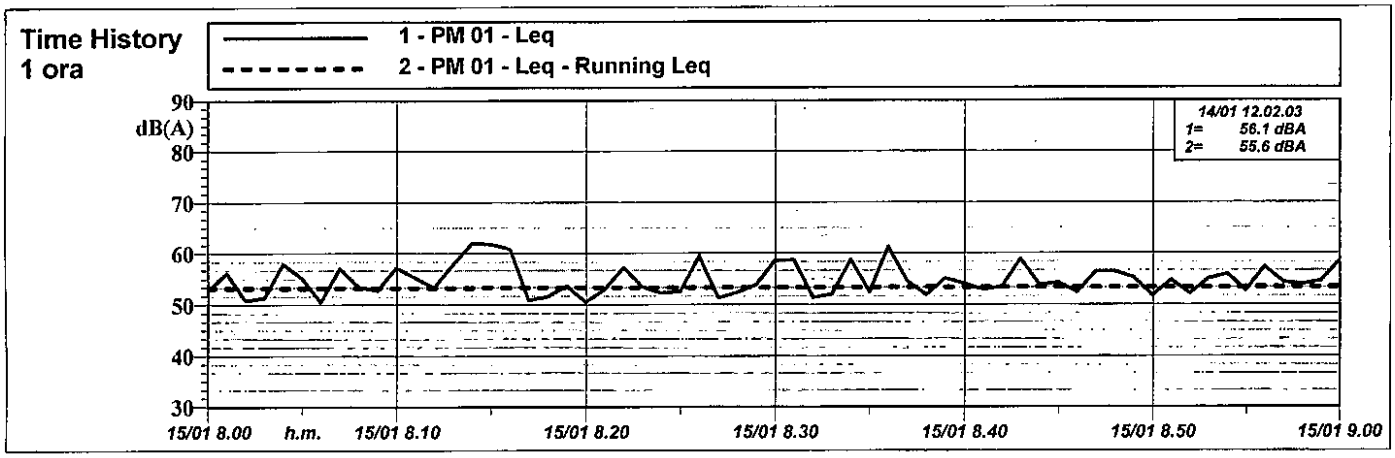

Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.03
1= 56.1 dBA
2= 55.6 dBA
15/01 3.00
h.m.
15/01 3.10
15/01 3.20
15/01 3.30
15/01 3.40
15/01 3.50
15/01 4.00

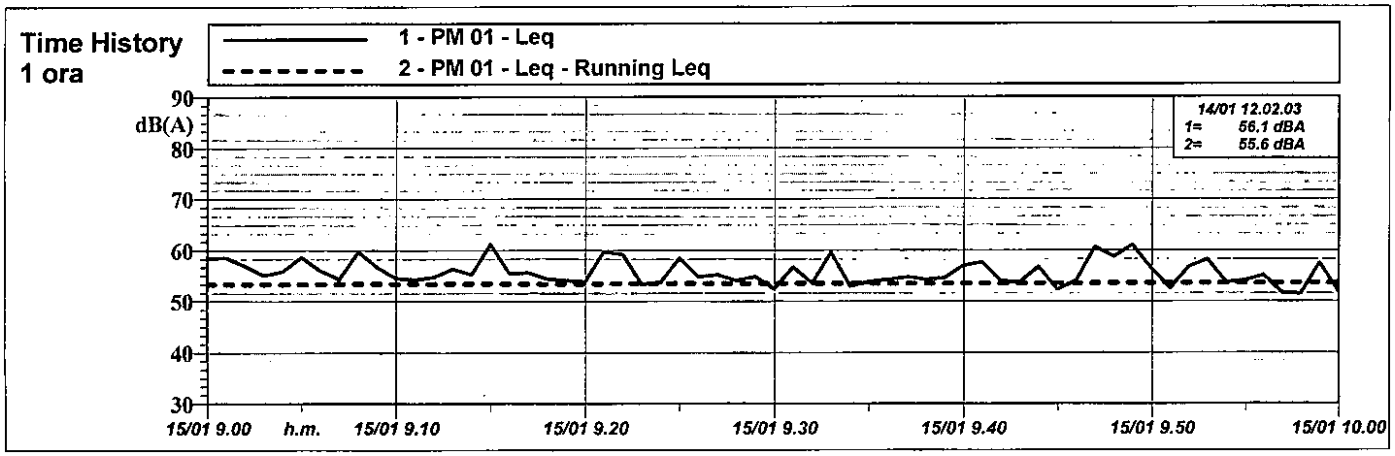

Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.03
1= 56.1 dBA
2= 55.6 dBA
15/01 4.00
h.m.
15/01 4.10
15/01 4.20
15/01 4.30
15/01 4.40
15/01 4.50
15/01 5.00

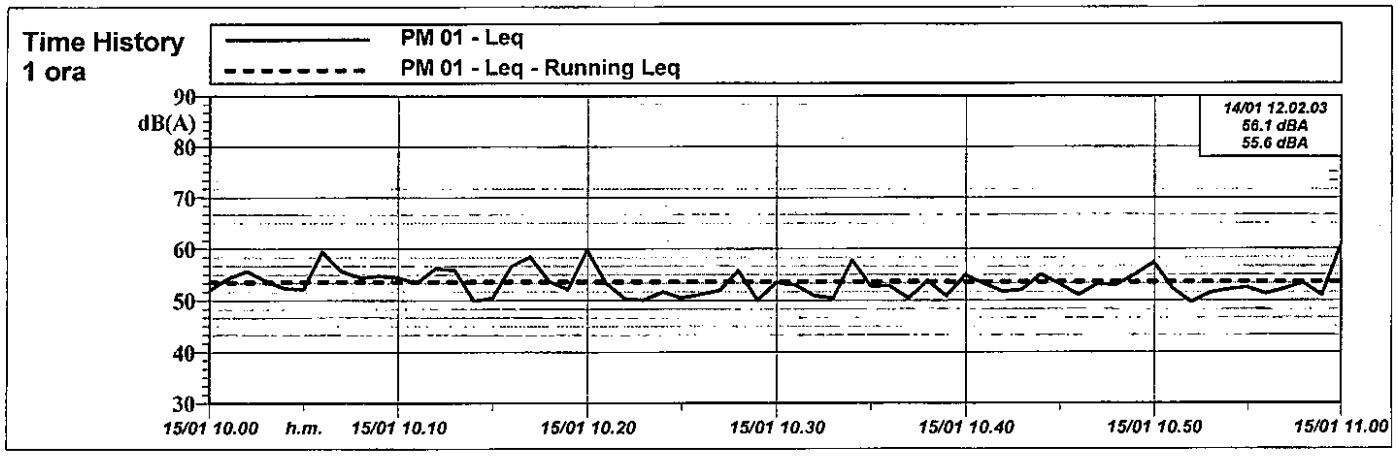

Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.03
1= 56.1 dBA
2= 55.6 dBA
15/01 5.00
h.m.
15/01 5.10
15/01 5.20
15/01 5.30
15/01 5.40
15/01 5.50
15/01 6.00

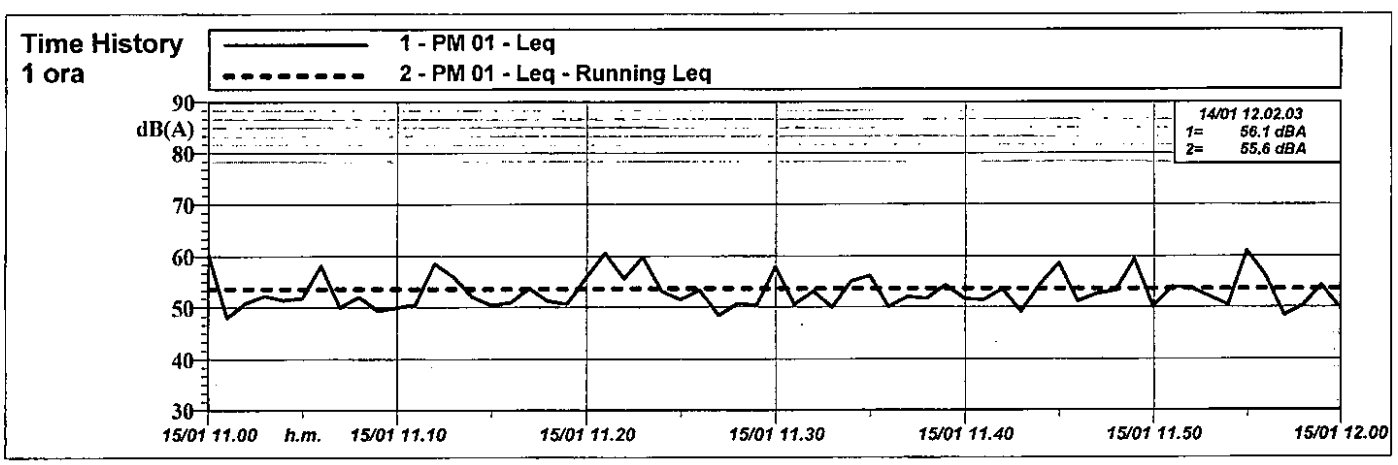

Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.03
1= 56.1 dBA
2= 55.6 dBA
15/01 6.00
h.m.
15/01 6.10
15/01 6.20
15/01 6.30
15/01 6.40
15/01 6.50
15/01 7.00


Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.03
1= 56.1 dBA
2= 55.6 dBA
15/01 7.00
h.m.
15/01 7.10
15/01 7.20
15/01 7.30
15/01 7.40
15/01 7.50
15/01 8.00


Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.03
1= 56.1 dBA
2= 55.6 dBA
15/01 8.00
h.m.
15/01 8.10
15/01 8.20
15/01 8.30
15/01 8.40
15/01 8.50
15/01 9.00

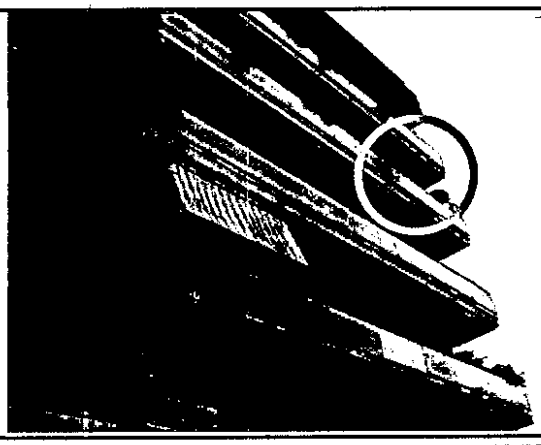

Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.03
1= 56.1 dBA
2= 55.6 dBA
15/01 9.00
h.m.
15/01 9.10
15/01 9.20
15/01 9.30
15/01 9.40
15/01 9.50
15/01 10.00

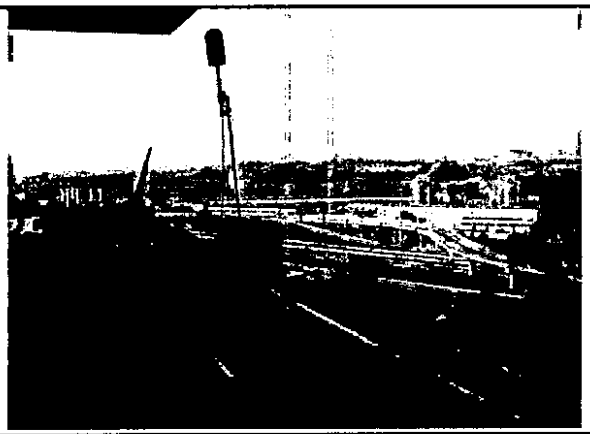

Time History
1 ora
PM 01 - Leq
PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.03
56.1 dBA
55.6 dBA
15/01 10.00
h.m.
15/01 10.10
15/01 10.20
15/01 10.30
15/01 10.40
15/01 10.50
15/01 11.00


Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.03
1= 56.1 dBA
2= 55.6 dBA
15/01 11.00
h.m.
15/01 11.10
15/01 11.20
15/01 11.30
15/01 11.40
15/01 11.50
15/01 12.00

Progettazioni Ambiente e Trasporti	ACEA – IMPIANTO DI TOR DI VALLE Schede di rilevamento fonometrico

Tipo rilievo:	Monitoraggio acustico in ambiente esterno			**Punto di misura:**	**PM02**
Regione:	Lazio	**Provincia:**	Roma	**Comune:**	Roma
Localizzazione:	Via Fiume Giallo, 113 (Quartiere Torrino)			**Zonizzazione:**	
Descrizione:	Il punto di misura è situato al 4° piano del fabbricato e alla distanza pari a circa 320 m dall'impianto ACEA.				
Data inizio misura:	14/01/10	**Data fine misura:**	15/01/10	**Tecnico competente:**	Ing. Tiziana Bastianello Regione Lazio n. 270
Ora inizio misura:	12:00:00	**Ora fine misura:**	12:00:00		



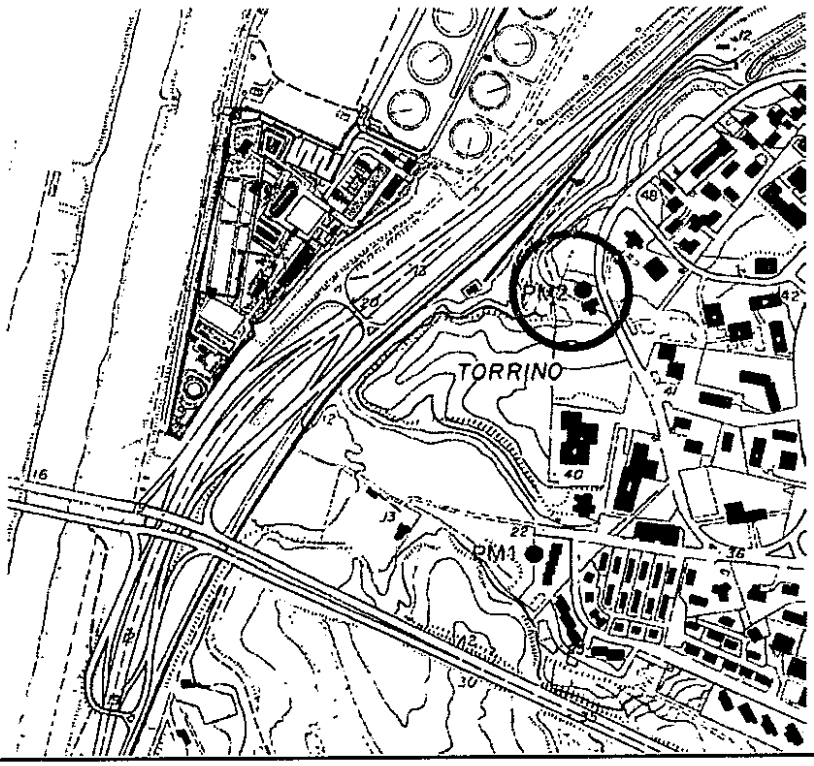


	SINTESI ELABORAZIONE ACUSTICA			
	Media impianto acceso		Media impianto spento	
	giorno	notte	giorno	notte
L_{Aeq}	59	55,4	-	-
L_{99}	53,4	50,7	-	-

SINTESI PARAMETRI METEO		
	Min	Max
Temperatura [°C]	1	10
Umidità [%]	44	93
Vento V [m/s]/ dir. [°]	< 1,5 / variabile	
Pioggia [mm]	assente	

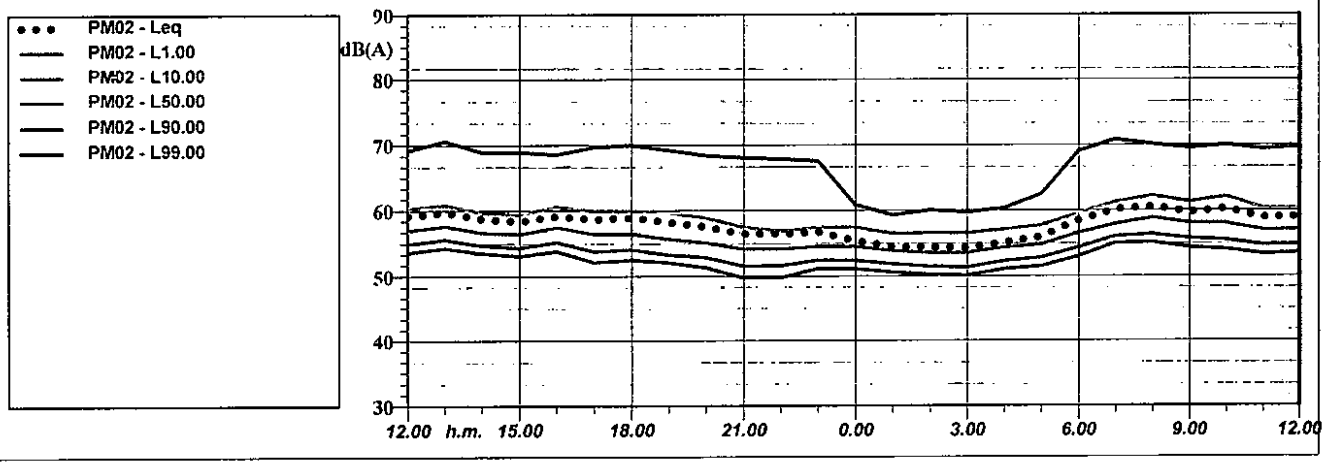
NOTE:	Il clima acustico è caratterizzato da un rumore continuo di sottofondo della centrale. Ulteriori sorgenti sono il GRA (570 m) e la linea ferroviaria e la adiacente via del Mare (160 m). La TG1 è rimasta accesa per tutto il periodo di misura.

UBICAZIONE PUNTO DI MISURA



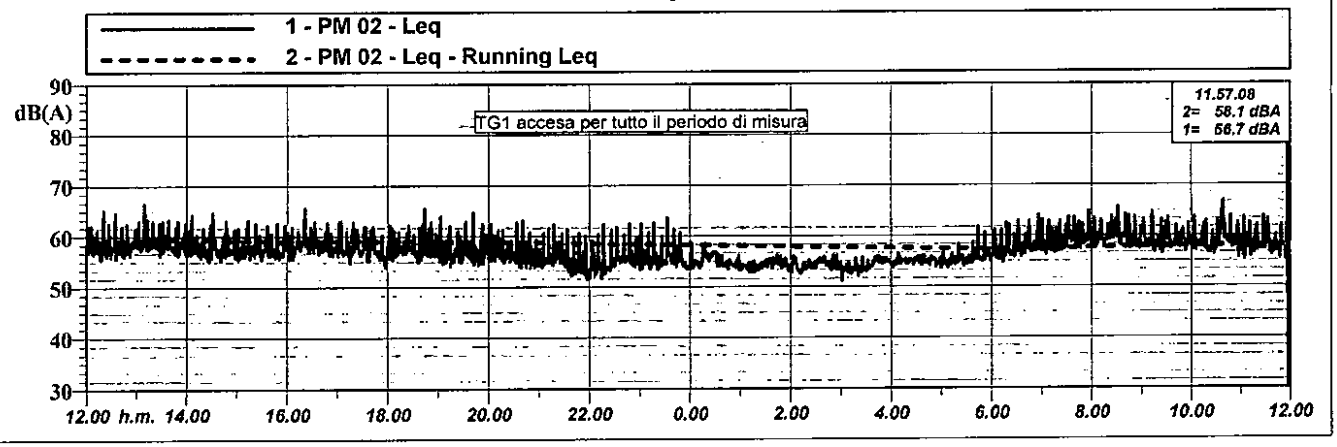
Stralcio planimetrico

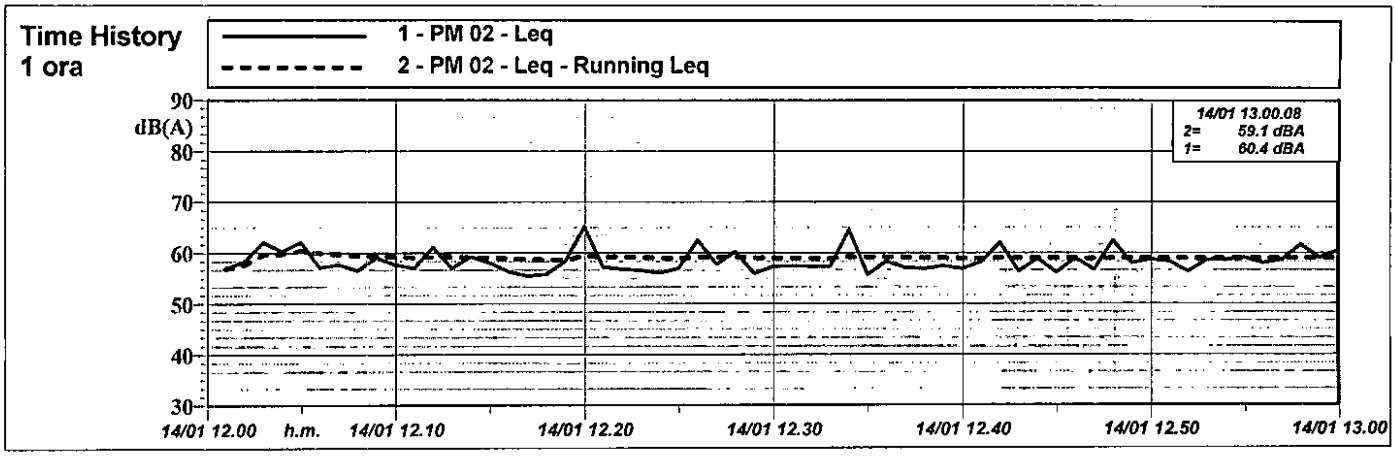
Intervalli orari - Leq e dei Livelli percentili

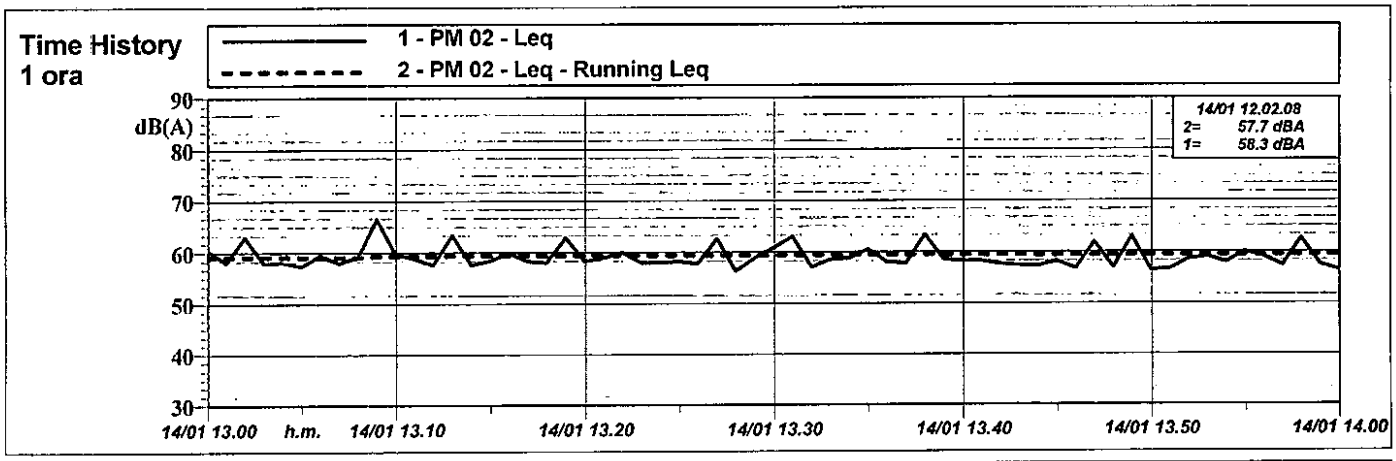


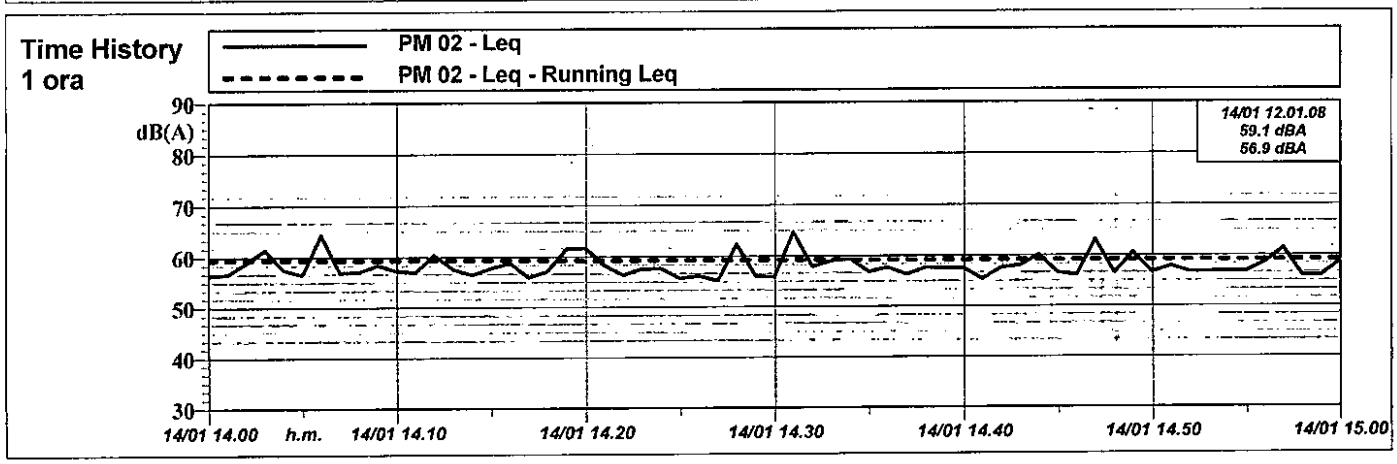
	LEQ	L1	L10	L50	L90	L99
12.00.00	59.1 dBA	69.2 dBA	60.3 dBA	56.9 dBA	54.9 dBA	53.7 dBA
13.00.00	59.7 dBA	70.6 dBA	60.8 dBA	57.6 dBA	55.6 dBA	54.3 dBA
14.00.00	58.7 dBA	68.9 dBA	59.6 dBA	56.6 dBA	54.7 dBA	53.5 dBA
15.00.00	58.3 dBA	68.9 dBA	59.4 dBA	56.3 dBA	54.3 dBA	53.1 dBA
16.00.00	59.1 dBA	68.5 dBA	60.6 dBA	57.4 dBA	55.2 dBA	53.8 dBA
17.00.00	58.6 dBA	69.7 dBA	59.9 dBA	56.4 dBA	53.8 dBA	52.2 dBA
18.00.00	58.9 dBA	70.0 dBA	59.9 dBA	56.4 dBA	54.1 dBA	52.5 dBA
19.00.00	58.1 dBA	69.2 dBA	59.7 dBA	55.5 dBA	53.3 dBA	52.1 dBA
20.00.00	57.4 dBA	68.4 dBA	58.9 dBA	55.0 dBA	52.9 dBA	51.3 dBA
21.00.00	56.4 dBA	68.0 dBA	57.5 dBA	54.1 dBA	51.6 dBA	49.8 dBA
22.00.00	56.4 dBA	67.8 dBA	56.9 dBA	54.1 dBA	51.6 dBA	49.8 dBA
23.00.00	56.7 dBA	67.5 dBA	57.4 dBA	54.5 dBA	52.4 dBA	51.2 dBA
0.00.00	55.3 dBA	60.8 dBA	57.4 dBA	54.4 dBA	52.4 dBA	51.1 dBA
1.00.00	54.4 dBA	59.3 dBA	56.4 dBA	53.8 dBA	51.9 dBA	50.6 dBA
2.00.00	54.3 dBA	60.0 dBA	56.6 dBA	53.5 dBA	51.5 dBA	50.2 dBA
3.00.00	54.3 dBA	59.7 dBA	56.5 dBA	53.5 dBA	51.3 dBA	50.1 dBA
4.00.00	55.0 dBA	60.3 dBA	57.1 dBA	54.3 dBA	52.3 dBA	51.1 dBA
5.00.00	55.9 dBA	62.5 dBA	57.7 dBA	54.7 dBA	52.8 dBA	51.5 dBA
6.00.00	58.4 dBA	69.0 dBA	59.6 dBA	56.5 dBA	54.3 dBA	53.0 dBA
7.00.00	60.1 dBA	70.8 dBA	61.2 dBA	57.8 dBA	56.0 dBA	55.0 dBA
8.00.00	60.5 dBA	70.1 dBA	62.2 dBA	58.8 dBA	56.3 dBA	55.1 dBA
9.00.00	59.6 dBA	69.5 dBA	61.3 dBA	58.0 dBA	55.7 dBA	54.3 dBA
10.00.00	60.2 dBA	70.0 dBA	62.1 dBA	57.9 dBA	55.5 dBA	54.1 dBA
11.00.00	58.9 dBA	69.3 dBA	60.3 dBA	56.9 dBA	54.8 dBA	53.4 dBA
12.00.00	59.0 dBA	69.7 dBA	60.3 dBA	57.0 dBA	54.9 dBA	53.5 dBA

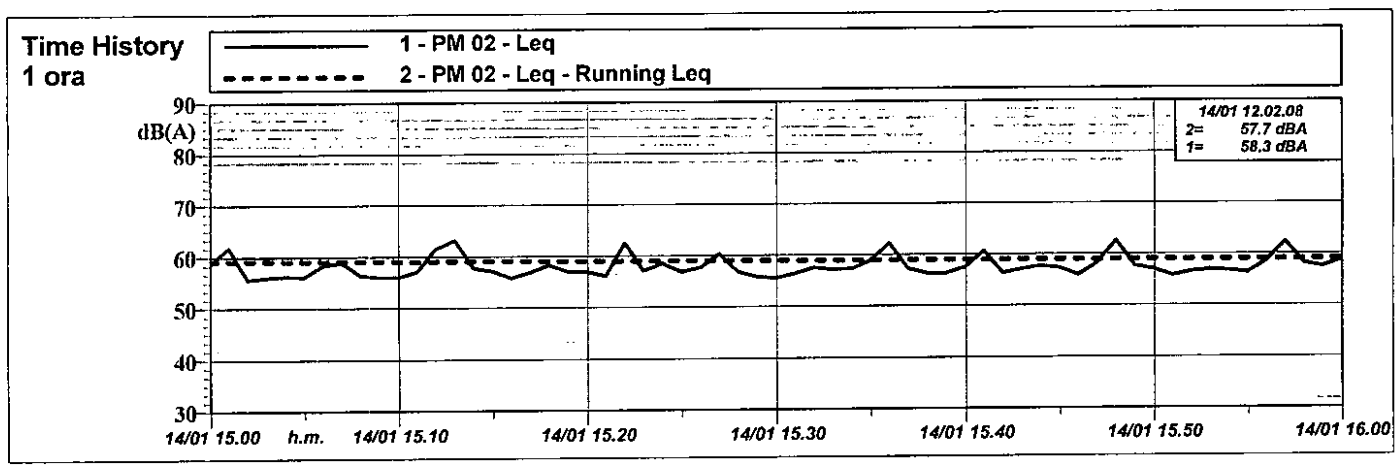
Time History - Periodo misura




Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 13.00.08
2= 59.1 dBA
1= 60.4 dBA
14/01 12.00
h.m.
14/01 12.10
14/01 12.20
14/01 12.30
14/01 12.40
14/01 12.50
14/01 13.00

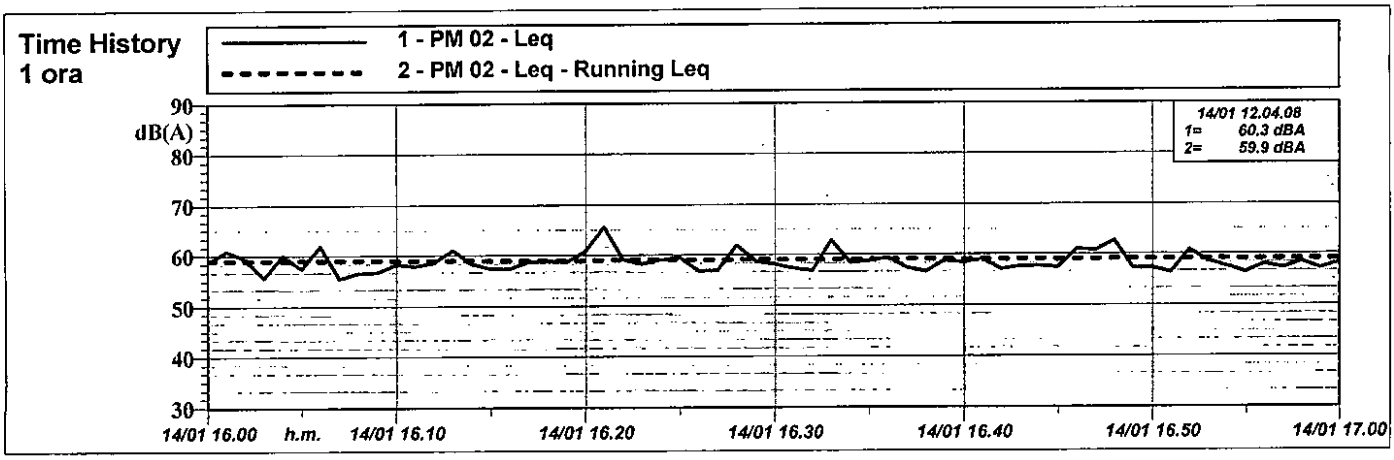

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.08
2= 57.7 dBA
1= 58.3 dBA
14/01 13.00
h.m.
14/01 13.10
14/01 13.20
14/01 13.30
14/01 13.40
14/01 13.50
14/01 14.00

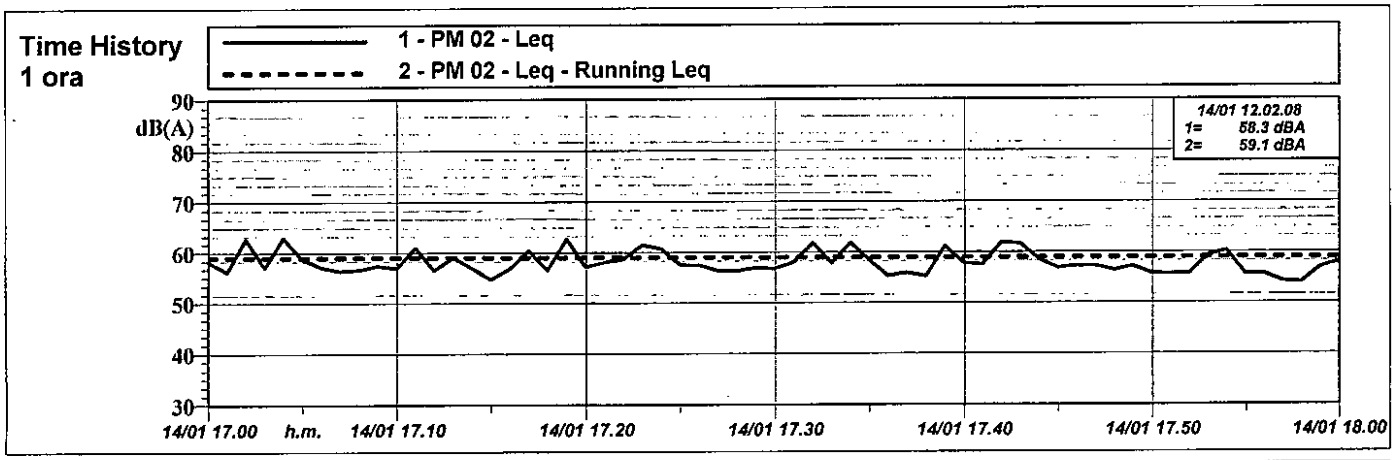

Time History
1 ora
PM 02 - Leq
PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.01.08
59.1 dBA
56.9 dBA
14/01 14.00
h.m.
14/01 14.10
14/01 14.20
14/01 14.30
14/01 14.40
14/01 14.50
14/01 15.00

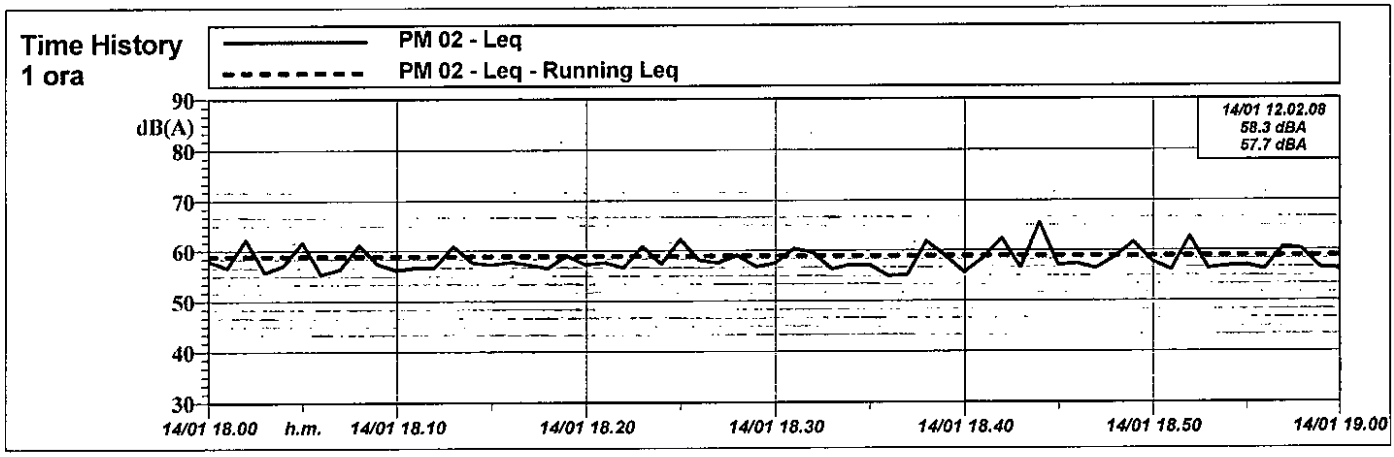

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.08
2= 57.7 dBA
1= 58.3 dBA
14/01 15.00
h.m.
14/01 15.10
14/01 15.20
14/01 15.30
14/01 15.40
14/01 15.50
14/01 16.00

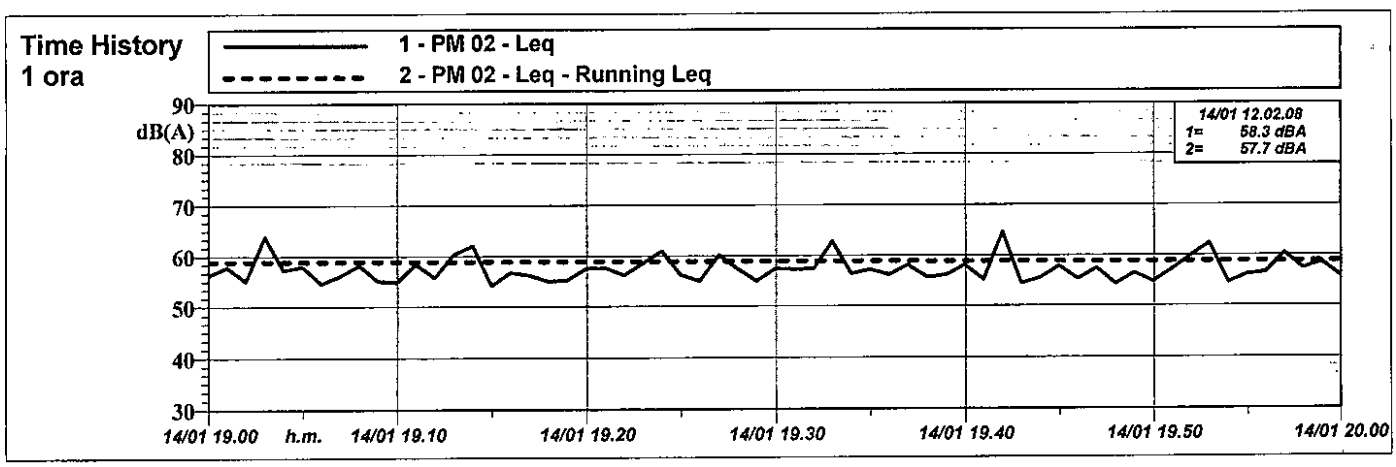
CARATTERIZZAZIONE ACUSTICA

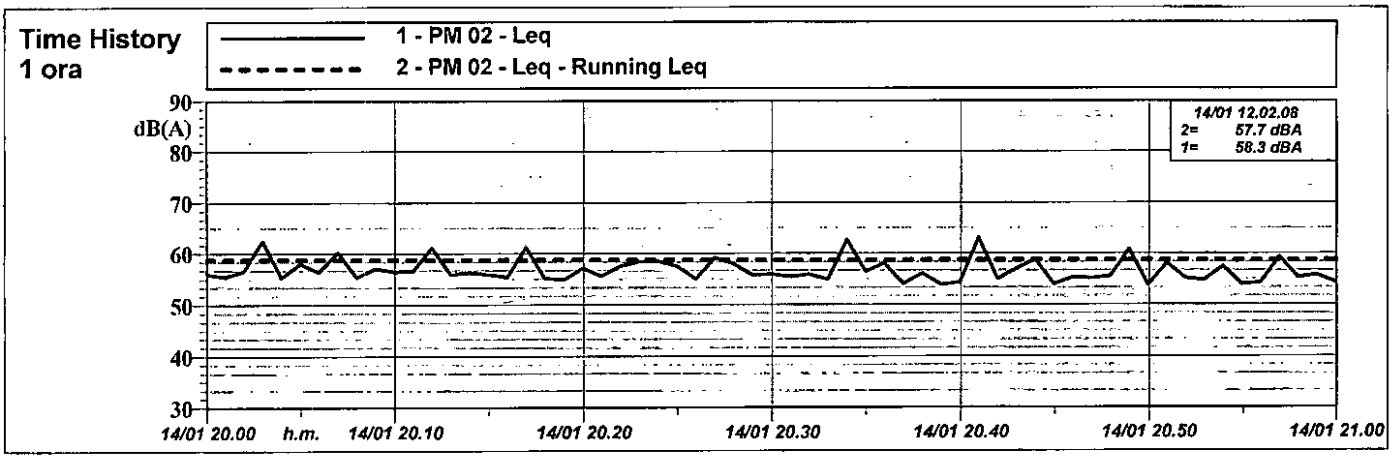
Localizzazione punto di misura e sintesi del rilievo fonometrico

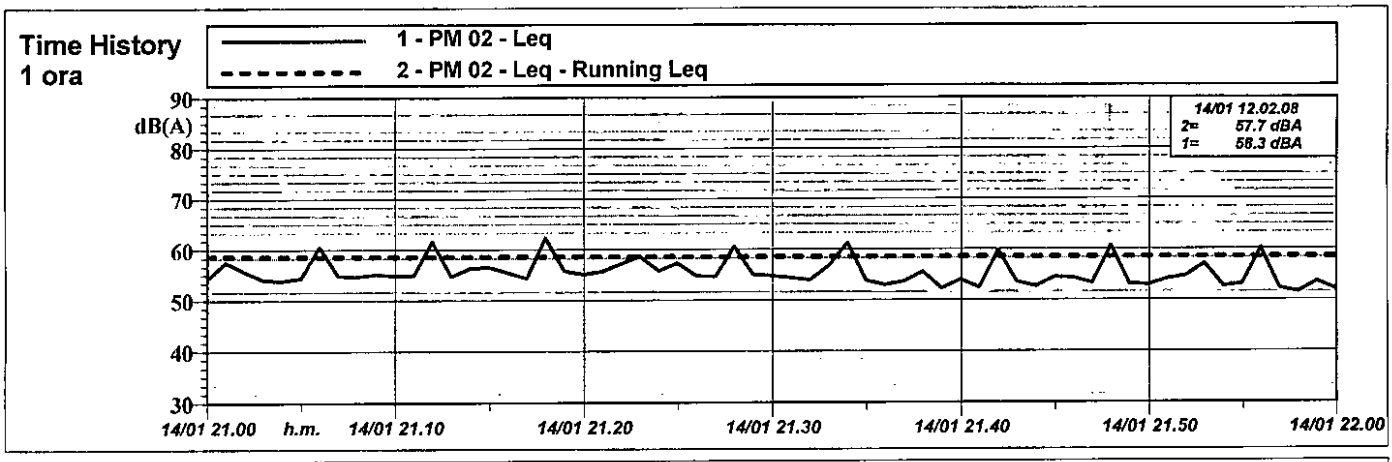


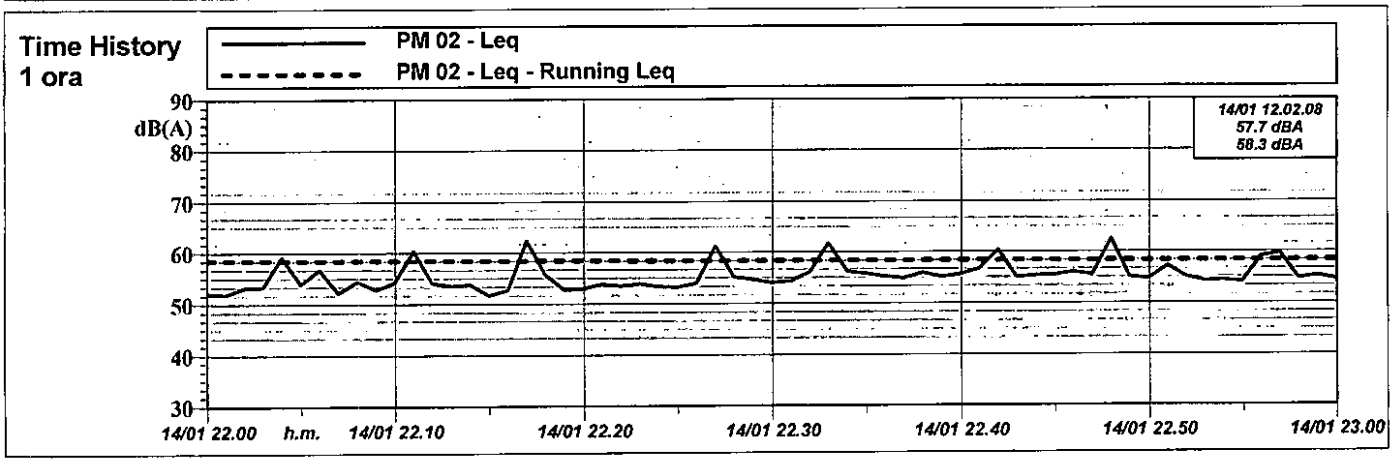


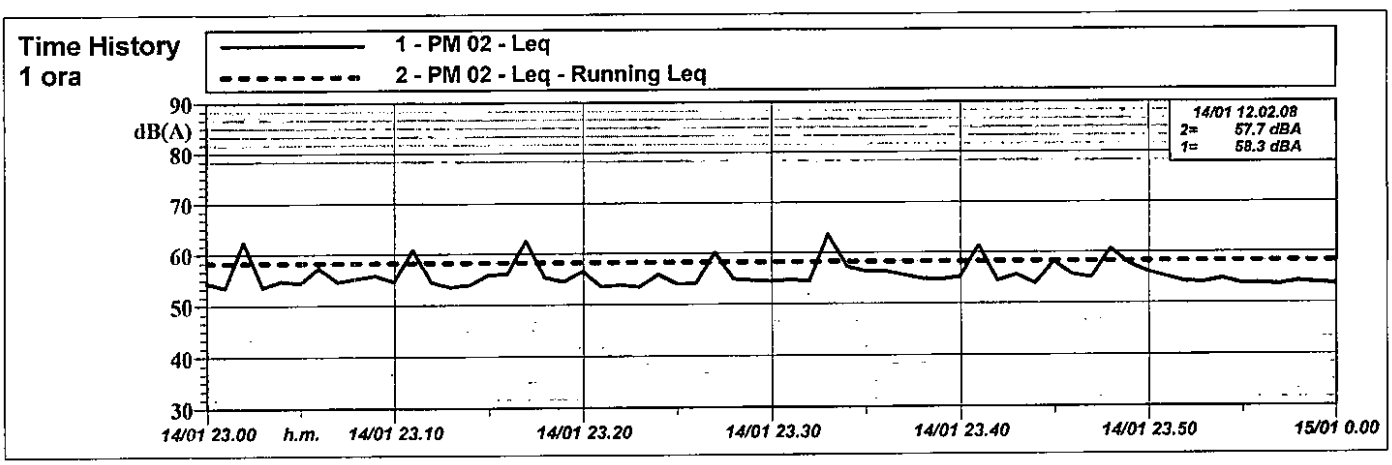





Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.08
2= 57.7 dBA
1= 58.3 dBA
14/01 20.00
h.m.
14/01 20.10
14/01 20.20
14/01 20.30
14/01 20.40
14/01 20.50
14/01 21.00


Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.08
2= 57.7 dBA
1= 58.3 dBA
14/01 21.00
h.m.
14/01 21.10
14/01 21.20
14/01 21.30
14/01 21.40
14/01 21.50
14/01 22.00

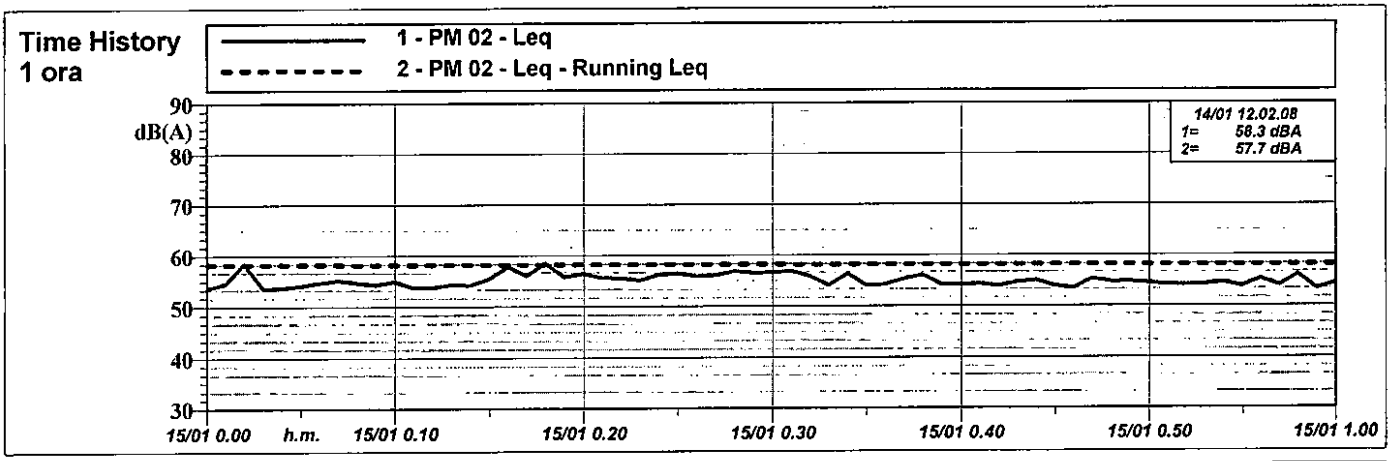

Time History
1 ora
PM 02 - Leq
PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.08
57.7 dBA
58.3 dBA
14/01 22.00
h.m.
14/01 22.10
14/01 22.20
14/01 22.30
14/01 22.40
14/01 22.50
14/01 23.00

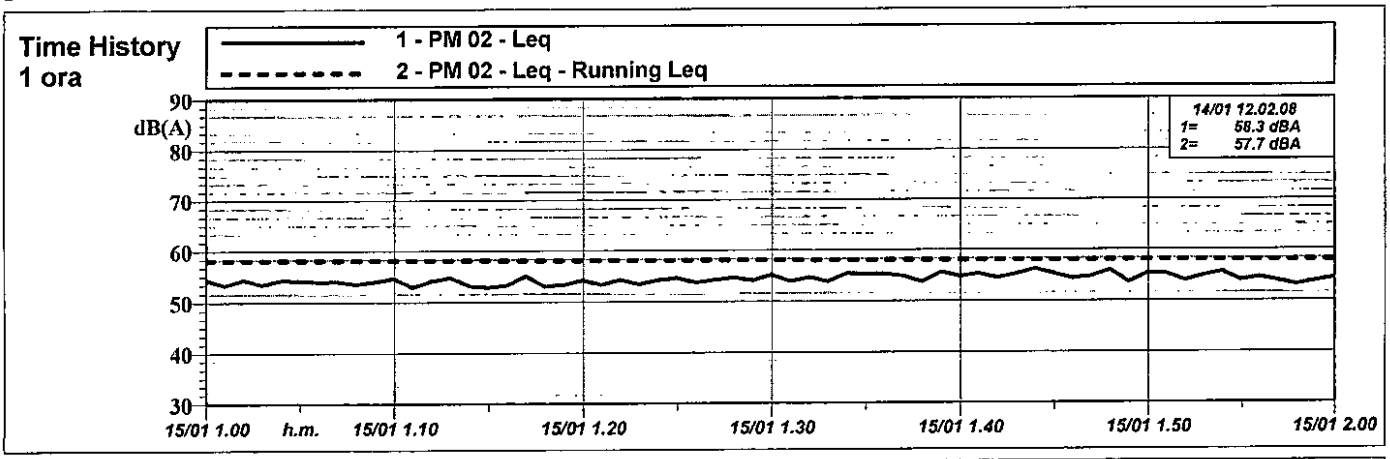

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.08
2= 57.7 dBA
1= 58.3 dBA
14/01 23.00
h.m.
14/01 23.10
14/01 23.20
14/01 23.30
14/01 23.40
14/01 23.50
15/01 0.00

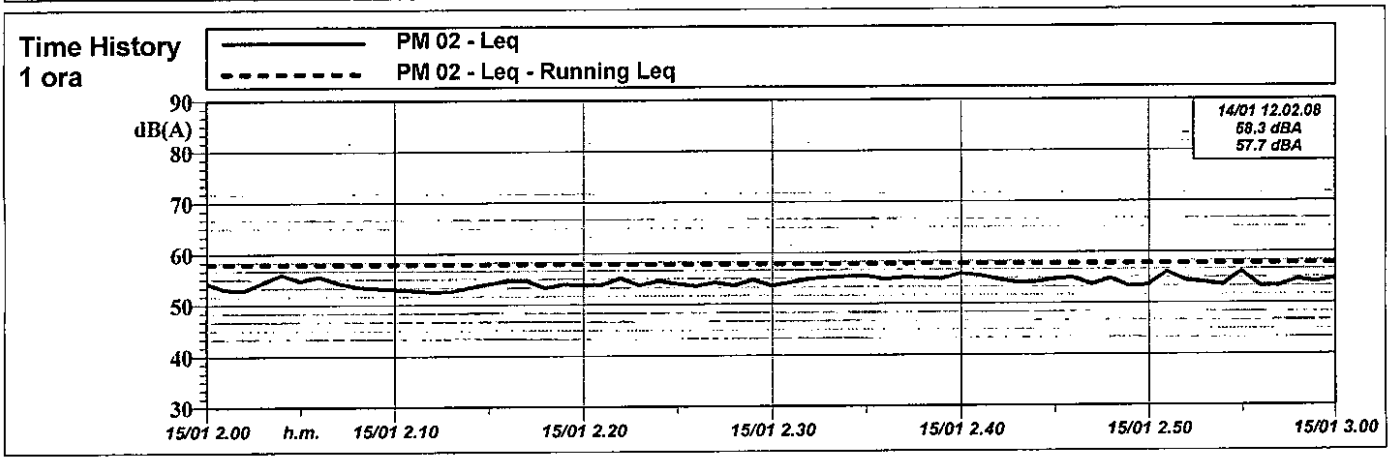
Progettazione Ambientale e Trasporti

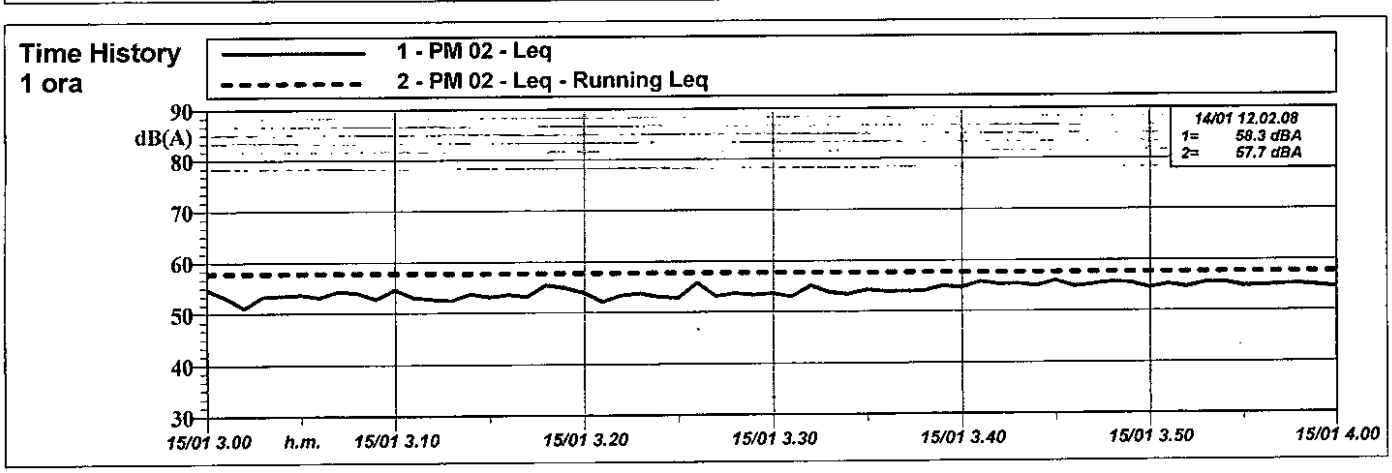
CARATTERIZZAZIONE ACUSTICA

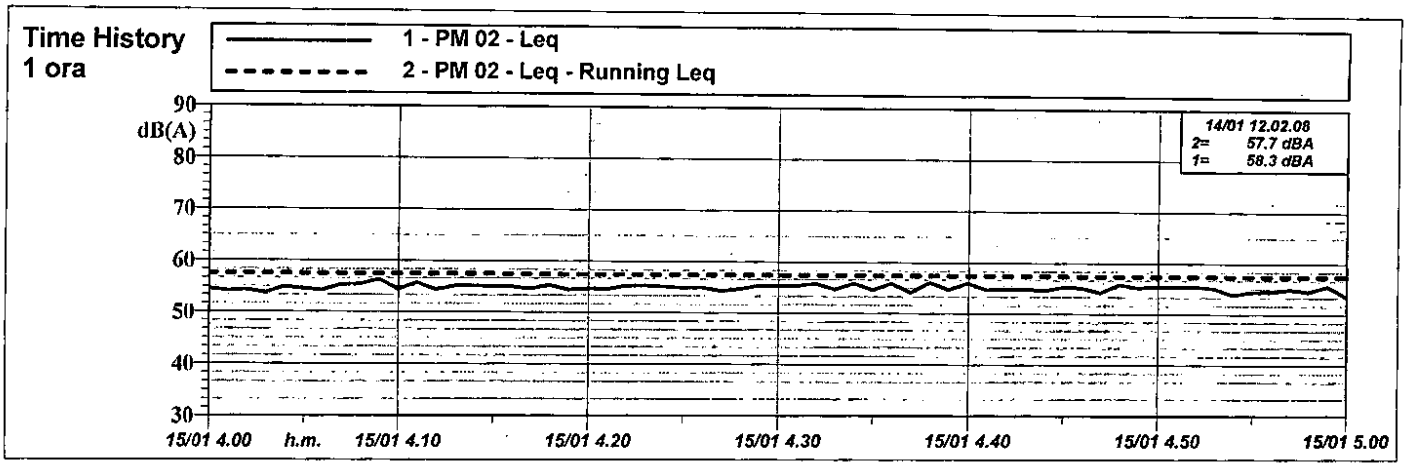
Localizzazione punto di misura e sintesi del rilievo fonometrico

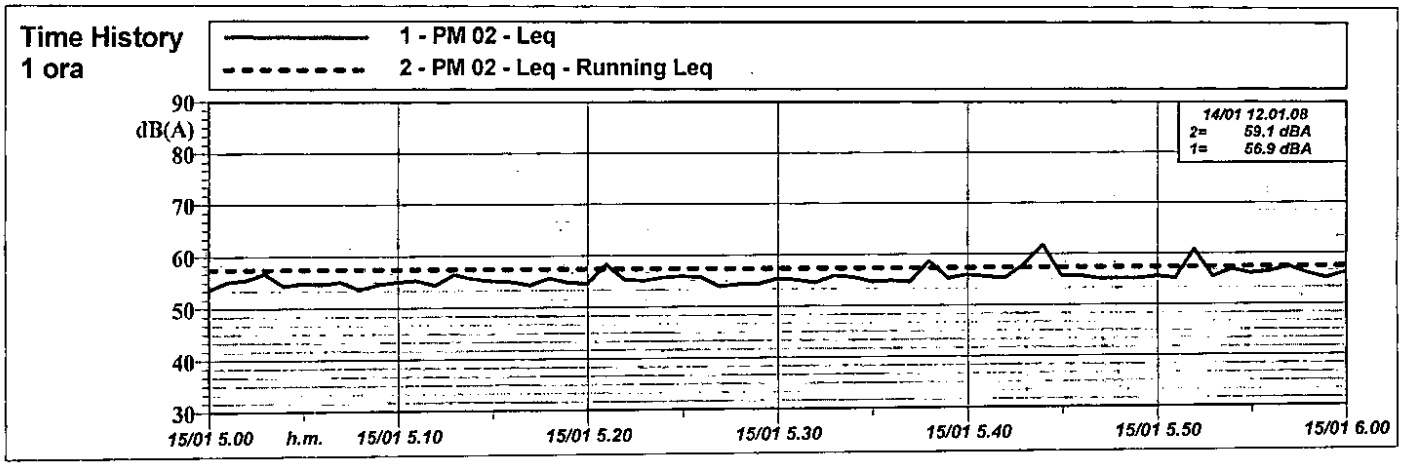


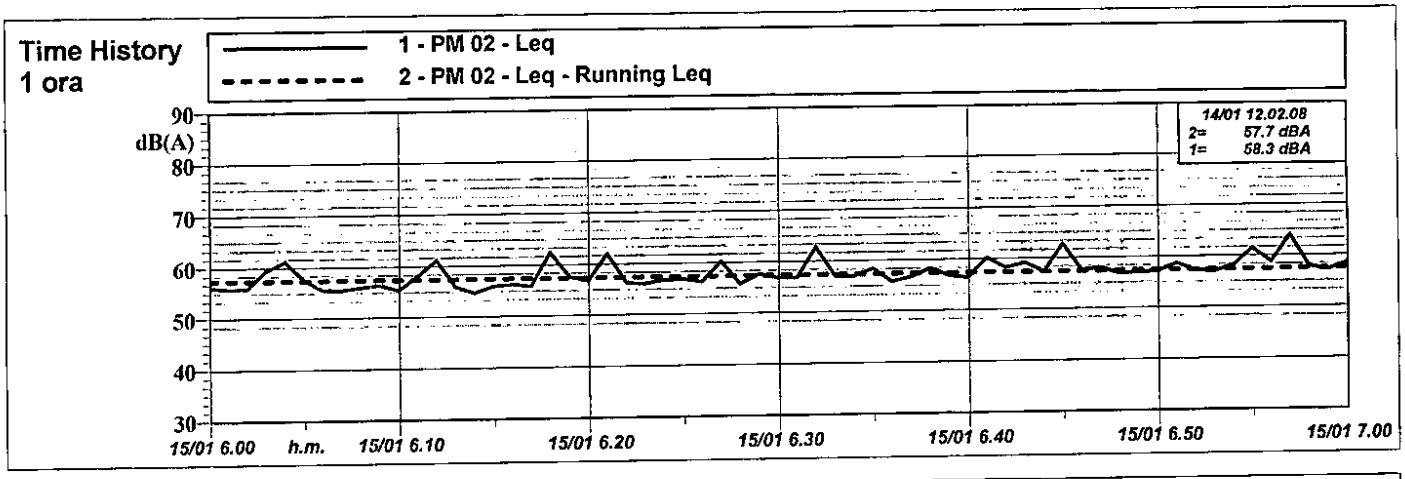


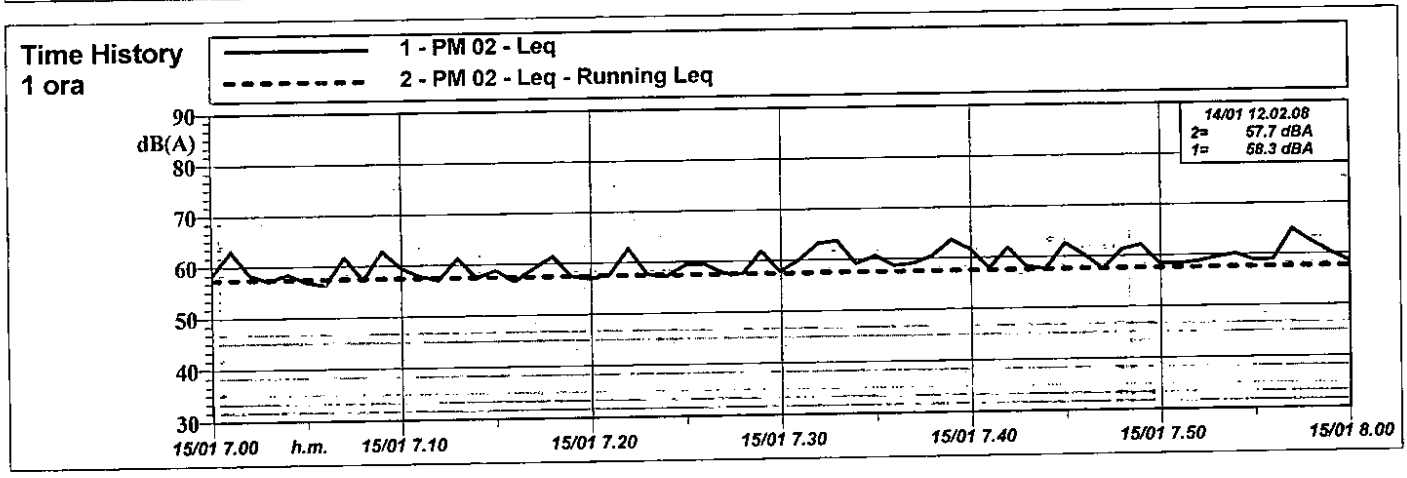


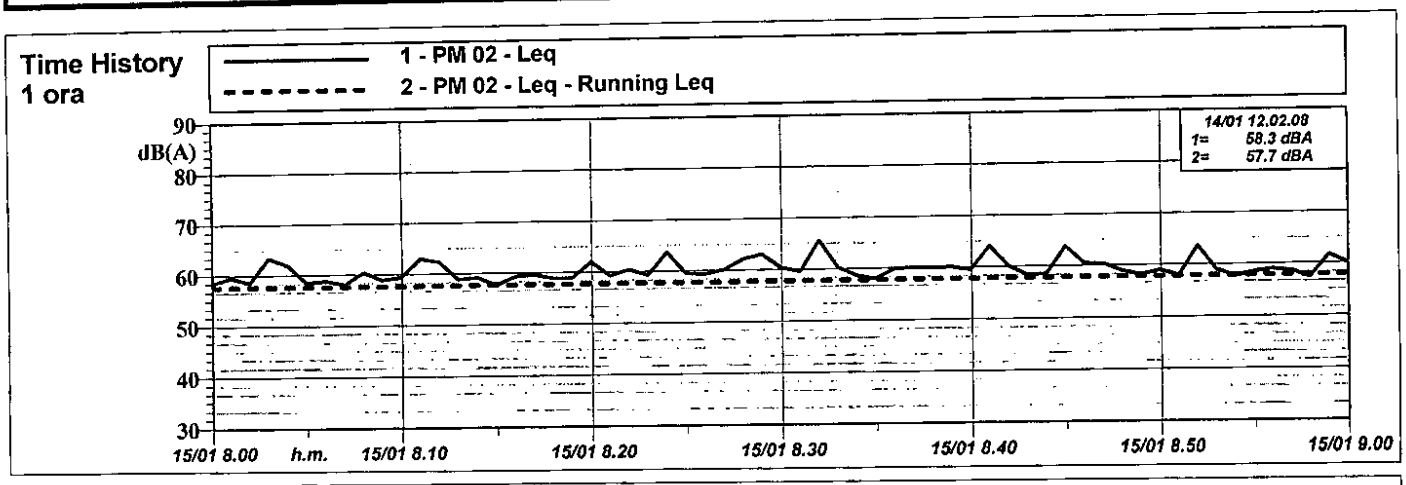


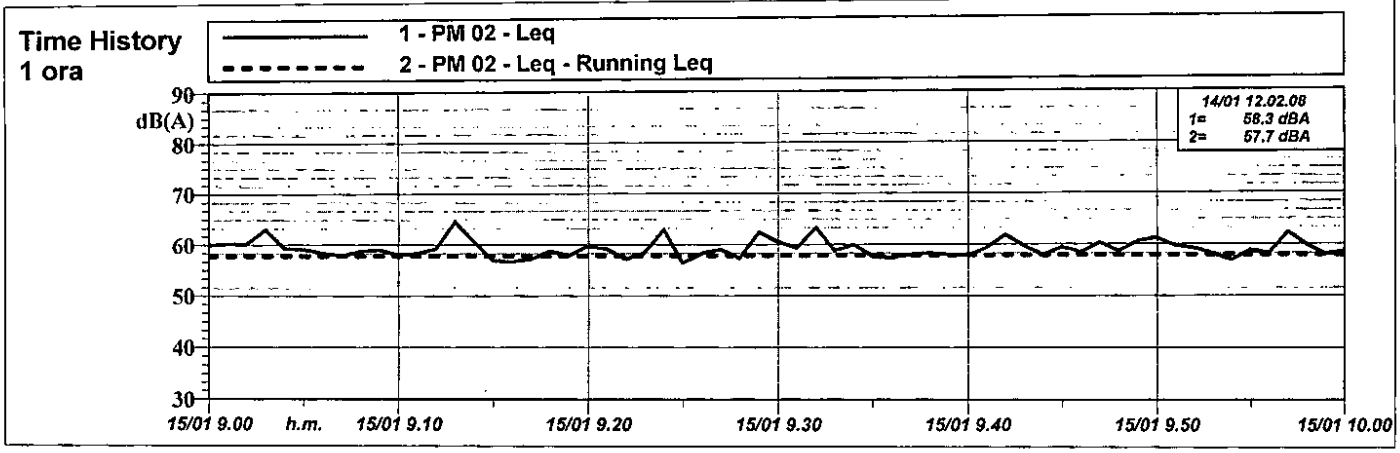

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.08
2= 57.7 dBA
1= 58.3 dBA
15/01 4.00
h.m.
15/01 4.10
15/01 4.20
15/01 4.30
15/01 4.40
15/01 4.50
15/01 5.00

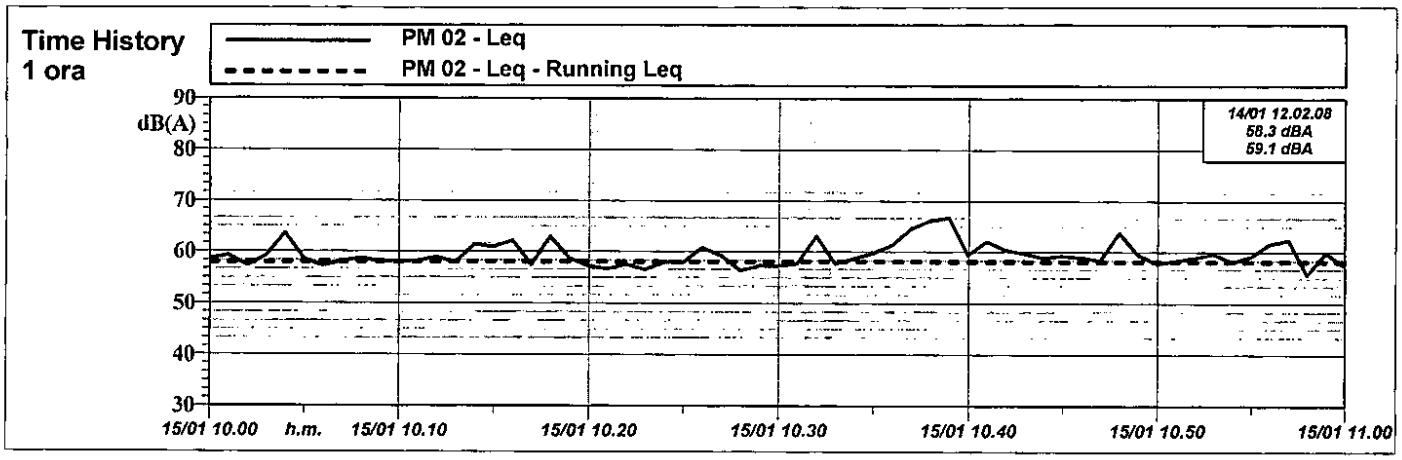

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.01.08
2= 59.1 dBA
1= 56.9 dBA
15/01 5.00
h.m.
15/01 5.10
15/01 5.20
15/01 5.30
15/01 5.40
15/01 5.50
15/01 6.00

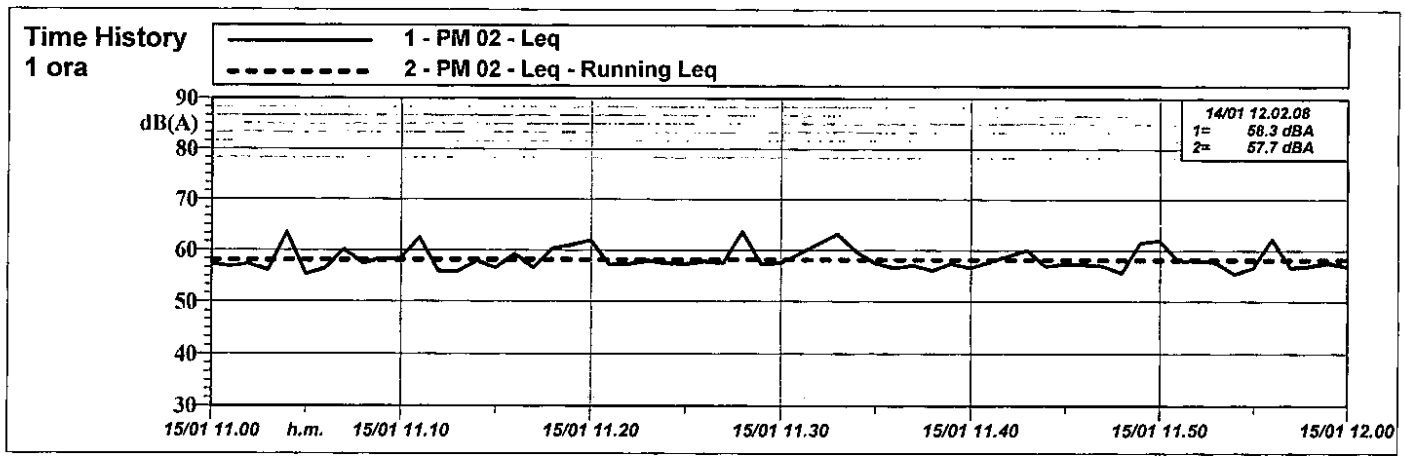

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.08
2= 57.7 dBA
1= 58.3 dBA
15/01 6.00
h.m.
15/01 6.10
15/01 6.20
15/01 6.30
15/01 6.40
15/01 6.50
15/01 7.00


Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
14/01 12.02.08
2= 57.7 dBA
1= 58.3 dBA
15/01 7.00
h.m.
15/01 7.10
15/01 7.20
15/01 7.30
15/01 7.40
15/01 7.50
15/01 8.00


Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
14/01 12.02.08
1= 58.3 dBA
2= 57.7 dBA
dB(A)
90
80
70
60
50
40
30
15/01 8.00
h.m.
15/01 8.10
15/01 8.20
15/01 8.30
15/01 8.40
15/01 8.50
15/01 9.00


Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
14/01 12.02.08
1= 58.3 dBA
2= 57.7 dBA
dB(A)
90
80
70
60
50
40
30
15/01 9.00
h.m.
15/01 9.10
15/01 9.20
15/01 9.30
15/01 9.40
15/01 9.50
15/01 10.00


Time History
1 ora
PM 02 - Leq
PM 02 - Leq - Running Leq
14/01 12.02.08
58.3 dBA
59.1 dBA
dB(A)
90
80
70
60
50
40
30
15/01 10.00
h.m.
15/01 10.10
15/01 10.20
15/01 10.30
15/01 10.40
15/01 10.50
15/01 11.00


Time History
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1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
14/01 12.02.08
1= 58.3 dBA
2= 57.7 dBA
dB(A)
90
80
70
60
50
40
30
15/01 11.00
h.m.
15/01 11.10
15/01 11.20
15/01 11.30
15/01 11.40
15/01 11.50
15/01 12.00

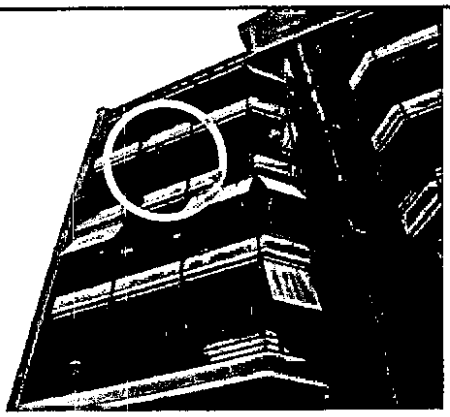
ANALISI ECONOMICA PER L'ESTENSIONE DEL SERVIZIO DI TELERAFFRESCAMENTO AL COMPRENSORIO TORRINO UNO COMPARTO "A" - FLAT

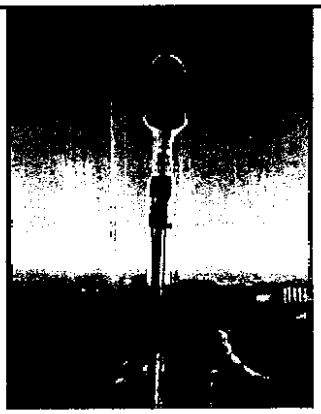
			2010	1 2011	2 2012	3 2013	4 2014	5 2015	6 2016	7 2017	8 2018	9 2019	10 2020	11 2021	12 2022	13 2023	14 2024	15 2025
INVESTIMENTI		€	49.100	98.800	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rete distribuzione			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Centrale termica/frigorifera			49.000	103.850	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Progettazione esecutiva			5.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Imprevisti	5%		0	5.050	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ribasso di gara	10%		4.900	10.100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RICAVI		€	0	90.000	15.960	15.960	15.960	15.960	15.960	15.960	15.960	15.960	15.960	15.960	15.960	15.960	15.960	15.960
EF Quota variabile			0	0	8.085	8.085	8.085	8.085	8.085	8.085	8.085	8.085	8.085	8.085	8.085	8.085	8.085	8.085
EF Quota Fissa			0	0	7.875	7.875	7.875	7.875	7.875	7.875	7.875	7.875	7.875	7.875	7.875	7.875	7.875	7.875
Contributi allacciamento			0	90.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COSTI		€	0	148	3.863	3.863	3.863	6.863	3.863	3.863	6.863	3.863	3.863	6.863	3.863	3.863	6.863	3.863
Costi di produzione			0	0	873	873	873	873	873	873	873	873	873	873	873	873	873	873
Costi di pompaggio			0	0	342	342	342	342	342	342	342	342	342	342	342	342	342	342
Manutenzione ed esercizio			0	0	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500
Manutenzione straordinaria			0	0	0	0	0	3.000	0	0	3.000	0	0	3.000	0	0	3.000	0
Costi generali			0	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148
MARGINE OPERATIVO LORDO		€	0	89.852	12.097	12.097	12.097	9.097	12.097	12.097	9.097	12.097	12.097	9.097	12.097	12.097	9.097	12.097
REDDITO IMPONIBILE		€	0	79.992	2.237	2.237	2.237	-763	2.237	2.237	-763	2.237	2.237	-763	2.237	2.237	-763	2.237
Ammortamenti			0	9.860	9.860	9.860	9.860	9.860	9.860	9.860	9.860	9.860	9.860	9.860	9.860	9.860	9.860	9.860
MARGINE FINANZIARIO		€	0	63.455	11.264	11.359	11.359	9.097	11.359	11.359	9.097	11.359	11.359	9.097	11.359	11.359	9.097	11.359
Imposta su utile	33,00%		0	26.397	738	738	738	0	738	738	0	738	738	0	738	738	0	738
IRAP	4,25%		0	95	95	95	0	95	95	0	95	95	0	95	95	0	95	0
FLUSSI DI CASSA		€	-49.100	-35.345	11.264	11.359	11.359	9.097	11.359	11.359	9.097	11.359	11.359	9.097	11.359	11.359	9.097	11.359
FLUSSO DI CASSA CUMULATO		€	-49.100	-84.445	-73.181	-61.823	-50.464	-41.367	-30.008	-18.649	-9.552	1.807	13.166	22.263	33.622	44.981	54.078	65.437

TASSO ATTUALIZ.	4,50 %
INVESTIMENTO	147.900,00 €
V.A.N	21.137,86 €
T.I.R.	8,06 %
TEMPO DI RITORNO	8 Y

Progettazioni Ambiente e Trasporti	ACEA – IMPIANTO DI TOR DI VALLE Schede di rilevamento fonometrico

Tipo rilievo:	Monitoraggio acustico in ambiente esterno			**Punto di misura:**	**PM01**
Regione:	Lazio	**Provincia:**	Roma	**Comune:**	Roma
Localizzazione:	Via Nanchino, 26/28 (Quartiere Torrino)			**Zonizzazione:**	
Descrizione:	Il punto di misura è situato al 4° piano del fabbricato e alla distanza pari a circa 570 m dall'impianto ACEA.				
Data inizio misura:	28/01/10	**Data fine misura:**	29/01/10	**Tecnico competente:**	Ing. Tiziana Bastianello Regione Lazio n. 270
Ora inizio misura:	12:00:00	**Ora fine misura:**	12:00:00		



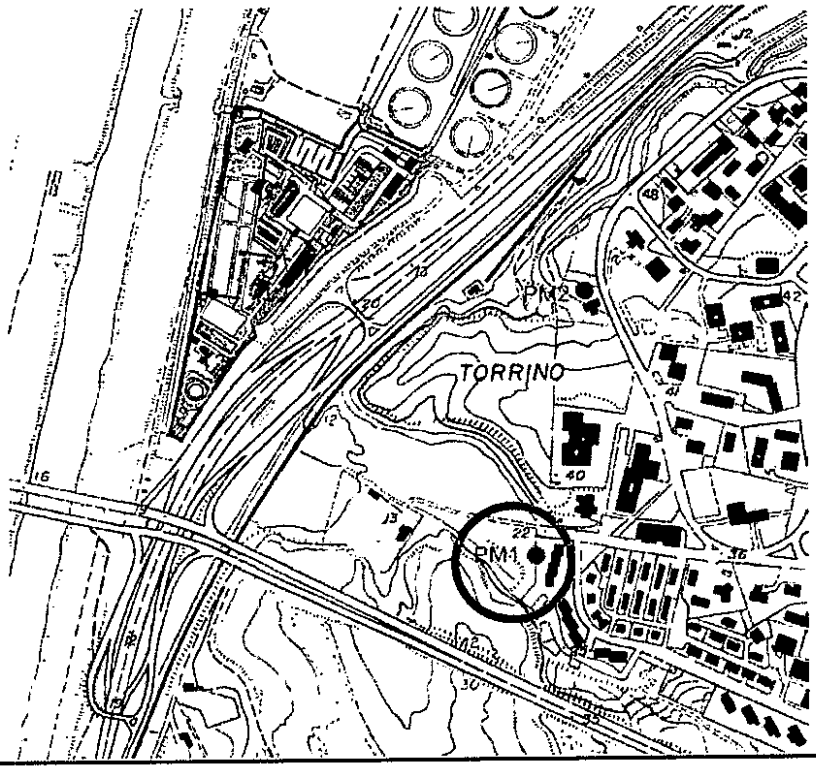


SINTESI ELABORAZIONE ACUSTICA				
	Media impianto acceso		Media impianto spento	
	giorno	notte	giorno	notte
L_{Aeq}	55,1	49,5	-	-
L_{99}	46,9	43,7	-	-

SINTESI PARAMETRI METEO		
	Min	Max
Temperatura [°C]	-1	5,5
Umidità [%]	84	86
Vento V [m/s]/ dir. [°]	< 1,5 / var.	
Pioggia [mm]	assente	

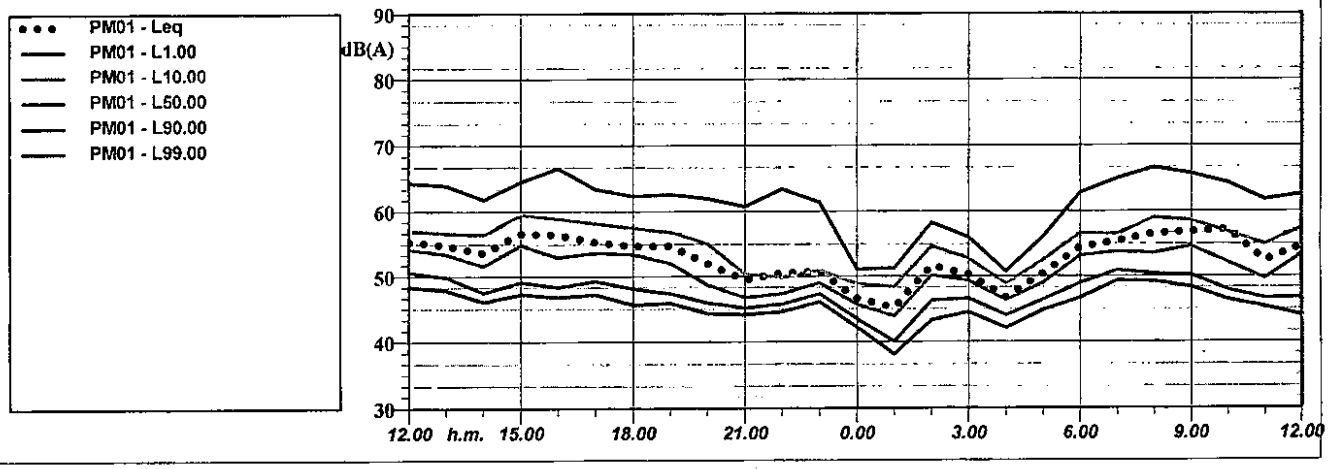
NOTE:	Il clima acustico è caratterizzato da un rumore continuo di sottofondo della centrale. Ulteriori sorgenti sono il GRA (170 m) e la linea ferroviaria e la adiacente via del Mare (410 m). La TG2 è rimasta accesa per tutto il periodo di misura.

UBICAZIONE PUNTO DI MISURA



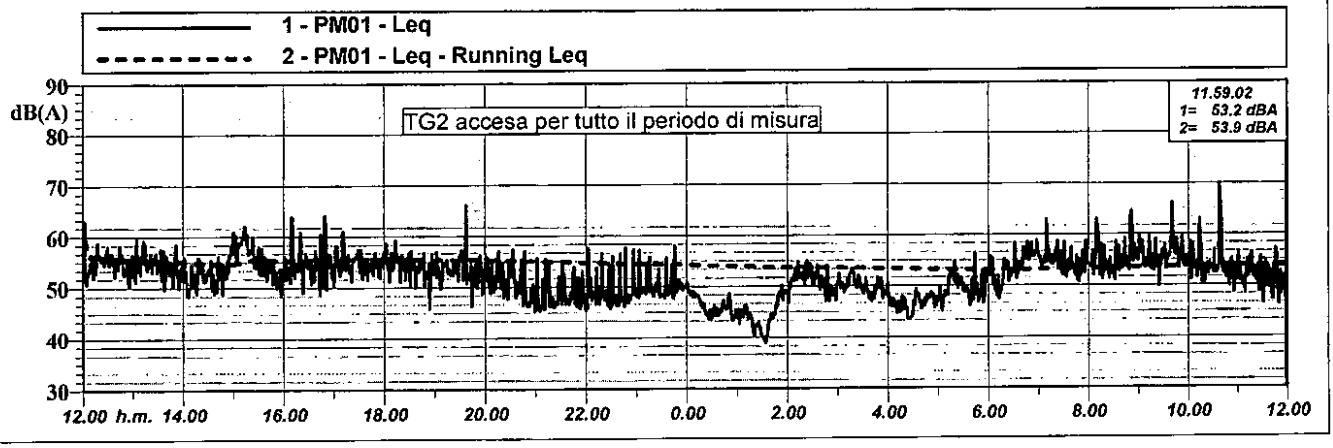
Stralcio planimetrico

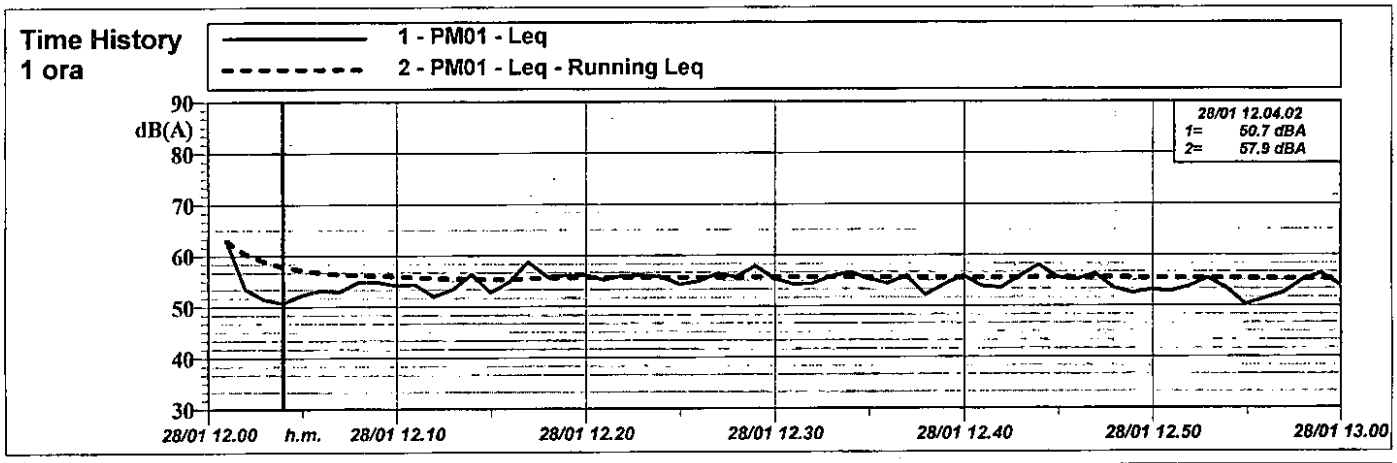
Intervalli orari - Leq e dei Livelli percentili

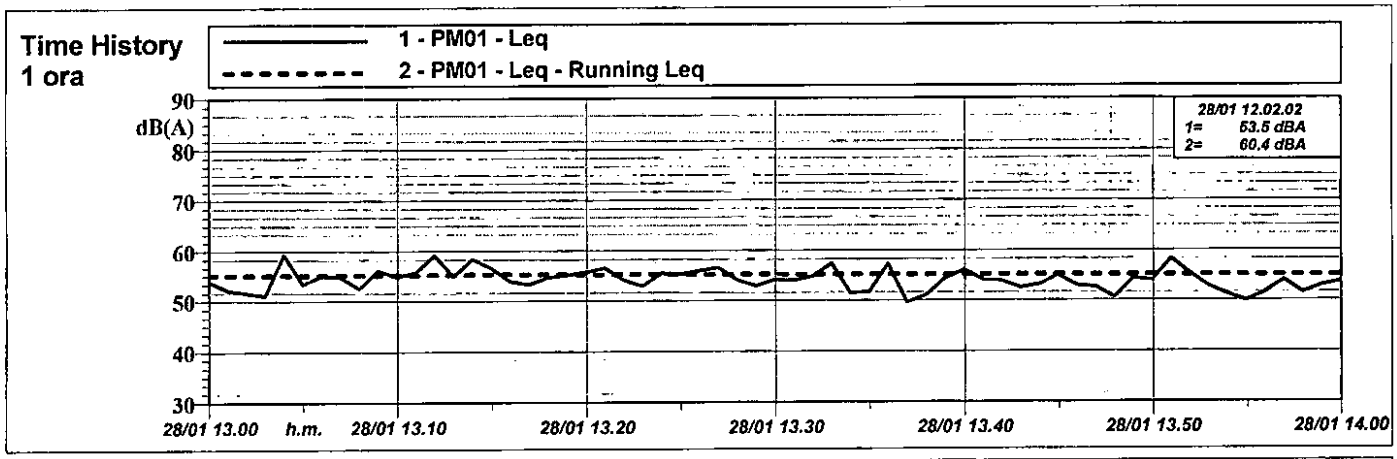


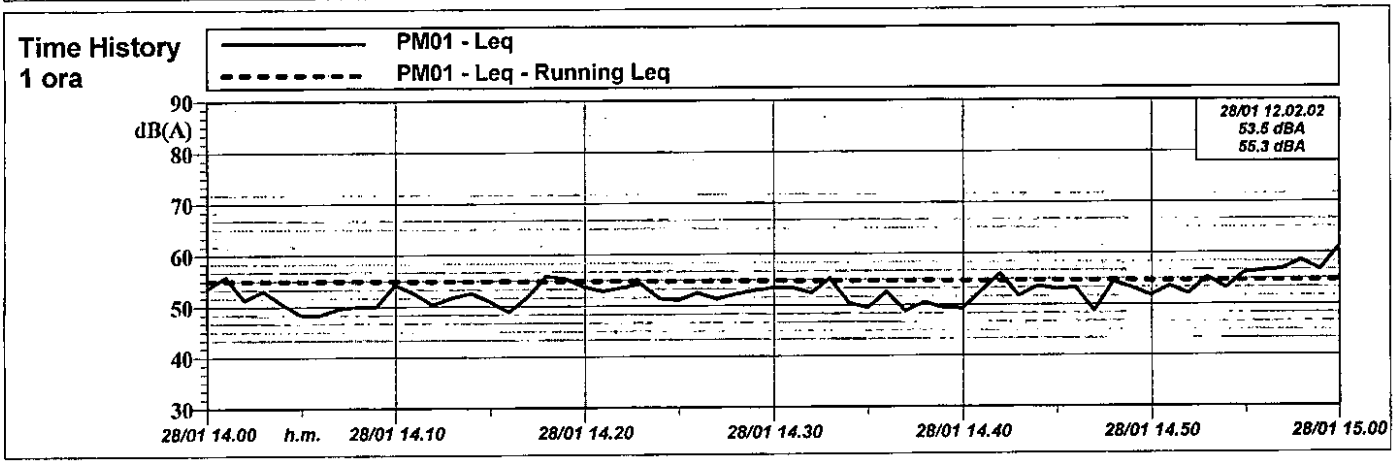
	LEQ	L1	L10	L50	L90	L99
12.00.00	55.3 dBA	64.3 dBA	57.0 dBA	54.2 dBA	50.6 dBA	48.4 dBA
13.00.00	54.8 dBA	64.0 dBA	56.7 dBA	53.5 dBA	49.9 dBA	47.9 dBA
14.00.00	53.6 dBA	61.8 dBA	56.4 dBA	51.6 dBA	47.5 dBA	46.0 dBA
15.00.00	56.6 dBA	64.5 dBA	59.5 dBA	54.8 dBA	49.1 dBA	47.2 dBA
16.00.00	56.4 dBA	66.6 dBA	58.9 dBA	52.9 dBA	48.3 dBA	46.8 dBA
17.00.00	55.3 dBA	63.4 dBA	58.1 dBA	53.6 dBA	49.2 dBA	47.2 dBA
18.00.00	54.6 dBA	62.3 dBA	57.4 dBA	53.4 dBA	48.1 dBA	45.6 dBA
19.00.00	54.7 dBA	62.5 dBA	56.8 dBA	52.0 dBA	47.4 dBA	45.9 dBA
20.00.00	51.9 dBA	61.9 dBA	55.0 dBA	48.7 dBA	45.9 dBA	44.3 dBA
21.00.00	49.5 dBA	60.7 dBA	50.4 dBA	46.7 dBA	45.2 dBA	44.1 dBA
22.00.00	50.5 dBA	63.4 dBA	49.8 dBA	47.3 dBA	45.7 dBA	44.6 dBA
23.00.00	50.7 dBA	61.3 dBA	51.0 dBA	49.0 dBA	47.3 dBA	46.1 dBA
0.00.00	46.5 dBA	51.1 dBA	48.8 dBA	45.6 dBA	43.4 dBA	42.2 dBA
1.00.00	45.2 dBA	51.2 dBA	48.4 dBA	43.8 dBA	40.0 dBA	38.1 dBA
2.00.00	51.6 dBA	58.2 dBA	54.7 dBA	50.1 dBA	46.3 dBA	43.3 dBA
3.00.00	50.2 dBA	55.9 dBA	52.7 dBA	49.3 dBA	46.6 dBA	44.5 dBA
4.00.00	46.7 dBA	50.7 dBA	48.8 dBA	46.3 dBA	44.0 dBA	42.1 dBA
5.00.00	50.3 dBA	56.0 dBA	52.5 dBA	48.9 dBA	46.4 dBA	44.8 dBA
6.00.00	54.4 dBA	62.7 dBA	56.6 dBA	53.1 dBA	48.9 dBA	46.6 dBA
7.00.00	55.3 dBA	64.9 dBA	56.4 dBA	53.7 dBA	50.9 dBA	49.3 dBA
8.00.00	56.5 dBA	66.6 dBA	59.0 dBA	53.5 dBA	50.4 dBA	49.1 dBA
9.00.00	56.8 dBA	65.7 dBA	58.5 dBA	54.5 dBA	50.2 dBA	48.3 dBA
10.00.00	57.1 dBA	64.2 dBA	56.7 dBA	52.1 dBA	47.9 dBA	46.4 dBA
11.00.00	52.4 dBA	61.7 dBA	54.9 dBA	49.6 dBA	46.6 dBA	45.3 dBA
12.00.00	54.6 dBA	62.5 dBA	57.4 dBA	53.2 dBA	46.7 dBA	44.0 dBA

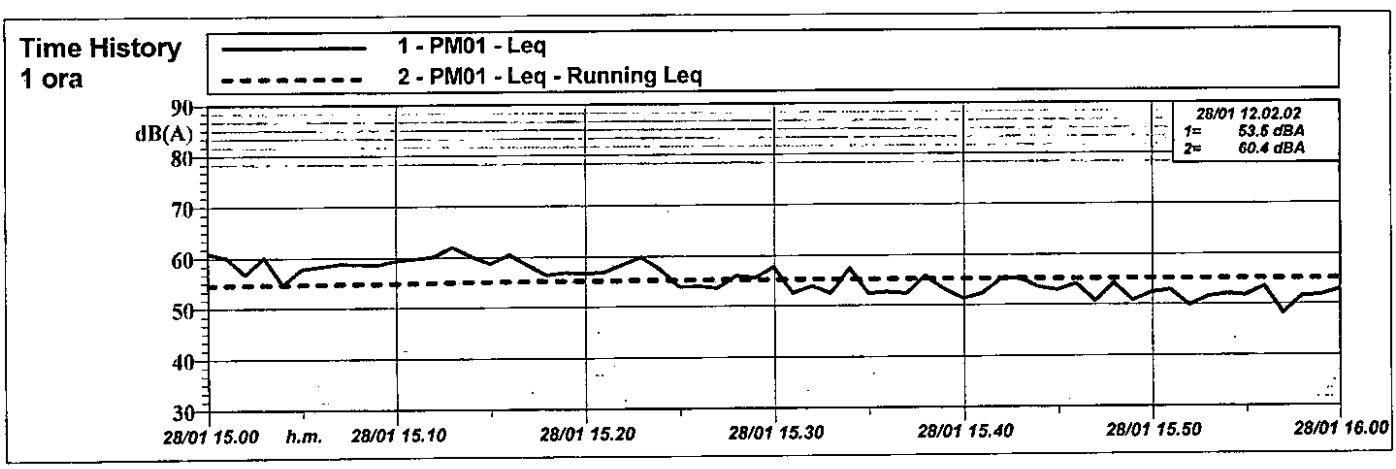
Time History - Periodo misura

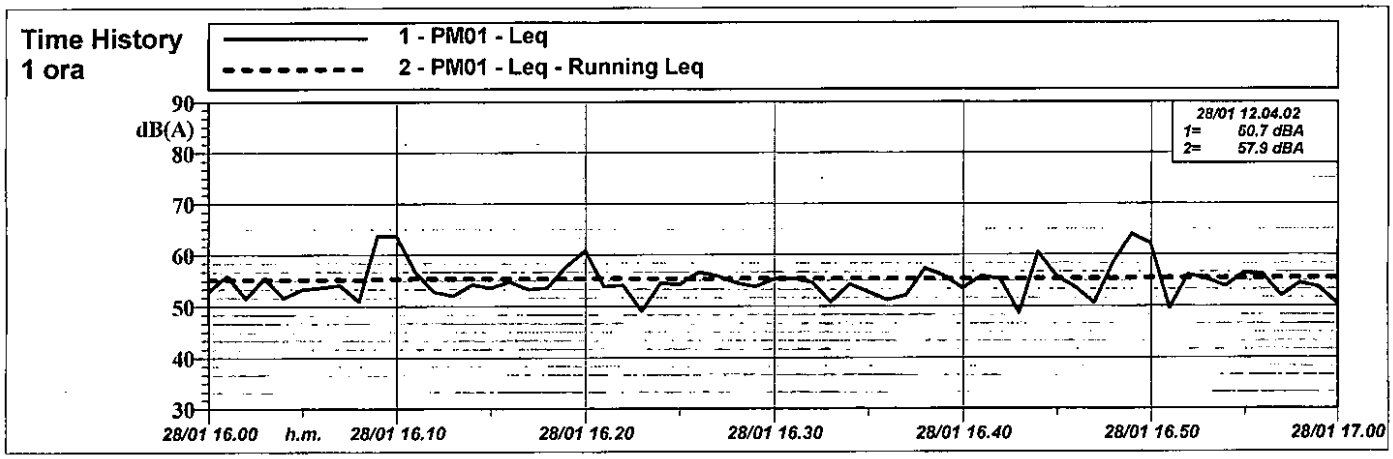


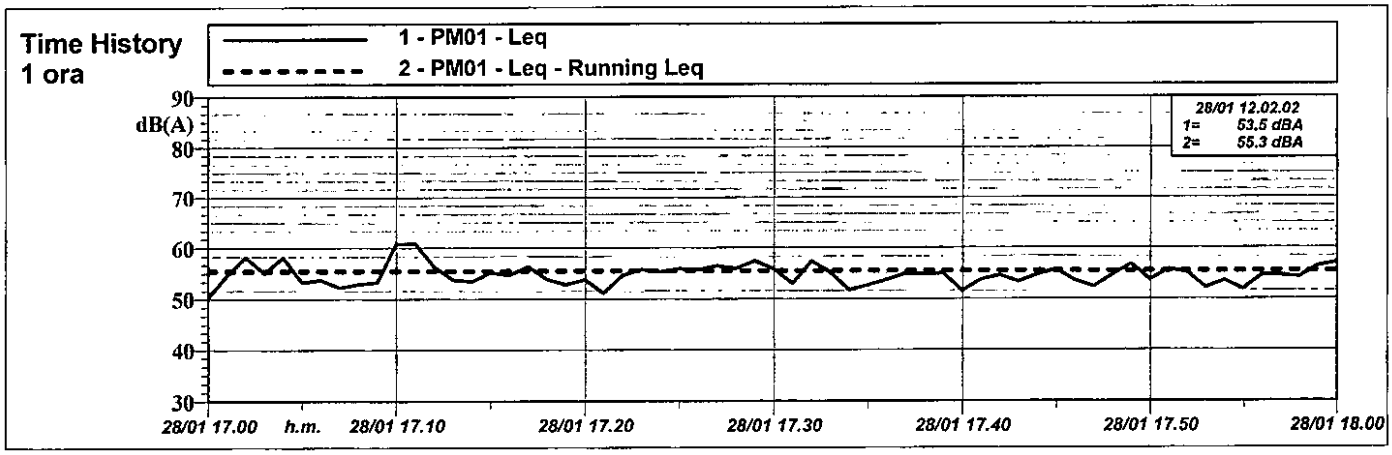

Time History
1 ora
1 - PM01 - Leq
2 - PM01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.04.02
1= 50.7 dBA
2= 57.9 dBA
28/01 12.00
h.m.
28/01 12.10
28/01 12.20
28/01 12.30
28/01 12.40
28/01 12.50
28/01 13.00

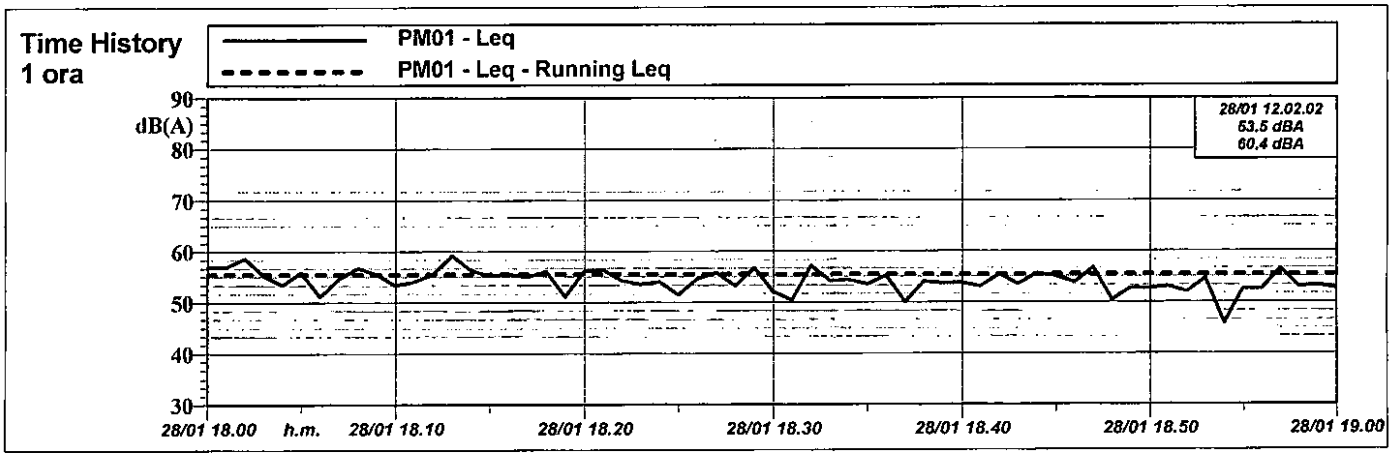

Time History
1 ora
1 - PM01 - Leq
2 - PM01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.02
1= 53.5 dBA
2= 60.4 dBA
28/01 13.00
h.m.
28/01 13.10
28/01 13.20
28/01 13.30
28/01 13.40
28/01 13.50
28/01 14.00

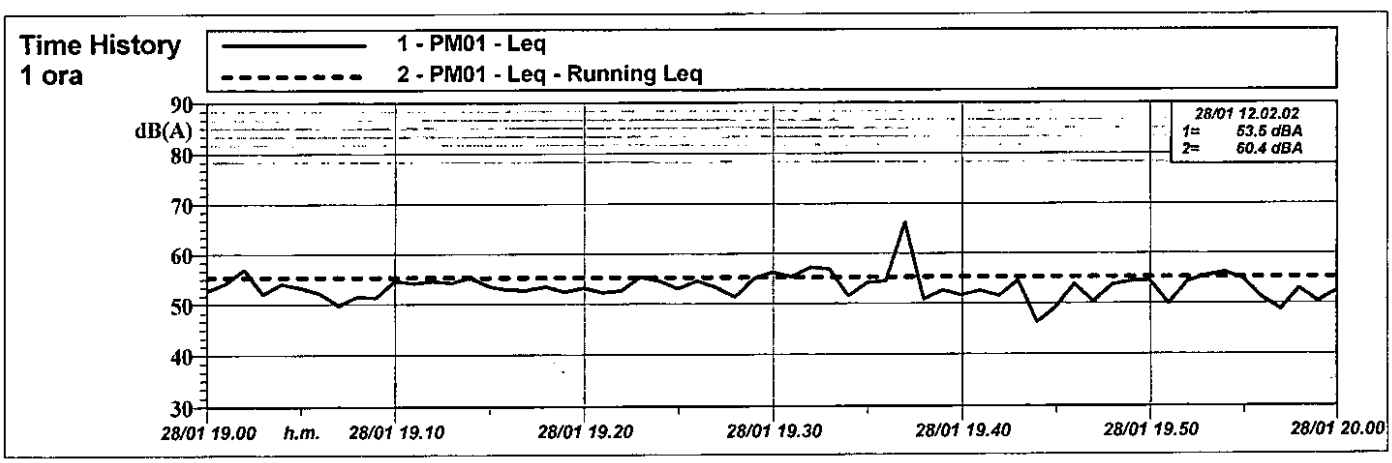

Time History
1 ora
PM01 - Leq
PM01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.02
53.5 dBA
55.3 dBA
28/01 14.00
h.m.
28/01 14.10
28/01 14.20
28/01 14.30
28/01 14.40
28/01 14.50
28/01 15.00

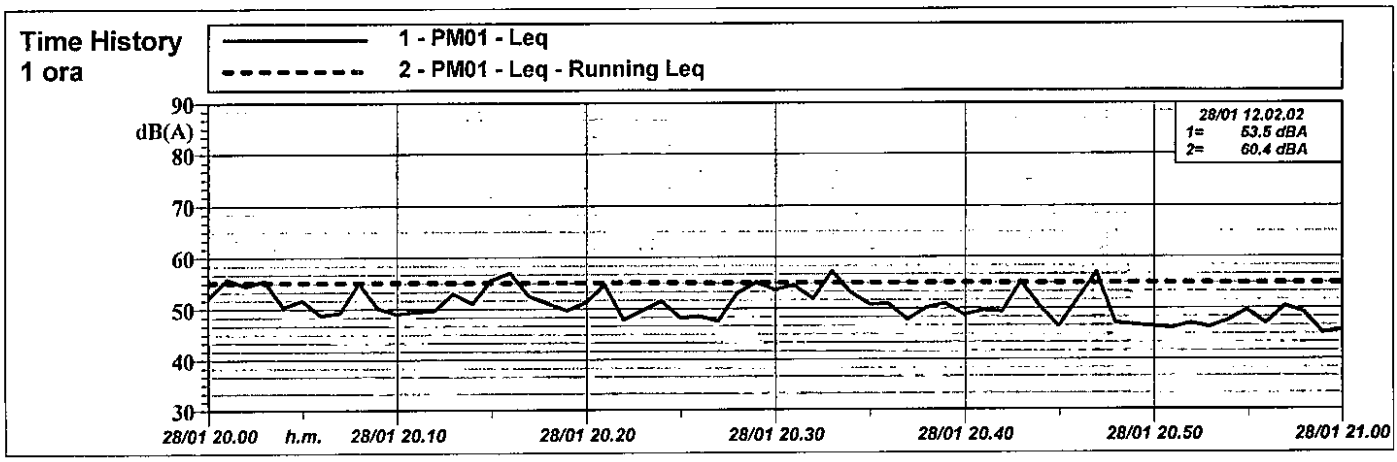

Time History
1 ora
1 - PM01 - Leq
2 - PM01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.02
1= 53.5 dBA
2= 60.4 dBA
28/01 15.00
h.m.
28/01 15.10
28/01 15.20
28/01 15.30
28/01 15.40
28/01 15.50
28/01 16.00

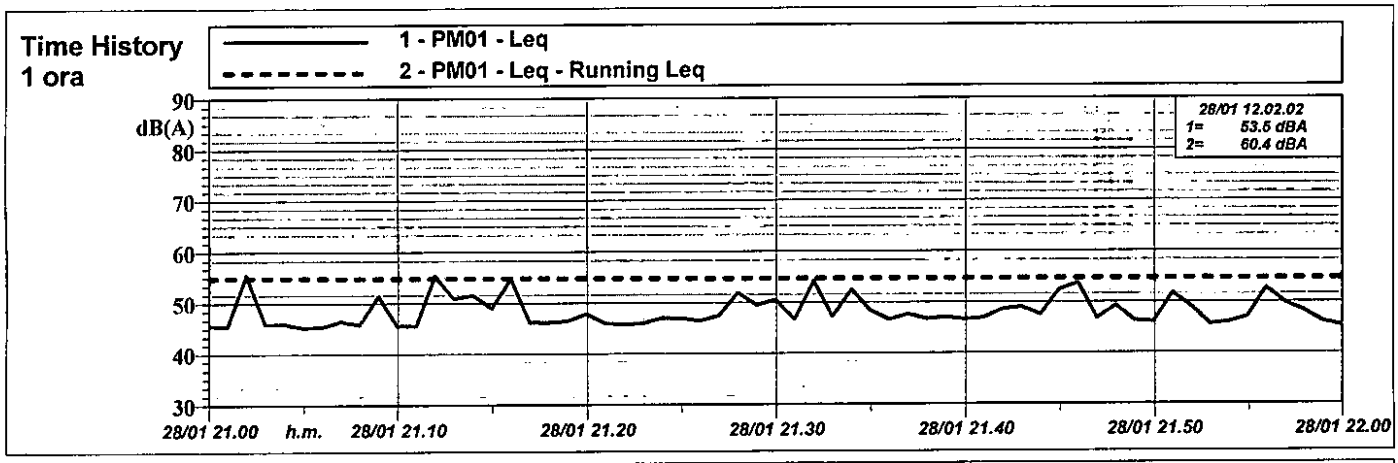

Time History
1 ora
1 - PM01 - Leq
2 - PM01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.04.02
1= 60.7 dBA
2= 57.9 dBA
28/01 16.00
h.m.
28/01 16.10
28/01 16.20
28/01 16.30
28/01 16.40
28/01 16.50
28/01 17.00

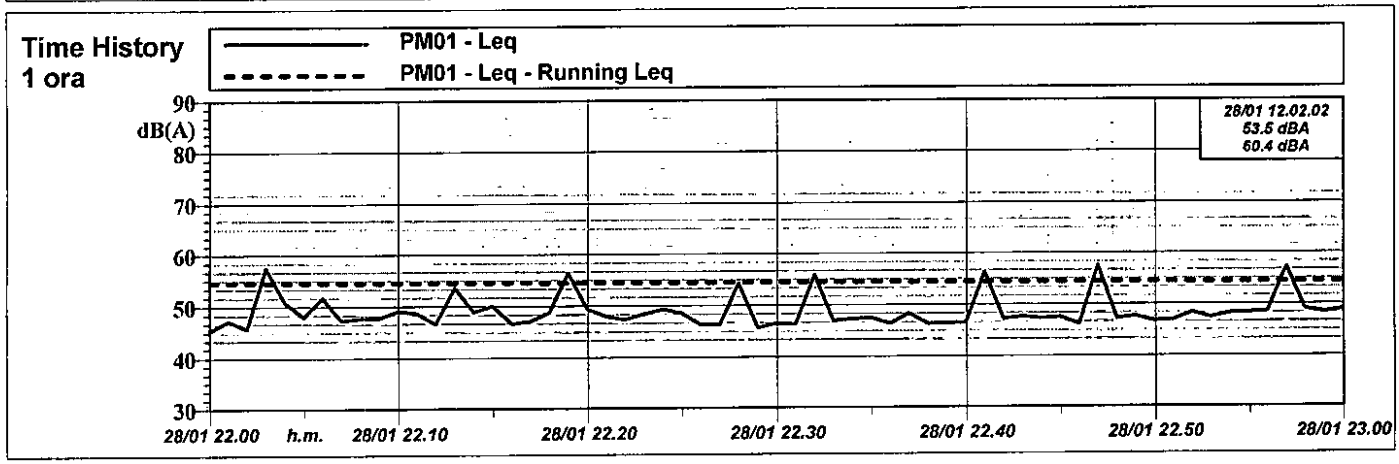

Time History
1 ora
1 - PM01 - Leq
2 - PM01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.02
1= 53.5 dBA
2= 55.3 dBA
28/01 17.00
h.m.
28/01 17.10
28/01 17.20
28/01 17.30
28/01 17.40
28/01 17.50
28/01 18.00

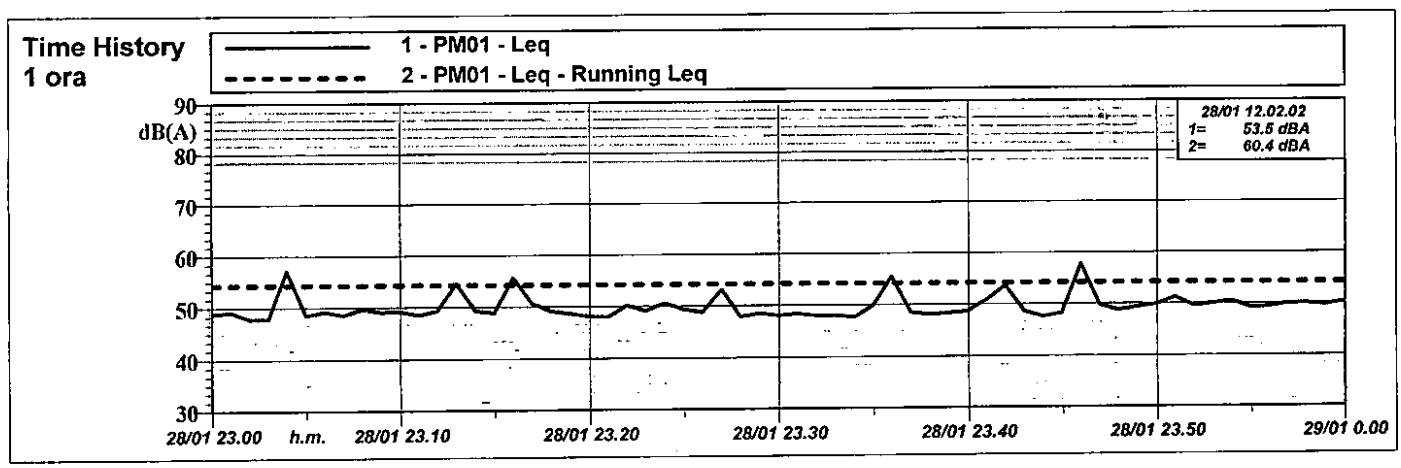

Time History
1 ora
PM01 - Leq
PM01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.02
53.5 dBA
60.4 dBA
28/01 18.00
h.m.
28/01 18.10
28/01 18.20
28/01 18.30
28/01 18.40
28/01 18.50
28/01 19.00

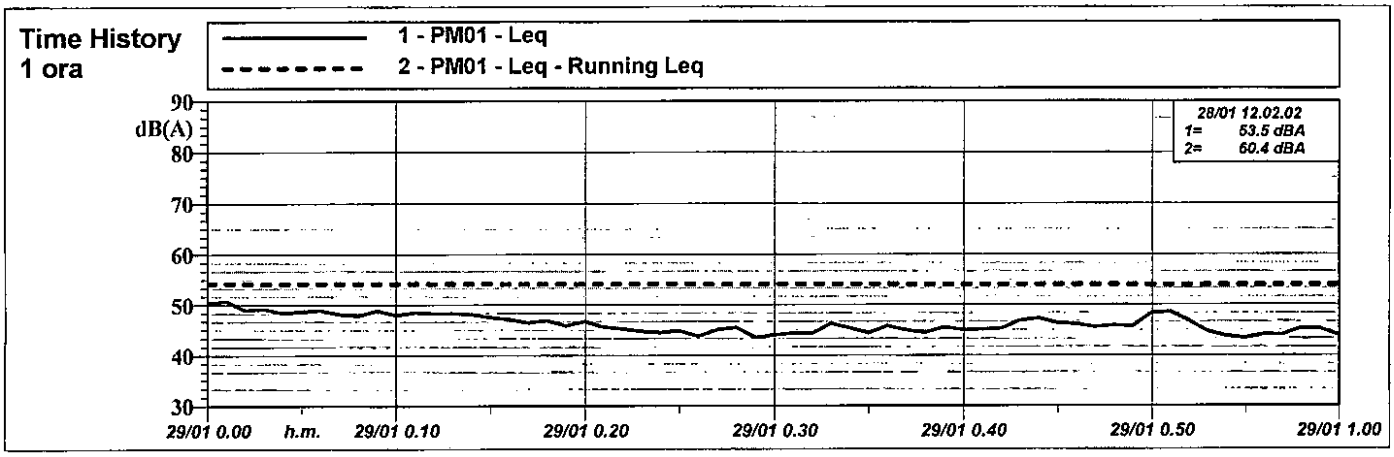

Time History
1 ora
1 - PM01 - Leq
2 - PM01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.02
1= 53.5 dBA
2= 60.4 dBA
28/01 19.00
h.m.
28/01 19.10
28/01 19.20
28/01 19.30
28/01 19.40
28/01 19.50
28/01 20.00

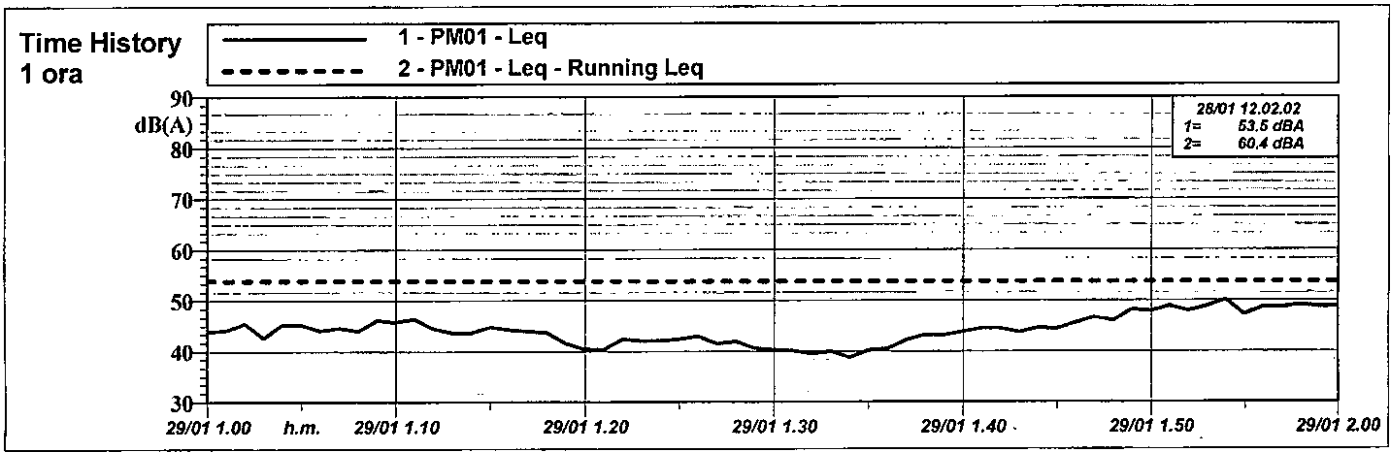

Time History
1 ora
1 - PM01 - Leq
2 - PM01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.02
1= 53.5 dBA
2= 60.4 dBA
28/01 20.00
h.m.
28/01 20.10
28/01 20.20
28/01 20.30
28/01 20.40
28/01 20.50
28/01 21.00

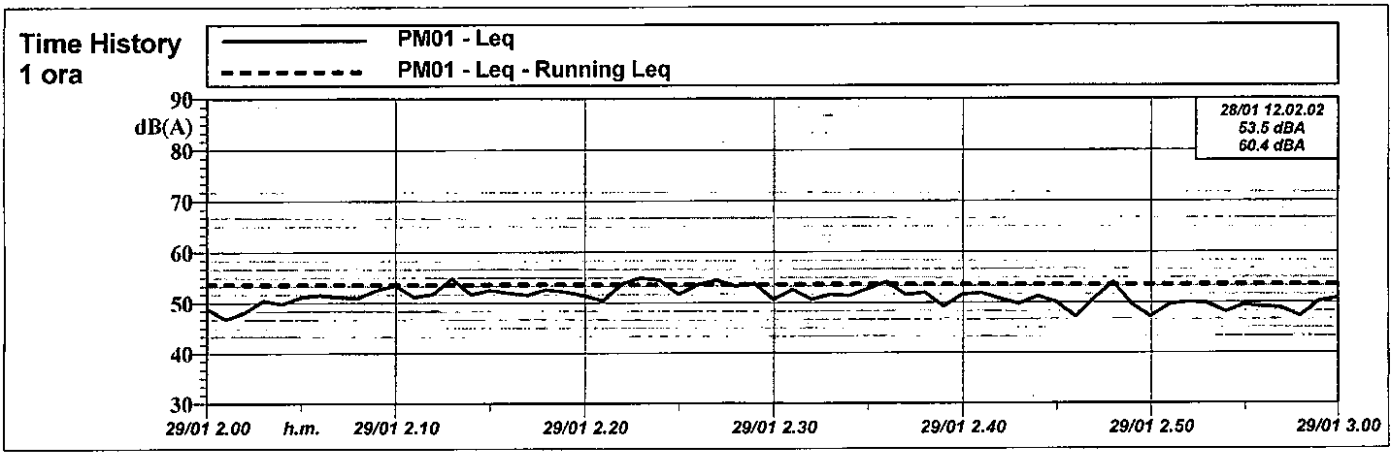

Time History
1 ora
1 - PM01 - Leq
2 - PM01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.02
1= 53.5 dBA
2= 60.4 dBA
28/01 21.00
h.m.
28/01 21.10
28/01 21.20
28/01 21.30
28/01 21.40
28/01 21.50
28/01 22.00

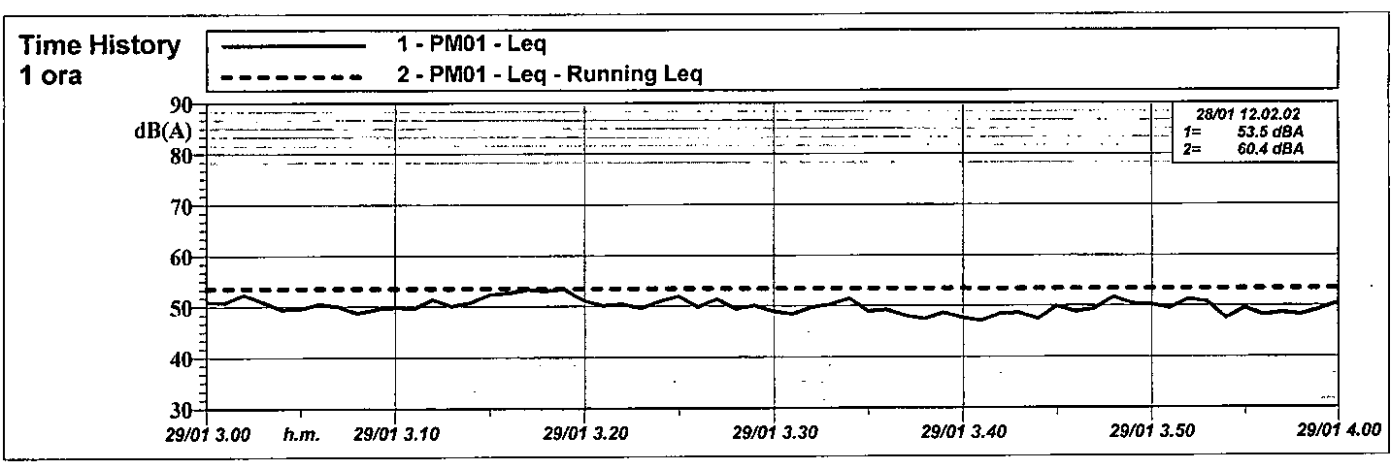

Time History
1 ora
PM01 - Leq
PM01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.02
53.5 dBA
60.4 dBA
28/01 22.00
h.m.
28/01 22.10
28/01 22.20
28/01 22.30
28/01 22.40
28/01 22.50
28/01 23.00

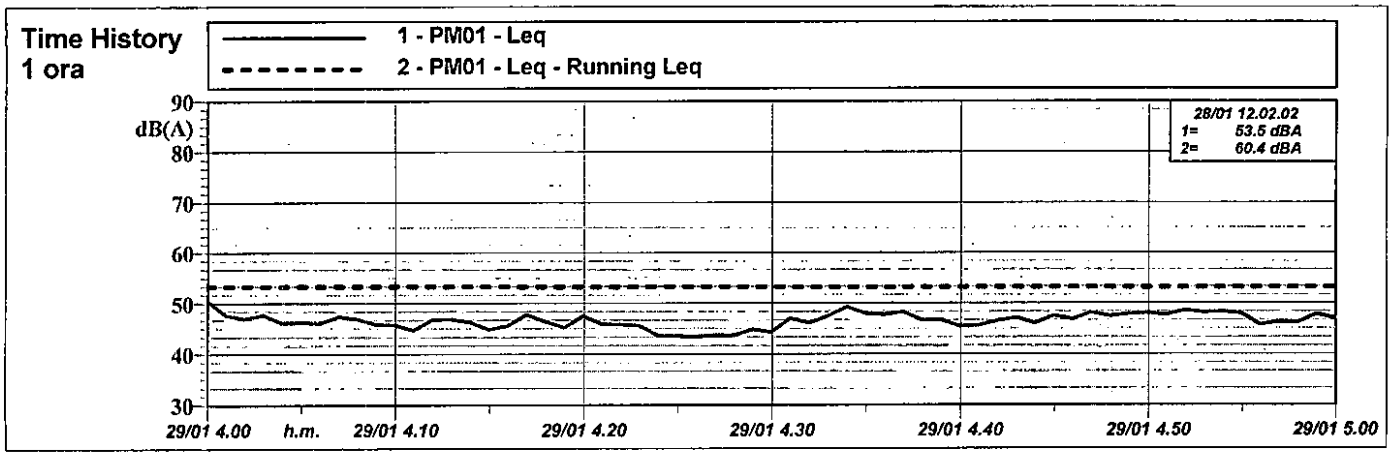

Time History
1 ora
1 - PM01 - Leq
2 - PM01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.02
1= 53.5 dBA
2= 60.4 dBA
28/01 23.00
h.m.
28/01 23.10
28/01 23.20
28/01 23.30
28/01 23.40
28/01 23.50
29/01 0.00

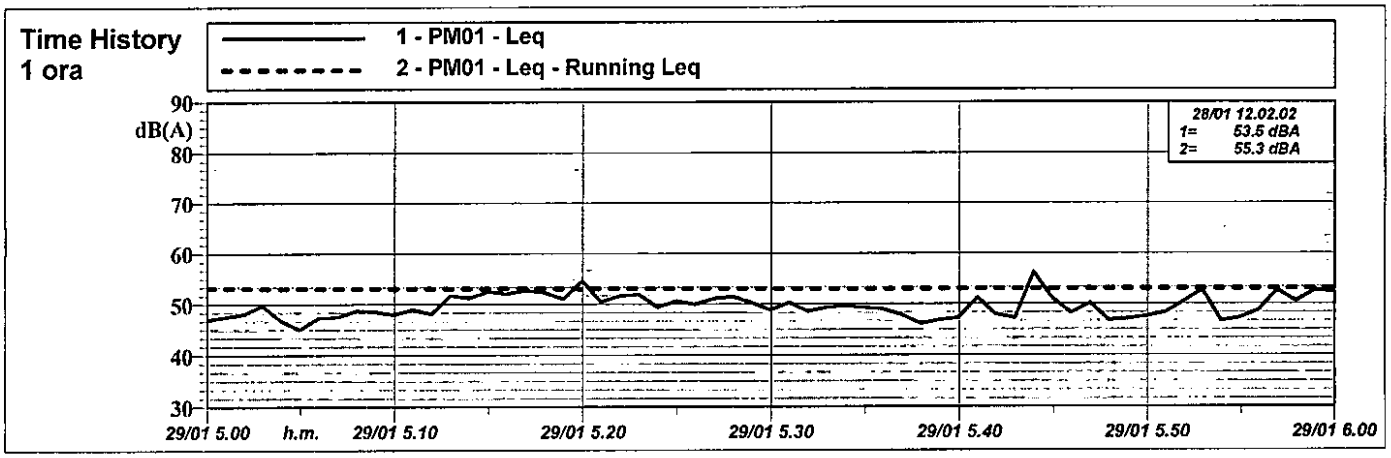

Time History
1 ora
1 - PM01 - Leq
2 - PM01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.02
1= 53.5 dBA
2= 60.4 dBA
29/01 0.00
h.m.
29/01 0.10
29/01 0.20
29/01 0.30
29/01 0.40
29/01 0.50
29/01 1.00

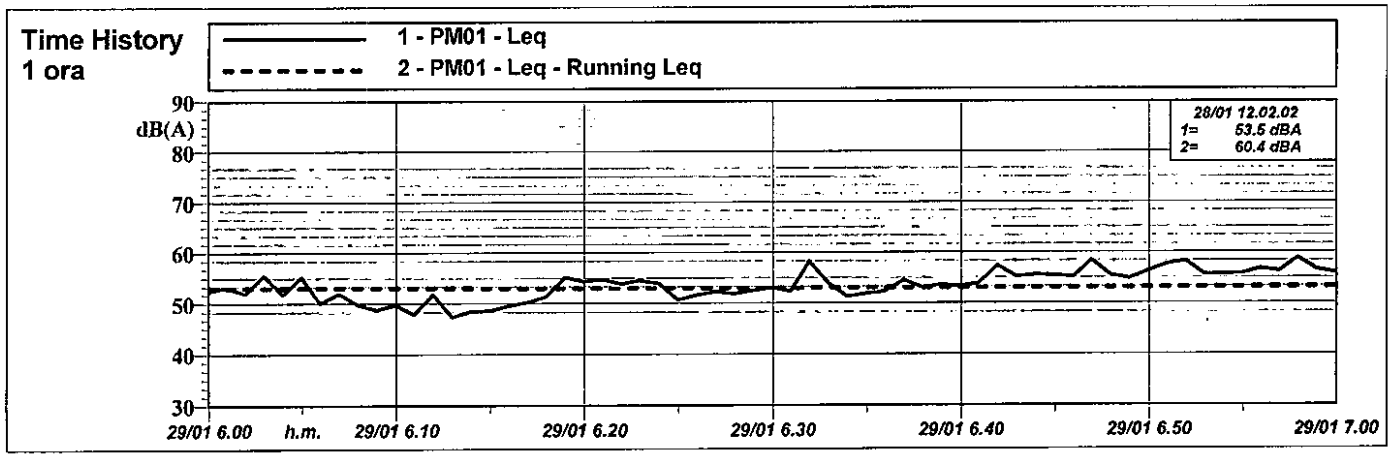

Time History
1 ora
1 - PM01 - Leq
2 - PM01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.02
1= 53.5 dBA
2= 60.4 dBA
29/01 1.00
h.m.
29/01 1.10
29/01 1.20
29/01 1.30
29/01 1.40
29/01 1.50
29/01 2.00

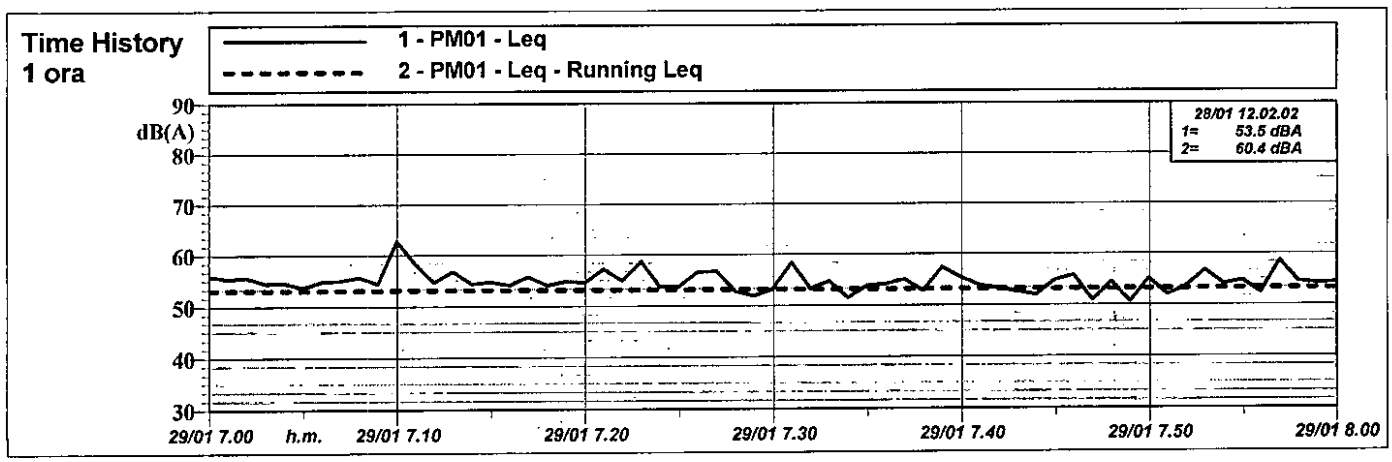

Time History
1 ora
PM01 - Leq
PM01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.02
53.5 dBA
60.4 dBA
29/01 2.00
h.m.
29/01 2.10
29/01 2.20
29/01 2.30
29/01 2.40
29/01 2.50
29/01 3.00


Time History
1 ora
1 - PM01 - Leq
2 - PM01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.02
1= 53.5 dBA
2= 60.4 dBA
29/01 3.00
h.m.
29/01 3.10
29/01 3.20
29/01 3.30
29/01 3.40
29/01 3.50
29/01 4.00


Time History
1 ora
1 - PM01 - Leq
2 - PM01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.02
1= 53.5 dBA
2= 60.4 dBA
29/01 4.00
h.m.
29/01 4.10
29/01 4.20
29/01 4.30
29/01 4.40
29/01 4.50
29/01 5.00

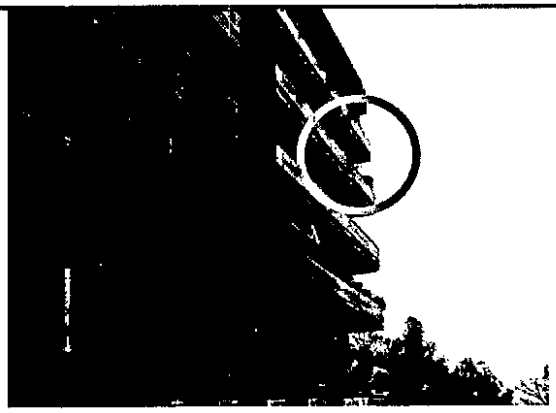

Time History
1 ora
1 - PM01 - Leq
2 - PM01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.02
1= 53.5 dBA
2= 55.3 dBA
29/01 5.00
h.m.
29/01 5.10
29/01 5.20
29/01 5.30
29/01 5.40
29/01 5.50
29/01 6.00

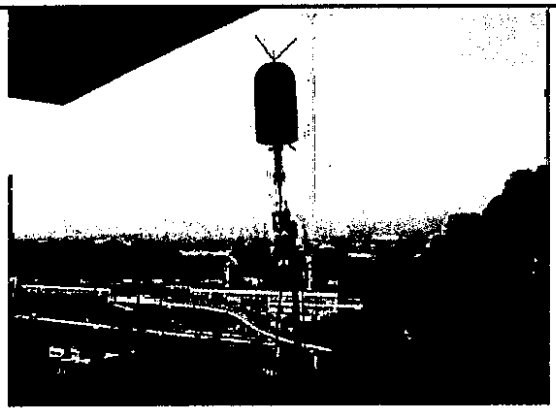

Time History
1 ora
1 - PM01 - Leq
2 - PM01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.02
1= 53.5 dBA
2= 60.4 dBA
29/01 6.00
h.m.
29/01 6.10
29/01 6.20
29/01 6.30
29/01 6.40
29/01 6.50
29/01 7.00


Time History
1 ora
1 - PM01 - Leq
2 - PM01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.02
1= 53.5 dBA
2= 60.4 dBA
29/01 7.00
h.m.
29/01 7.10
29/01 7.20
29/01 7.30
29/01 7.40
29/01 7.50
29/01 8.00

Progettazioni Ambiente e Trasporti	ACEA – IMPIANTO DI TOR DI VALLE Schede di rilevamento fonometrico

Tipo rilievo:	Monitoraggio acustico in ambiente esterno			**Punto di misura:**	**PM02**
Regione:	Lazio	**Provincia:**	Roma	**Comune:**	Roma
Localizzazione:	Via Fiume Giallo, 113 (Quartiere Torrino)			**Zonizzazione:**	
Descrizione:	Il punto di misura è situato al 4° piano del fabbricato e alla distanza pari a circa 320 m dall'impianto ACEA.				
Data inizio misura:	28/01/10	**Data fine misura:**	29/01/10	**Tecnico competente:**	Ing. Tiziana Bastianello Regione Lazio n. 270
Ora inizio misura:	12:00:00	**Ora fine misura:**	12:00:00		



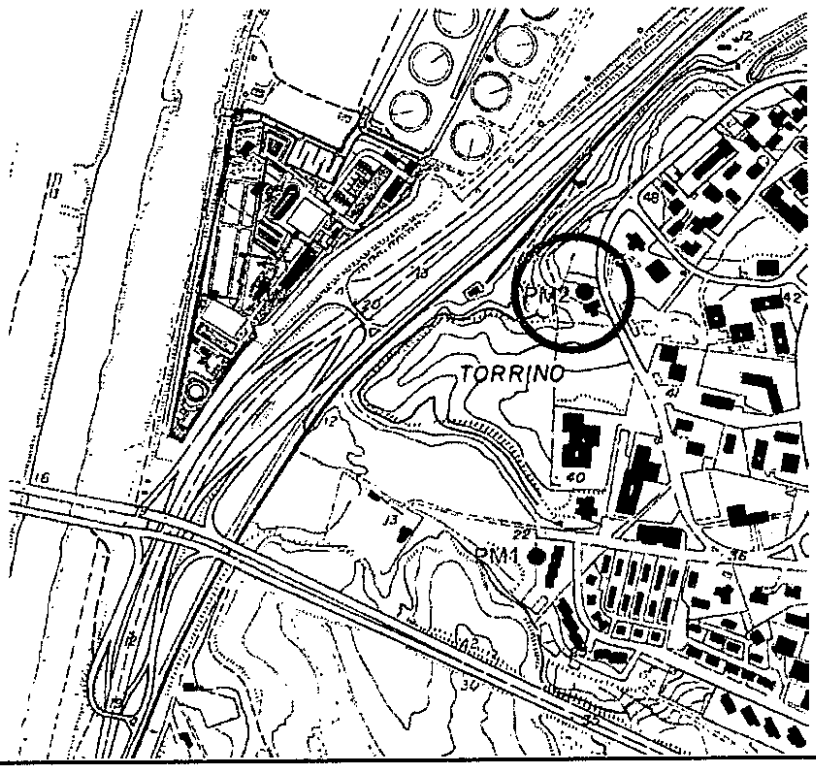


	SINTESI ELABORAZIONE ACUSTICA			
	Media impianto acceso		Media impianto spento	
	giorno	notte	giorno	notte
L_{Aeq}	59,2	55,0	-	-
L_{99}	53,4	51,6	-	-

SINTESI PARAMETRI METEO		
	Min	Max
Temperatura [°C]	-1	5,5
Umidità [%]	84	86
Vento V [m/s]/ dir. [°]	< 1,5 / variabile	
Pioggia [mm]	assente	

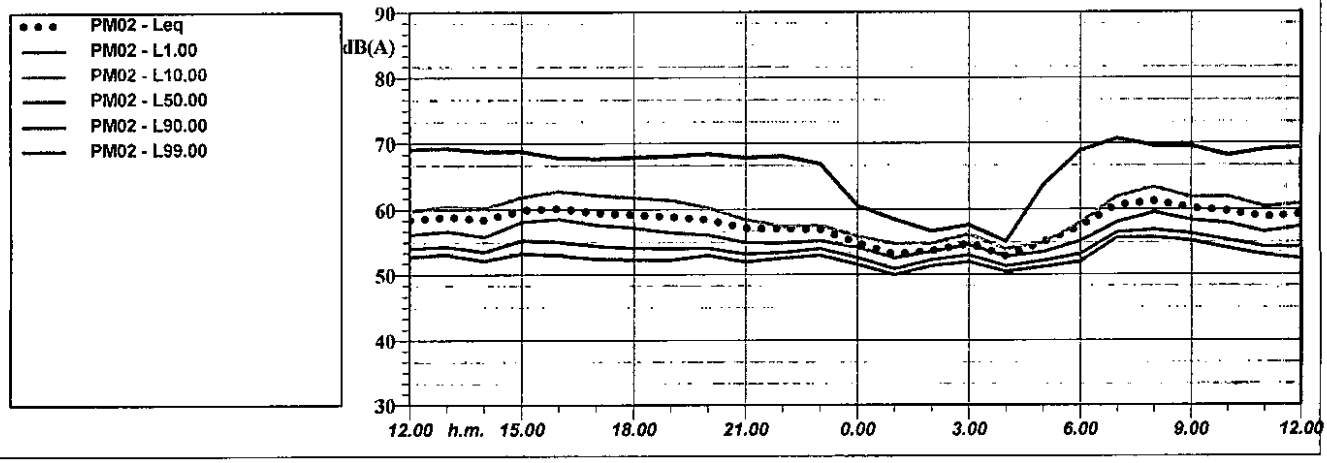
NOTE:	Il clima acustico è caratterizzato da un rumore continuo di sottofondo della centrale. Ulteriori sorgenti sono il GRA (570 m) e la linea ferroviaria e la adiacente via del Mare (160 m). La TG2 è rimasta accesa per tutto il periodo di misura.

UBICAZIONE PUNTO DI MISURA



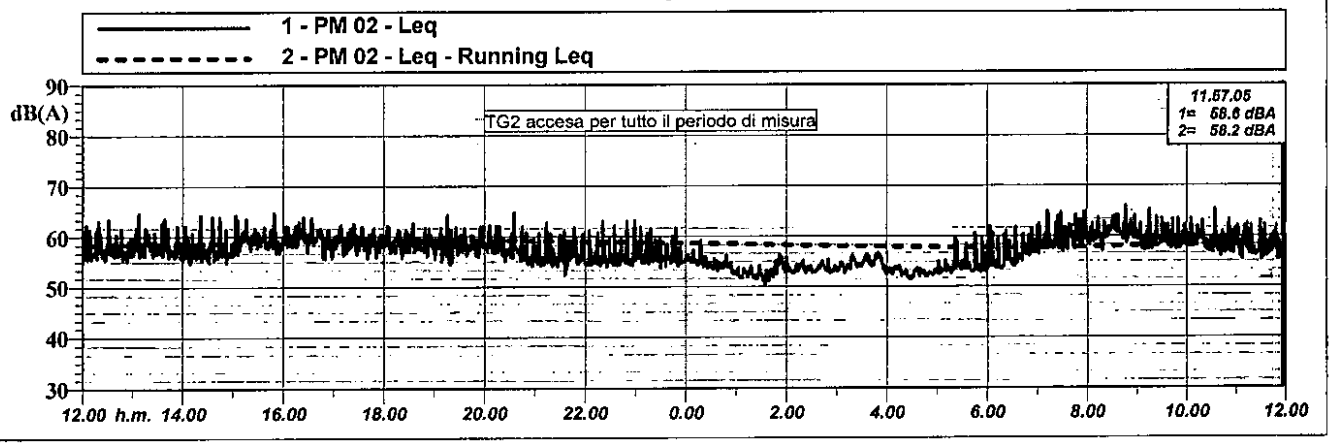
Stralcio planimetrico

Intervalli orari - Leq e dei Livelli percentili



	LEQ	L1	L10	L50	L90	L99
12.00.00	58.3 dBA	69.1 dBA	59.8 dBA	56.1 dBA	54.1 dBA	52.8 dBA
13.00.00	58.9 dBA	69.2 dBA	60.5 dBA	56.6 dBA	54.4 dBA	53.1 dBA
14.00.00	58.4 dBA	68.8 dBA	60.2 dBA	55.8 dBA	53.5 dBA	52.1 dBA
15.00.00	59.9 dBA	68.8 dBA	61.9 dBA	58.1 dBA	55.3 dBA	53.3 dBA
16.00.00	60.1 dBA	67.8 dBA	62.8 dBA	58.5 dBA	55.1 dBA	53.0 dBA
17.00.00	59.4 dBA	67.6 dBA	62.2 dBA	57.6 dBA	54.4 dBA	52.4 dBA
18.00.00	59.1 dBA	67.8 dBA	61.8 dBA	57.1 dBA	54.1 dBA	52.3 dBA
19.00.00	58.8 dBA	68.0 dBA	61.4 dBA	56.4 dBA	54.0 dBA	52.3 dBA
20.00.00	58.4 dBA	68.4 dBA	60.3 dBA	56.0 dBA	54.1 dBA	53.0 dBA
21.00.00	57.1 dBA	67.8 dBA	58.5 dBA	54.8 dBA	53.2 dBA	52.0 dBA
22.00.00	57.0 dBA	68.0 dBA	57.4 dBA	54.8 dBA	53.4 dBA	52.6 dBA
23.00.00	56.9 dBA	66.9 dBA	57.6 dBA	55.1 dBA	54.0 dBA	53.0 dBA
0.00.00	54.8 dBA	60.6 dBA	55.9 dBA	54.1 dBA	52.6 dBA	51.6 dBA
1.00.00	53.1 dBA	58.4 dBA	54.8 dBA	52.5 dBA	50.9 dBA	50.0 dBA
2.00.00	53.6 dBA	56.7 dBA	54.8 dBA	53.4 dBA	52.3 dBA	51.4 dBA
3.00.00	54.7 dBA	57.6 dBA	56.2 dBA	54.5 dBA	53.0 dBA	52.0 dBA
4.00.00	52.8 dBA	55.1 dBA	54.0 dBA	52.7 dBA	51.4 dBA	50.5 dBA
5.00.00	54.9 dBA	63.7 dBA	55.0 dBA	53.4 dBA	52.2 dBA	51.2 dBA
6.00.00	57.3 dBA	68.9 dBA	58.0 dBA	55.1 dBA	53.2 dBA	52.1 dBA
7.00.00	60.6 dBA	70.7 dBA	61.9 dBA	57.9 dBA	56.5 dBA	55.8 dBA
8.00.00	61.1 dBA	69.6 dBA	63.4 dBA	59.4 dBA	56.9 dBA	55.7 dBA
9.00.00	60.1 dBA	69.6 dBA	61.8 dBA	58.2 dBA	56.3 dBA	55.2 dBA
10.00.00	59.7 dBA	68.1 dBA	61.9 dBA	57.8 dBA	55.3 dBA	54.0 dBA
11.00.00	58.8 dBA	69.0 dBA	60.4 dBA	56.5 dBA	54.3 dBA	53.1 dBA
12.00.00	59.1 dBA	69.3 dBA	60.9 dBA	57.3 dBA	54.3 dBA	52.4 dBA

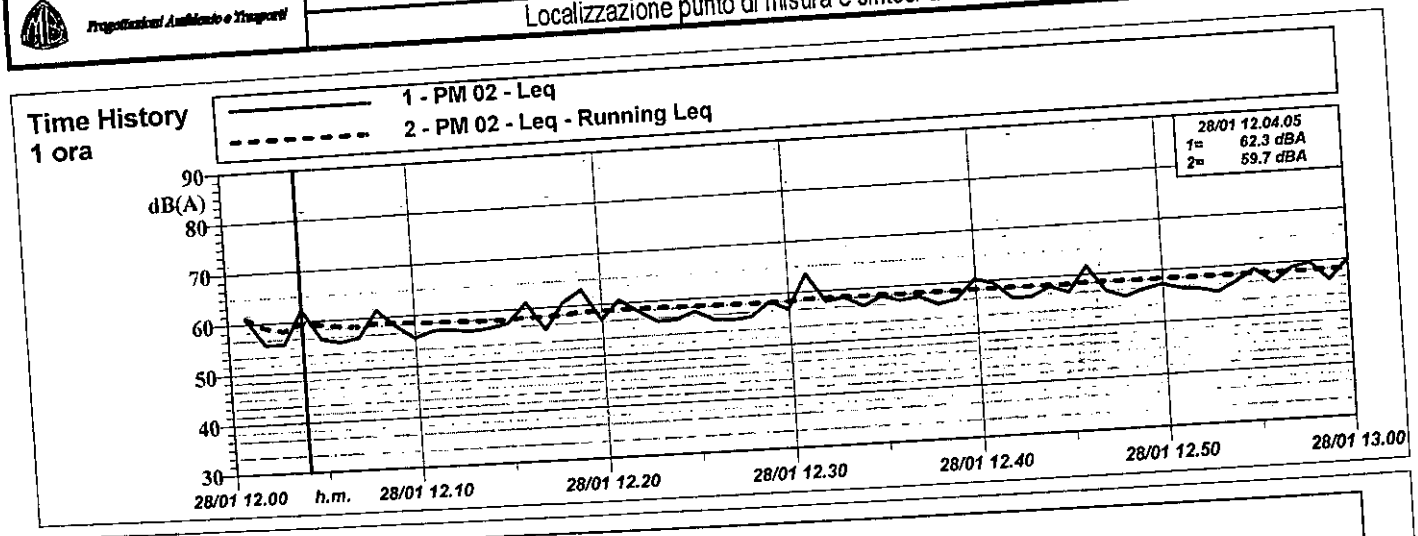
Time History - Periodo misura

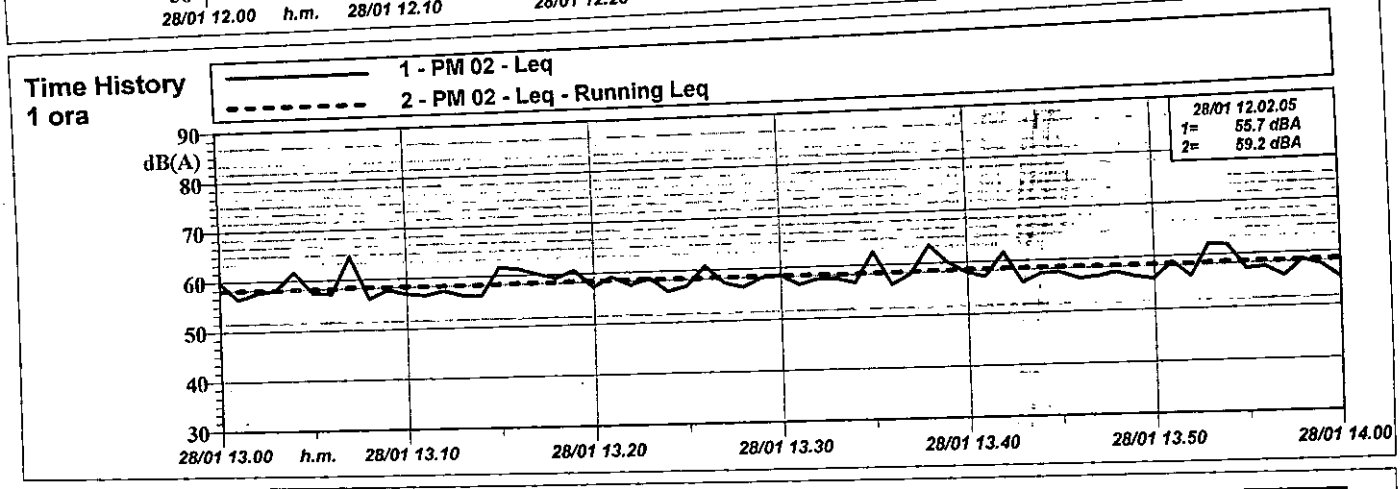


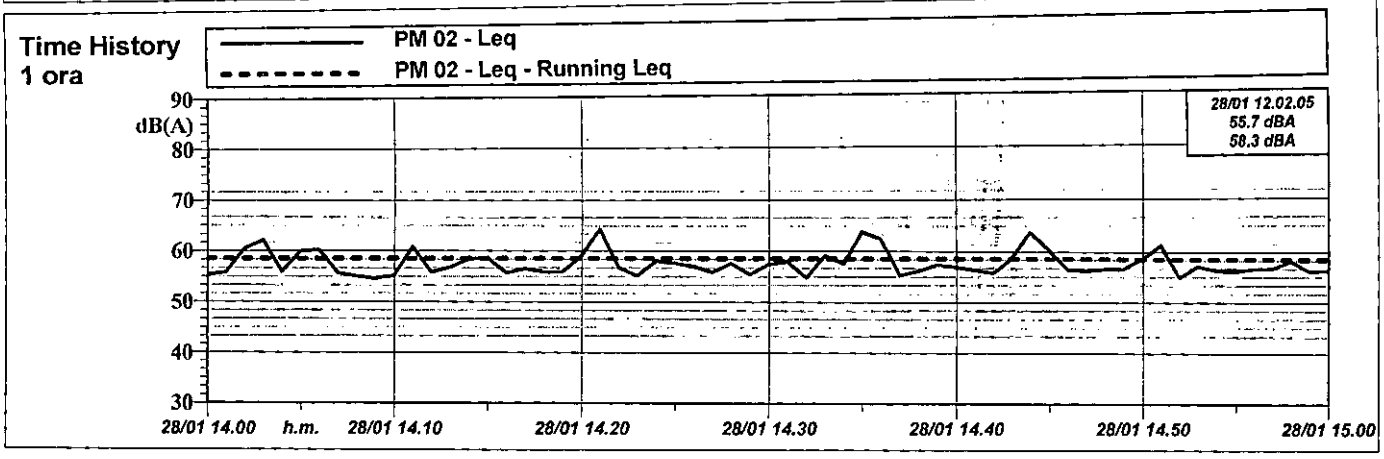
Progettazione Ambiente e Trasporti

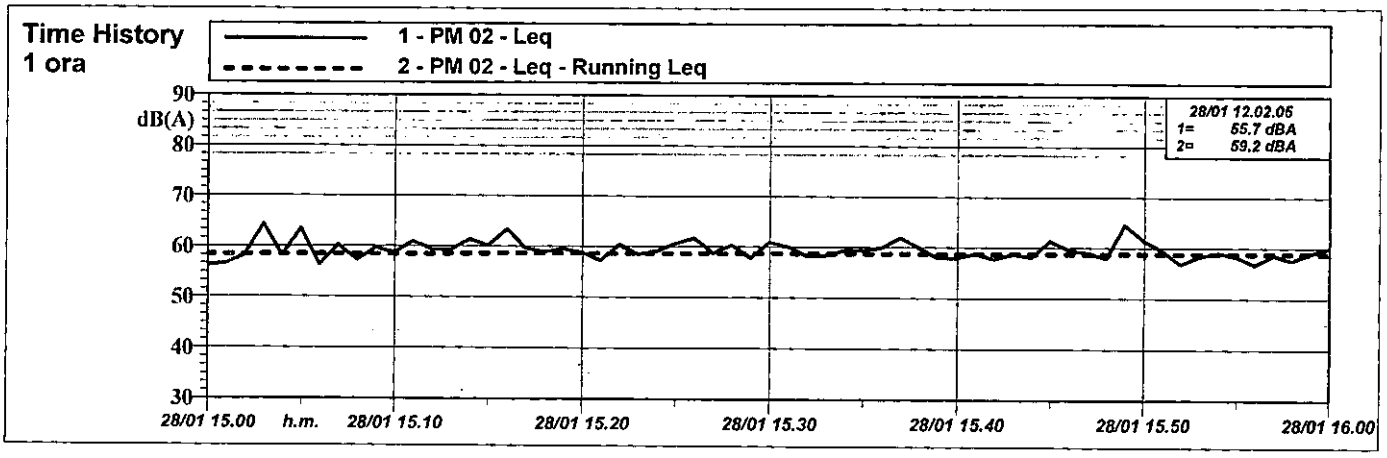
CARATTERIZZAZIONE ACUSTICA

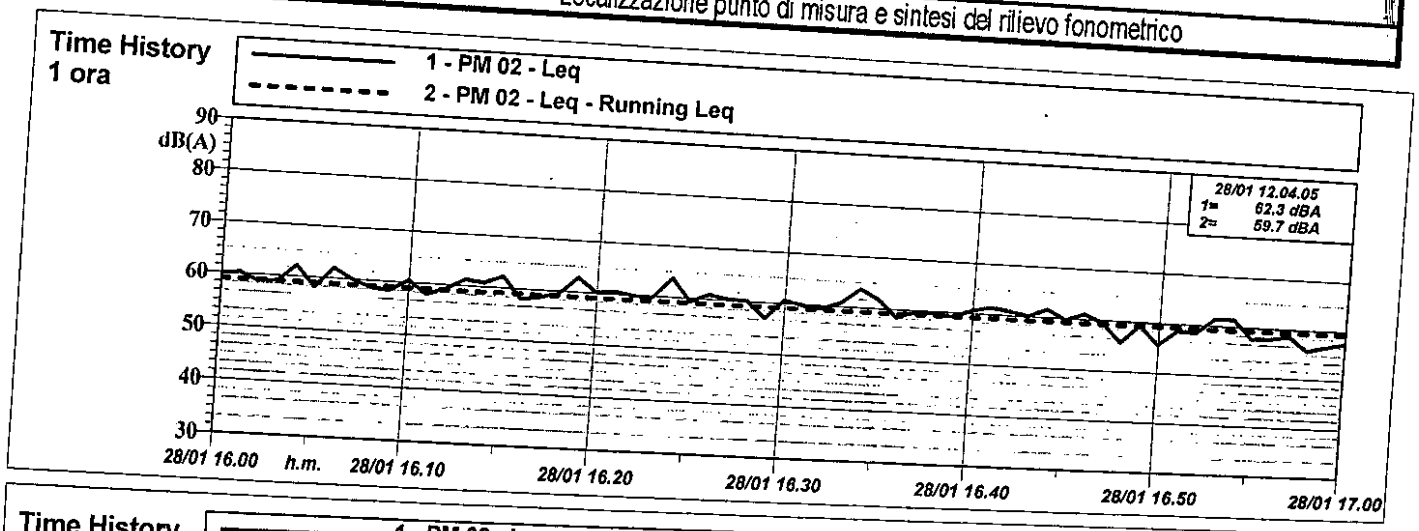
Localizzazione punto di misura e sintesi del rilievo fonometrico

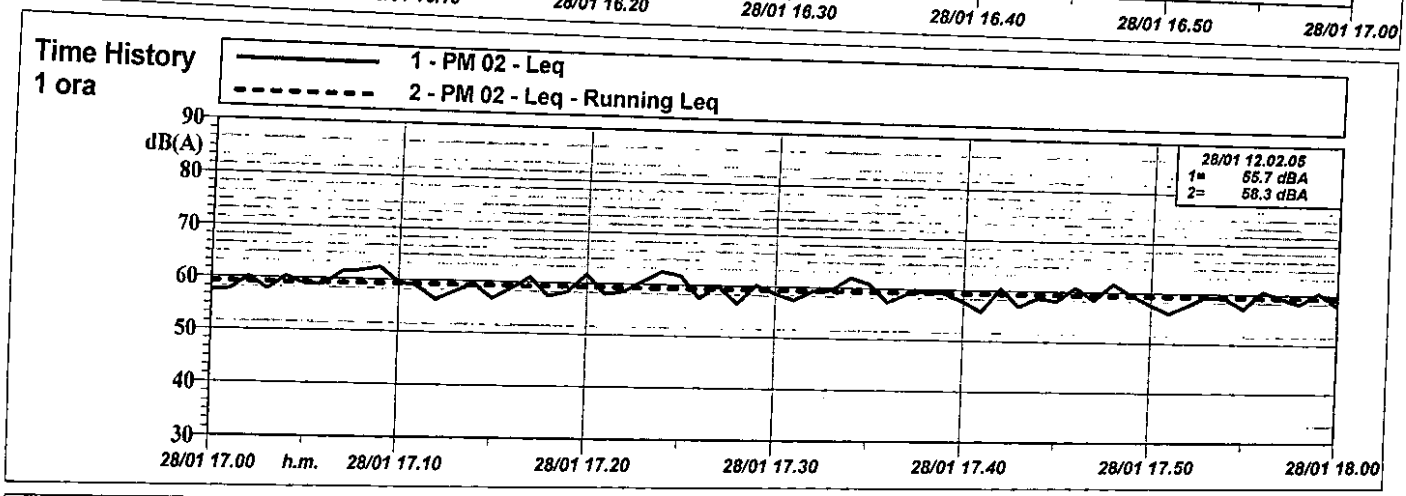


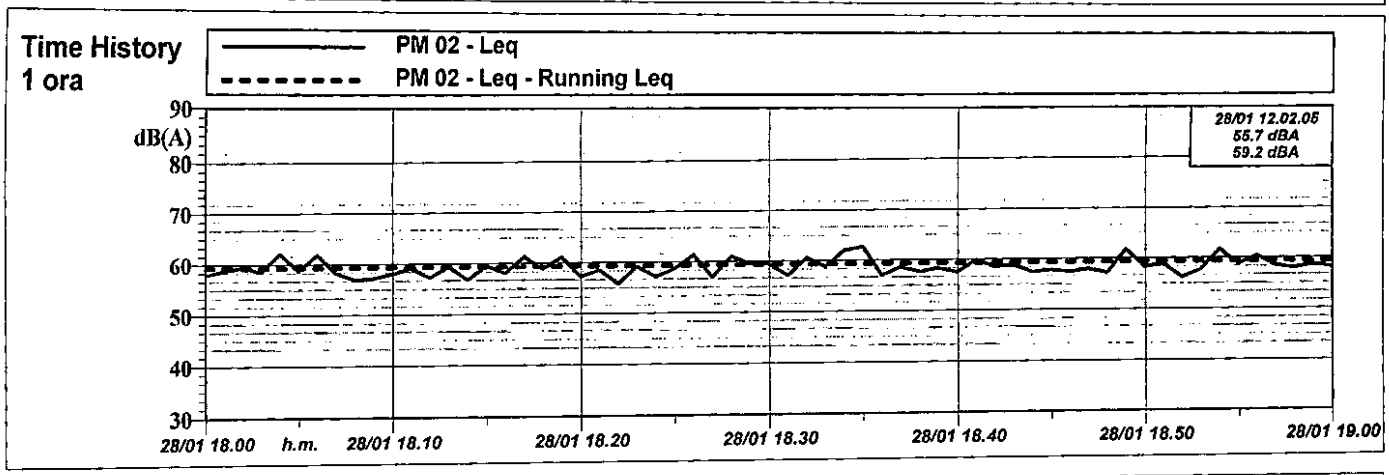


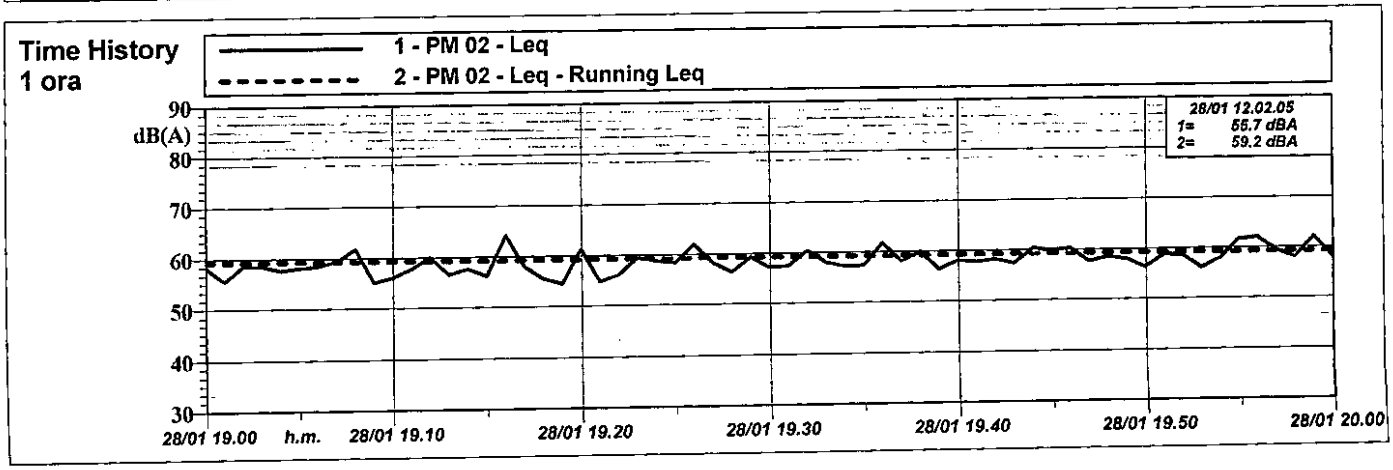


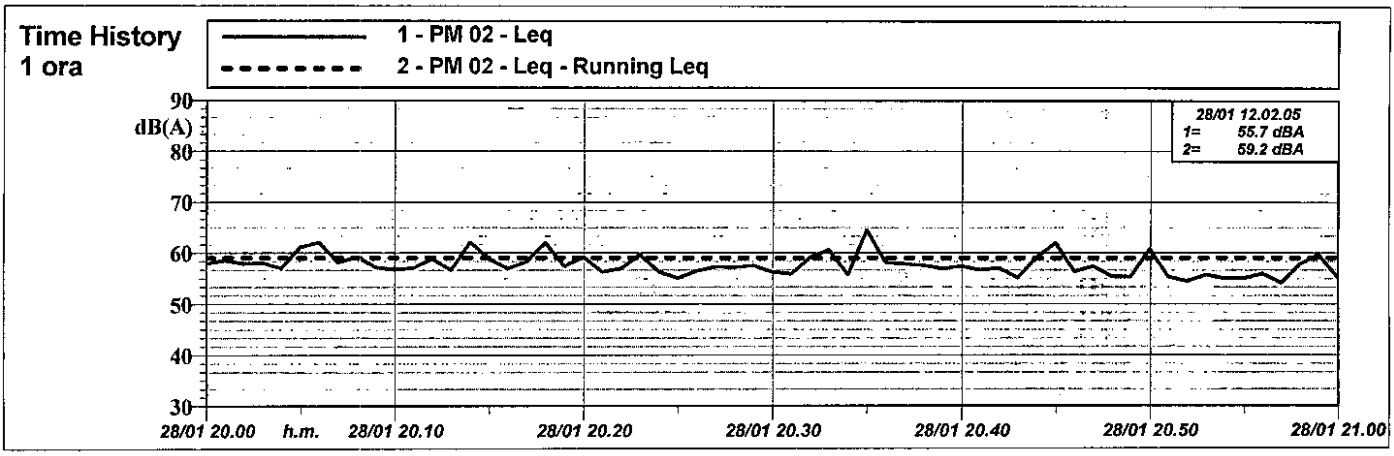


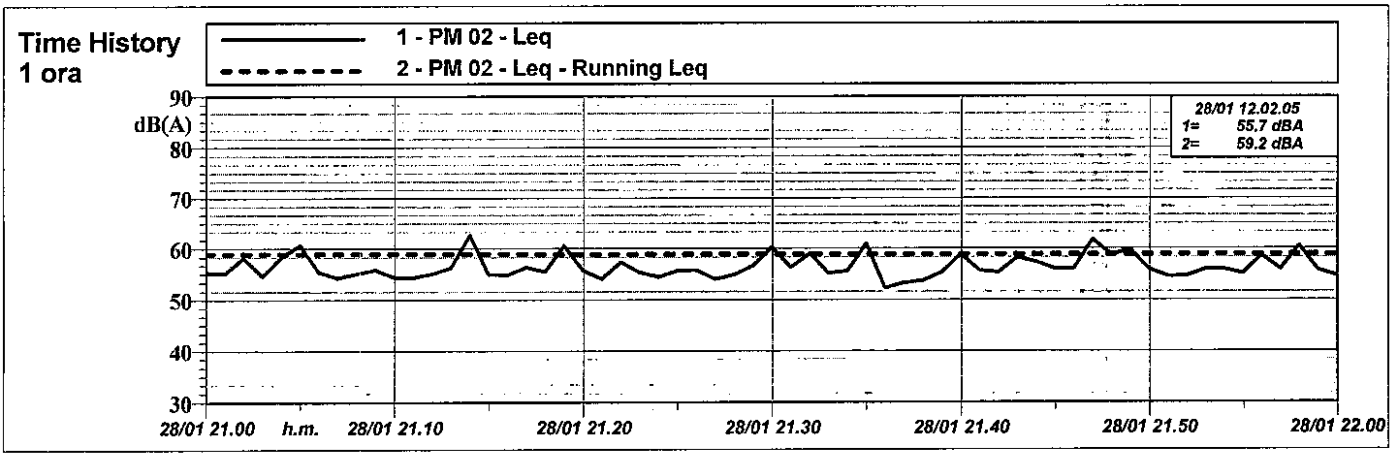

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.04.05
1= 62.3 dBA
2= 59.7 dBA
28/01 16.00
h.m.
28/01 16.10
28/01 16.20
28/01 16.30
28/01 16.40
28/01 16.50
28/01 17.00

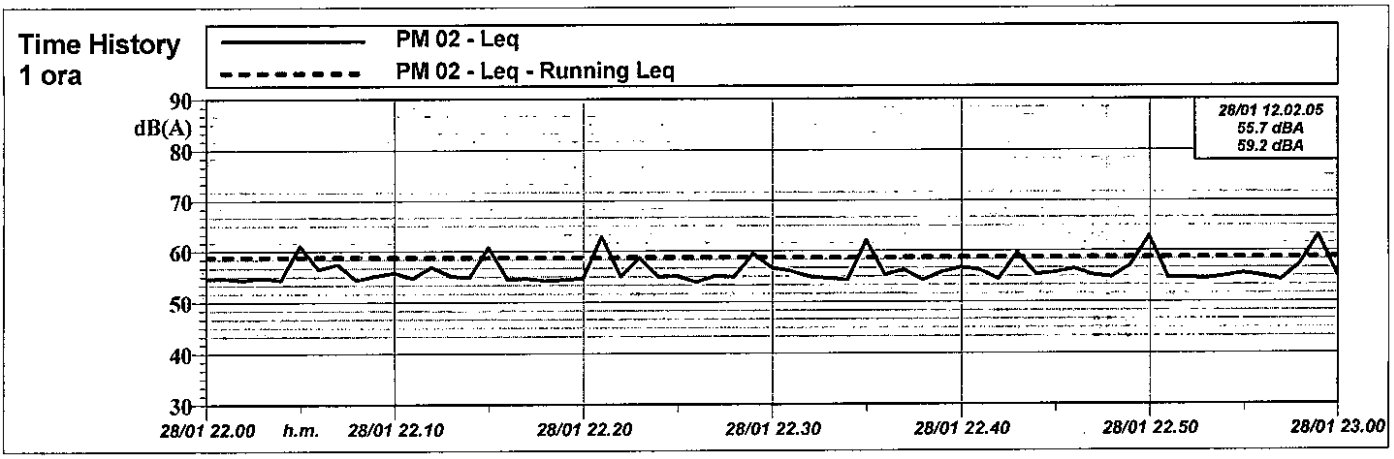

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.05
1= 55.7 dBA
2= 58.3 dBA
28/01 17.00
h.m.
28/01 17.10
28/01 17.20
28/01 17.30
28/01 17.40
28/01 17.50
28/01 18.00

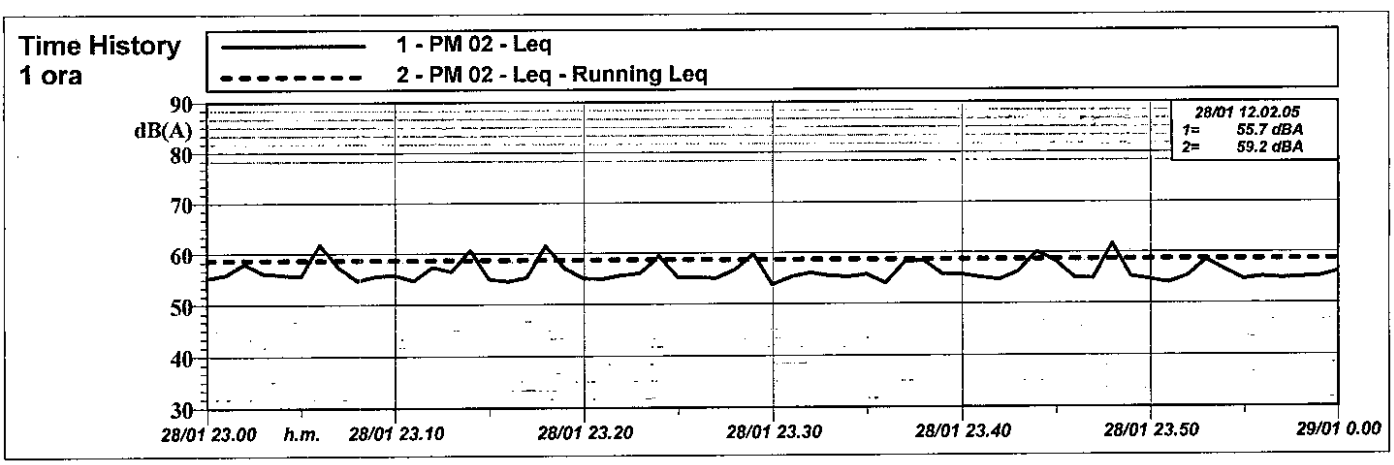

Time History
1 ora
PM 02 - Leq
PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.05
55.7 dBA
59.2 dBA
28/01 18.00
h.m.
28/01 18.10
28/01 18.20
28/01 18.30
28/01 18.40
28/01 18.50
28/01 19.00

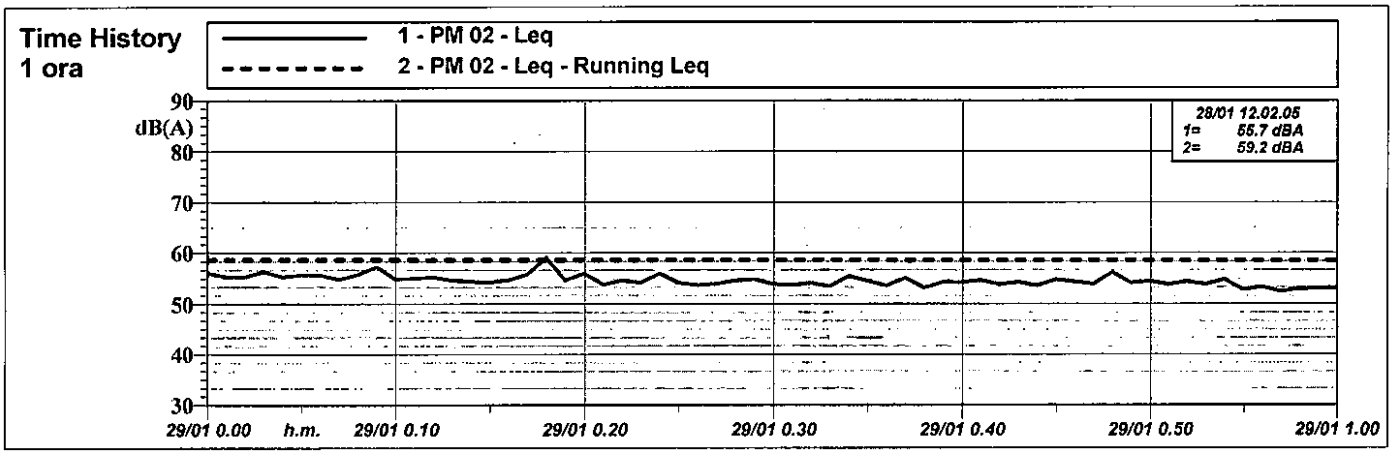

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.05
1= 55.7 dBA
2= 59.2 dBA
28/01 19.00
h.m.
28/01 19.10
28/01 19.20
28/01 19.30
28/01 19.40
28/01 19.50
28/01 20.00

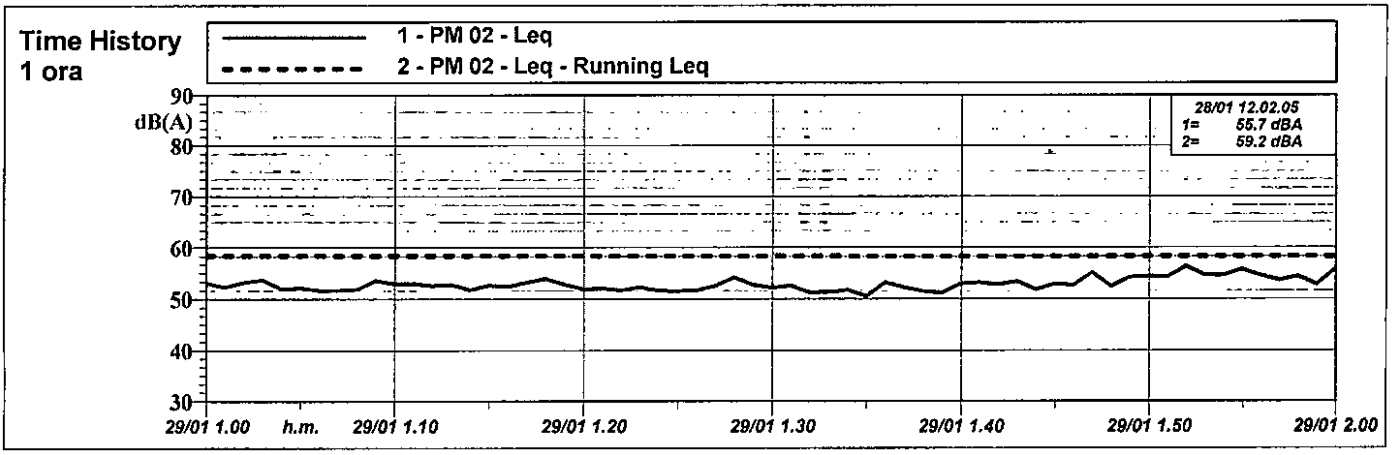

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.05
1= 55.7 dBA
2= 59.2 dBA
28/01 20.00
h.m.
28/01 20.10
28/01 20.20
28/01 20.30
28/01 20.40
28/01 20.50
28/01 21.00

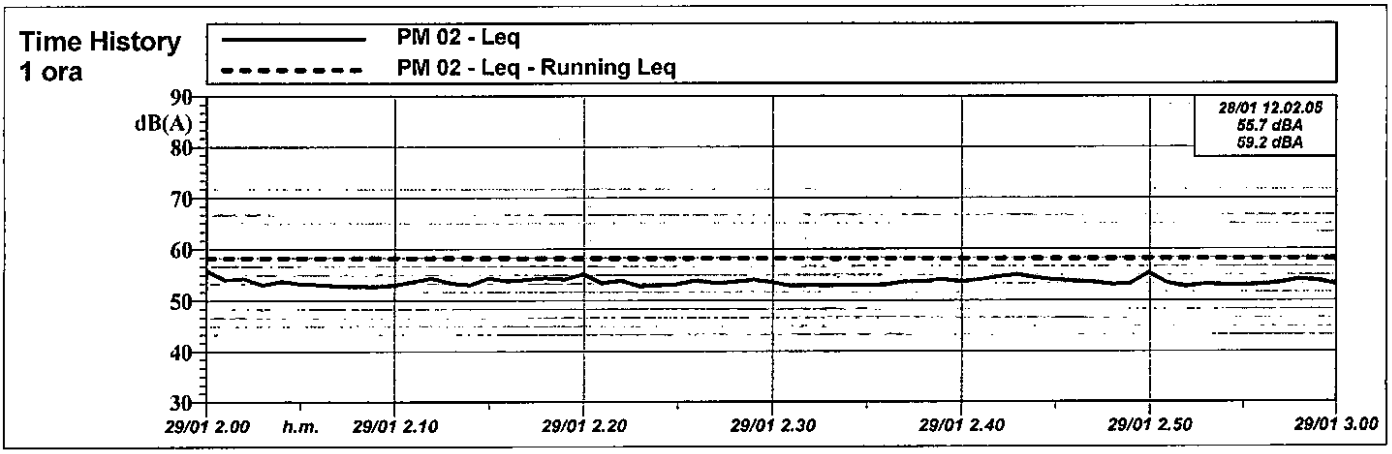

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.05
1= 55.7 dBA
2= 59.2 dBA
28/01 21.00
h.m.
28/01 21.10
28/01 21.20
28/01 21.30
28/01 21.40
28/01 21.50
28/01 22.00

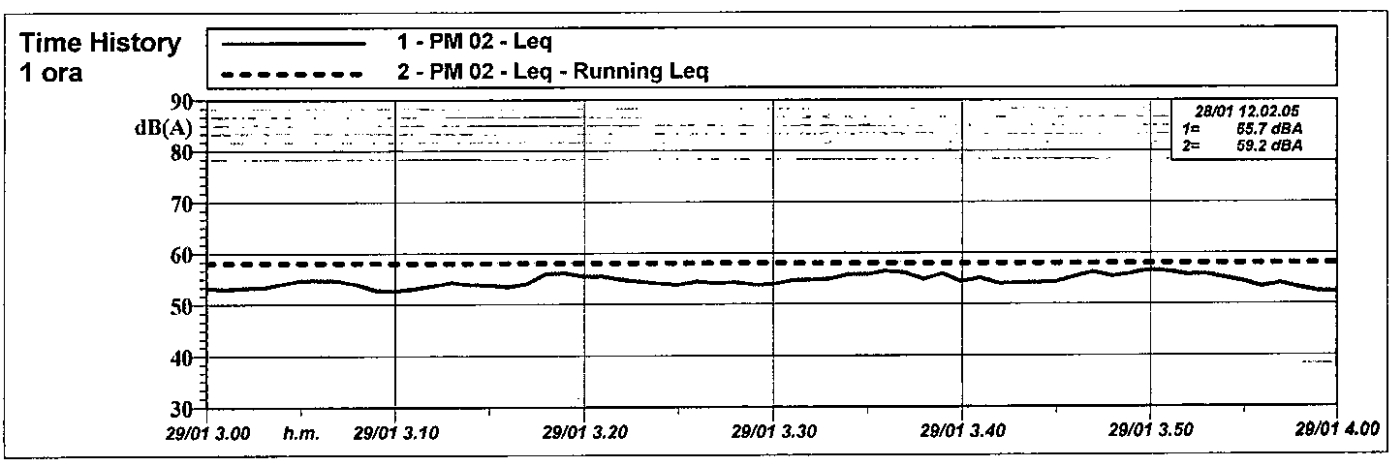

Time History
1 ora
PM 02 - Leq
PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.05
55.7 dBA
59.2 dBA
28/01 22.00
h.m.
28/01 22.10
28/01 22.20
28/01 22.30
28/01 22.40
28/01 22.50
28/01 23.00

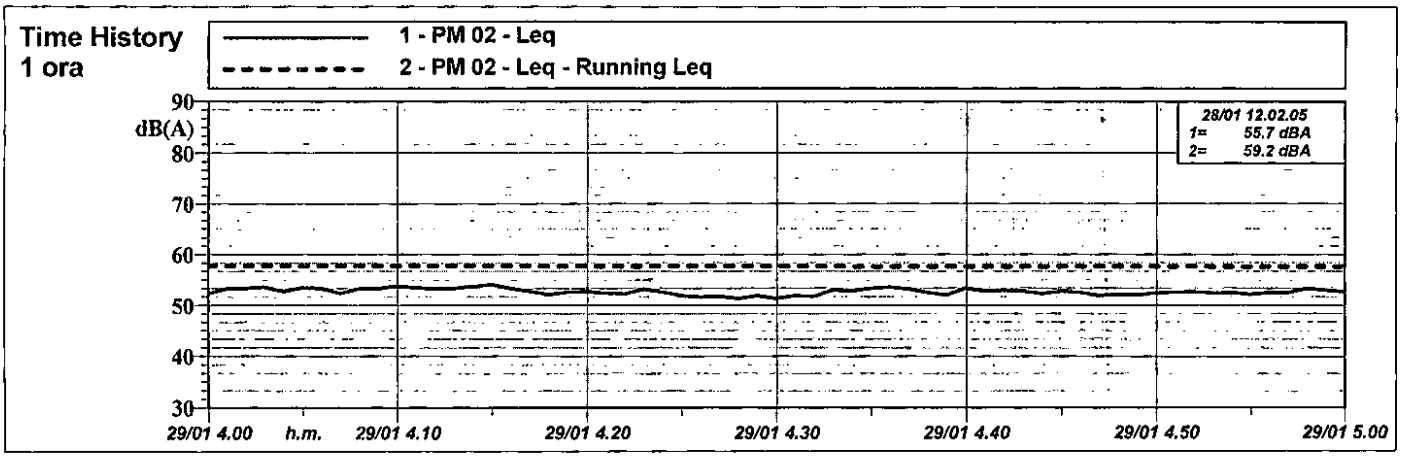

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.05
1= 55.7 dBA
2= 59.2 dBA
28/01 23.00
h.m.
28/01 23.10
28/01 23.20
28/01 23.30
28/01 23.40
28/01 23.50
29/01 0.00

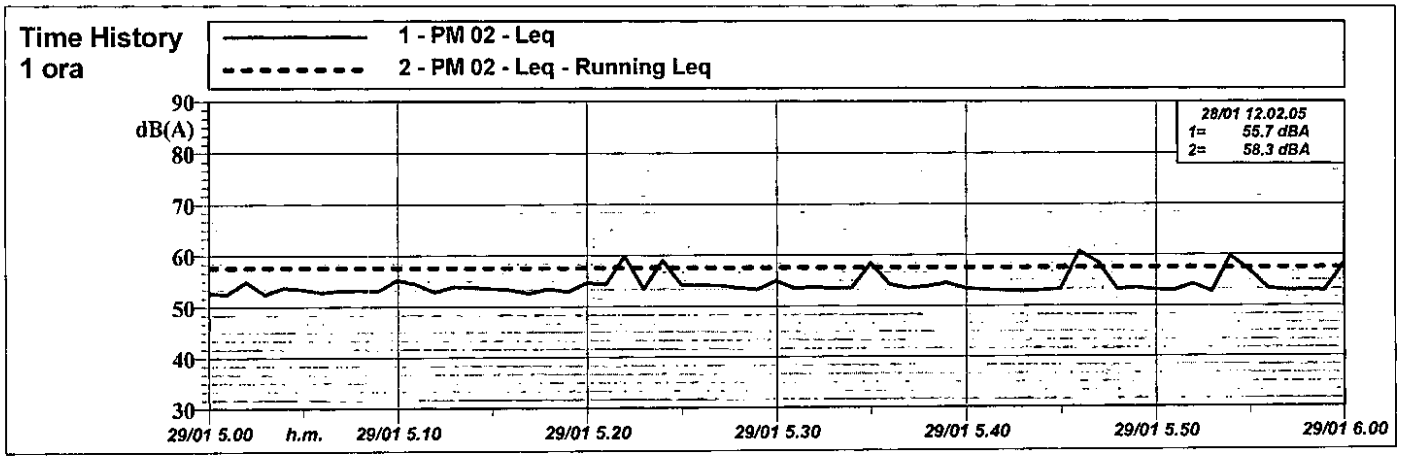

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.05
1= 55.7 dBA
2= 59.2 dBA
29/01 0.00
h.m.
29/01 0.10
29/01 0.20
29/01 0.30
29/01 0.40
29/01 0.50
29/01 1.00

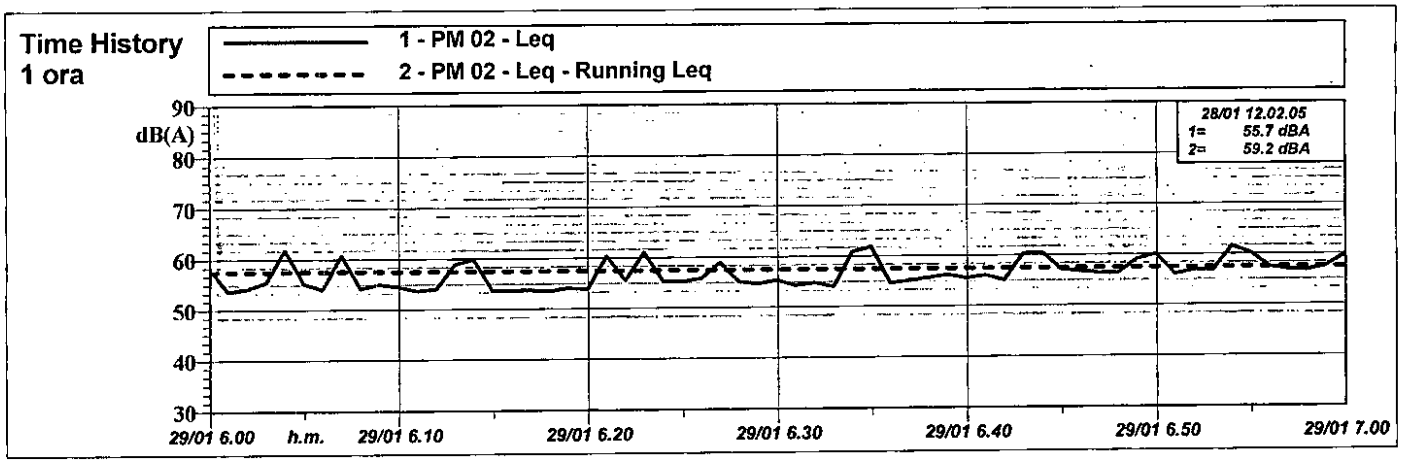

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.05
1= 55.7 dBA
2= 59.2 dBA
29/01 1.00
h.m.
29/01 1.10
29/01 1.20
29/01 1.30
29/01 1.40
29/01 1.50
29/01 2.00

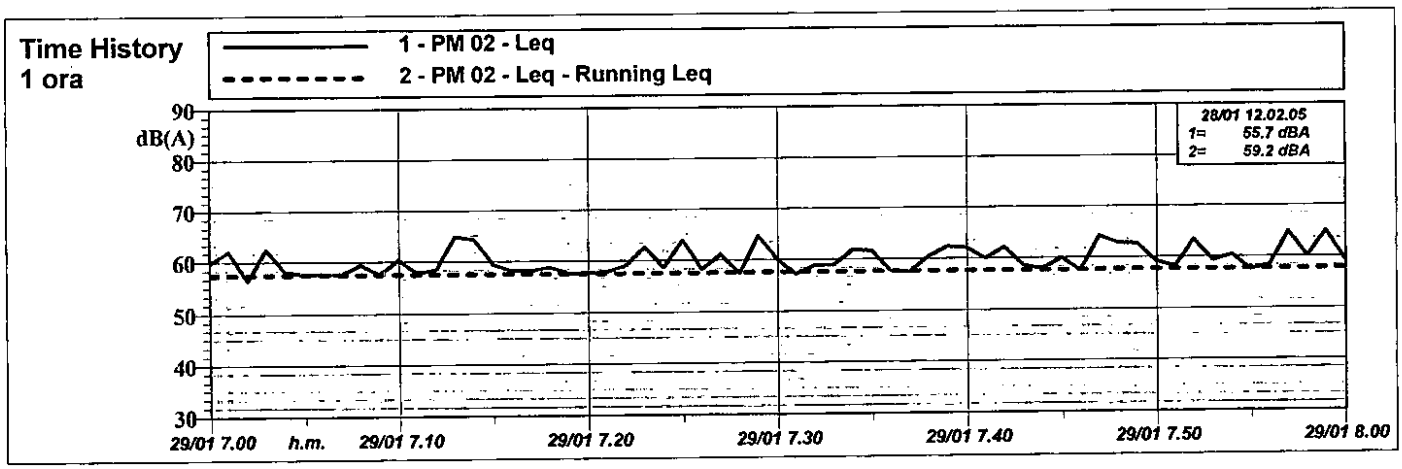

Time History
1 ora
PM 02 - Leq
PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.05
55.7 dBA
59.2 dBA
29/01 2.00
h.m.
29/01 2.10
29/01 2.20
29/01 2.30
29/01 2.40
29/01 2.50
29/01 3.00


Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.05
1= 55.7 dBA
2= 59.2 dBA
29/01 3.00
h.m.
29/01 3.10
29/01 3.20
29/01 3.30
29/01 3.40
29/01 3.50
29/01 4.00


Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.05
1= 55,7 dBA
2= 59,2 dBA
29/01 4.00
h.m.
29/01 4.10
29/01 4.20
29/01 4.30
29/01 4.40
29/01 4.50
29/01 5.00

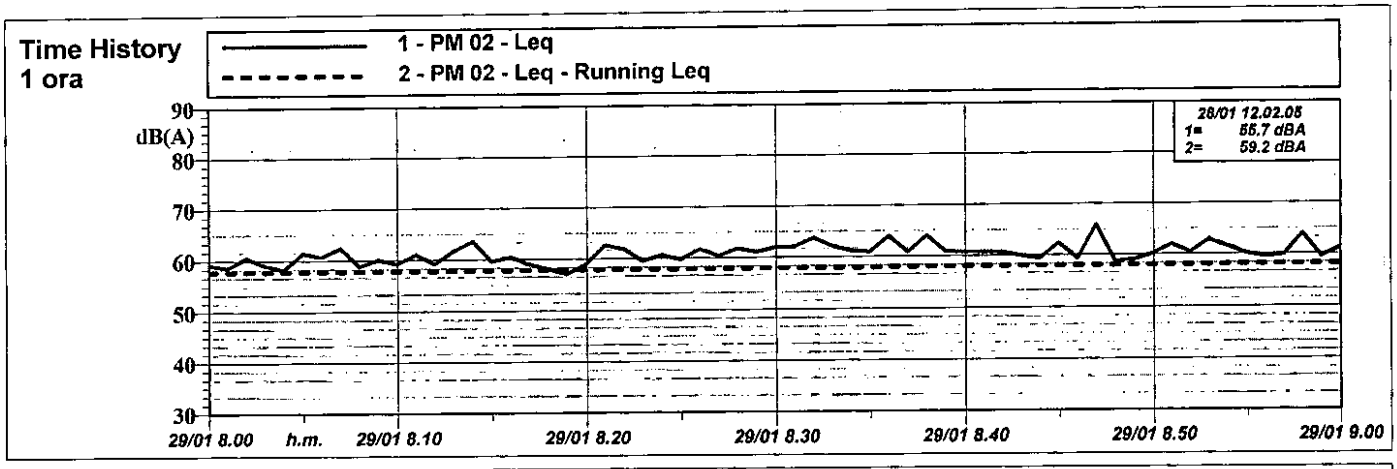

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.05
1= 55,7 dBA
2= 58,3 dBA
29/01 5.00
h.m.
29/01 5.10
29/01 5.20
29/01 5.30
29/01 5.40
29/01 5.50
29/01 6.00

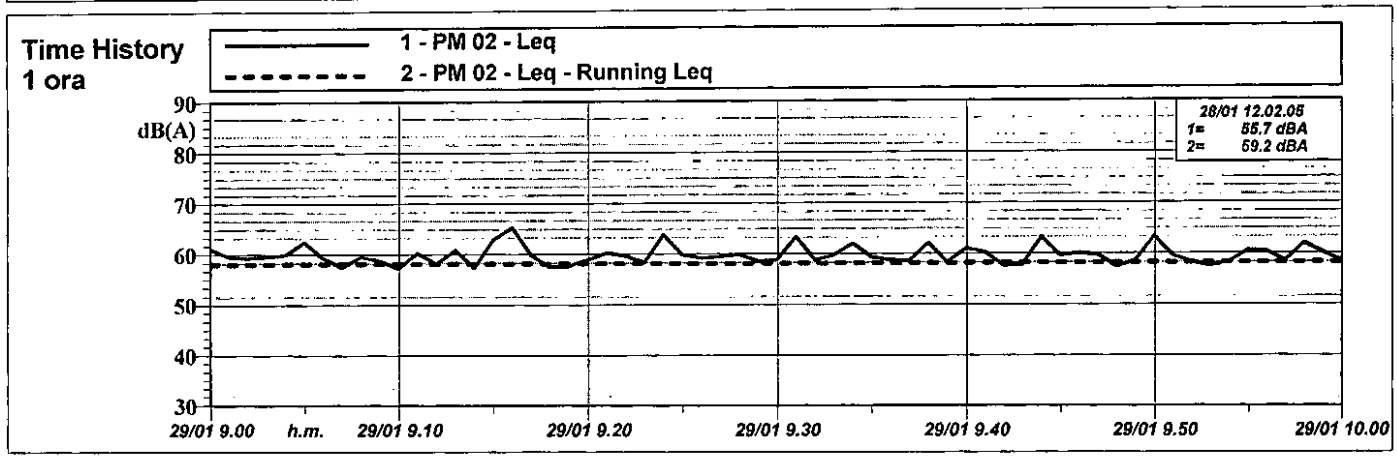

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.05
1= 55,7 dBA
2= 59,2 dBA
29/01 6.00
h.m.
29/01 6.10
29/01 6.20
29/01 6.30
29/01 6.40
29/01 6.50
29/01 7.00

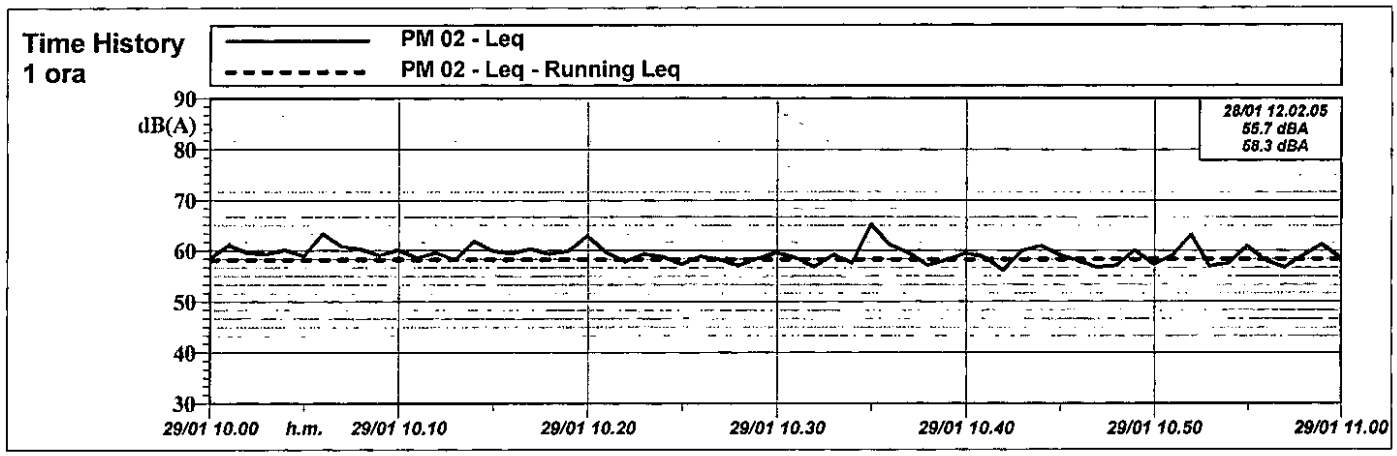

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
28/01 12.02.05
1= 55,7 dBA
2= 59,2 dBA
29/01 7.00
h.m.
29/01 7.10
29/01 7.20
29/01 7.30
29/01 7.40
29/01 7.50
29/01 8.00

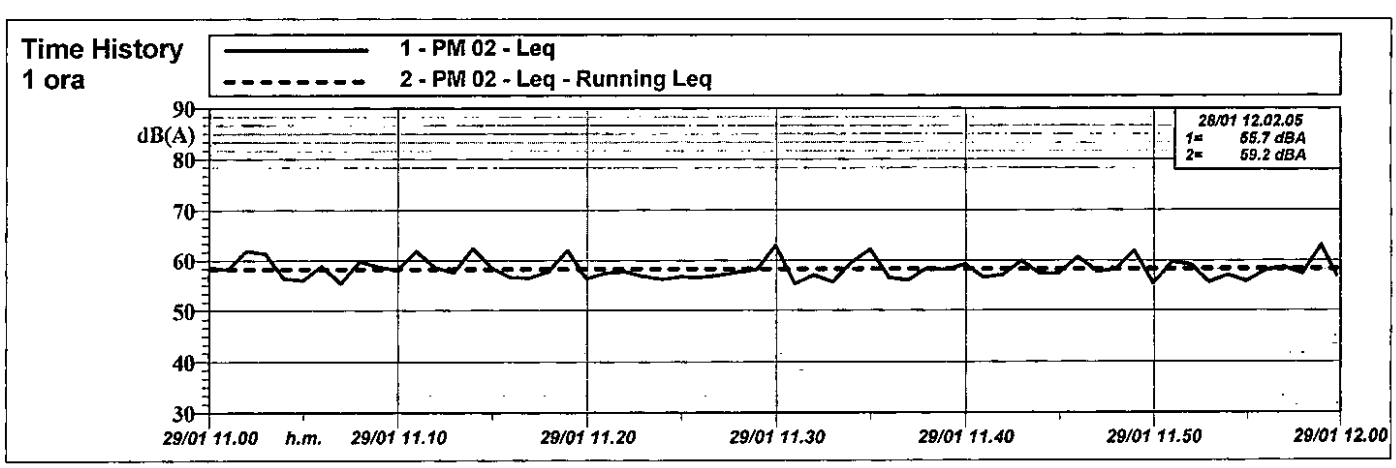
CARATTERIZZAZIONE ACUSTICA

Localizzazione punto di misura e sintesi del rilievo fonometrico



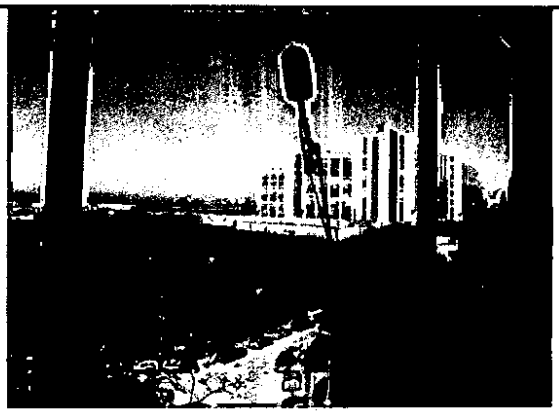






Progettazioni Ambiente e Trasporti	ACEA – IMPIANTO DI TOR DI VALLE Schede di rilevamento fonometrico

Tipo rilievo:	Monitoraggio acustico in ambiente esterno			**Punto di misura:**	**PM01**
Regione:	Lazio	**Provincia:**	Roma	**Comune:**	Roma
Localizzazione:	Via Nanchino, 26/28 (Quartiere Torrino)			**Zonizzazione:**	
Descrizione:	Il punto di misura è situato al 4° piano del fabbricato e alla distanza pari a circa 570 m dall'impianto ACEA.				
Data inizio misura:	25/02/10	**Data fine misura:**	26/02/10	**Tecnico competente:**	Ing. Tiziana Bastianello Regione Lazio n. 270
Ora inizio misura:	12:00:00	**Ora fine misura:**	12:00:00		

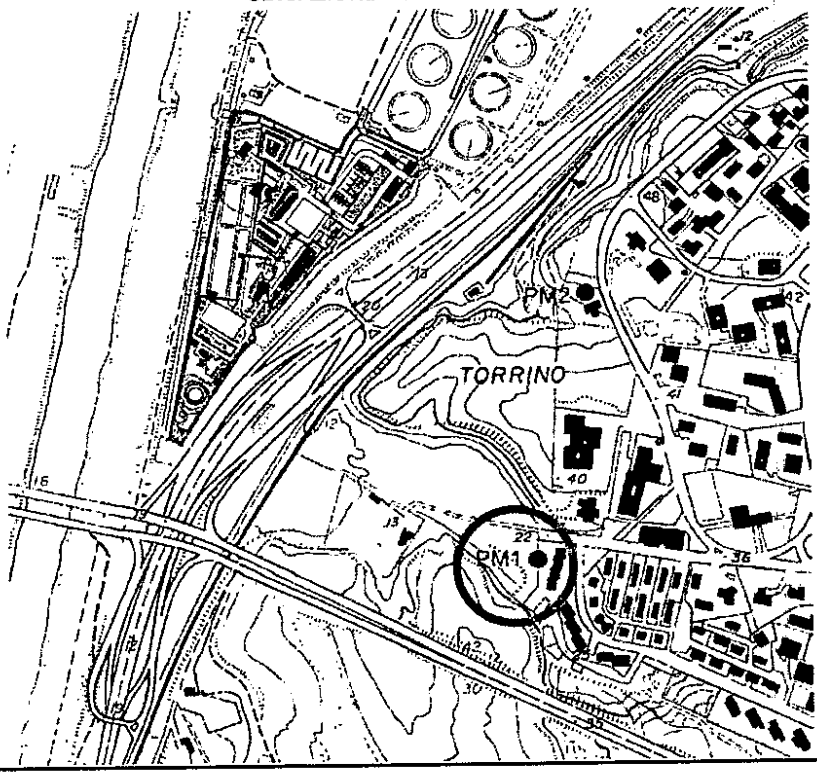


	SINTESI ELABORAZIONE ACUSTICA			
	Media impianto acceso		Media impianto spento	
	giorno	notte	giorno	notte
L_{Aeq}	56,6	47,7	-	-
L_{99}	51,1	42,2	-	-

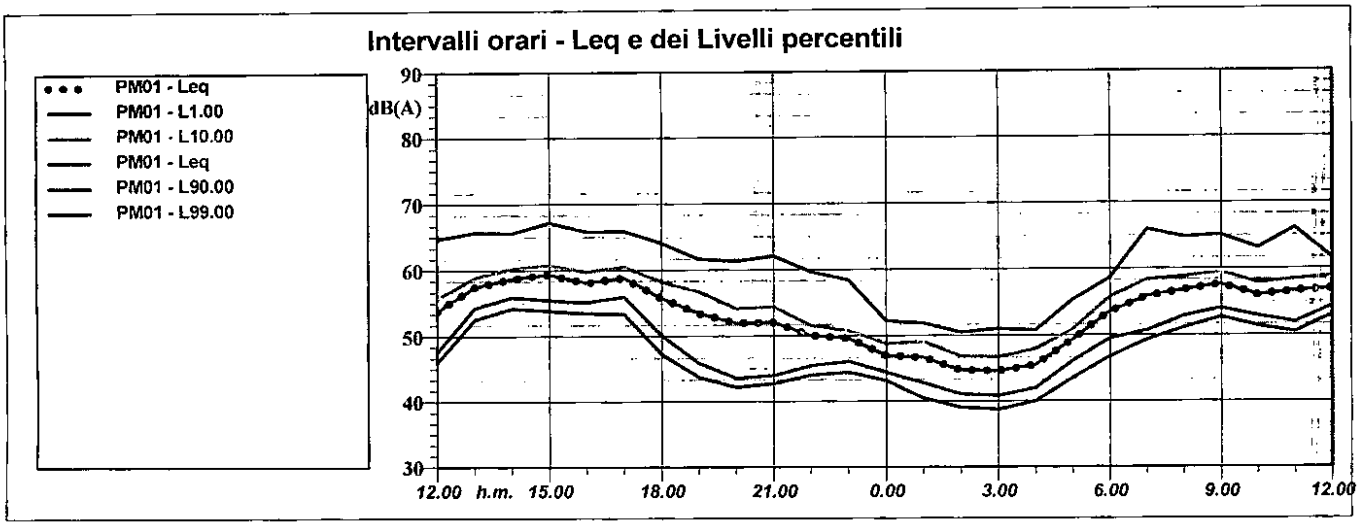
SINTESI PARAMETRI METEO		
	Min	Max
Temperatura [°C]	7	16
Umidità [%]	45	100
Vento V [m/s]/ dir. [°]	< 1,5 / var.	
Pioggia [mm]	assente	

NOTE:	Il clima acustico è caratterizzato da un rumore continuo di sottofondo della centrale. Ulteriori sorgenti sono il GRA (170 m) e la linea ferroviaria e la adiacente via del Mare (410 m). La TG1 è rimasta accesa per tutto il periodo di misura.

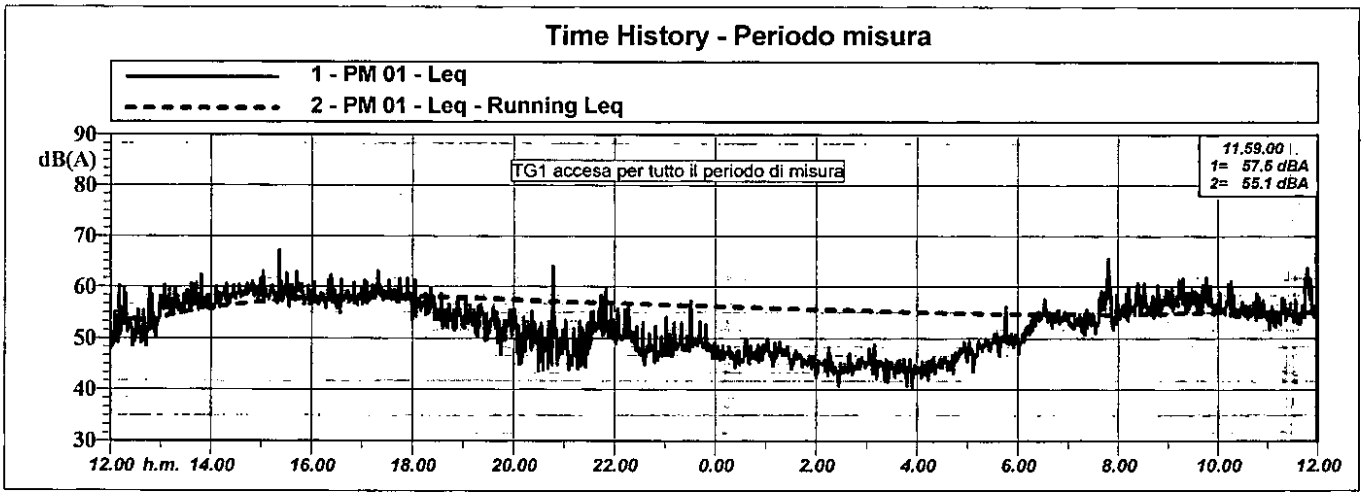
UBICAZIONE PUNTO DI MISURA

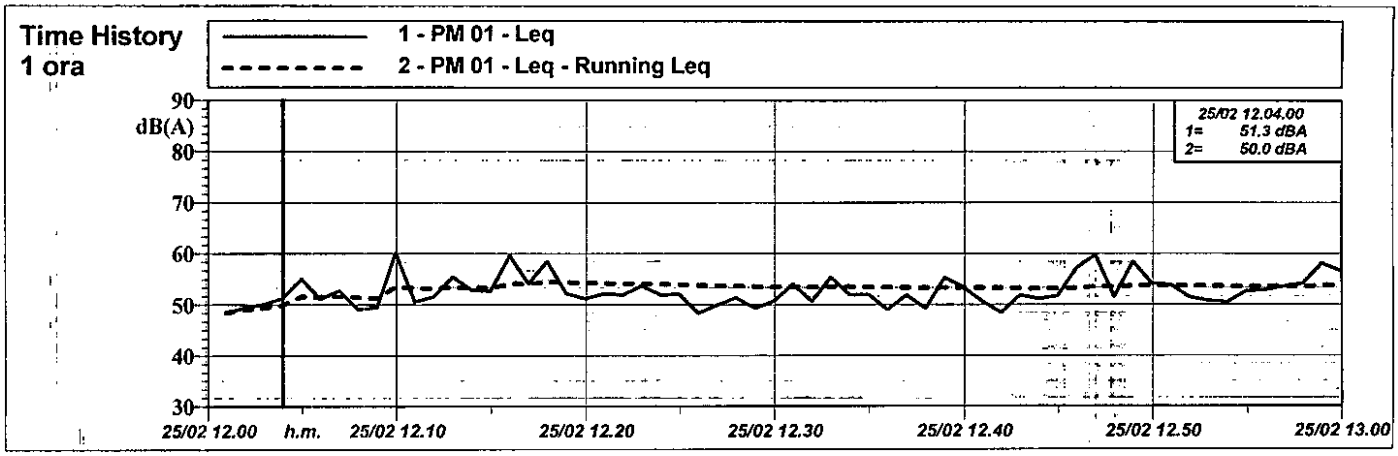


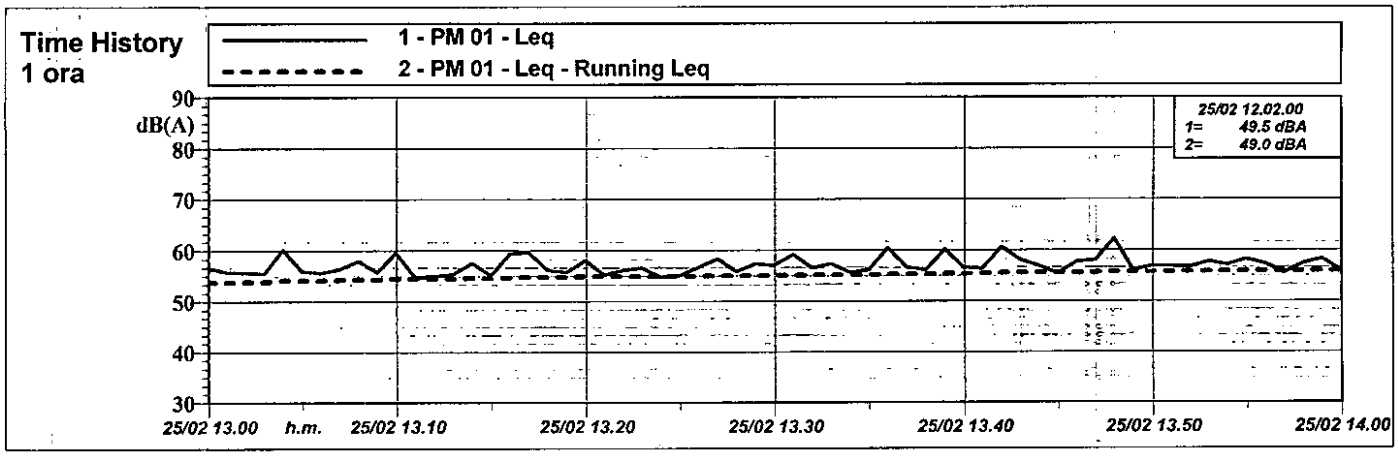
Stralcio planimetrico

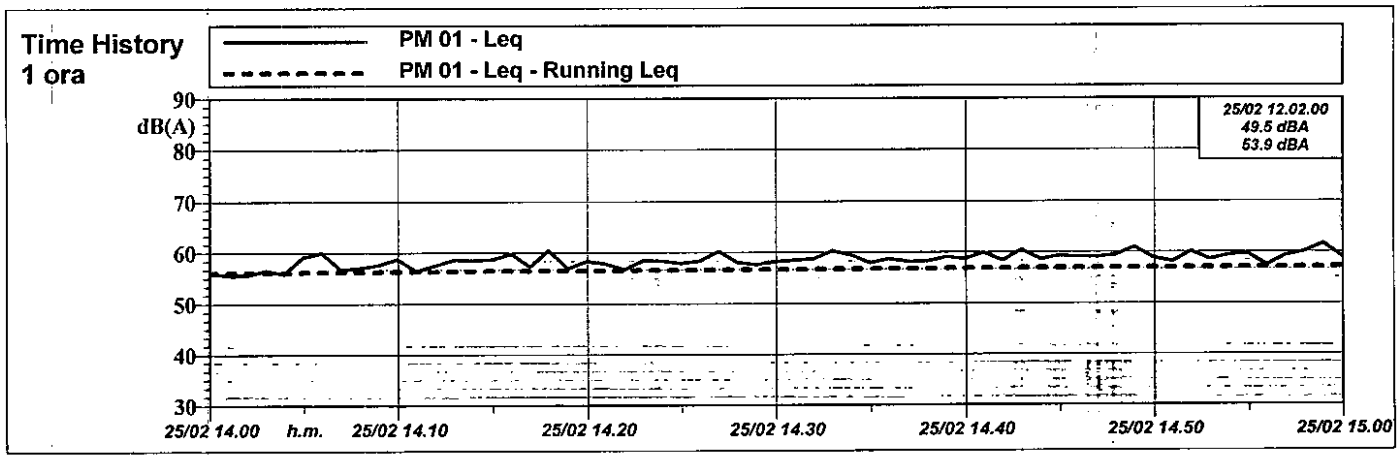


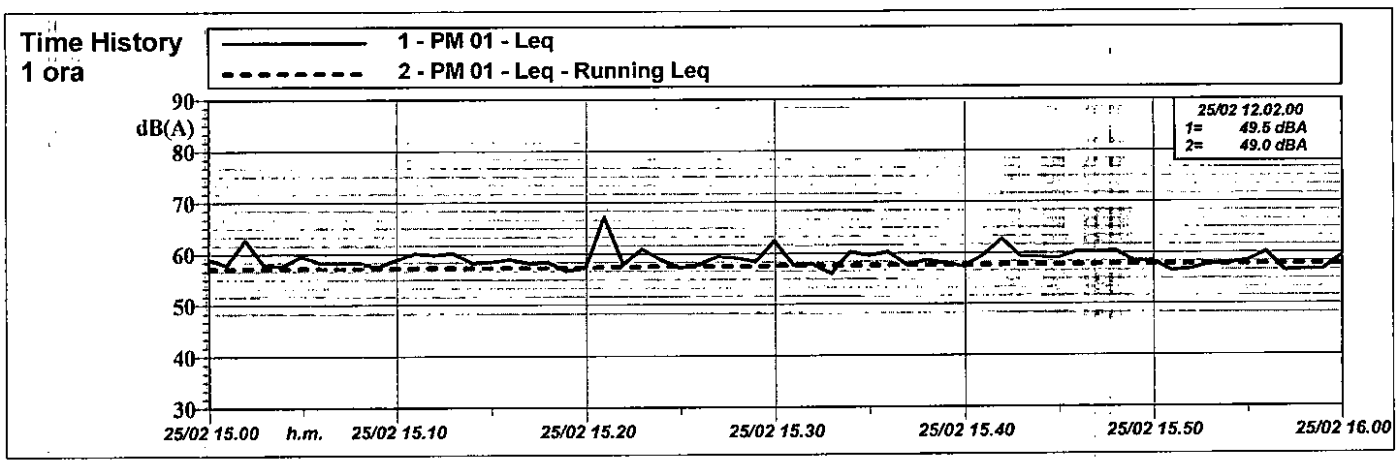
	LEQ	L1	L10	L50	L90	L99
12.00.00	53.9 dBA	64.7 dBA	55.7 dBA	53.9 dBA	47.7 dBA	46.0 dBA
13.00.00	57.5 dBA	65.7 dBA	58.9 dBA	57.5 dBA	54.3 dBA	52.6 dBA
14.00.00	58.8 dBA	65.6 dBA	60.3 dBA	58.8 dBA	55.9 dBA	54.2 dBA
15.00.00	59.4 dBA	67.2 dBA	60.8 dBA	59.4 dBA	55.5 dBA	53.9 dBA
16.00.00	58.1 dBA	65.9 dBA	59.8 dBA	58.1 dBA	55.1 dBA	53.5 dBA
17.00.00	58.9 dBA	65.9 dBA	60.6 dBA	58.9 dBA	56.0 dBA	53.4 dBA
18.00.00	55.8 dBA	64.1 dBA	58.3 dBA	55.8 dBA	50.1 dBA	47.3 dBA
19.00.00	53.5 dBA	61.7 dBA	56.7 dBA	53.5 dBA	45.9 dBA	43.7 dBA
20.00.00	52.0 dBA	61.3 dBA	54.2 dBA	52.0 dBA	43.6 dBA	42.3 dBA
21.00.00	52.1 dBA	62.1 dBA	54.4 dBA	52.1 dBA	44.0 dBA	42.7 dBA
22.00.00	50.1 dBA	59.7 dBA	51.6 dBA	50.1 dBA	45.4 dBA	44.0 dBA
23.00.00	49.7 dBA	58.5 dBA	50.8 dBA	49.7 dBA	46.1 dBA	44.5 dBA
0.00.00	47.0 dBA	52.3 dBA	48.8 dBA	47.0 dBA	44.4 dBA	43.1 dBA
1.00.00	46.7 dBA	51.9 dBA	49.1 dBA	46.7 dBA	42.8 dBA	40.4 dBA
2.00.00	44.7 dBA	50.5 dBA	46.9 dBA	44.7 dBA	41.1 dBA	39.1 dBA
3.00.00	44.6 dBA	51.0 dBA	46.8 dBA	44.6 dBA	40.8 dBA	38.7 dBA
4.00.00	45.5 dBA	50.8 dBA	48.0 dBA	45.5 dBA	42.0 dBA	40.0 dBA
5.00.00	49.4 dBA	55.4 dBA	51.0 dBA	49.4 dBA	46.2 dBA	43.5 dBA
6.00.00	53.6 dBA	58.7 dBA	55.8 dBA	53.6 dBA	49.5 dBA	46.8 dBA
7.00.00	55.9 dBA	66.0 dBA	58.4 dBA	55.9 dBA	50.7 dBA	49.4 dBA
8.00.00	56.9 dBA	64.8 dBA	58.8 dBA	56.9 dBA	53.0 dBA	51.2 dBA
9.00.00	57.7 dBA	65.1 dBA	59.5 dBA	57.7 dBA	54.1 dBA	52.7 dBA
10.00.00	56.0 dBA	63.1 dBA	57.9 dBA	56.0 dBA	52.8 dBA	51.4 dBA
11.00.00	56.7 dBA	66.1 dBA	58.4 dBA	56.7 dBA	52.0 dBA	50.5 dBA
12.00.00	57.0 dBA	61.6 dBA	58.9 dBA	57.0 dBA	54.3 dBA	53.1 dBA



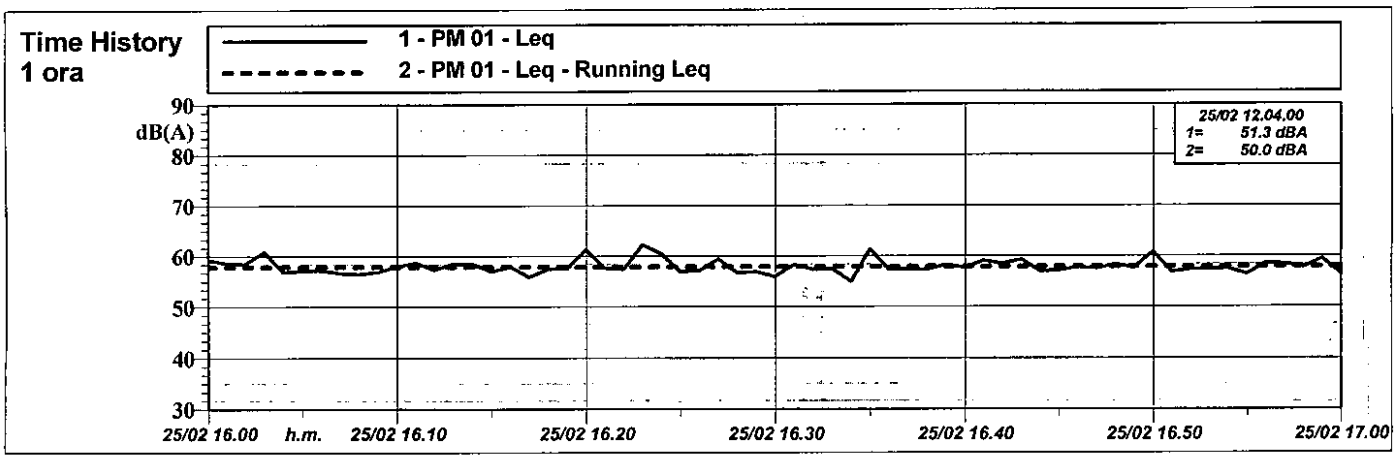

Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.04.00
1= 51.3 dBA
2= 50.0 dBA
25/02 12.00
h.m.
25/02 12.10
25/02 12.20
25/02 12.30
25/02 12.40
25/02 12.50
25/02 13.00

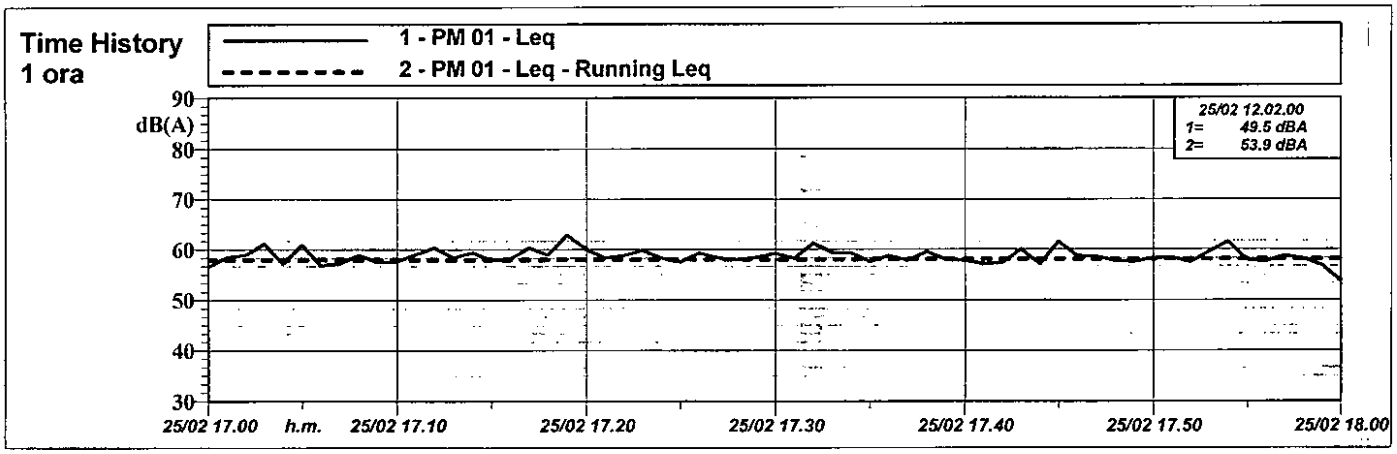

Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 49.5 dBA
2= 49.0 dBA
25/02 13.00
h.m.
25/02 13.10
25/02 13.20
25/02 13.30
25/02 13.40
25/02 13.50
25/02 14.00

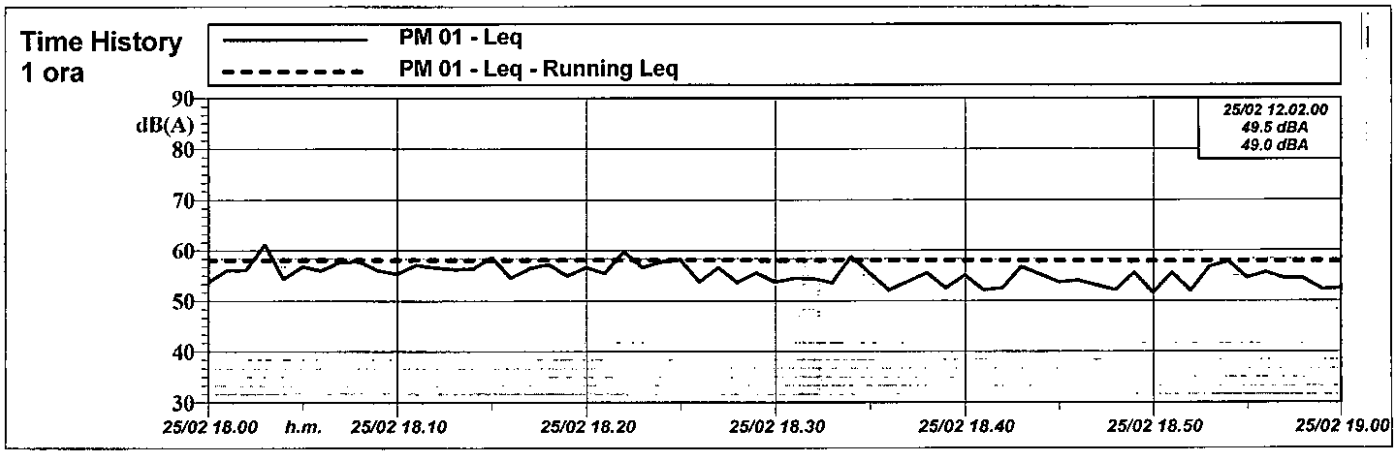

Time History
1 ora
PM 01 - Leq
PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
49.5 dBA
53.9 dBA
25/02 14.00
h.m.
25/02 14.10
25/02 14.20
25/02 14.30
25/02 14.40
25/02 14.50
25/02 15.00

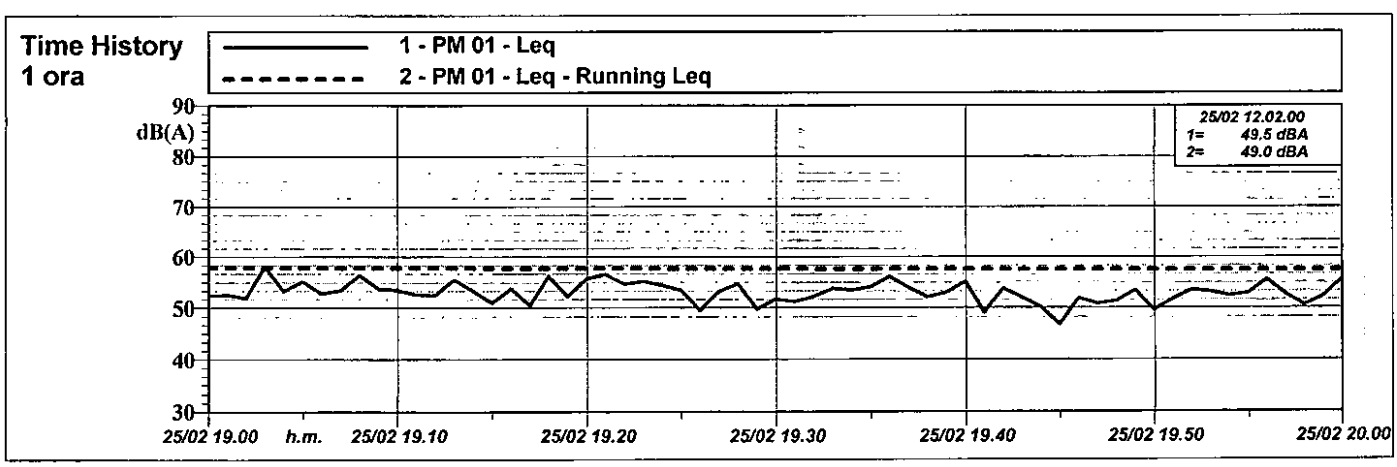

Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 49.5 dBA
2= 49.0 dBA
25/02 15.00
h.m.
25/02 15.10
25/02 15.20
25/02 15.30
25/02 15.40
25/02 15.50
25/02 16.00

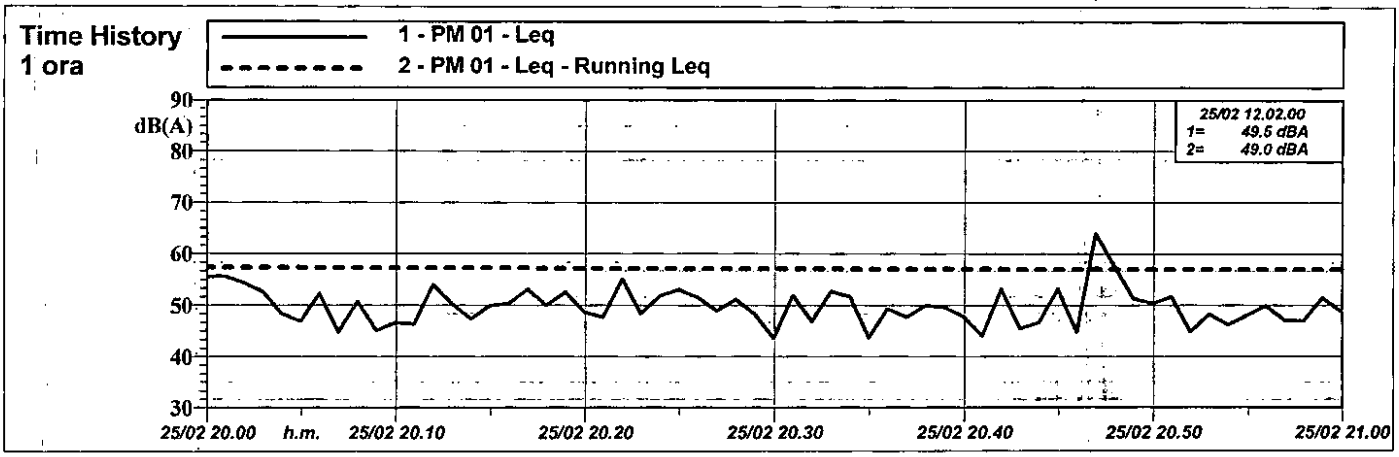
Progettazioni Ambientale e Trasporti	CARATTERIZZAZIONE ACUSTICA Localizzazione punto di misura e sintesi del rilievo fonometrico

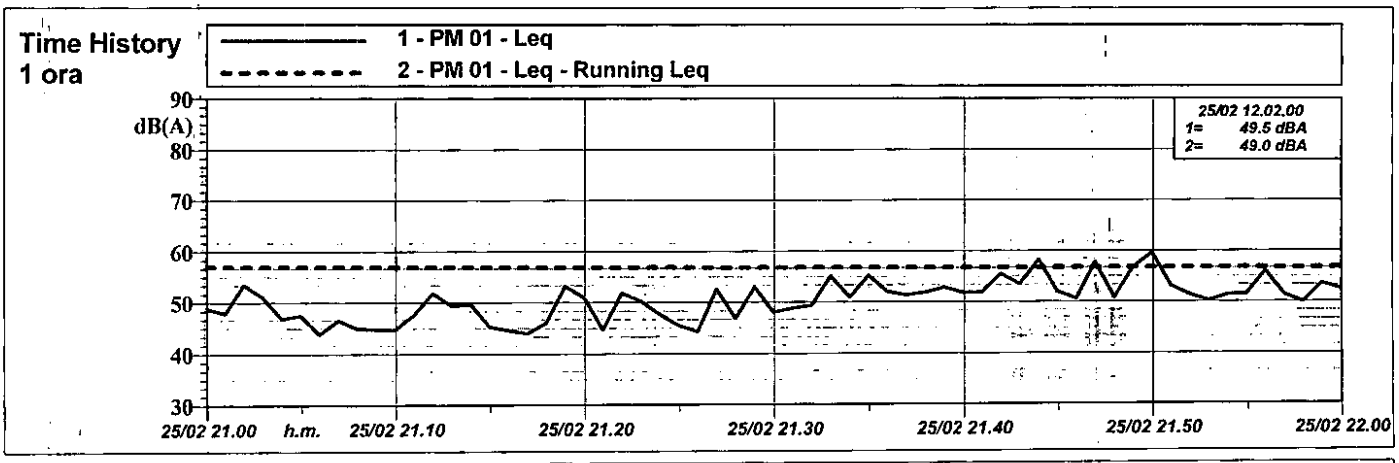


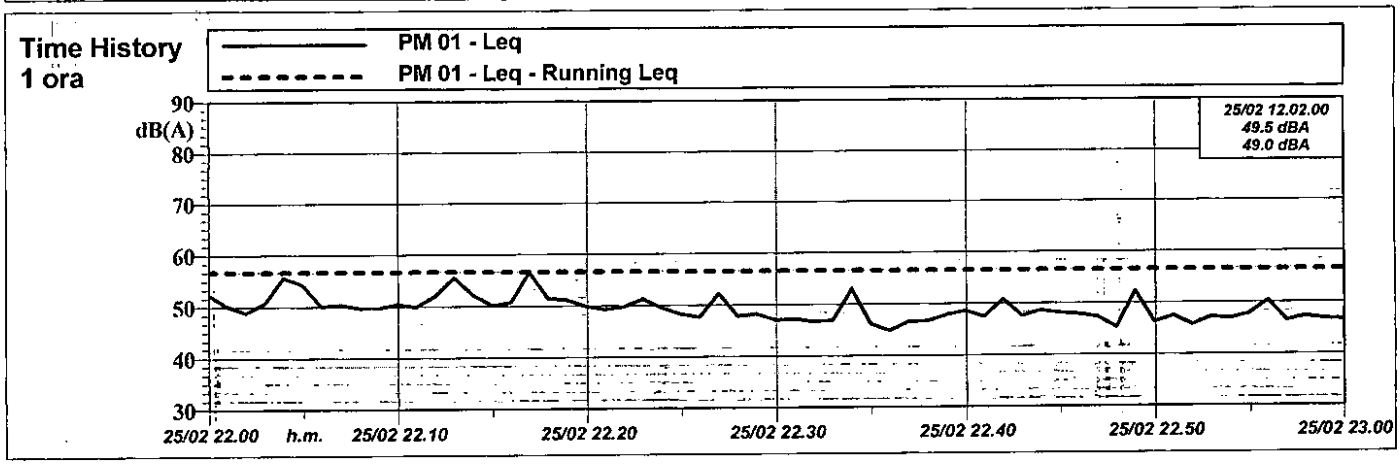


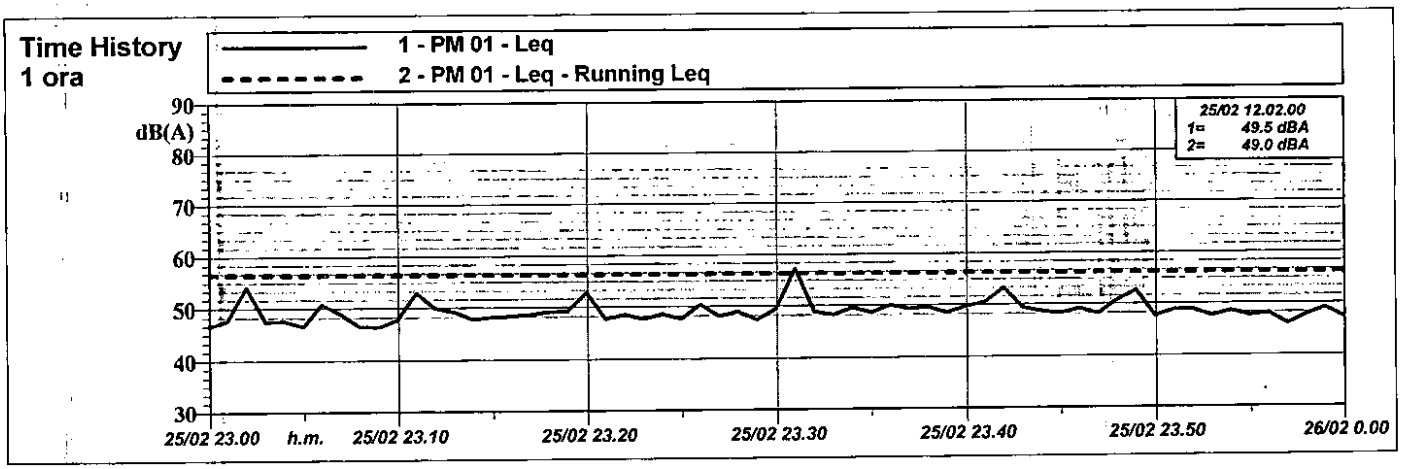


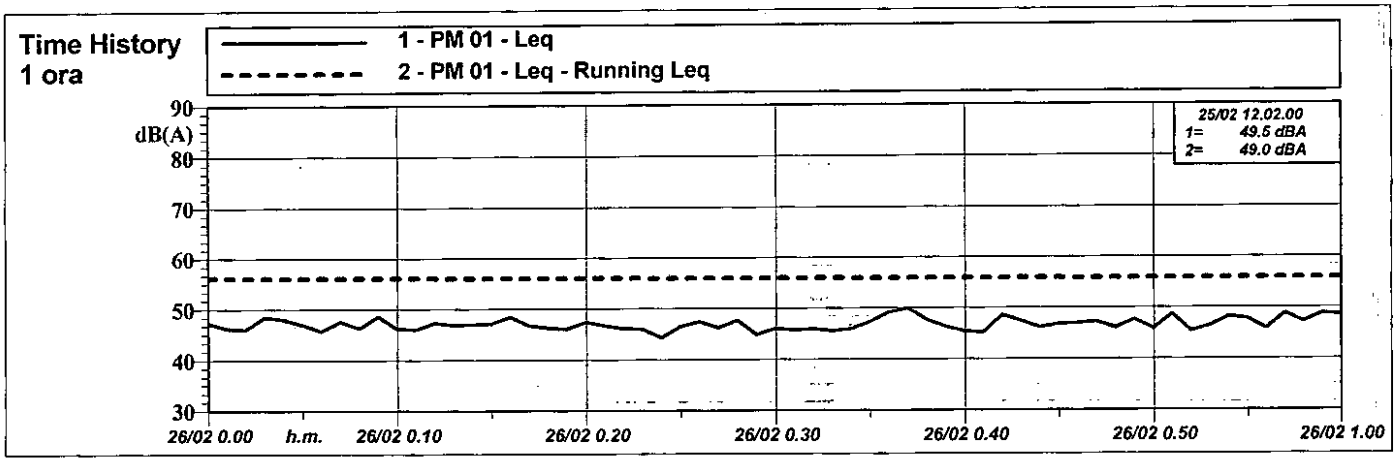


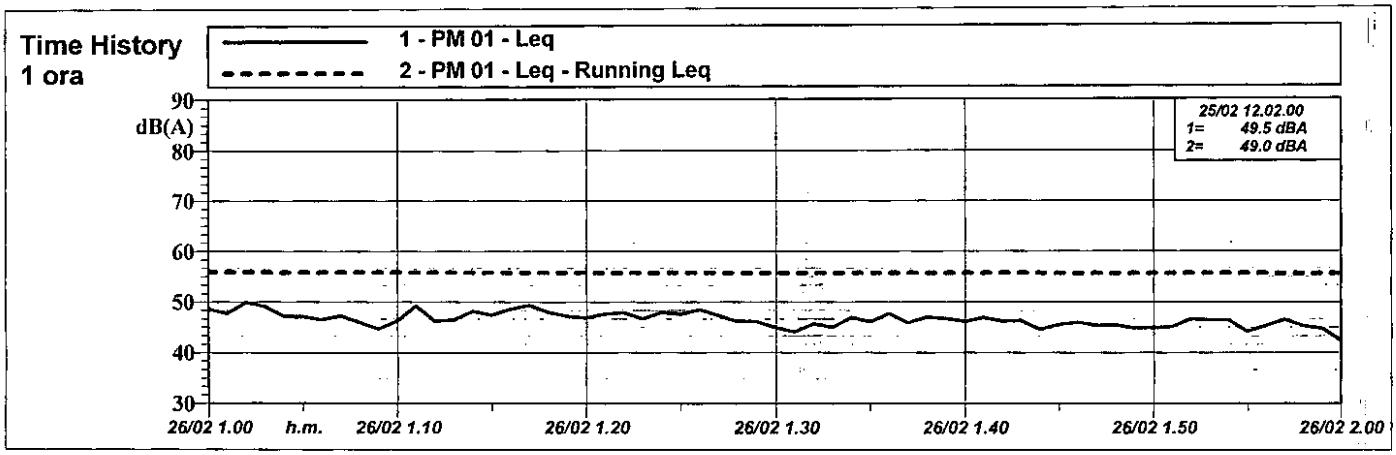

Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 49.5 dBA
2= 49.0 dBA
25/02 20.00
h.m.
25/02 20.10
25/02 20.20
25/02 20.30
25/02 20.40
25/02 20.50
25/02 21.00

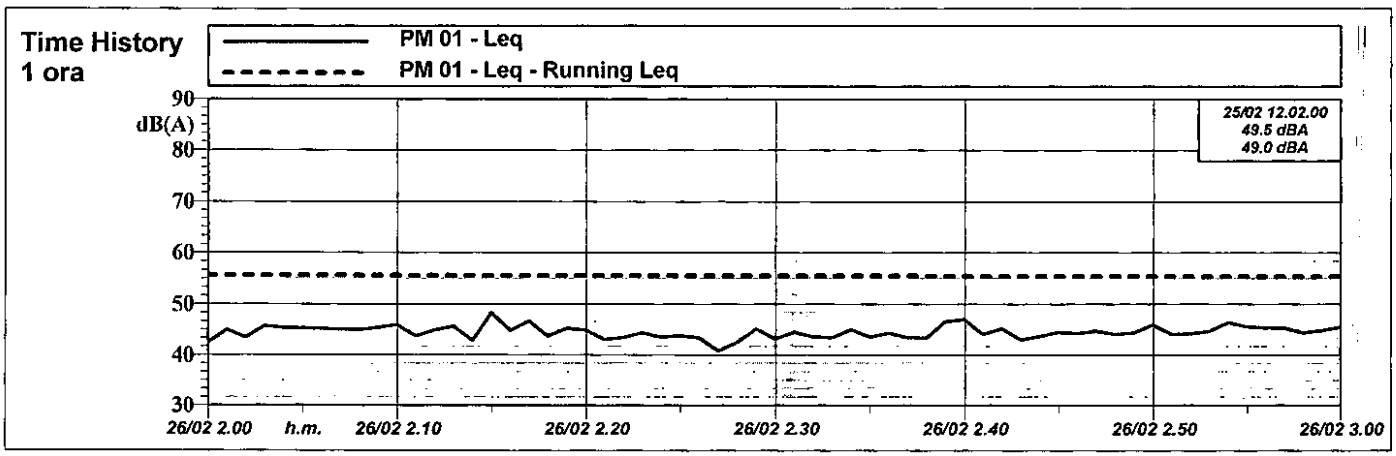

Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 49.5 dBA
2= 49.0 dBA
25/02 21.00
h.m.
25/02 21.10
25/02 21.20
25/02 21.30
25/02 21.40
25/02 21.50
25/02 22.00

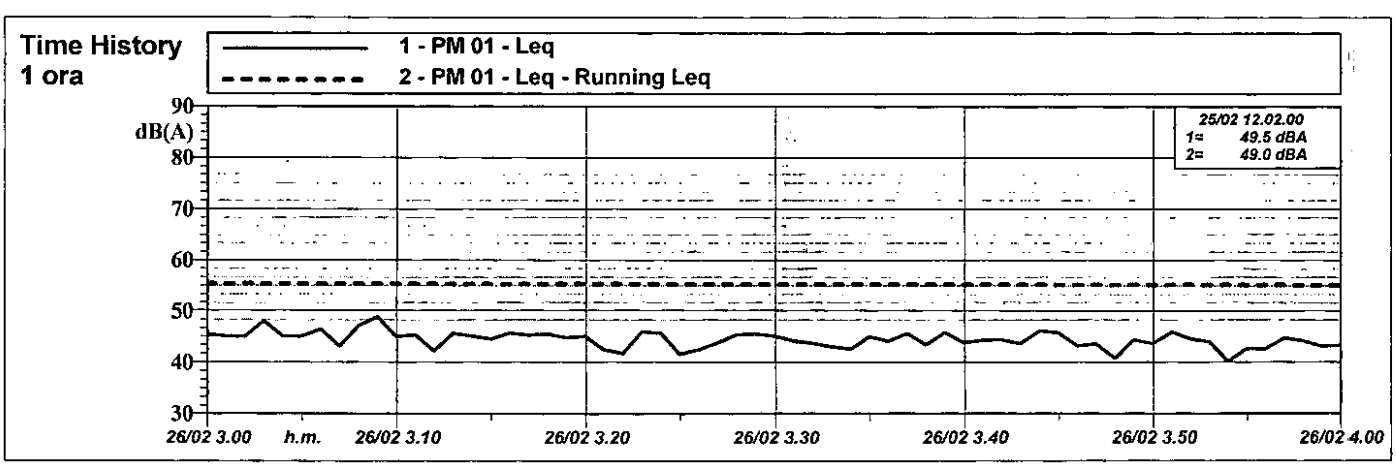

Time History
1 ora
PM 01 - Leq
PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
49.5 dBA
49.0 dBA
25/02 22.00
h.m.
25/02 22.10
25/02 22.20
25/02 22.30
25/02 22.40
25/02 22.50
25/02 23.00

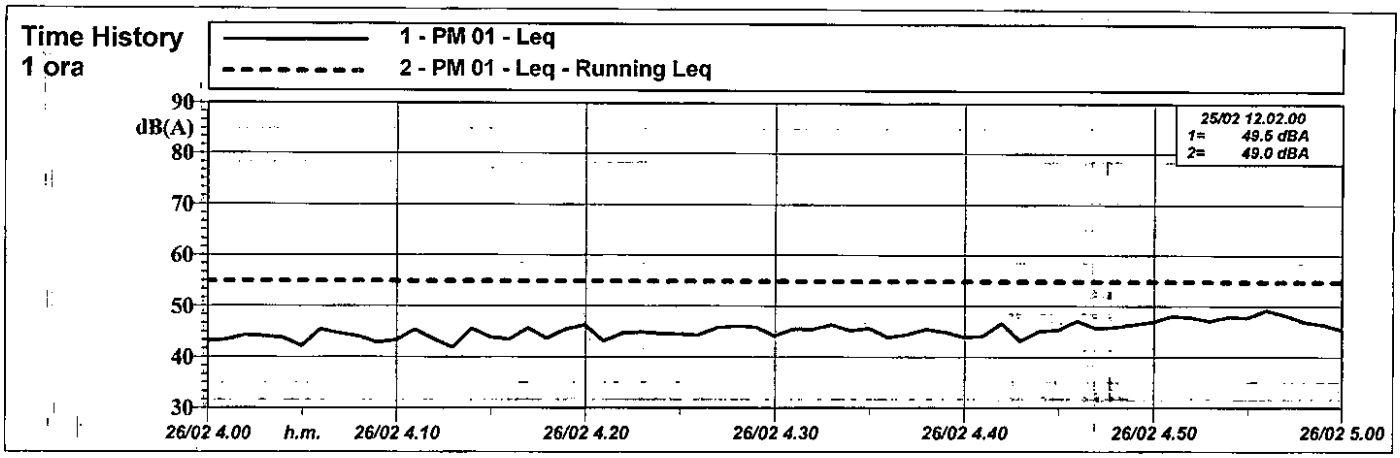

Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 49.5 dBA
2= 49.0 dBA
25/02 23.00
h.m.
25/02 23.10
25/02 23.20
25/02 23.30
25/02 23.40
25/02 23.50
26/02 0.00

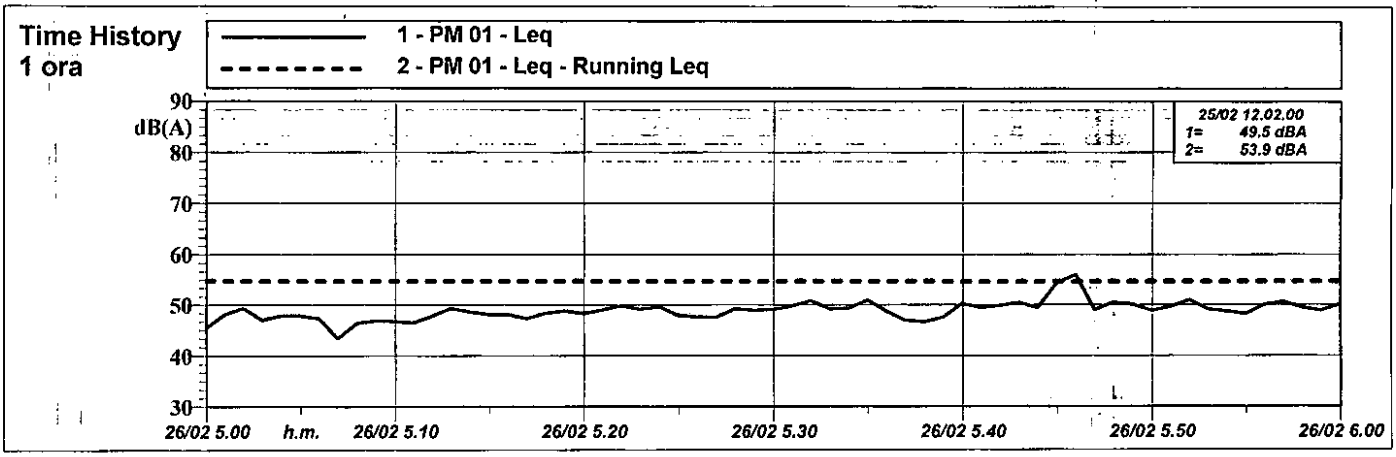

Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 49.5 dBA
2= 49.0 dBA
26/02 0.00
h.m.
26/02 0.10
26/02 0.20
26/02 0.30
26/02 0.40
26/02 0.50
26/02 1.00

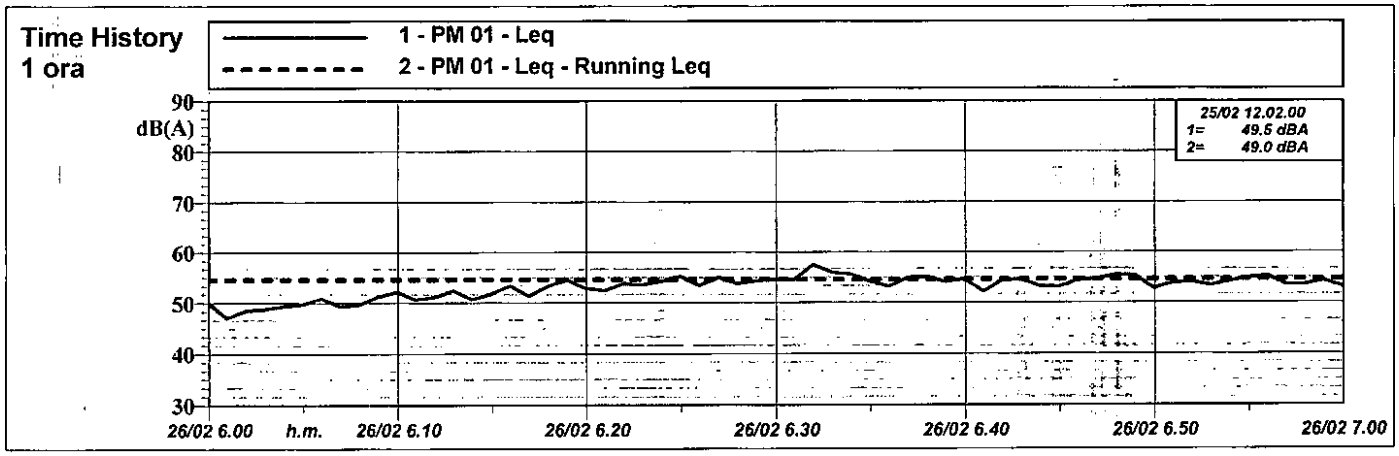

Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 49.5 dBA
2= 49.0 dBA
26/02 1.00
h.m.
26/02 1.10
26/02 1.20
26/02 1.30
26/02 1.40
26/02 1.50
26/02 2.00

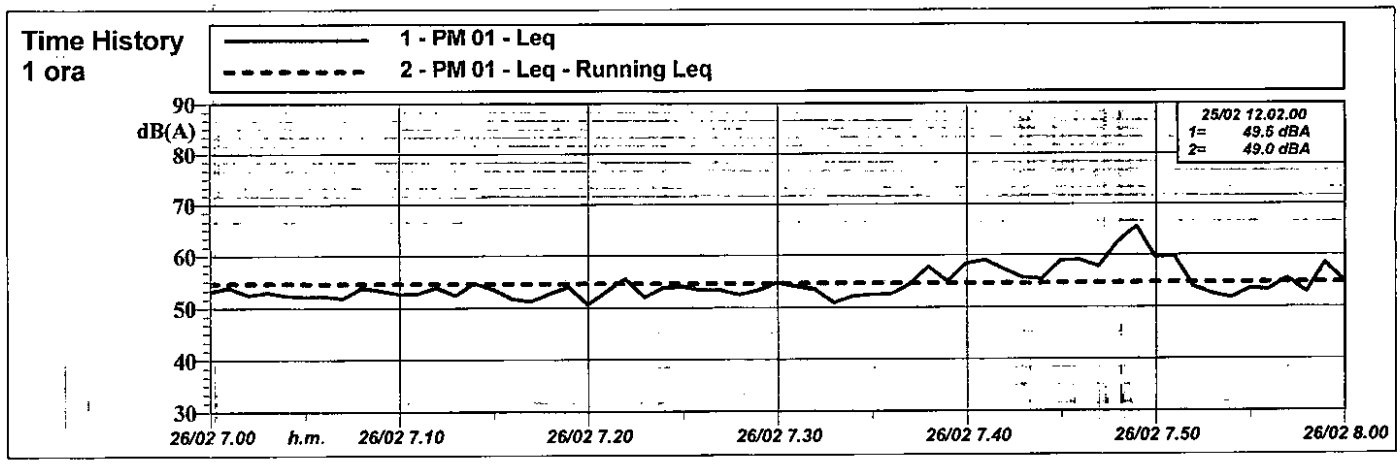

Time History
1 ora
PM 01 - Leq
PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
49.5 dBA
49.0 dBA
26/02 2.00
h.m.
26/02 2.10
26/02 2.20
26/02 2.30
26/02 2.40
26/02 2.50
26/02 3.00


Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 49.5 dBA
2= 49.0 dBA
26/02 3.00
h.m.
26/02 3.10
26/02 3.20
26/02 3.30
26/02 3.40
26/02 3.50
26/02 4.00


Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 49.5 dBA
2= 49.0 dBA
26/02 4.00
h.m.
26/02 4.10
26/02 4.20
26/02 4.30
26/02 4.40
26/02 4.50
26/02 5.00


Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 49.5 dBA
2= 53.9 dBA
26/02 5.00
h.m.
26/02 5.10
26/02 5.20
26/02 5.30
26/02 5.40
26/02 5.50
26/02 6.00

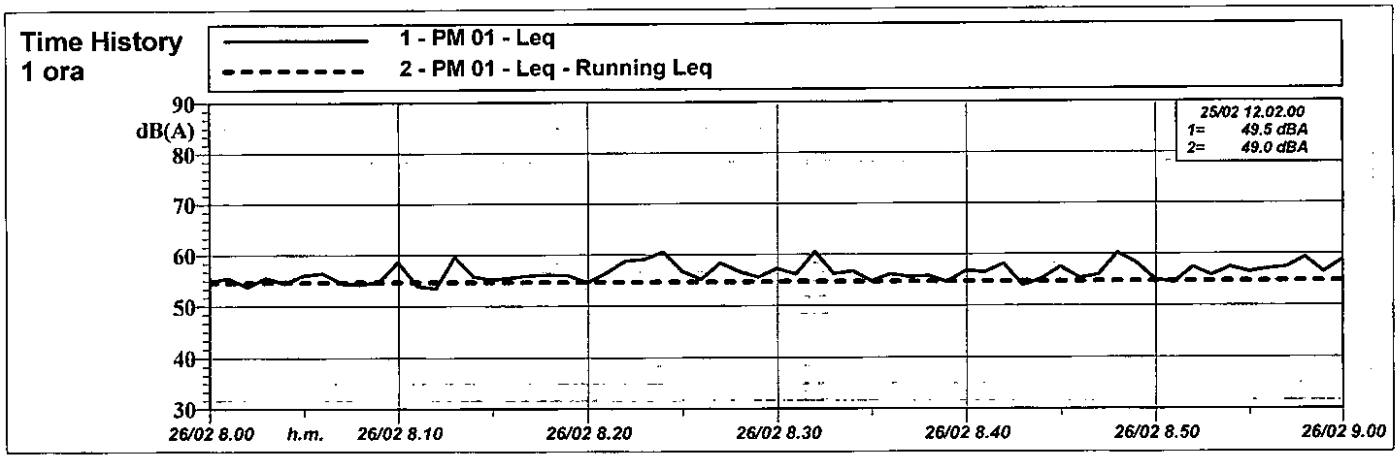

Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 49.5 dBA
2= 49.0 dBA
26/02 6.00
h.m.
26/02 6.10
26/02 6.20
26/02 6.30
26/02 6.40
26/02 6.50
26/02 7.00

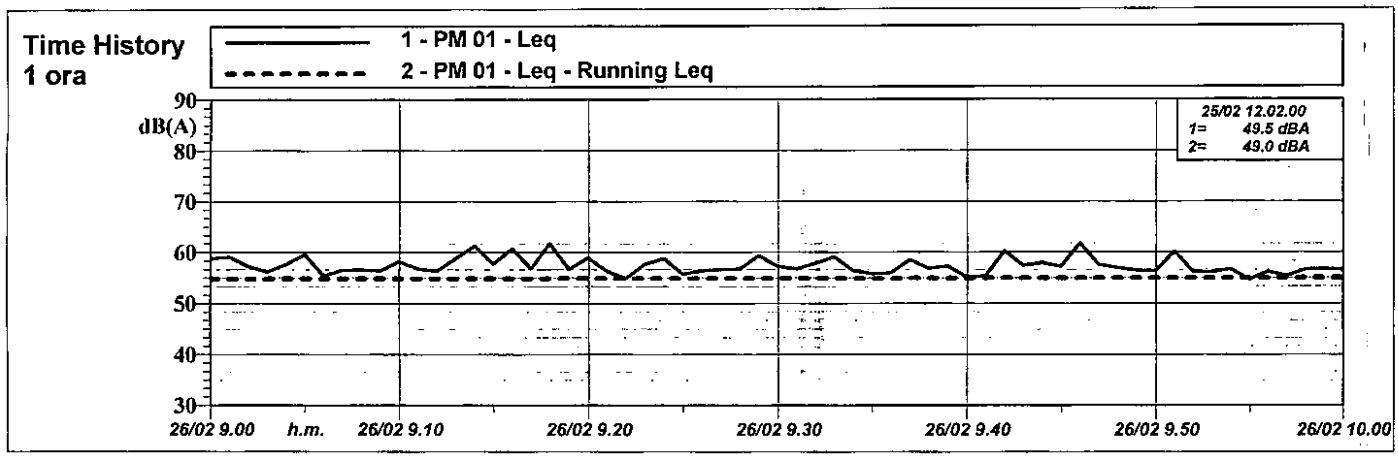

Time History
1 ora
1 - PM 01 - Leq
2 - PM 01 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 49.5 dBA
2= 49.0 dBA
26/02 7.00
h.m.
26/02 7.10
26/02 7.20
26/02 7.30
26/02 7.40
26/02 7.50
26/02 8.00

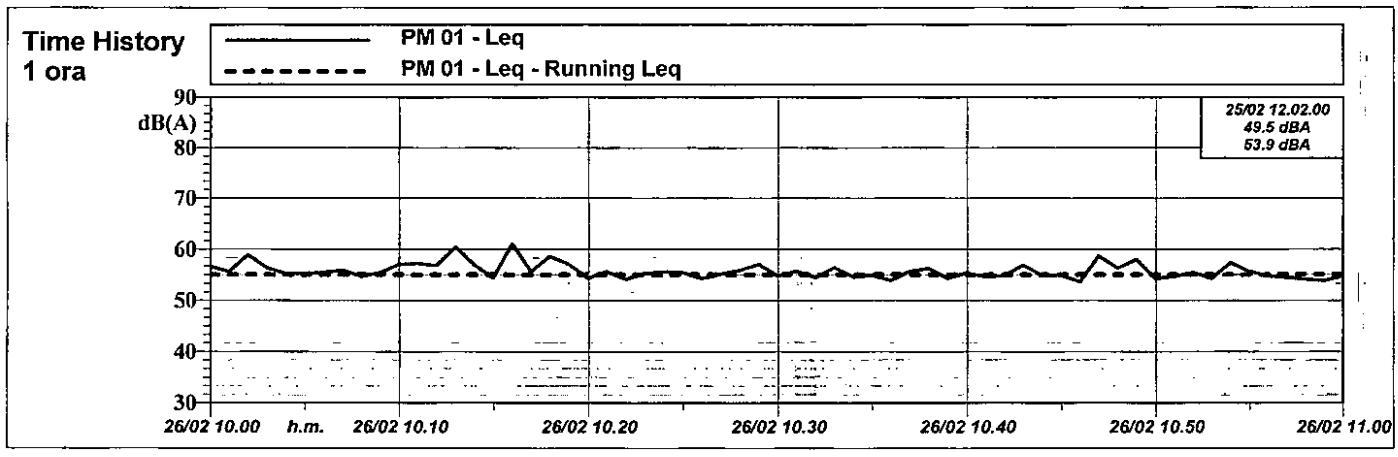
Progettazioni Ambientale e Trasporti

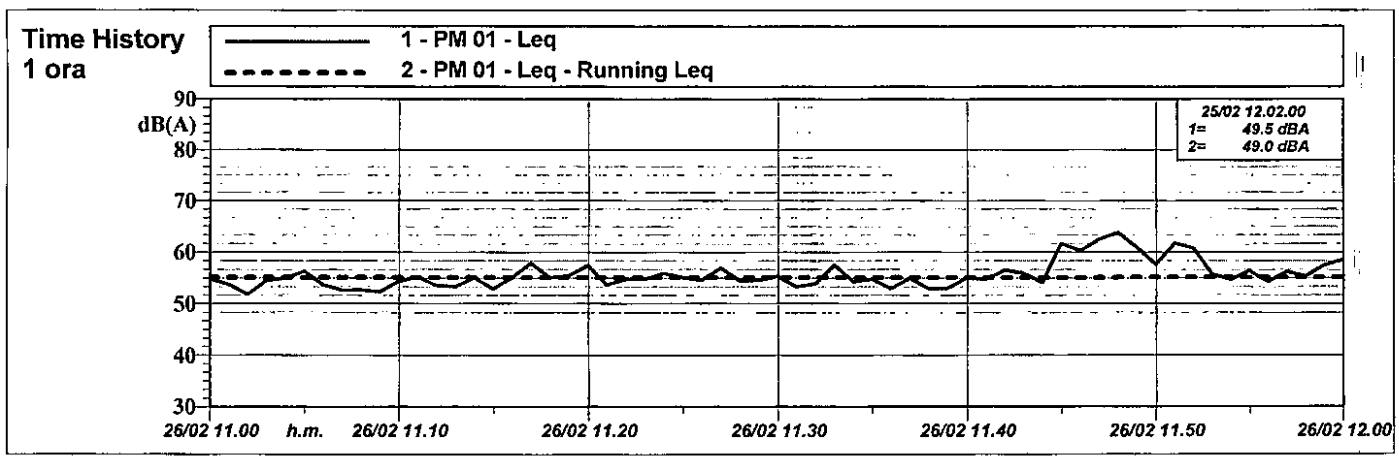
CARATTERIZZAZIONE ACUSTICA

Localizzazione punto di misura e sintesi del rilievo fonometrico









Progettazioni Ambiente e Trasporti	ACEA – IMPIANTO DI TOR DI VALLE Schede di rilevamento fonometrico

Tipo rilievo:	Monitoraggio acustico in ambiente esterno			**Punto di misura:**	**PM02**
Regione:	Lazio	**Provincia:**	Roma	**Comune:**	Roma
Localizzazione:	Via Fiume Giallo, 113 (Quartiere Torrino)			**Zonizzazione:**	
Descrizione:	Il punto di misura è situato al 4° piano del fabbricato e alla distanza pari a circa 320 m dall'impianto ACEA.				
Data inizio misura:	25/02/10	**Data fine misura:**	26/02/10	**Tecnico competente:**	Ing. Tiziana Bastianello Regione Lazio n. 270
Ora inizio misura:	12:00:00	**Ora fine misura:**	12:00:00		

SINTESI ELABORAZIONE ACUSTICA

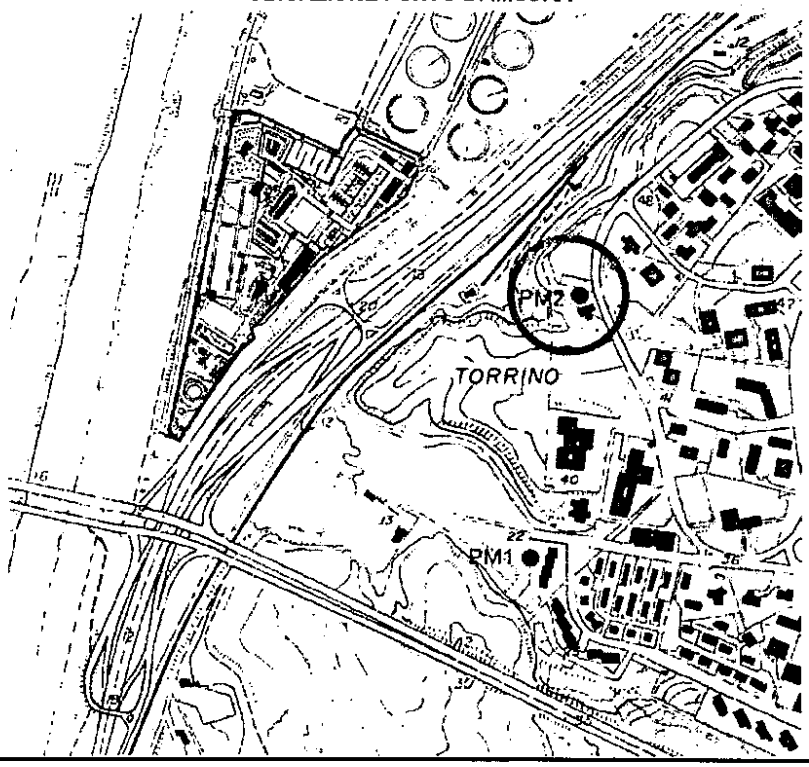
	Media impianto acceso		Media impianto spento	
	giorno	notte	giorno	notte
L_{Aeq}	58,7	52,5	-	-
L_{99}	53,4	47,8	-	-

SINTESI PARAMETRI METEO

	Min	Max
Temperatura [°C]	7	16
Umidità [%]	45	100
Vento V [m/s]/ dir. [°]	< 1,5 / variabile	
Pioggia [mm]	assente	

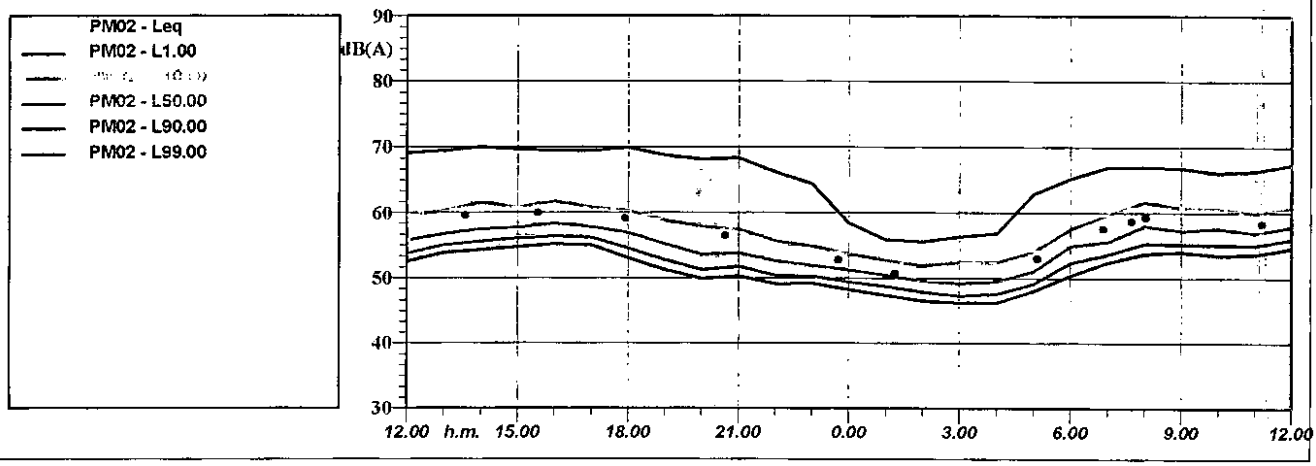
NOTE: Il clima acustico è caratterizzato da un rumore continuo di sottofondo della centrale. Ulteriori sorgenti sono il GRA (570 m) e la linea ferroviaria e la adiacente via del Mare (160 m).
La TG1 è rimasta accesa per tutto il periodo di misura.

UBICAZIONE PUNTO DI MISURA



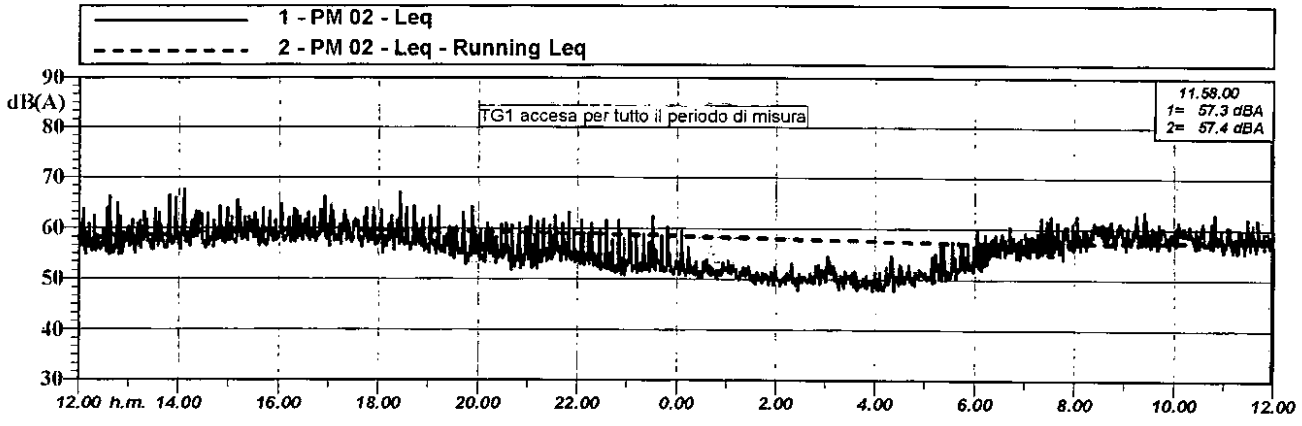
Stralcio planimetrico

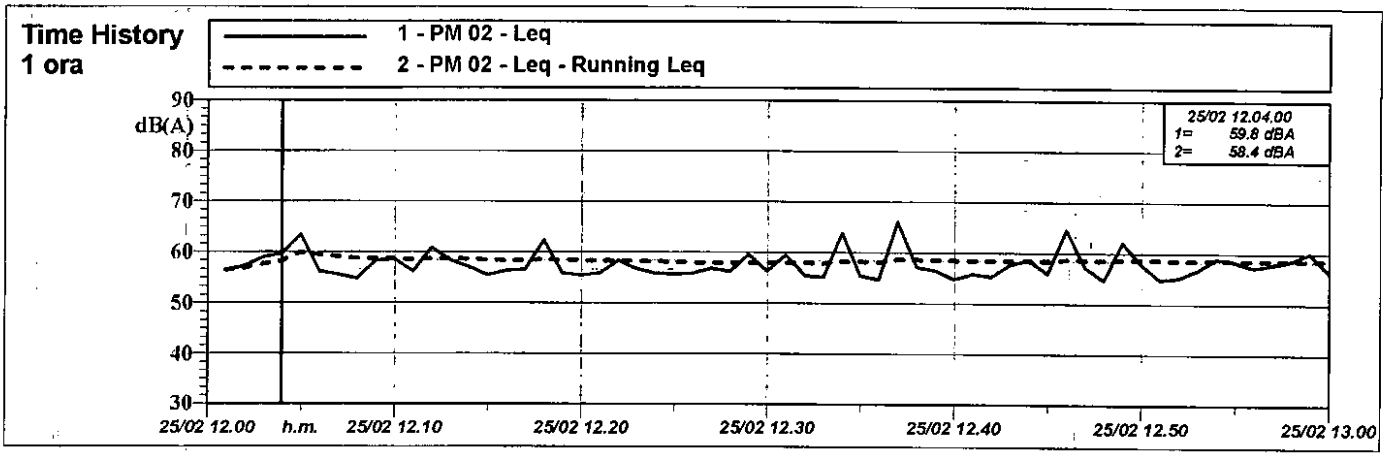
Intervalli orari - Leq e dei Livelli percentili



	LEQ	L1	L10	L50	L90	L99
12.00.00	58.6 dBA	69.1 dBA	59.6 dBA	55.8 dBA	53.7 dBA	52.5 dBA
13.00.00	59.2 dBA	69.5 dBA	60.3 dBA	56.7 dBA	55.0 dBA	53.8 dBA
14.00.00	60.0 dBA	70.1 dBA	61.6 dBA	57.5 dBA	55.6 dBA	54.3 dBA
15.00.00	59.8 dBA	69.6 dBA	60.8 dBA	57.7 dBA	56.0 dBA	54.7 dBA
16.00.00	60.3 dBA	69.6 dBA	61.8 dBA	58.4 dBA	56.3 dBA	55.2 dBA
17.00.00	59.7 dBA	69.5 dBA	60.9 dBA	57.8 dBA	56.1 dBA	55.0 dBA
18.00.00	59.2 dBA	70.0 dBA	60.4 dBA	56.9 dBA	54.5 dBA	53.1 dBA
19.00.00	57.7 dBA	68.8 dBA	58.9 dBA	55.1 dBA	52.8 dBA	51.3 dBA
20.00.00	56.5 dBA	68.2 dBA	57.9 dBA	53.7 dBA	51.3 dBA	50.0 dBA
21.00.00	56.6 dBA	68.4 dBA	57.5 dBA	53.8 dBA	51.7 dBA	50.3 dBA
22.00.00	55.2 dBA	66.2 dBA	55.7 dBA	52.6 dBA	50.4 dBA	49.2 dBA
23.00.00	54.3 dBA	64.5 dBA	54.9 dBA	52.0 dBA	50.4 dBA	49.3 dBA
0.00.00	52.2 dBA	58.5 dBA	53.8 dBA	51.2 dBA	49.5 dBA	48.3 dBA
1.00.00	50.9 dBA	55.9 dBA	52.7 dBA	50.4 dBA	48.7 dBA	47.4 dBA
2.00.00	50.3 dBA	55.6 dBA	52.0 dBA	49.6 dBA	47.9 dBA	46.6 dBA
3.00.00	50.4 dBA	56.3 dBA	52.4 dBA	49.2 dBA	47.3 dBA	46.2 dBA
4.00.00	50.5 dBA	56.8 dBA	52.5 dBA	49.6 dBA	47.6 dBA	46.3 dBA
5.00.00	52.8 dBA	63.0 dBA	54.0 dBA	51.1 dBA	49.1 dBA	48.0 dBA
6.00.00	56.2 dBA	65.3 dBA	57.5 dBA	54.9 dBA	52.4 dBA	50.4 dBA
7.00.00	57.8 dBA	67.0 dBA	59.8 dBA	55.6 dBA	53.7 dBA	52.5 dBA
8.00.00	59.3 dBA	67.1 dBA	61.6 dBA	58.1 dBA	55.3 dBA	53.7 dBA
9.00.00	58.8 dBA	66.9 dBA	60.8 dBA	57.3 dBA	55.2 dBA	54.0 dBA
10.00.00	58.7 dBA	66.1 dBA	60.7 dBA	57.6 dBA	55.1 dBA	53.5 dBA
11.00.00	58.2 dBA	66.4 dBA	59.9 dBA	56.9 dBA	55.0 dBA	53.6 dBA
12.00.00	59.2 dBA	67.4 dBA	60.8 dBA	57.9 dBA	55.9 dBA	54.6 dBA

Time History - Periodo misura




Time History
1 ora
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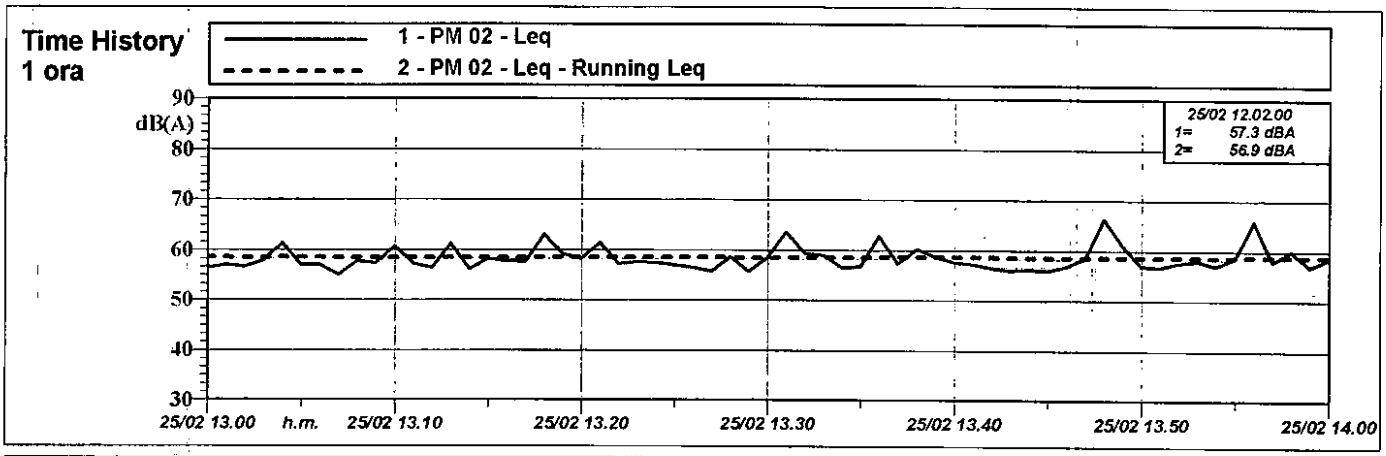
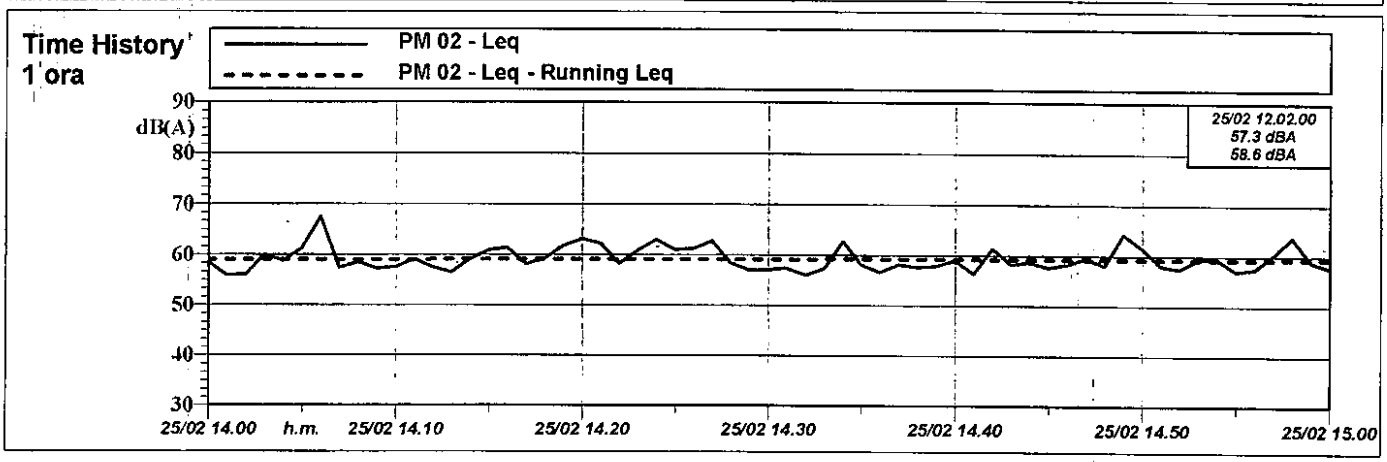
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.04.00
1= 59.8 dBA
2= 58.4 dBA
25/02 12.00
h.m.
25/02 12.10
25/02 12.20
25/02 12.30
25/02 12.40
25/02 12.50
25/02 13.00


Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 57.3 dBA
2= 56.9 dBA
25/02 13.00
h.m.
25/02 13.10
25/02 13.20
25/02 13.30
25/02 13.40
25/02 13.50
25/02 14.00


Time History
1 ora
PM 02 - Leq
PM 02 - Leq - Running Leq
dB(A)
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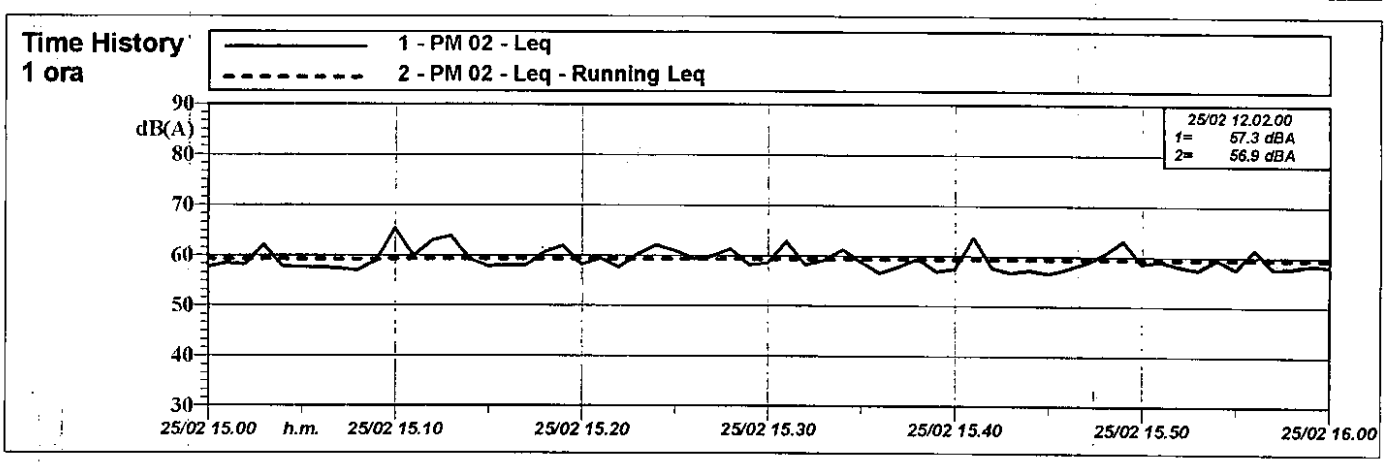
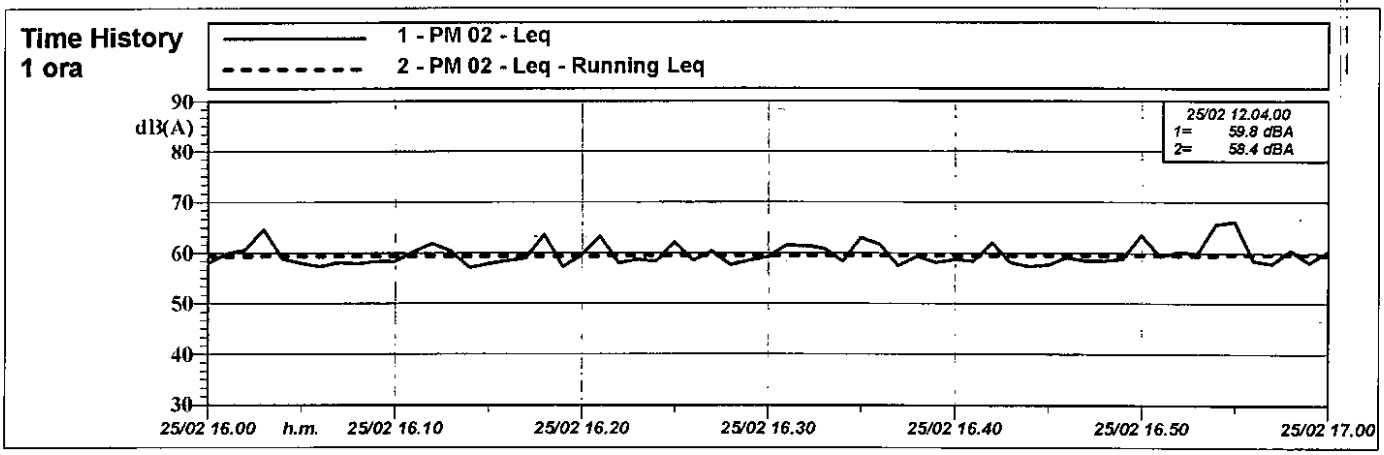
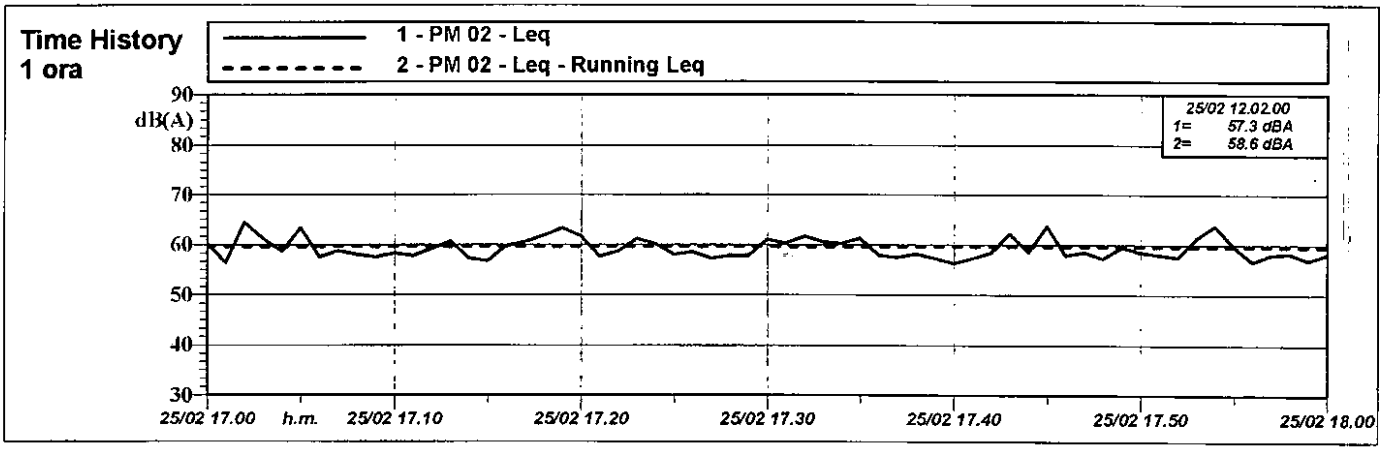
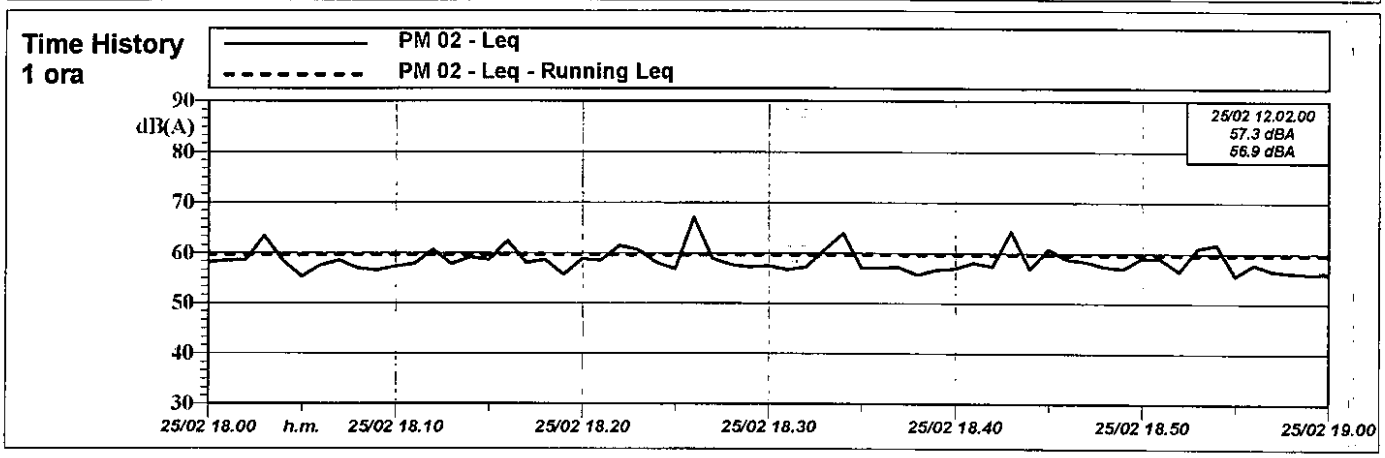
80
70
60
50
40
30
25/02 12.02.00
57.3 dBA
58.6 dBA
25/02 14.00
h.m.
25/02 14.10
25/02 14.20
25/02 14.30
25/02 14.40
25/02 14.50
25/02 15.00


Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 57.3 dBA
2= 56.9 dBA
25/02 15.00
h.m.
25/02 15.10
25/02 15.20
25/02 15.30
25/02 15.40
25/02 15.50
25/02 16.00


Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.04.00
1= 59.8 dBA
2= 58.4 dBA
25/02 16.00
h.m.
25/02 16.10
25/02 16.20
25/02 16.30
25/02 16.40
25/02 16.50
25/02 17.00


Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 57.3 dBA
2= 58.6 dBA
25/02 17.00
h.m.
25/02 17.10
25/02 17.20
25/02 17.30
25/02 17.40
25/02 17.50
25/02 18.00


Time History
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PM 02 - Leq
PM 02 - Leq - Running Leq
dB(A)
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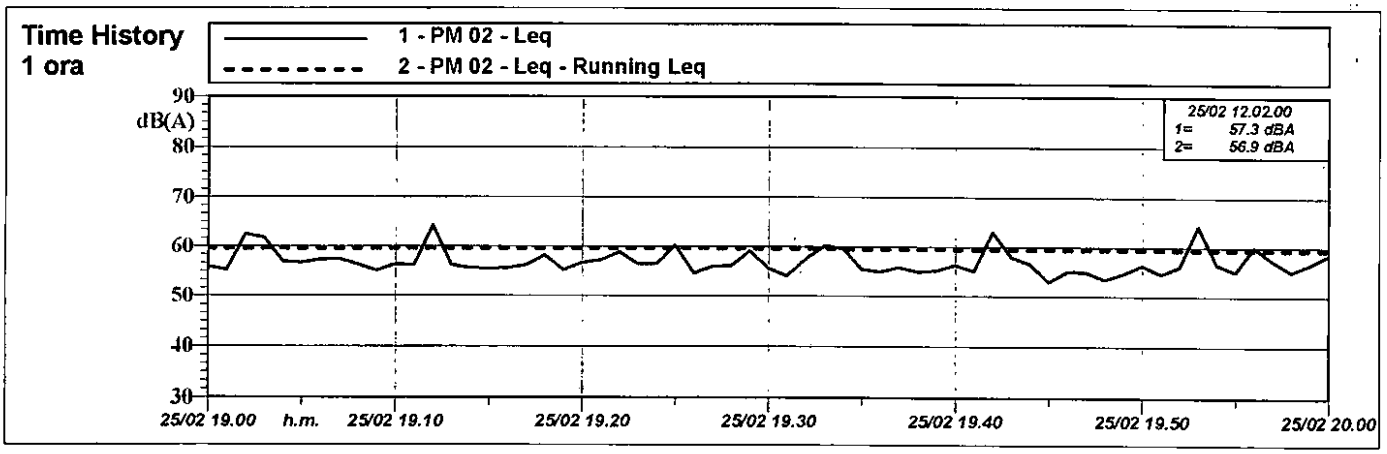
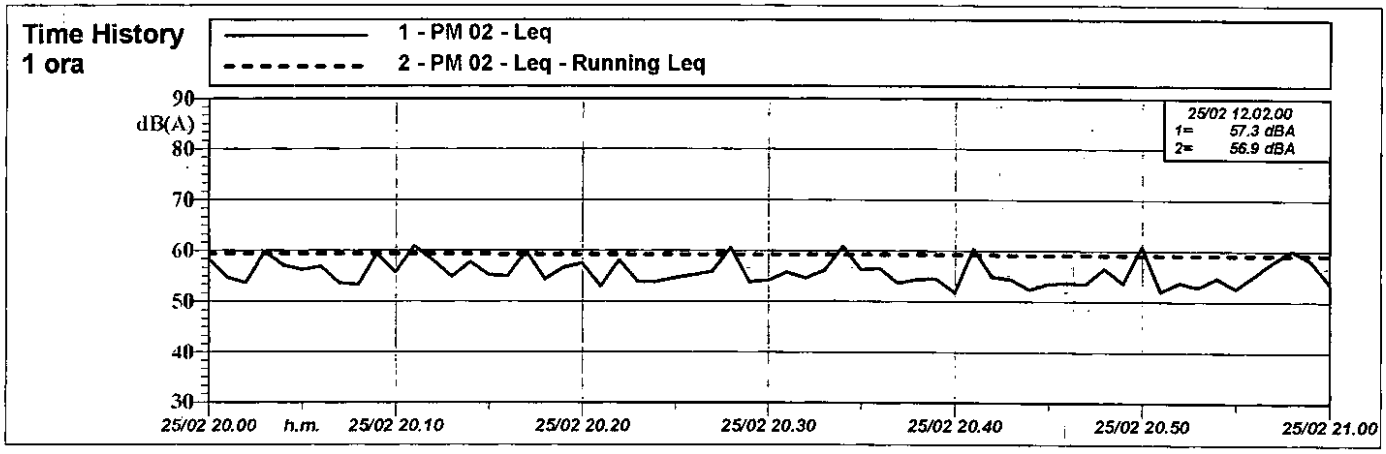
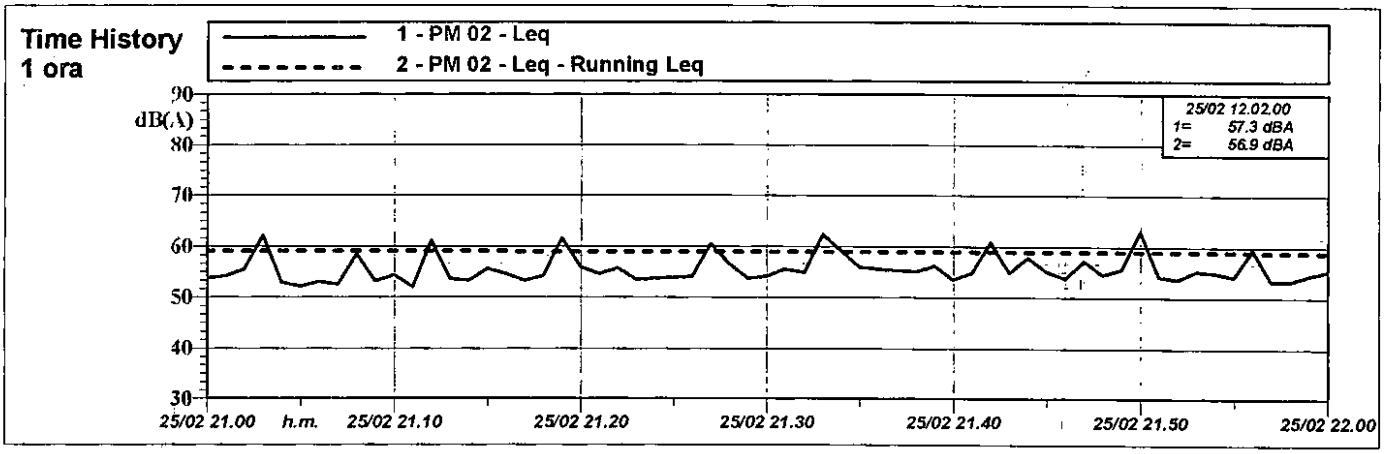
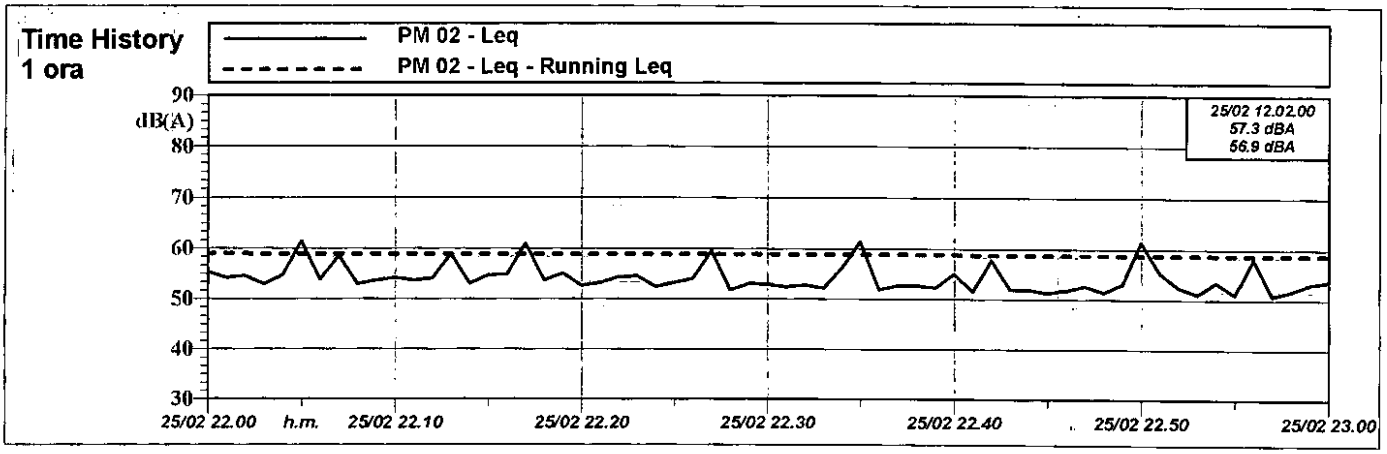
80
70
60
50
40
30
25/02 12.02.00
57.3 dBA
56.9 dBA
25/02 18.00
h.m.
25/02 18.10
25/02 18.20
25/02 18.30
25/02 18.40
25/02 18.50
25/02 19.00


Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 57.3 dBA
2= 56.9 dBA
25/02 19.00
h.m.
25/02 19.10
25/02 19.20
25/02 19.30
25/02 19.40
25/02 19.50
25/02 20.00


Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 57.3 dBA
2= 56.9 dBA
25/02 20.00
h.m.
25/02 20.10
25/02 20.20
25/02 20.30
25/02 20.40
25/02 20.50
25/02 21.00


Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 57.3 dBA
2= 56.9 dBA
25/02 21.00
h.m.
25/02 21.10
25/02 21.20
25/02 21.30
25/02 21.40
25/02 21.50
25/02 22.00


Time History
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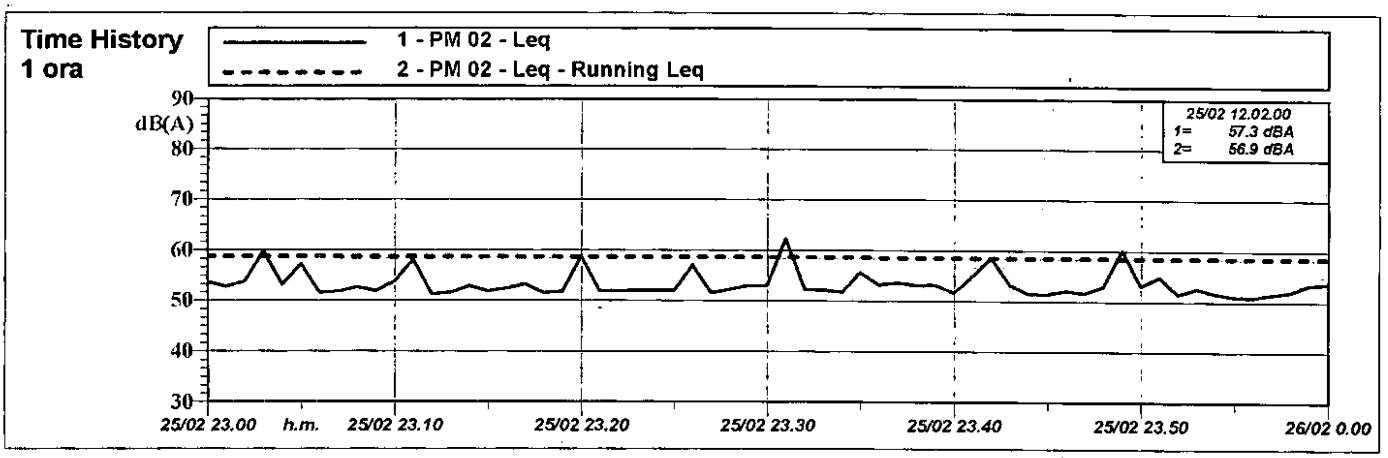
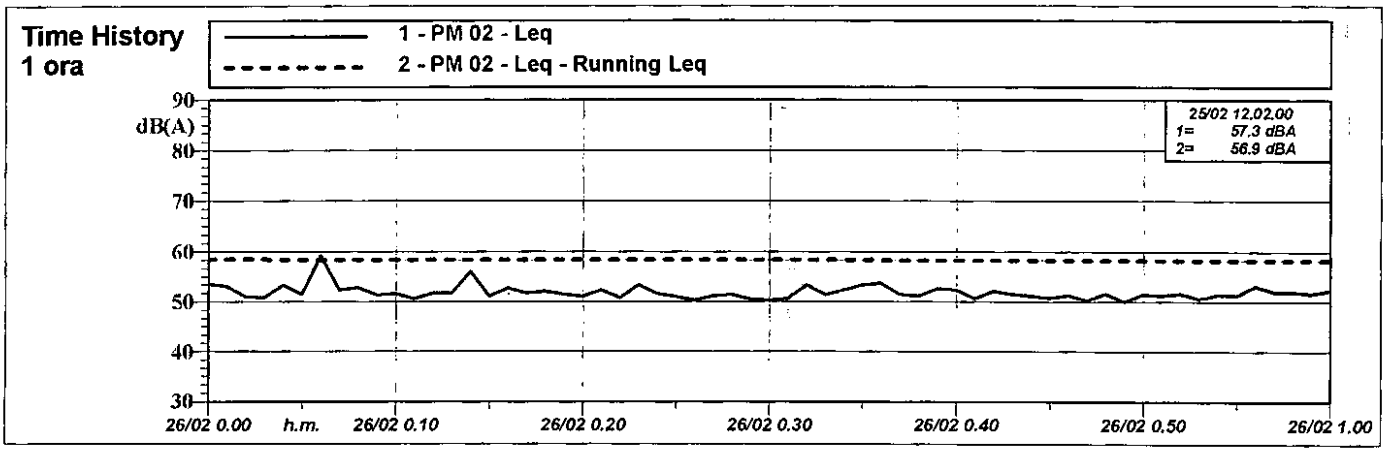
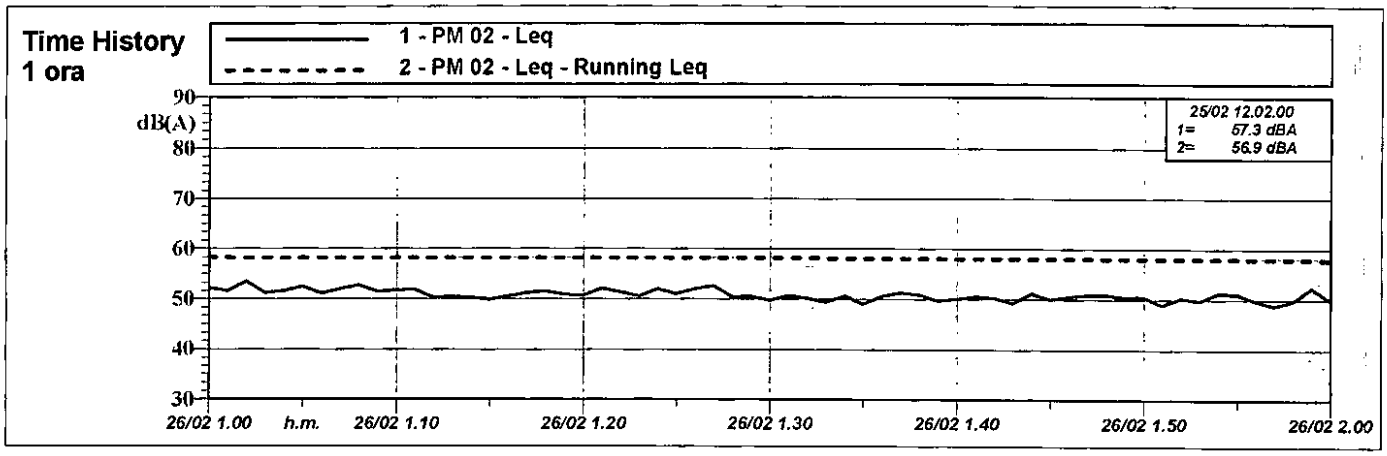
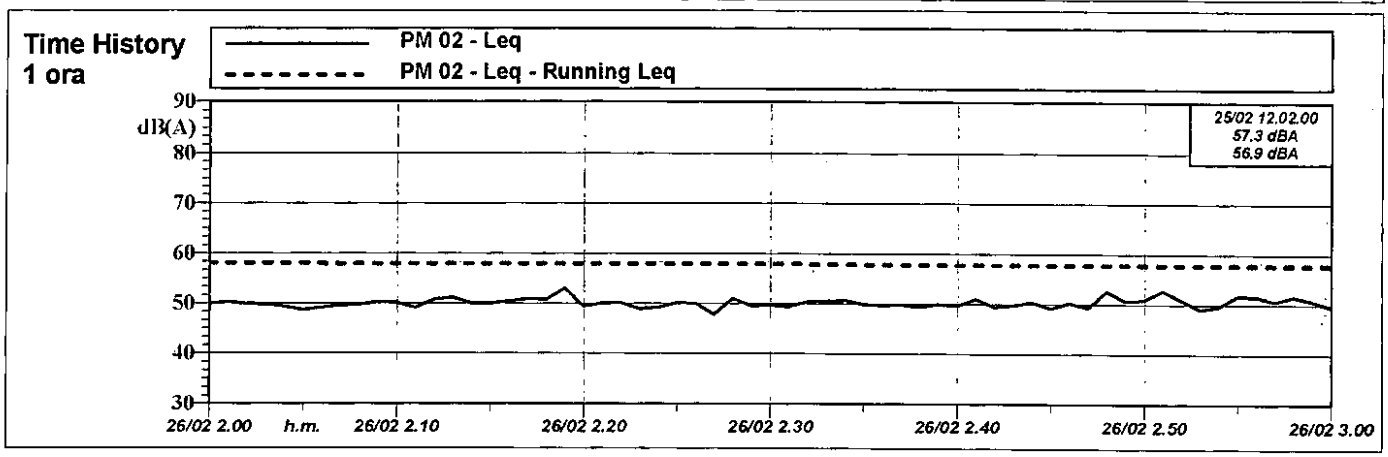
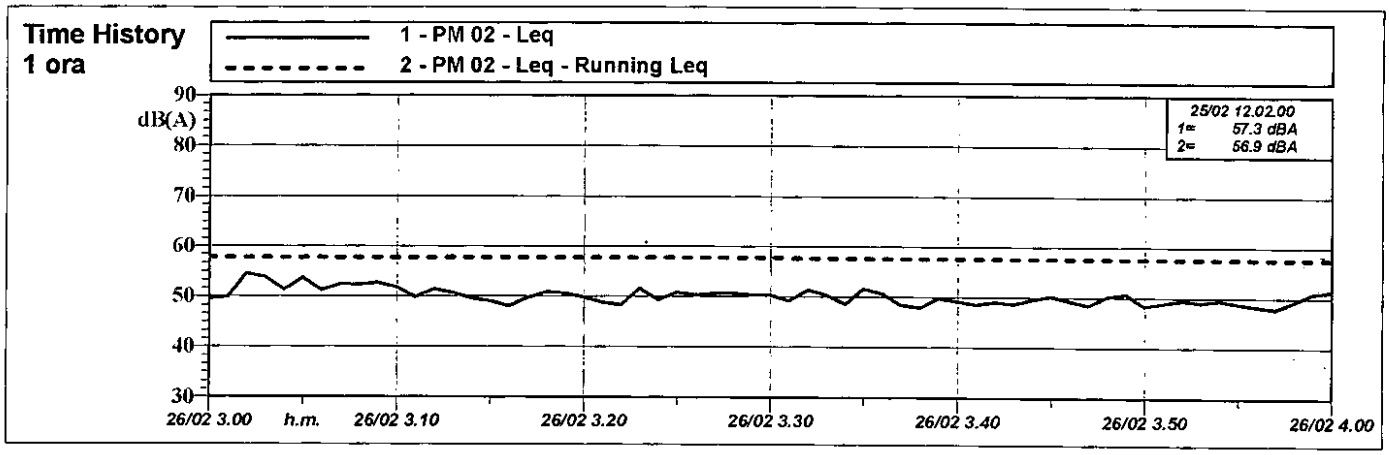
PM 02 - Leq
PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
57.3 dBA
56.9 dBA
25/02 22.00
h.m.
25/02 22.10
25/02 22.20
25/02 22.30
25/02 22.40
25/02 22.50
25/02 23.00

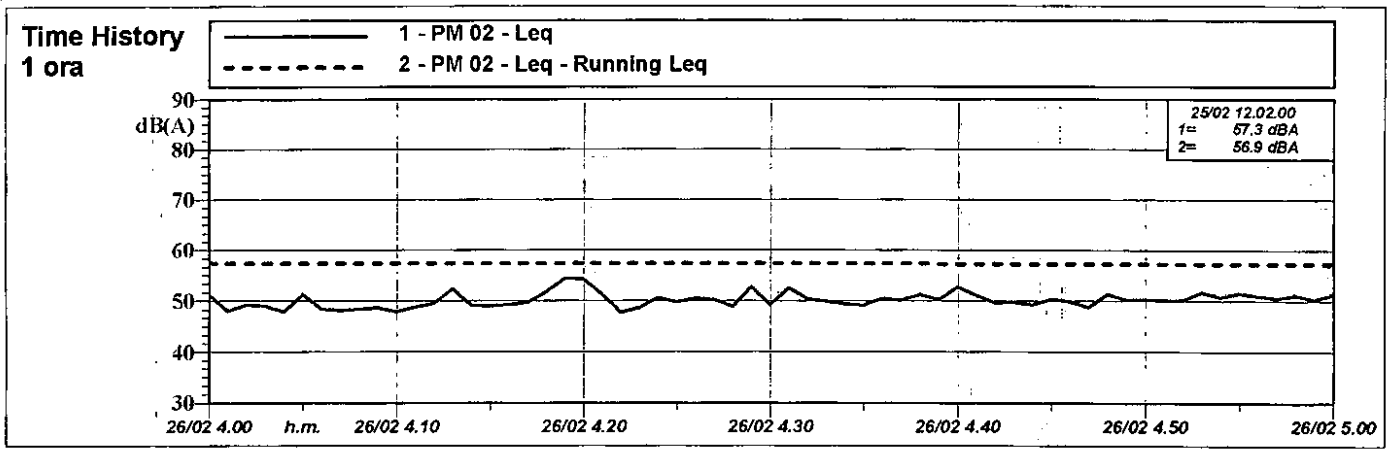

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 57.3 dBA
2= 56.9 dBA
25/02 23.00
h.m.
25/02 23.10
25/02 23.20
25/02 23.30
25/02 23.40
25/02 23.50
26/02 0.00

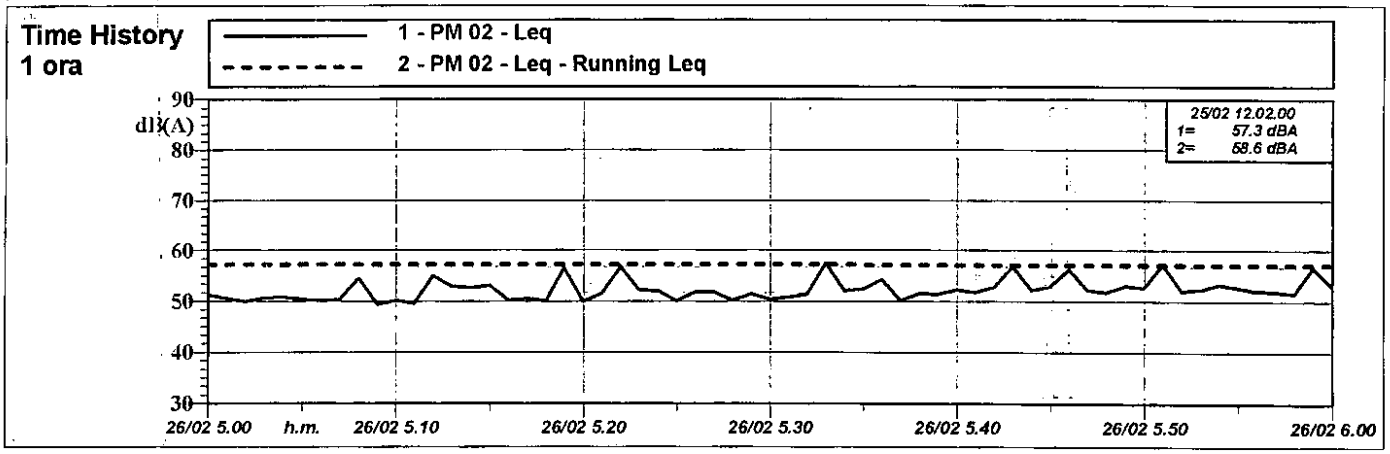

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 57.3 dBA
2= 56.9 dBA
26/02 0.00
h.m.
26/02 0.10
26/02 0.20
26/02 0.30
26/02 0.40
26/02 0.50
26/02 1.00

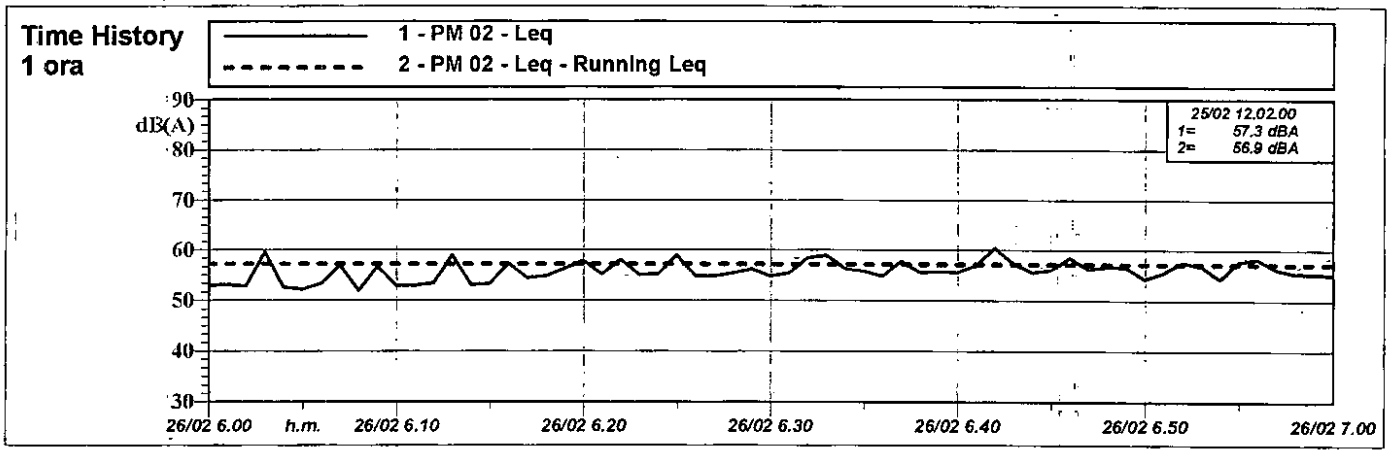

Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 57.3 dBA
2= 56.9 dBA
26/02 1.00
h.m.
26/02 1.10
26/02 1.20
26/02 1.30
26/02 1.40
26/02 1.50
26/02 2.00


Time History
1 ora
PM 02 - Leq
PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
57.3 dBA
56.9 dBA
26/02 2.00
h.m.
26/02 2.10
26/02 2.20
26/02 2.30
26/02 2.40
26/02 2.50
26/02 3.00


Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 57.3 dBA
2= 56.9 dBA
26/02 3.00
h.m.
26/02 3.10
26/02 3.20
26/02 3.30
26/02 3.40
26/02 3.50
26/02 4.00


Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 57.3 dBA
2= 56.9 dBA
26/02 4.00
h.m.
26/02 4.10
26/02 4.20
26/02 4.30
26/02 4.40
26/02 4.50
26/02 5.00


Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 57.3 dBA
2= 58.6 dBA
26/02 5.00
h.m.
26/02 5.10
26/02 5.20
26/02 5.30
26/02 5.40
26/02 5.50
26/02 6.00


Time History
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2 - PM 02 - Leq - Running Leq
dB(A)
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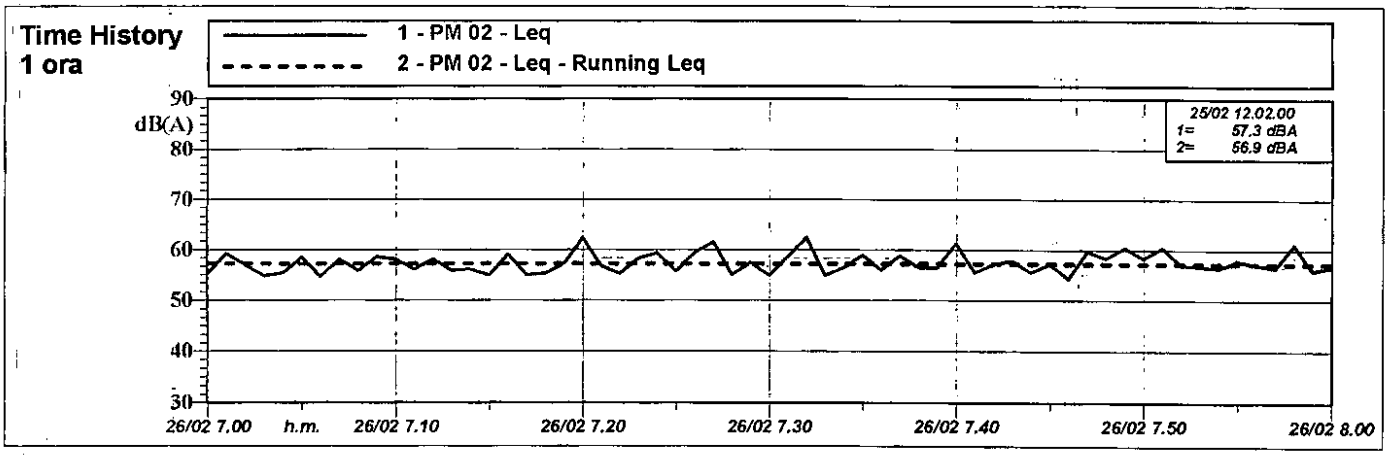
80
70
60
50
40
30
25/02 12.02.00
1= 57.3 dBA
2= 56.9 dBA
26/02 6.00
h.m.
26/02 6.10
26/02 6.20
26/02 6.30
26/02 6.40
26/02 6.50
26/02 7.00


Time History
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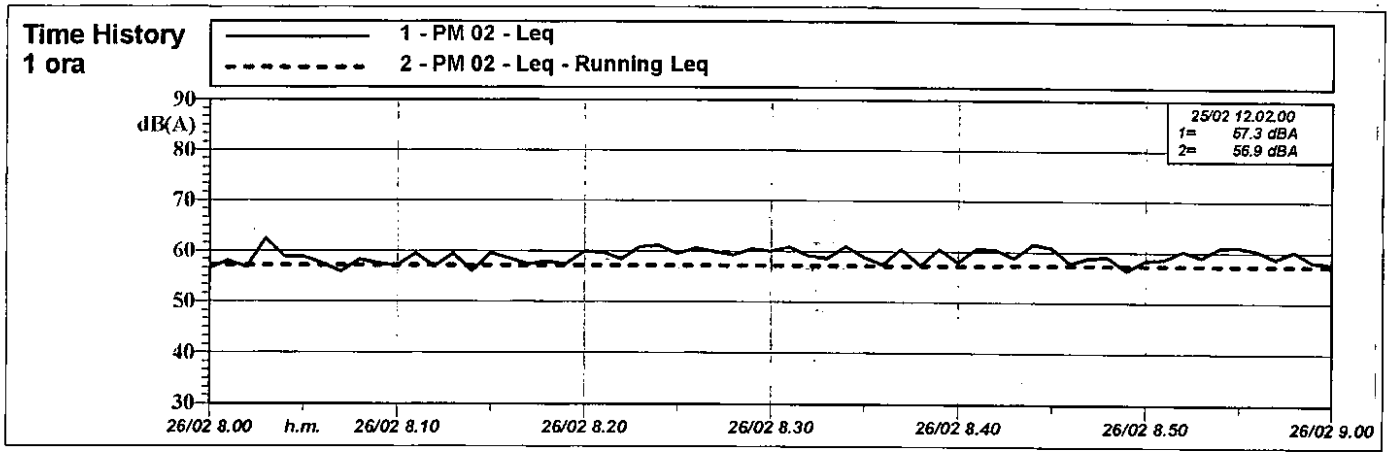
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
1= 57.3 dBA
2= 56.9 dBA
26/02 7.00
h.m.
26/02 7.10
26/02 7.20
26/02 7.30
26/02 7.40
26/02 7.50
26/02 8.00


Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
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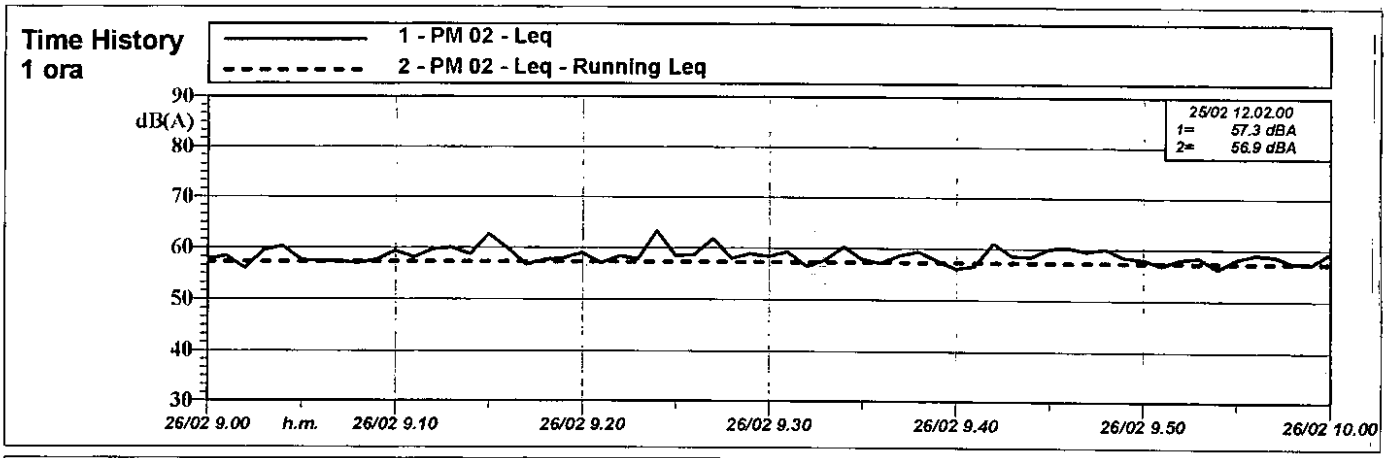
80
70
60
50
40
30
25/02 12.02.00
1= 57.3 dBA
2= 56.9 dBA
26/02 8.00
h.m.
26/02 8.10
26/02 8.20
26/02 8.30
26/02 8.40
26/02 8.50
26/02 9.00


Time History
1 ora
1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
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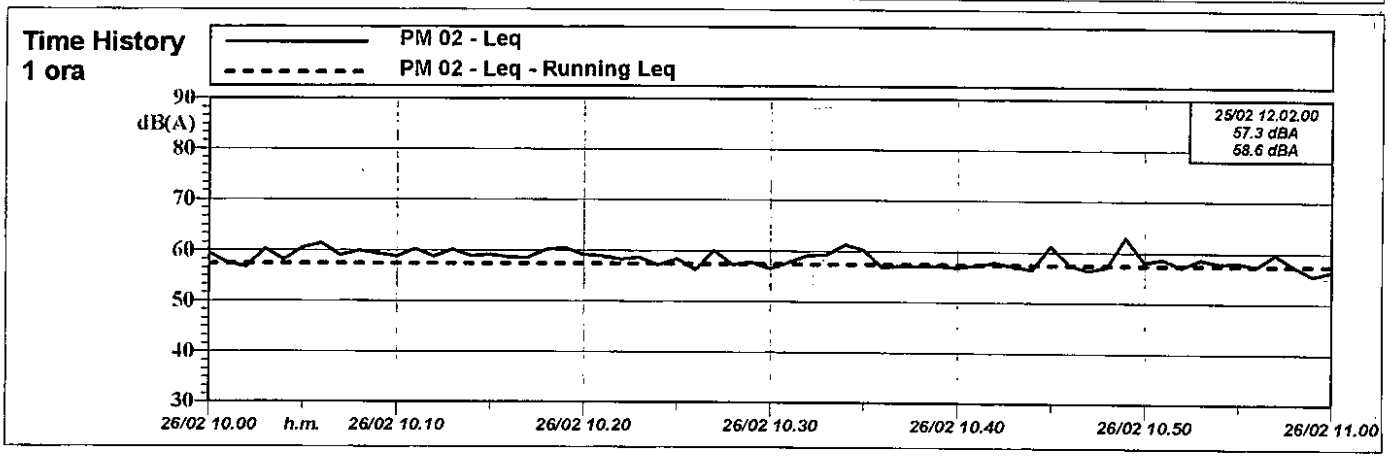
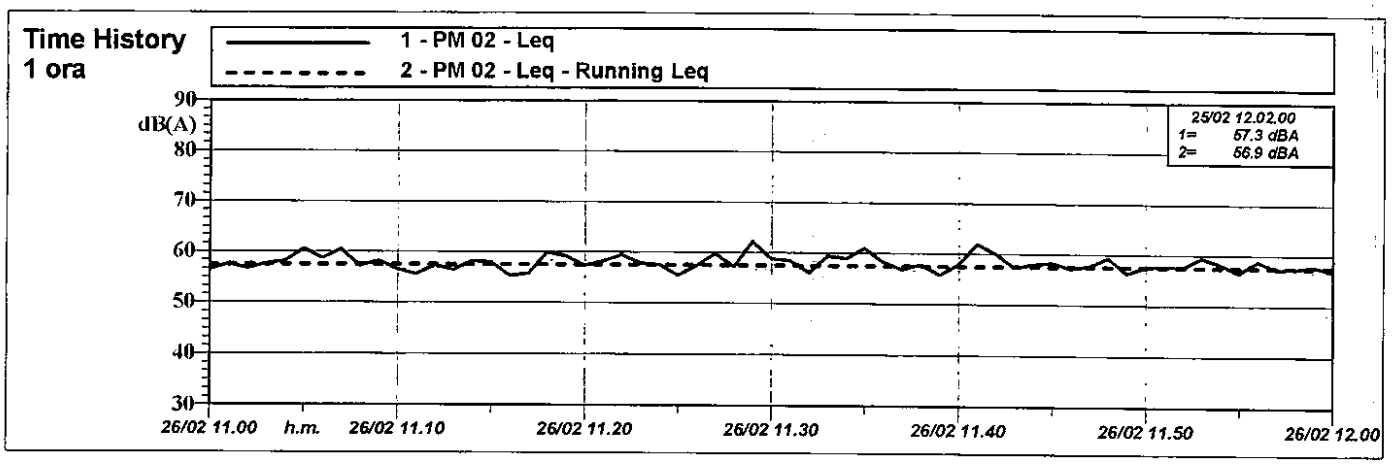
80
70
60
50
40
30
25/02 12.02.00
1= 57.3 dBA
2= 56.9 dBA
26/02 9.00
h.m.
26/02 9.10
26/02 9.20
26/02 9.30
26/02 9.40
26/02 9.50
26/02 10.00


Time History
1 ora
PM 02 - Leq
PM 02 - Leq - Running Leq
dB(A)
90
80
70
60
50
40
30
25/02 12.02.00
57.3 dBA
58.6 dBA
26/02 10.00
h.m.
26/02 10.10
26/02 10.20
26/02 10.30
26/02 10.40
26/02 10.50
26/02 11.00


Time History
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1 - PM 02 - Leq
2 - PM 02 - Leq - Running Leq
dB(A)
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80
70
60
50
40
30
25/02 12.02.00
1= 57.3 dBA
2= 56.9 dBA
26/02 11.00
h.m.
26/02 11.10
26/02 11.20
26/02 11.30
26/02 11.40
26/02 11.50
26/02 12.00