

COMMITTENTE:



ALTA SORVEGLIANZA:



GENERAL CONTRACTOR:



INFRASTRUTTURE FERROVIARIE STRATEGICHE DEFINITE DALLA LEGGE OBIETTIVO N. 443/01

PROGETTO DEFINITIVO

**LINEA AV/AC VERONA - PADOVA
SUB TRATTA VERONA - VICENZA
1° SUB LOTTO VERONA - MONTEBELLO VICENTINO**

SCHEDE

RUMORE: CARATTERIZZAZIONE ANTE OPERAM

SCHEDE: STATO ANTE OPERAM - SCHEDE DI MISURA RUMORE E TRAFFICO

| | | | |
|--|---|-----------------|------------------|
| GENERAL CONTRACTOR | | ITALFERR S.p.A. | SCALA : - |
| <p>ATI bonifica</p> <p>IL PROGETTISTA INTEGRATORE</p> <p>Franco Persio Bocchetto iscritto all'Ordine degli Ingegneri della Provincia di Roma al n° 8664 - Sez. A settore Civile e Ambientale</p> <p>Data: Aprile 2016</p> | <p>CONSORZIO IRICAV DUE Il Direttore</p> <p>Data: Aprile 2016</p> | <p>Data:</p> | |

| | | | | | | | |
|----------|-------|------|------|-----------|------------------|--------|------|
| COMMESSA | LOTTO | FASE | ENTE | TIPO DOC. | OPERA/DISCIPLINA | PROGR. | REV. |
| I N 0 D | 0 1 | D | I 2 | R H | A R 0 0 0 2 | 0 0 1 | A |

| | | |
|---------------------|--------------------|-------------|
| ATI bonifica | VISTO ATI BONIFICA | |
| | Firma | Data |
| | Ing.F.P.Bocchetto | Aprile 2016 |

Progettazione:

| Rev. | Descrizione | Redatto | Data | Verificato | Data | Approvato | Data | Autorizzato |
|------|--|------------|-------------|------------------|-------------|-----------------|-------------|---------------------|
| A | Emissione MATTM (Prot.0001350/CTVA 14/04/16) | Ing. Serpi | Aprile 2016 | Arch. Pieroncini | Aprile 2016 | G. La Francesca | Aprile 2016 | Ing. T. Bastianello |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | Data: Aprile 2016 |

| | | |
|-------------------------------------|----------------------|-----------|
| File: IN0D01DI2RHAR0002001A_00A.DWG | CUP: J41E91000000009 | n. Elab.: |
| | CIG: 3320049F17 | |

| | | | | | |
|-------------------|--|--------------------|----------|------------------|---|
| Tipo rilievo | Monitoraggio acustico in continuo 24 h con rilievo traffico | | | Punto di misura: | PRT 01 |
| Regione | Veneto | Provincia | Verona | Comune | Verona |
| Indirizzo | Via Unità d'Italia, 19 - 37132 – Verona | | | Progressiva AV: | KM 0+800 |
| Coordinate | LAT. 45°26'10.28"N | LONG. 11° 2'0.98"E | | Responsabile | Ing. Tiziana Gasianelli Regione Lazio n. 270 |
| Strumentazione | Larson Davis 831 mat. 01398 – Taratura n. 146/08034 del 04/03/16 | | | | |
| Concorsuale | Strada Regionale SR 11 - Distanza 12,66 m | | | Operatore | Geom. G. La Francesca Regione Campania n. 250/99 |
| Posizione microf. | Facciata edificio – Altezza pari a 6,00 m sul p.d.c. | | | | |
| Data inizio | 30.03.16 | Data fine misura | 31.03.16 | Assistente | Ing. Benedetta Grimaldi |
| Ora inizio | 12:00:00 | Ora fine misura | 12:00:00 | | |



ELABORAZIONE DATI ACUSTICI E DI TRAFFICO

| | Leq [dB(A)] | Leggeri [veh/h] | Pesanti [veh/h] | V _{media} [km/h] |
|------------------|----------------|--------------------|--------------------|------------------------------|
| Periodo Diurno | 66.9 | 1435 | 13 | 88.0 |
| Periodo Notturno | 61.3 | 363 | 2 | 59 |

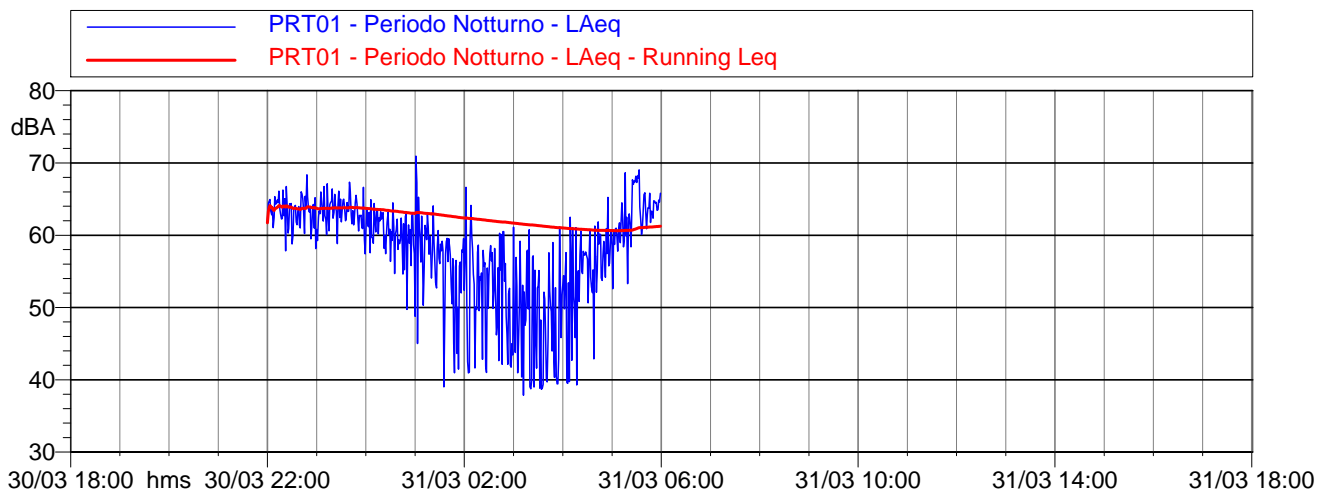
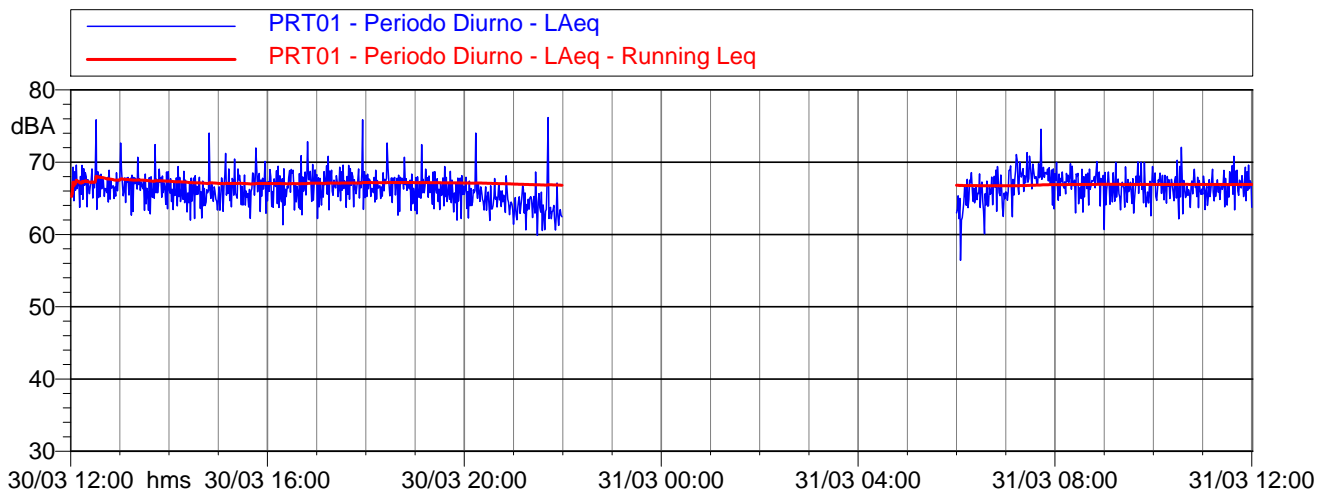
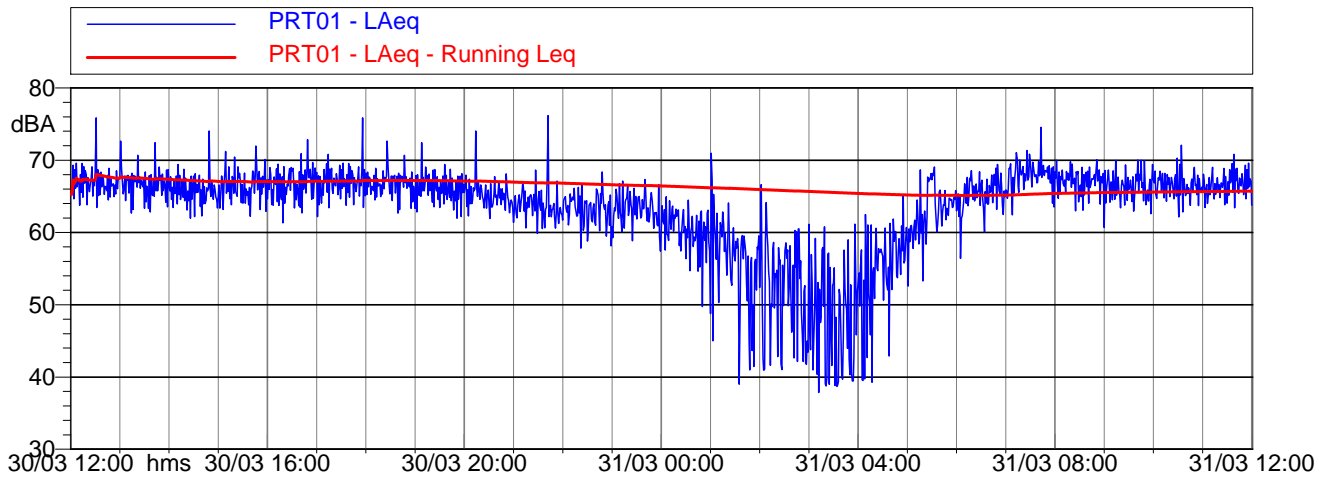
NOTE: Monitoraggio del traffico effettuato con tecnica MAOG

SINTESI PARAMETRI METEO

| | Min | Max |
|---------------------|------|------|
| Temperatura [°C] | 8,5 | 18,2 |
| Umidità [%] | 56,0 | 66,0 |
| Vento [m/s] | 0,0 | 0,4 |
| Pioggia [mm] | 0,0 | |
| Direzione Vento [°] | NE | |

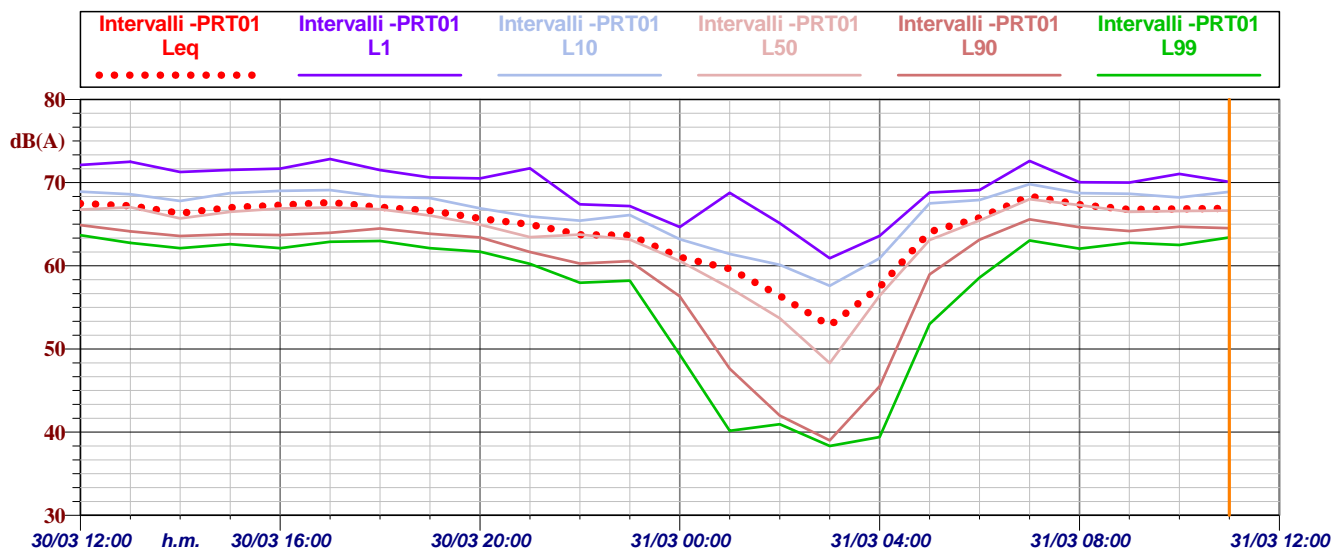
UBICAZIONE PUNTO DI MISURA





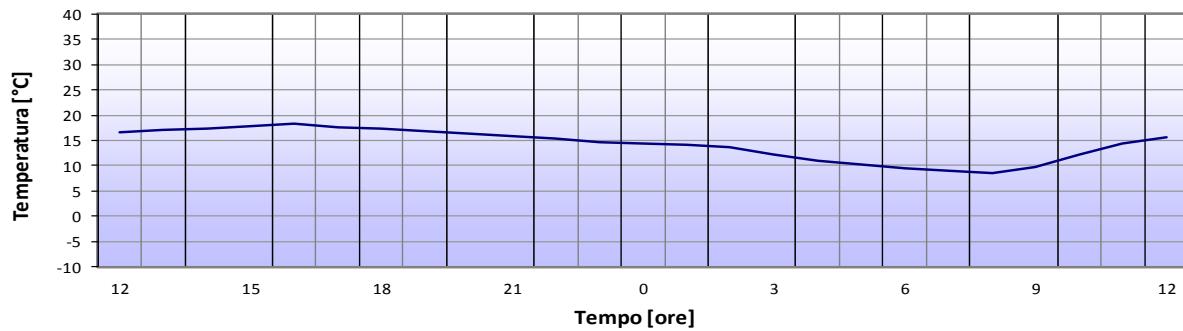
Intervalli orari

Andamento dei Livelli equivalenti e dei Livelli percentili

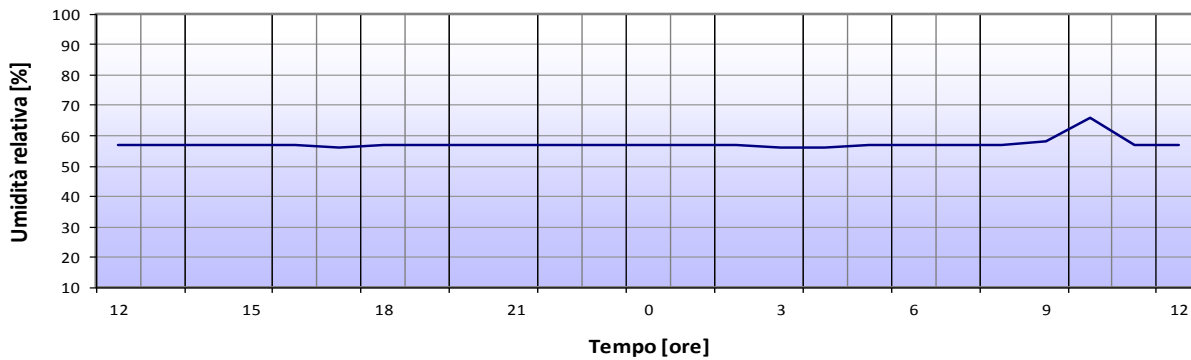


| | LEQ | L1 | L10 | L50 | L90 | L99 |
|----------------|------------|-----------|------------|------------|------------|------------|
| 30/03 12:00:00 | 67.5 dBA | 72.1 dBA | 68.9 dBA | 66.8 dBA | 64.9 dBA | 63.7 dBA |
| 30/03 13:00:00 | 67.2 dBA | 72.5 dBA | 68.6 dBA | 67.1 dBA | 64.1 dBA | 62.8 dBA |
| 30/03 14:00:00 | 66.3 dBA | 71.3 dBA | 67.8 dBA | 65.7 dBA | 63.6 dBA | 62.1 dBA |
| 30/03 15:00:00 | 67.0 dBA | 71.5 dBA | 68.7 dBA | 66.5 dBA | 63.8 dBA | 62.6 dBA |
| 30/03 16:00:00 | 67.3 dBA | 71.7 dBA | 69.0 dBA | 66.9 dBA | 63.7 dBA | 62.1 dBA |
| 30/03 17:00:00 | 67.6 dBA | 72.9 dBA | 69.1 dBA | 67.0 dBA | 64.0 dBA | 62.9 dBA |
| 30/03 18:00:00 | 67.1 dBA | 71.5 dBA | 68.3 dBA | 66.8 dBA | 64.5 dBA | 63.0 dBA |
| 30/03 19:00:00 | 66.7 dBA | 70.6 dBA | 68.2 dBA | 66.1 dBA | 63.9 dBA | 62.1 dBA |
| 30/03 20:00:00 | 65.7 dBA | 70.5 dBA | 66.9 dBA | 64.9 dBA | 63.4 dBA | 61.7 dBA |
| 30/03 21:00:00 | 65.0 dBA | 71.7 dBA | 65.9 dBA | 63.5 dBA | 61.7 dBA | 60.3 dBA |
| 30/03 22:00:00 | 63.8 dBA | 67.4 dBA | 65.4 dBA | 63.8 dBA | 60.3 dBA | 58.0 dBA |
| 30/03 23:00:00 | 63.7 dBA | 67.2 dBA | 66.1 dBA | 63.2 dBA | 60.6 dBA | 58.2 dBA |
| 31/03 00:00:00 | 61.1 dBA | 64.7 dBA | 63.2 dBA | 60.6 dBA | 56.3 dBA | 49.3 dBA |
| 31/03 01:00:00 | 59.7 dBA | 68.8 dBA | 61.4 dBA | 57.3 dBA | 47.6 dBA | 40.2 dBA |
| 31/03 02:00:00 | 56.4 dBA | 65.1 dBA | 60.1 dBA | 53.7 dBA | 42.0 dBA | 41.0 dBA |
| 31/03 03:00:00 | 52.8 dBA | 60.9 dBA | 57.6 dBA | 48.3 dBA | 39.0 dBA | 38.3 dBA |
| 31/03 04:00:00 | 57.5 dBA | 63.6 dBA | 60.9 dBA | 56.4 dBA | 45.5 dBA | 39.4 dBA |
| 31/03 05:00:00 | 64.1 dBA | 68.8 dBA | 67.5 dBA | 63.1 dBA | 59.0 dBA | 53.0 dBA |
| 31/03 06:00:00 | 65.8 dBA | 69.1 dBA | 67.9 dBA | 65.4 dBA | 63.1 dBA | 58.6 dBA |
| 31/03 07:00:00 | 68.4 dBA | 72.6 dBA | 69.8 dBA | 68.0 dBA | 65.6 dBA | 63.0 dBA |
| 31/03 08:00:00 | 67.4 dBA | 70.0 dBA | 68.7 dBA | 67.3 dBA | 64.6 dBA | 62.1 dBA |
| 31/03 09:00:00 | 66.8 dBA | 70.0 dBA | 68.7 dBA | 66.5 dBA | 64.2 dBA | 62.8 dBA |
| 31/03 10:00:00 | 66.9 dBA | 71.0 dBA | 68.2 dBA | 66.6 dBA | 64.7 dBA | 62.5 dBA |
| 31/03 11:00:00 | 66.9 dBA | 70.1 dBA | 68.9 dBA | 66.6 dBA | 64.5 dBA | 63.4 dBA |

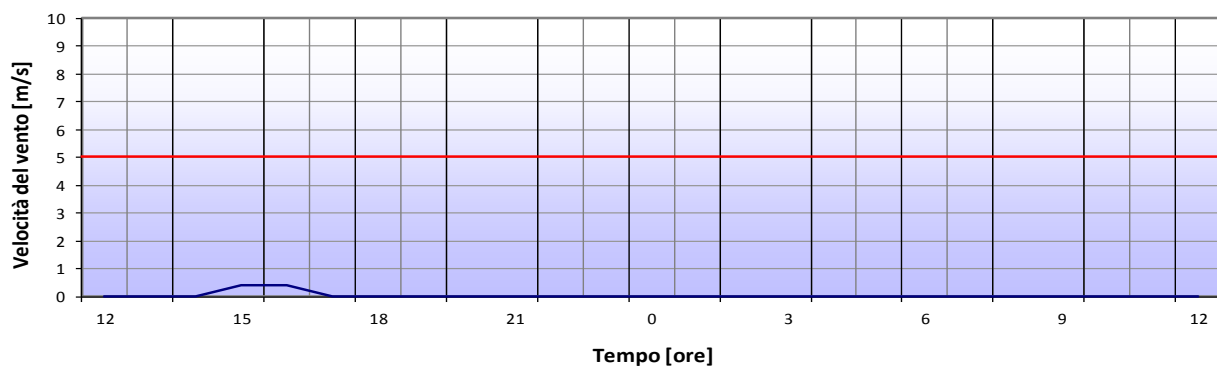
Evoluzione temporale della temperatura



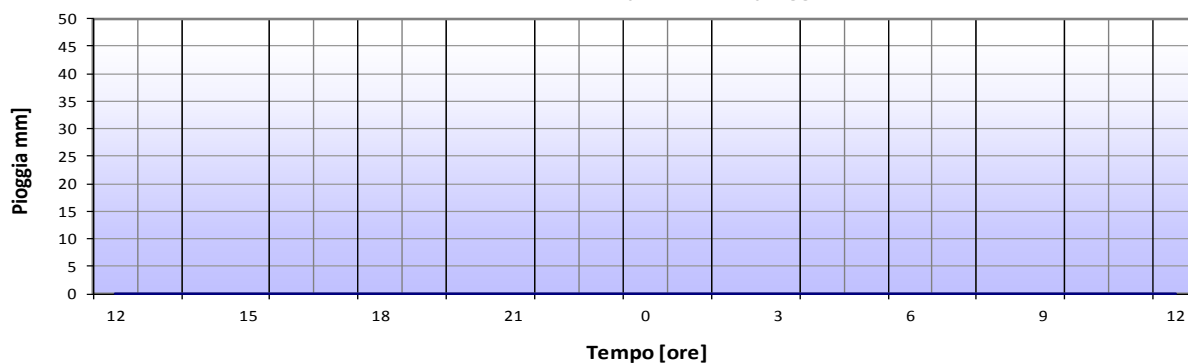
Evoluzione temporale dell'umidità

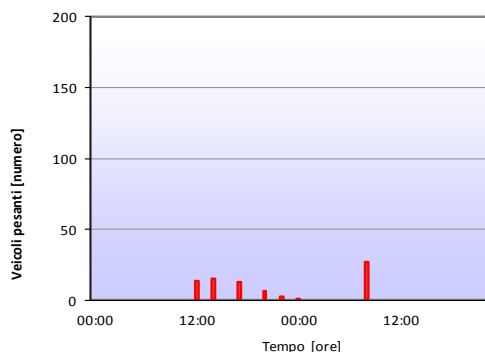
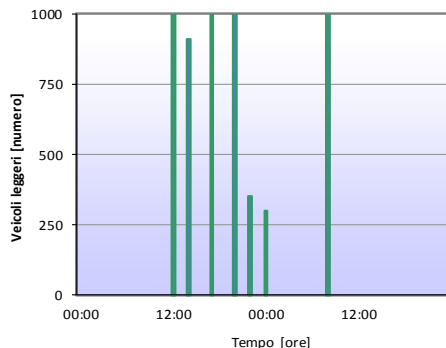


Evoluzione temporale della velocità del vento



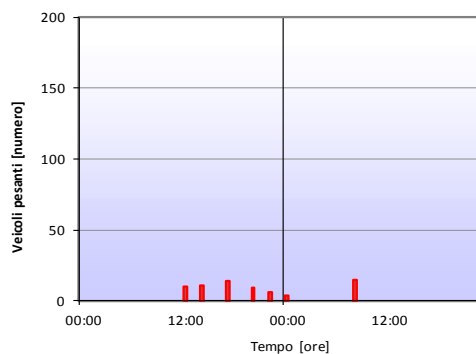
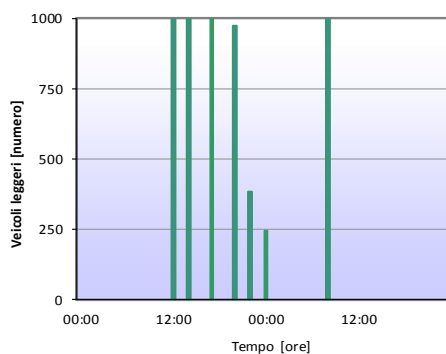
Evoluzione temporale della pioggia



FLUSSI VEICOLARI NEI PERIODI DI RIFERIMENTO
DIREZIONE NORD


| Data / ora | FLUSSO VEICOLI LEGGERI [veh/h] | | FLUSSO VEICOLI PESANTI [veh/h] | |
|---------------------|--------------------------------|------------|--------------------------------|----------|
| | Diurno | Notturmo | Diurno | Notturmo |
| 30/03/2016 17:00 | 1.160 | | 13 | |
| 30/03/2016 20:00 | 1.106 | | 7 | |
| 30/03/2016 22:00 | | 350 | | 3 |
| 30/03/2016 23:00 | | 0 | | 0 |
| 31/03/2016 00:00 | | 301 | | 1 |
| 31/03/2016 08:00 | 1.317 | | 27 | |
| 31/03/2016 12:00 | 0 | | 0 | |
| 31/03/2016 14:00 | 41 | | 41 | |
| MEDIA ORARIA | 725 | 217 | 18 | 1 |

| VELOCITA' MEDIA [km/h] | |
|------------------------|-----------|
| Diurno | Notturmo |
| 91,2 | |
| 87,9 | |
| | 93,5 |
| | 0,0 |
| | 81,5 |
| 87,2 | |
| 78,4 | |
| 87,0 | |
| 86 | 58 |

DIREZIONE SUD


| Data / ora | FLUSSO VEICOLI LEGGERI [veh/h] | | FLUSSO VEICOLI PESANTI [veh/h] | |
|---------------------|--------------------------------|------------|--------------------------------|----------|
| | Diurno | Notturmo | Diurno | Notturmo |
| 30/03/2016 17:00 | 1.154 | | 14 | |
| 30/03/2016 20:00 | 974 | | 9 | |
| 30/03/2016 22:00 | | 384 | | 6 |
| 30/03/2016 23:00 | | 0 | | 0 |
| 31/03/2016 00:00 | | 245 | | 4 |
| 31/03/2016 08:00 | 1.545 | | 15 | |
| 31/03/2016 12:00 | 0 | | 0 | |
| 31/03/2016 14:00 | 0 | | 0 | |
| MEDIA ORARIA | 735 | 210 | 8 | 3 |

| VELOCITA' MEDIA [km/h] | |
|------------------------|-----------|
| Diurno | Notturmo |
| 89,1 | |
| 86,4 | |
| | 92,2 |
| | 0,0 |
| | 87,2 |
| 94,8 | |
| 87,4 | |
| 92,7 | |
| 90 | 60 |

| | | | | | |
|-------------------|--|---------------------|------------------|--|-------------------------|
| Tipo rilievo | Monitoraggio acustico in continuo 24 h con rilievo traffico | | Punto di misura: | PRT 02 | |
| Regione | Veneto | Provincia | Verona | Comune | San Martino Buon Albero |
| Indirizzo | Via Formighè, 1 - 37036 - San Martino Buon Albero | | Progressiva AV: | KM 9+225 | |
| Coordinate | LAT. 45°24'12.34"N | LONG. 11° 7'33.33"E | Responsabile | Ing. Tiziana Bastianello Regione Lazio n. 270 | |
| Strumentazione | Larson Davis 831 mat. 01600 – Taratura n. 185/04557 del 27/10/14 | | | | |
| Concorsuale | Strada Provinciale SP 20 - Distanza 22,16 m | | Operatore | Dott. Rocco Fasso Regione Campania n. 341/01 | |
| Posizione microf. | Facciata edificio – Altezza pari a 4,00 m sul p.d.c. | | | | |
| Data inizio | 30.03.16 | Data fine misura | 31.03.16 | Assistente | Ing. Emanuela Serpi |
| Ora inizio | 11:00:00 | Ora fine misura | 11:00:00 | | |



ELABORAZIONE DATI ACUSTICI E DI TRAFFICO

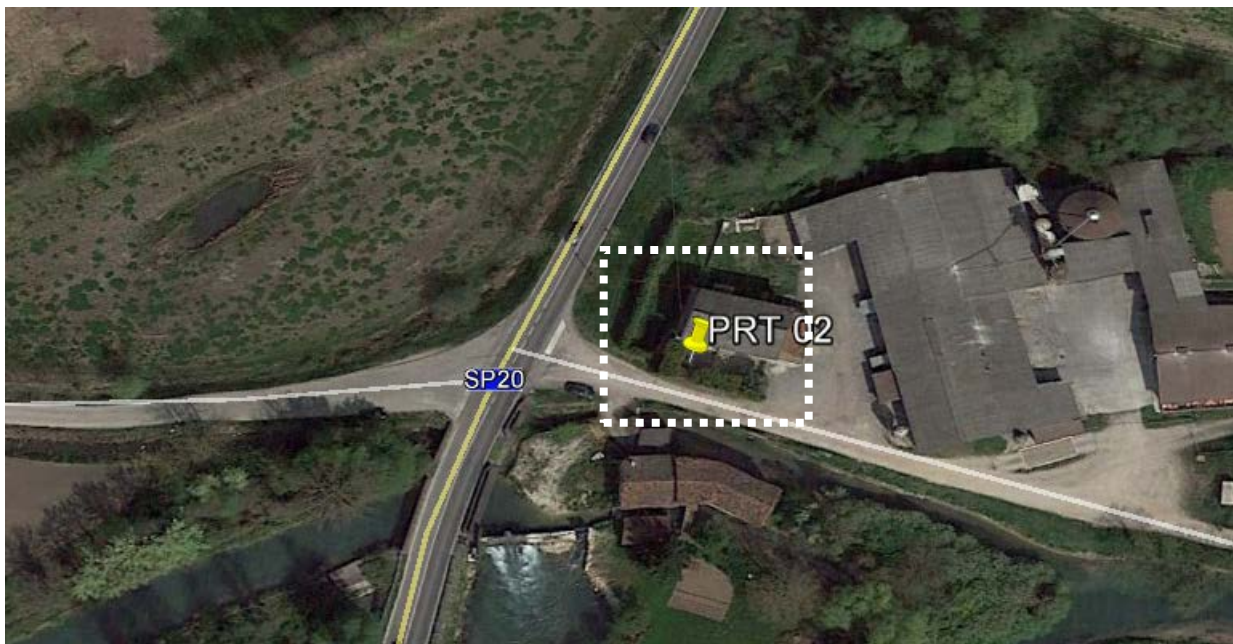
| | Leq [dB(A)] | Leggeri [veh/h] | Pesanti [veh/h] | V _{media} [km/h] |
|------------------|----------------|--------------------|--------------------|------------------------------|
| Periodo Diurno | 61.5 | 186 | 48 | 52.0 |
| Periodo Notturno | 54.9 | 30 | 1 | 62.0 |

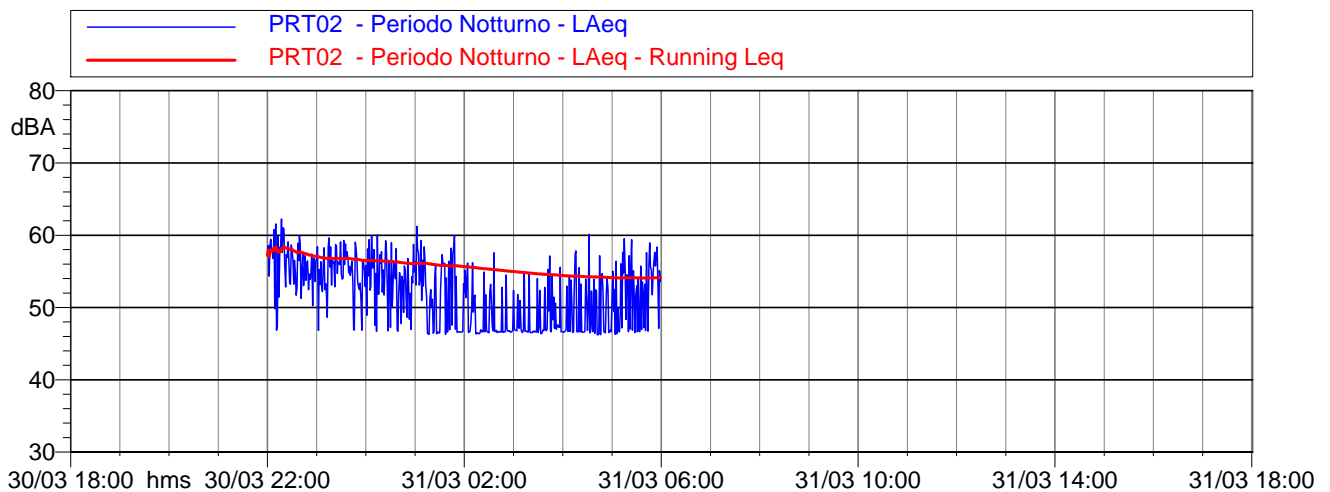
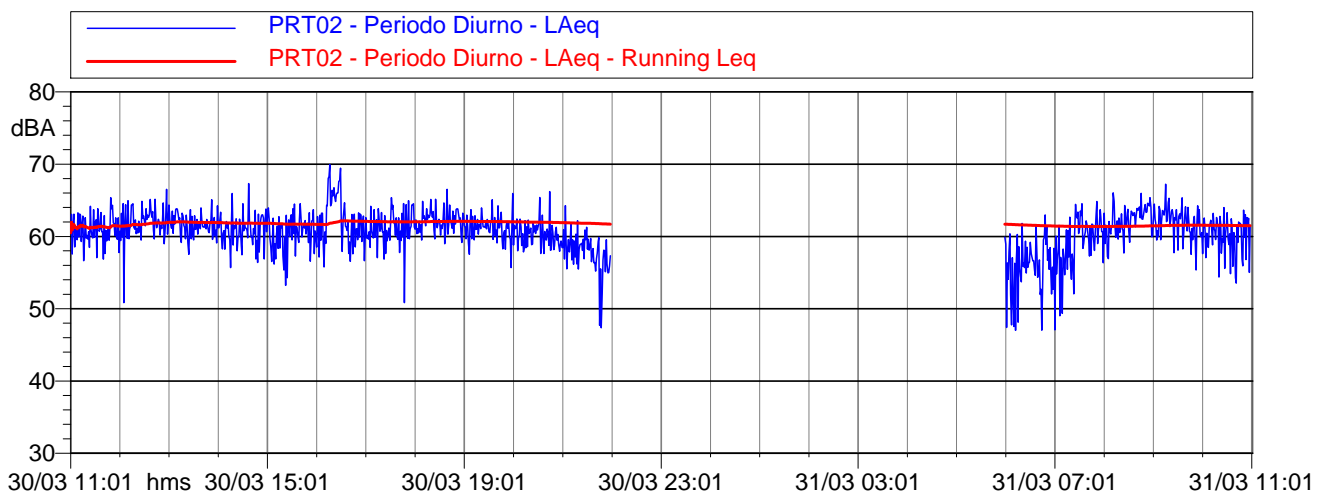
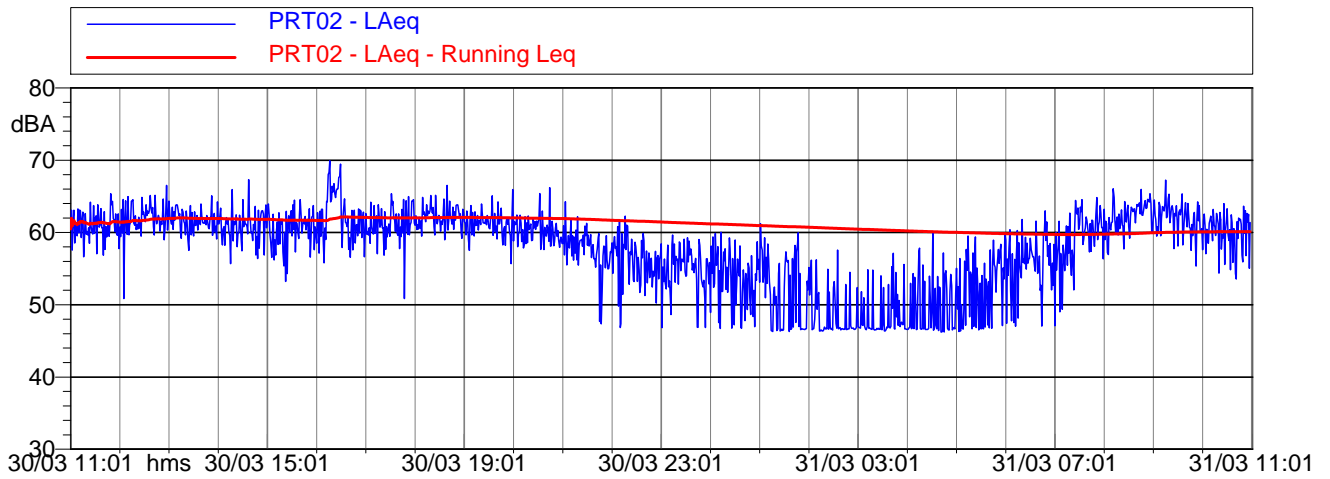
NOTE: Monitoraggio del traffico effettuato con contatraffico automatico (radar a microne)

SINTESI PARAMETRI METEO

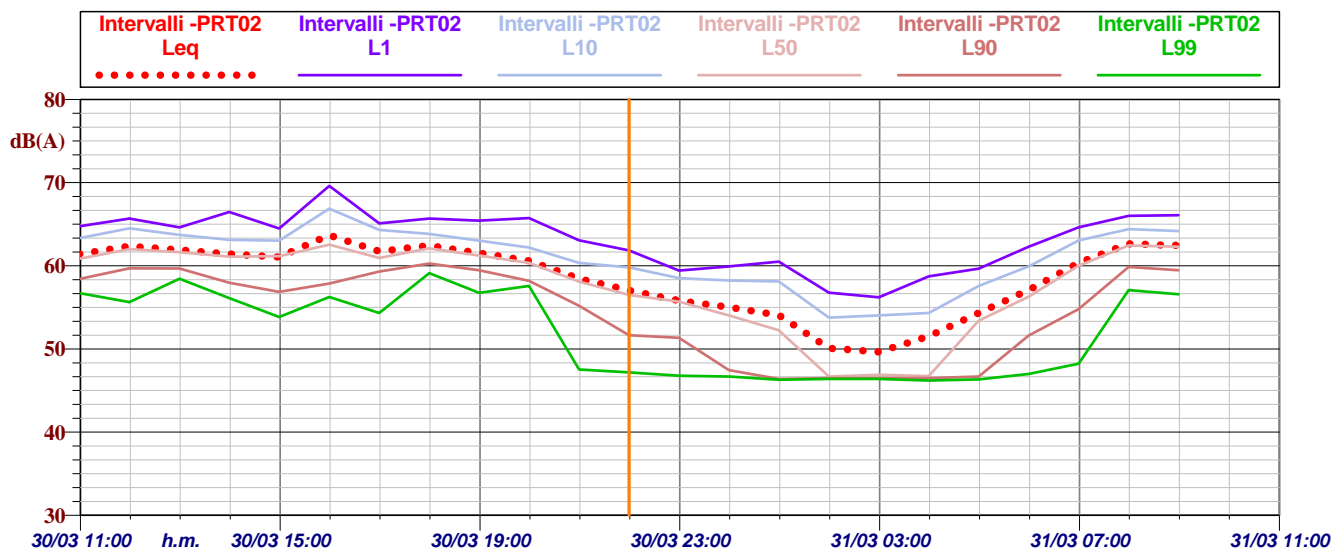
| | Min | Max |
|---------------------|------|------|
| Temperatura [°C] | 8.5 | 18.2 |
| Umidità [%] | 56.0 | 66.0 |
| Vento [m/s] | 0.0 | 0.4 |
| Pioggia [mm] | 0.0 | |
| Direzione Vento [°] | NE | |

UBICAZIONE PUNTO DI MISURA



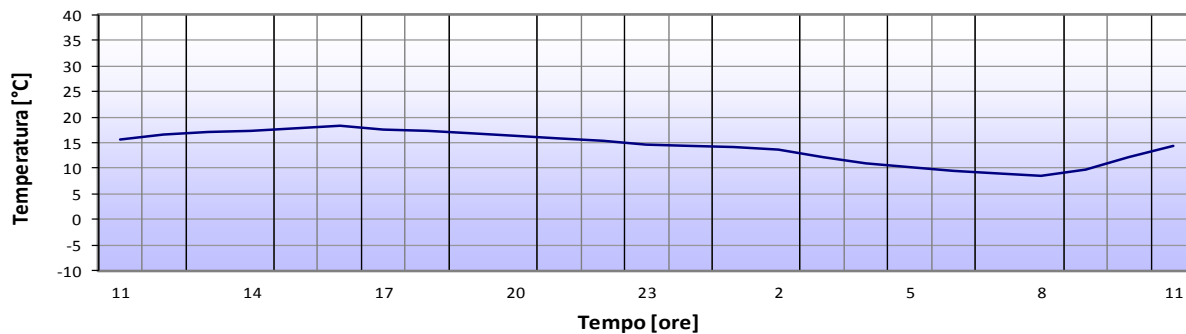


Intervalli orari
 Andamento dei Livelli equivalenti e dei Livelli percentili

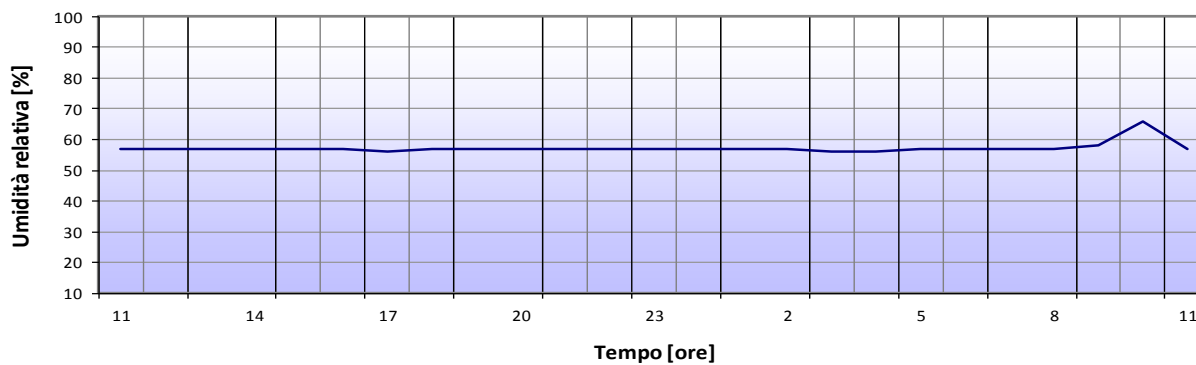


| | LEQ | L1 | L10 | L50 | L90 | L99 |
|----------------|------------|-----------|------------|------------|------------|------------|
| 30/03 10:59:00 | 61.4 dBA | 64.8 dBA | 63.3 dBA | 60.8 dBA | 58.4 dBA | 56.7 dBA |
| 30/03 11:59:00 | 62.4 dBA | 65.7 dBA | 64.5 dBA | 62.0 dBA | 59.7 dBA | 55.6 dBA |
| 30/03 12:59:00 | 61.9 dBA | 64.6 dBA | 63.7 dBA | 61.7 dBA | 59.7 dBA | 58.4 dBA |
| 30/03 13:59:00 | 61.4 dBA | 66.5 dBA | 63.1 dBA | 61.1 dBA | 58.0 dBA | 56.1 dBA |
| 30/03 14:59:00 | 61.1 dBA | 64.5 dBA | 63.0 dBA | 61.2 dBA | 56.9 dBA | 53.8 dBA |
| 30/03 15:59:00 | 63.7 dBA | 69.6 dBA | 66.9 dBA | 62.5 dBA | 57.9 dBA | 56.3 dBA |
| 30/03 16:59:00 | 61.8 dBA | 65.1 dBA | 64.3 dBA | 61.0 dBA | 59.3 dBA | 54.3 dBA |
| 30/03 17:59:00 | 62.5 dBA | 65.7 dBA | 63.8 dBA | 62.1 dBA | 60.3 dBA | 59.1 dBA |
| 30/03 18:59:00 | 61.5 dBA | 65.4 dBA | 63.0 dBA | 61.3 dBA | 59.5 dBA | 56.8 dBA |
| 30/03 19:59:00 | 60.6 dBA | 65.7 dBA | 62.2 dBA | 60.3 dBA | 58.2 dBA | 57.6 dBA |
| 30/03 20:59:00 | 58.5 dBA | 63.1 dBA | 60.4 dBA | 58.1 dBA | 55.2 dBA | 47.5 dBA |
| 30/03 21:59:00 | 57.1 dBA | 61.8 dBA | 59.8 dBA | 56.5 dBA | 51.7 dBA | 47.2 dBA |
| 30/03 22:59:00 | 55.8 dBA | 59.4 dBA | 58.5 dBA | 55.7 dBA | 51.4 dBA | 46.8 dBA |
| 30/03 23:59:00 | 55.0 dBA | 59.9 dBA | 58.3 dBA | 54.0 dBA | 47.5 dBA | 46.7 dBA |
| 31/03 00:59:00 | 54.1 dBA | 60.5 dBA | 58.1 dBA | 52.3 dBA | 46.4 dBA | 46.3 dBA |
| 31/03 01:59:00 | 50.1 dBA | 56.8 dBA | 53.8 dBA | 46.7 dBA | 46.5 dBA | 46.4 dBA |
| 31/03 02:59:00 | 49.7 dBA | 56.2 dBA | 54.0 dBA | 46.9 dBA | 46.5 dBA | 46.4 dBA |
| 31/03 03:59:00 | 51.5 dBA | 58.7 dBA | 54.3 dBA | 46.8 dBA | 46.5 dBA | 46.2 dBA |
| 31/03 04:59:00 | 54.3 dBA | 59.7 dBA | 57.6 dBA | 53.4 dBA | 46.7 dBA | 46.4 dBA |
| 31/03 05:59:00 | 57.1 dBA | 62.3 dBA | 59.9 dBA | 56.3 dBA | 51.6 dBA | 47.0 dBA |
| 31/03 06:59:00 | 60.3 dBA | 64.6 dBA | 63.0 dBA | 60.0 dBA | 54.8 dBA | 48.2 dBA |
| 31/03 07:59:00 | 62.7 dBA | 66.0 dBA | 64.4 dBA | 62.5 dBA | 59.9 dBA | 57.1 dBA |
| 31/03 08:59:00 | 62.5 dBA | 66.1 dBA | 64.2 dBA | 62.3 dBA | 59.5 dBA | 56.6 dBA |
| 31/03 09:59:00 | 60.7 dBA | 63.8 dBA | 62.6 dBA | 60.9 dBA | 55.8 dBA | 54.0 dBA |

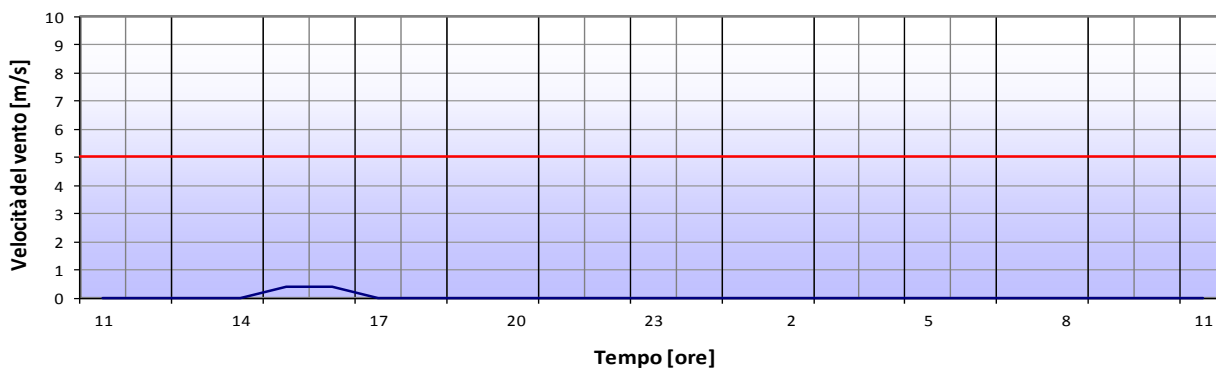
Evoluzione temporale della temperatura



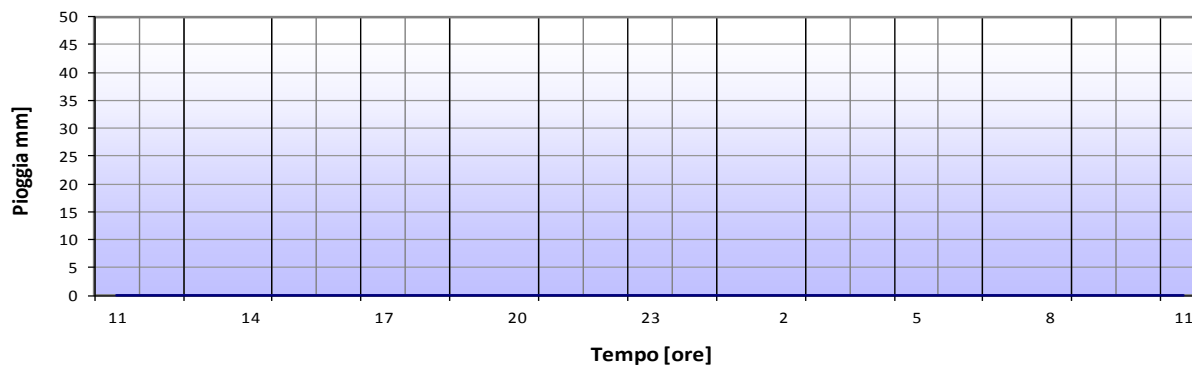
Evoluzione temporale dell'umidità



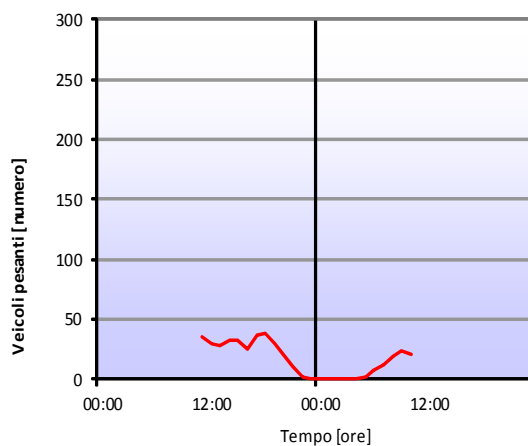
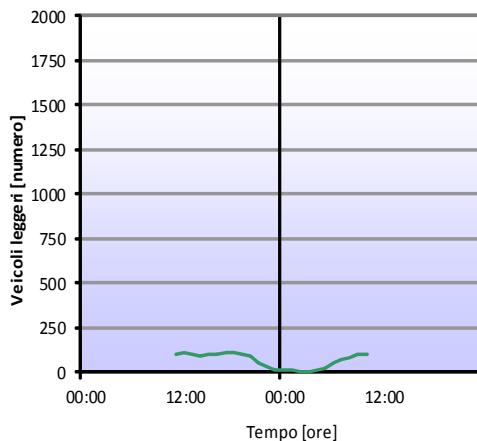
Evoluzione temporale della velocità del vento



Evoluzione temporale della pioggia



FLUSSI VEICOLARI NEI PERIODI DI RIFERIMENTO
DIREZIONE NORD



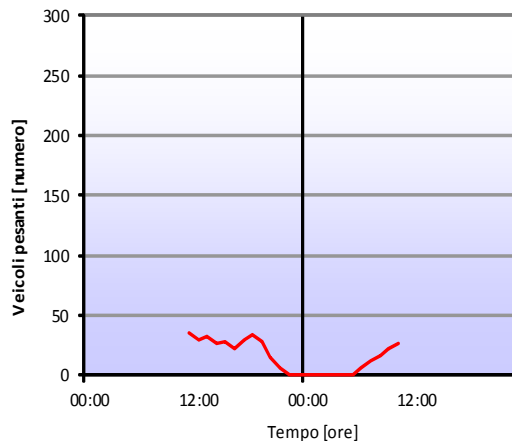
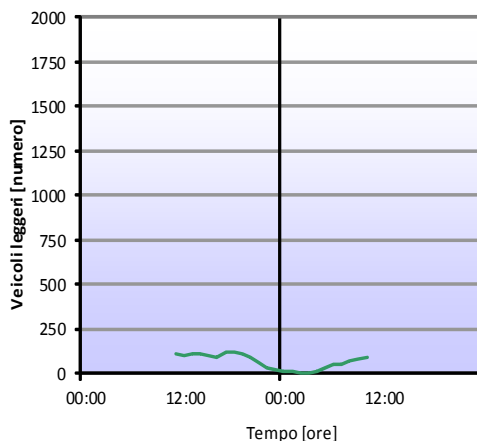
| Data | FLUSSO VEICOLI LEGGERI | | FLUSSO VEICOLI PESANTI | |
|------------|------------------------|----------|------------------------|----------|
| | Diurno | Notturmo | Diurno | Notturmo |
| 30/03/2016 | 1.077 | 108 | 320 | 3 |
| 31/03/2016 | 412 | | 83 | |

| VELOCITA' MEDIA [km/h] | |
|------------------------|----------|
| Diurno | Notturmo |
| 49 | 61 |
| 57 | |

| | | | | |
|---------------------|--------------|------------|------------|----------|
| TOTALE | 1.489 | 108 | 403 | 3 |
| MEDIA ORARIA | 93 | 14 | 25 | 0 |

| | |
|-----------|-----------|
| 48 | 61 |
|-----------|-----------|

DIREZIONE SUD



| Data | FLUSSO VEICOLI LEGGERI | | FLUSSO VEICOLI PESANTI | |
|------------|------------------------|----------|------------------------|----------|
| | Diurno | Notturmo | Diurno | Notturmo |
| 30/03/2016 | 1.132 | 131 | 288 | 2 |
| 31/03/2016 | 350 | | 83 | |

| VELOCITA' MEDIA [km/h] | |
|------------------------|----------|
| Diurno | Notturmo |
| 50 | 63 |
| 57 | |

| | | | | |
|---------------------|--------------|------------|------------|----------|
| TOTALE | 1.482 | 131 | 371 | 2 |
| MEDIA ORARIA | 93 | 16 | 23 | 0 |

| | |
|-----------|-----------|
| 53 | 63 |
|-----------|-----------|

| | | | | | |
|-------------------|--|---------------------|----------|------------------|--|
| Tipo rilievo | Monitoraggio acustico in continuo 24 h con rilievo traffico | | | Punto di misura: | PRT 03 |
| Regione | Veneto | Provincia | Verona | Comune | Belfiore |
| Indirizzo | Via Gombion - 37050 - Belfiore | | | Progressiva AV: | KM 13+425 |
| Coordinate | LAT. 45°23'44.16"N | LONG. 11°10'41.68"E | | Responsabile | <i>Ing. Tiziana Baglianello</i> Regione Lazio n. 270 |
| Strumentazione | Larson Davis LxT mat. 03003 – Taratura n. 185/04756 del 17/02/15 | | | Operatore | <i>Geom. G. La Francesca</i> Regione Campania n. 250/99 |
| Concorsuale | Strada Porciliana - Distanza 40,69 m | | | Assistente | <i>Ing. Benedetta Grimaldi</i> |
| Posizione microf. | Facciata edificio – Altezza pari a 5,00 m sul p.d.c. | | | | |
| Data inizio | 31.03.16 | Data fine misura | 01.03.16 | | |
| Ora inizio | 12:00:00 | Ora fine misura | 12:00:00 | | |



ELABORAZIONE DATI ACUSTICI E DI TRAFFICO

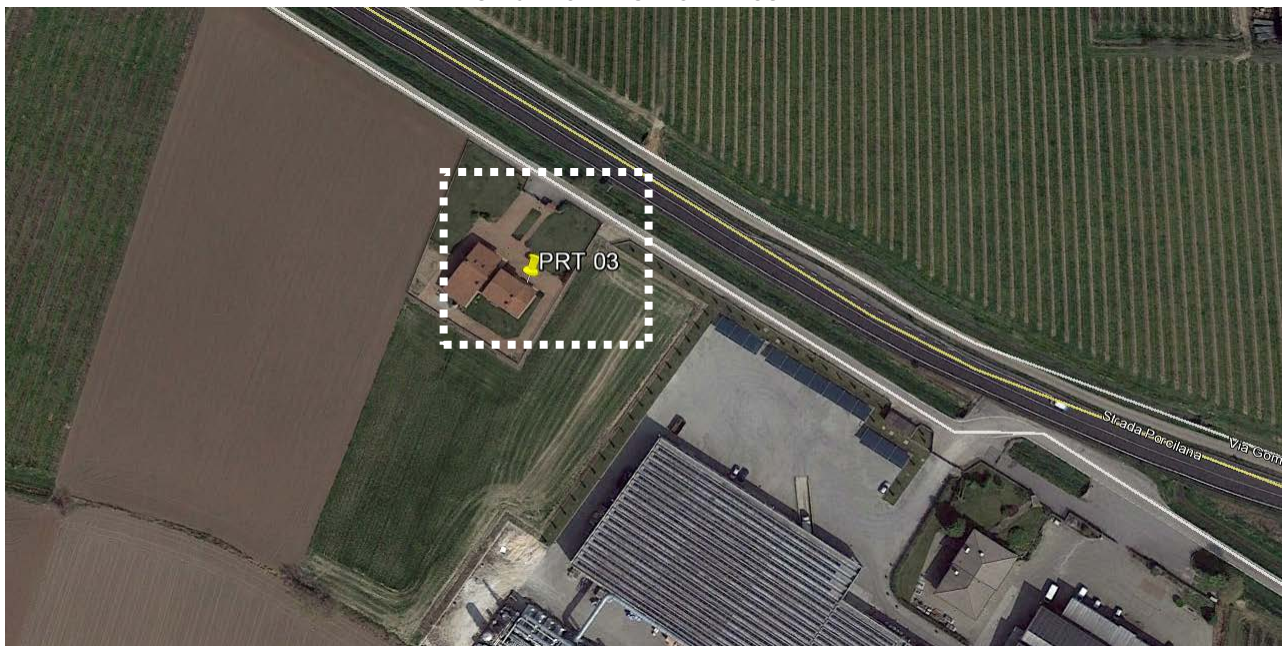
| | Leq [dB(A)] | Leggeri [veh/h] | Pesanti [veh/h] | V _{media} [km/h] |
|------------------|----------------|--------------------|--------------------|------------------------------|
| Periodo Diurno | 62.9 | 1338 | 157 | 93,0 |
| Periodo Notturno | 55.4 | 487 | 51 | 97,0 |

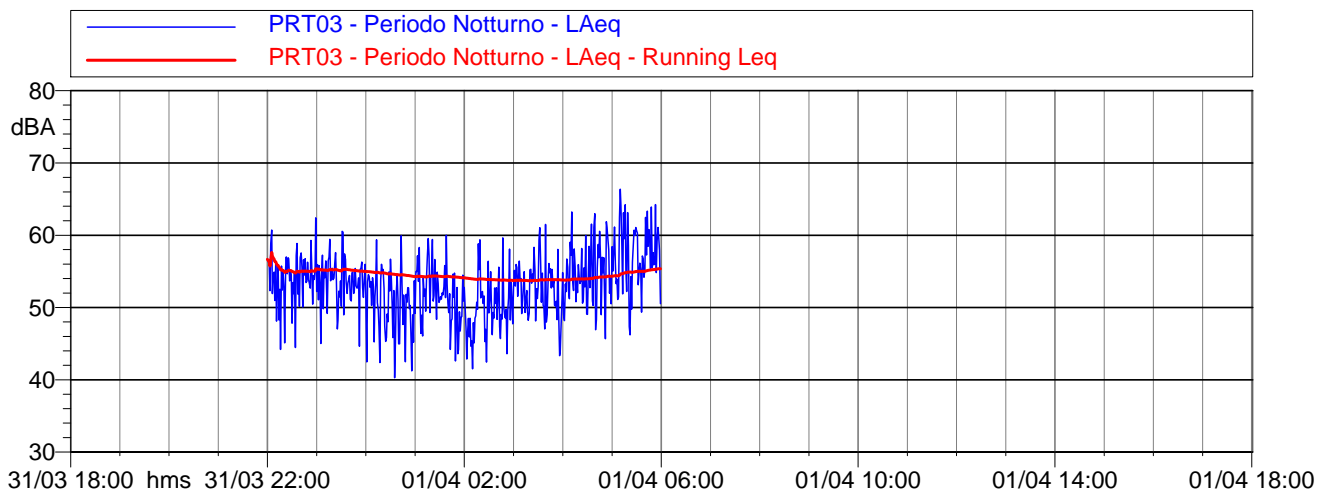
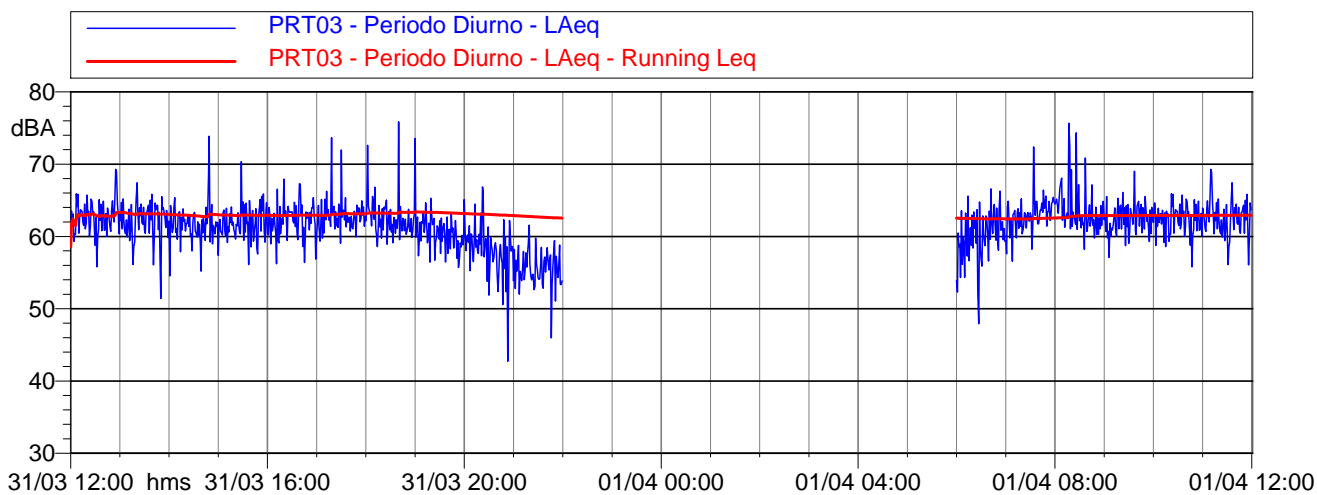
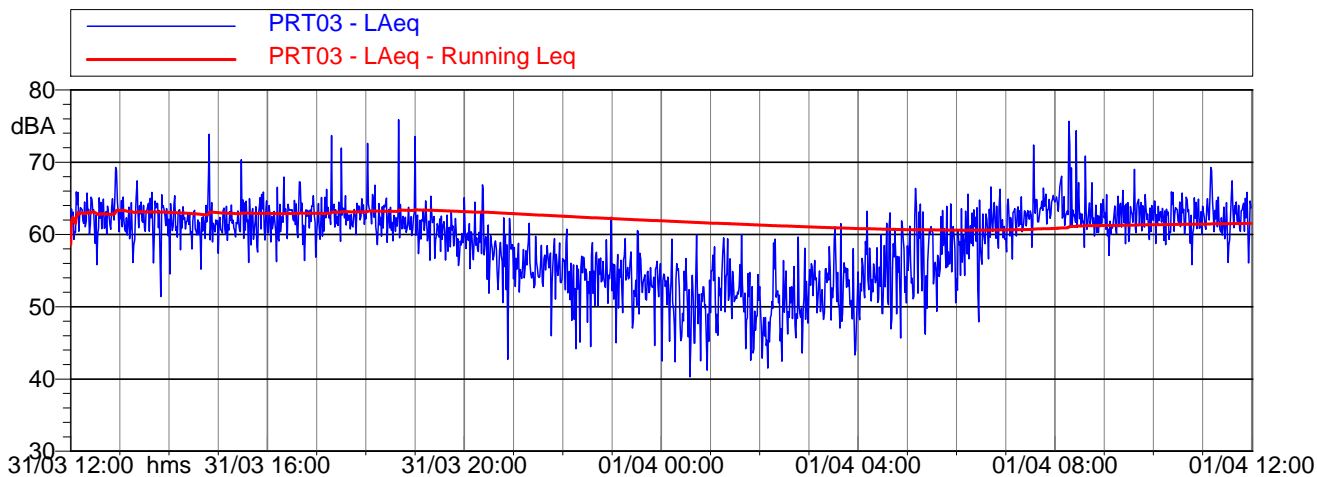
NOTE: Monitoraggio del traffico effettuato con contatraffico automatico (radar a microne)

SINTESI PARAMETRI METEO

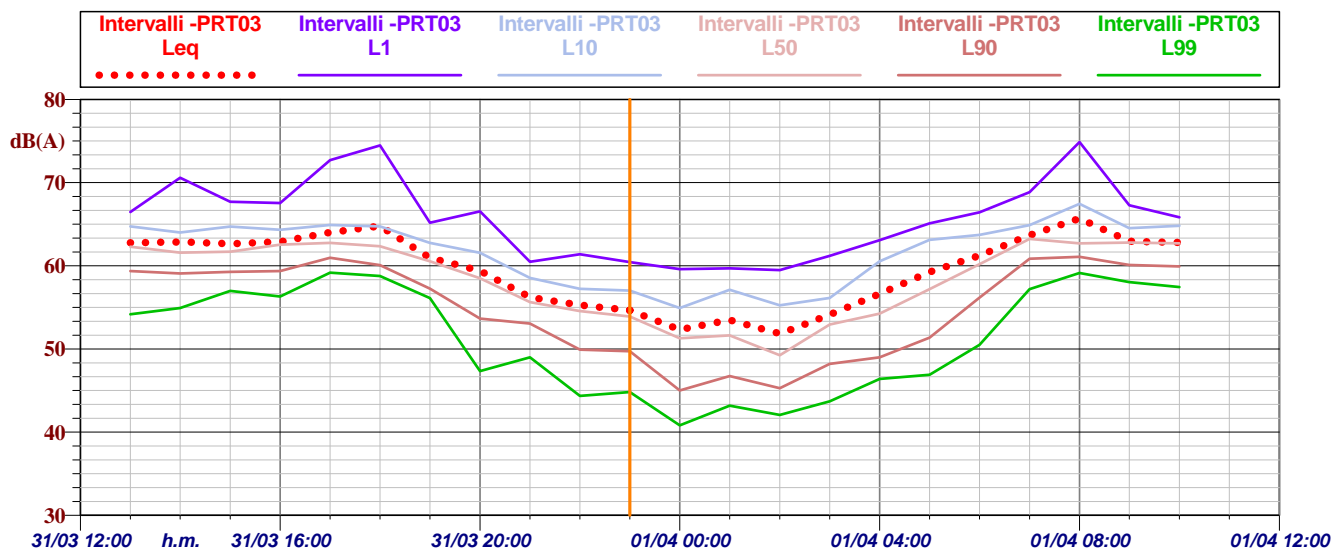
| | Min | Max |
|---------------------|------|------|
| Temperatura [°C] | 12.4 | 19.3 |
| Umidità [%] | 56,0 | 62,0 |
| Vento [m/s] | 0,0 | 3,1 |
| Pioggia [mm] | 0,0 | |
| Direzione Vento [°] | ESE | |

UBICAZIONE PUNTO DI MISURA



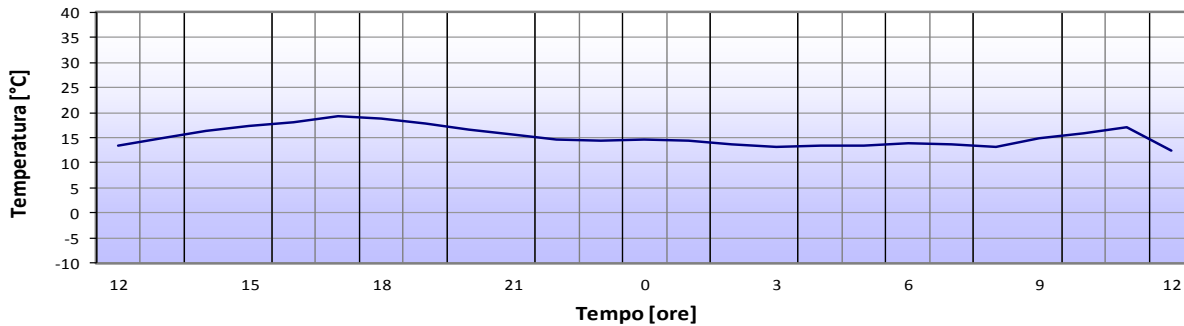


Intervalli orari
 Andamento dei Livelli equivalenti e dei Livelli percentili

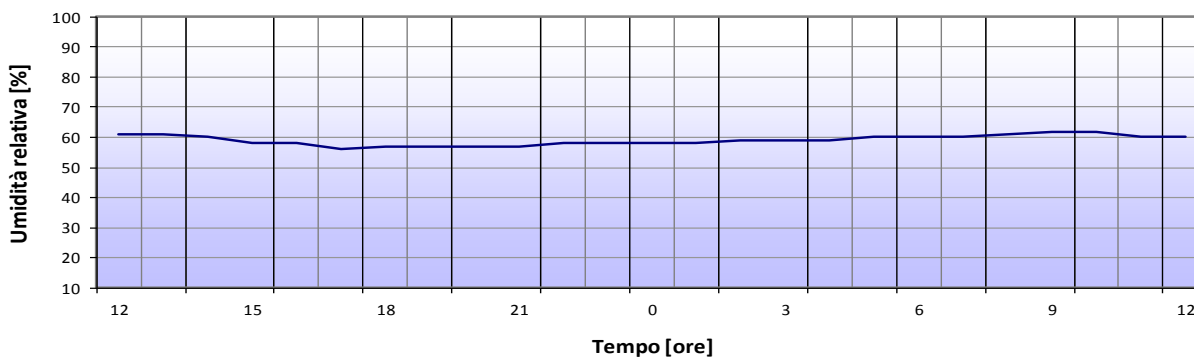


| | LEQ | L1 | L10 | L50 | L90 | L99 |
|----------------|------------|-----------|------------|------------|------------|------------|
| 31/03 11:59:00 | 63.3 dBA | 69.1 dBA | 65.2 dBA | 63.0 dBA | 60.1 dBA | 57.5 dBA |
| 31/03 13:00:00 | 62.8 dBA | 66.5 dBA | 64.7 dBA | 62.3 dBA | 59.4 dBA | 54.2 dBA |
| 31/03 14:00:00 | 62.9 dBA | 70.6 dBA | 64.0 dBA | 61.6 dBA | 59.1 dBA | 54.9 dBA |
| 31/03 15:00:00 | 62.7 dBA | 67.7 dBA | 64.7 dBA | 61.7 dBA | 59.3 dBA | 57.0 dBA |
| 31/03 16:00:00 | 62.9 dBA | 67.5 dBA | 64.3 dBA | 62.5 dBA | 59.4 dBA | 56.3 dBA |
| 31/03 17:00:00 | 64.0 dBA | 72.7 dBA | 64.9 dBA | 62.8 dBA | 61.0 dBA | 59.2 dBA |
| 31/03 18:00:00 | 64.8 dBA | 74.5 dBA | 64.7 dBA | 62.3 dBA | 60.1 dBA | 58.8 dBA |
| 31/03 19:00:00 | 61.0 dBA | 65.2 dBA | 62.8 dBA | 60.5 dBA | 57.3 dBA | 56.1 dBA |
| 31/03 20:00:00 | 59.4 dBA | 66.5 dBA | 61.6 dBA | 58.5 dBA | 53.7 dBA | 47.4 dBA |
| 31/03 21:00:00 | 56.2 dBA | 60.5 dBA | 58.5 dBA | 55.7 dBA | 53.1 dBA | 49.0 dBA |
| 31/03 22:00:00 | 55.3 dBA | 61.4 dBA | 57.2 dBA | 54.5 dBA | 49.9 dBA | 44.4 dBA |
| 31/03 23:00:00 | 54.7 dBA | 60.4 dBA | 57.0 dBA | 53.9 dBA | 49.7 dBA | 44.8 dBA |
| 01/04 00:00:00 | 52.3 dBA | 59.6 dBA | 54.9 dBA | 51.3 dBA | 45.0 dBA | 40.8 dBA |
| 01/04 01:00:00 | 53.5 dBA | 59.7 dBA | 57.1 dBA | 51.7 dBA | 46.8 dBA | 43.2 dBA |
| 01/04 02:00:00 | 51.8 dBA | 59.5 dBA | 55.2 dBA | 49.3 dBA | 45.3 dBA | 42.1 dBA |
| 01/04 03:00:00 | 54.1 dBA | 61.2 dBA | 56.1 dBA | 53.0 dBA | 48.2 dBA | 43.7 dBA |
| 01/04 04:00:00 | 56.6 dBA | 63.1 dBA | 60.6 dBA | 54.3 dBA | 49.0 dBA | 46.4 dBA |
| 01/04 05:00:00 | 59.3 dBA | 65.1 dBA | 63.1 dBA | 57.2 dBA | 51.4 dBA | 46.9 dBA |
| 01/04 06:00:00 | 61.2 dBA | 66.4 dBA | 63.7 dBA | 60.2 dBA | 56.2 dBA | 50.5 dBA |
| 01/04 07:00:00 | 63.7 dBA | 68.9 dBA | 64.9 dBA | 63.3 dBA | 60.9 dBA | 57.2 dBA |
| 01/04 08:00:00 | 65.7 dBA | 74.9 dBA | 67.5 dBA | 62.7 dBA | 61.1 dBA | 59.1 dBA |
| 01/04 09:00:00 | 63.0 dBA | 67.3 dBA | 64.5 dBA | 62.8 dBA | 60.1 dBA | 58.0 dBA |
| 01/04 10:00:00 | 62.8 dBA | 65.8 dBA | 64.8 dBA | 62.7 dBA | 59.9 dBA | 57.5 dBA |
| 01/04 11:00:00 | 63.3 dBA | 69.1 dBA | 65.2 dBA | 62.4 dBA | 59.9 dBA | 56.1 dBA |

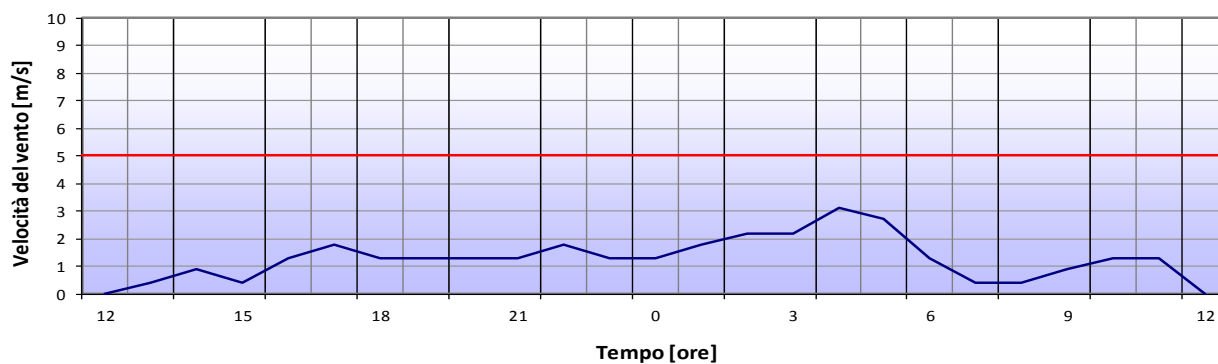
Evoluzione temporale della temperatura



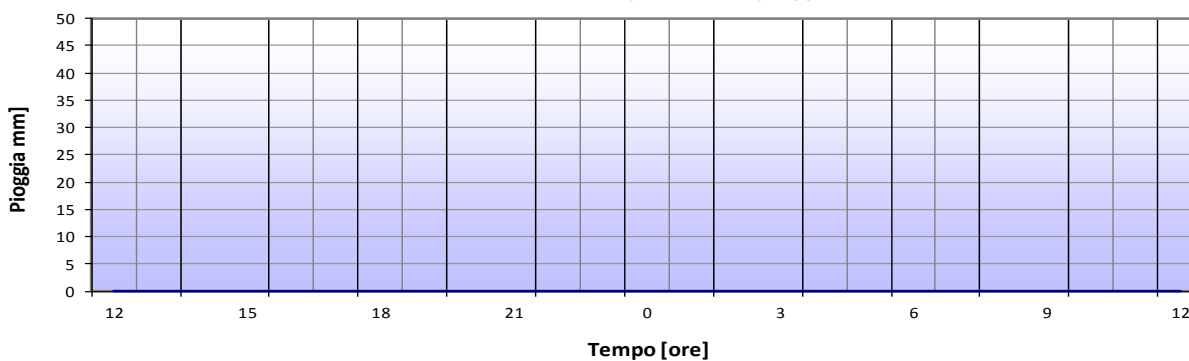
Evoluzione temporale dell'umidità



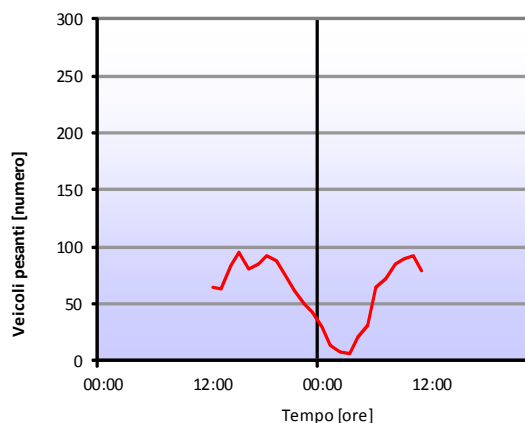
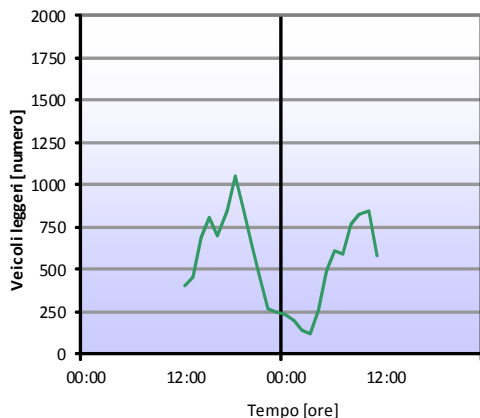
Evoluzione temporale della velocità del vento



Evoluzione temporale della pioggia



FLUSSI VEICOLARI NEI PERIODI DI RIFERIMENTO
DIREZIONE NORD



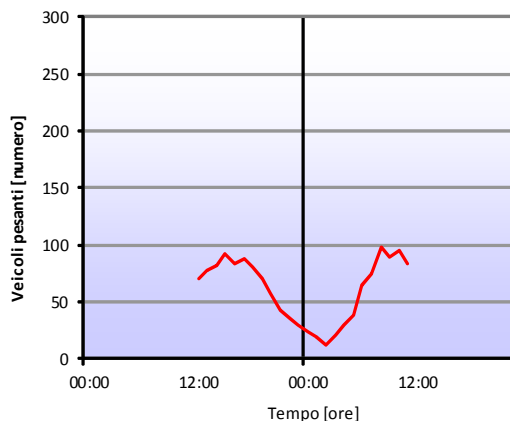
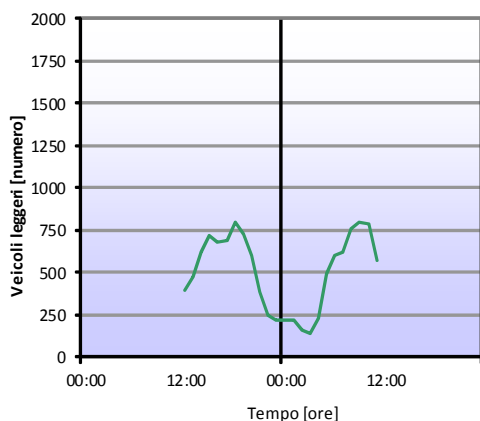
| Data | FLUSSO VEICOLI LEGGERI | | FLUSSO VEICOLI PESANTI | |
|------------|------------------------|----------|------------------------|----------|
| | Diurno | Notturmo | Diurno | Notturmo |
| 31/03/2016 | 6.922 | 1.970 | 789 | 199 |
| 01/04/2016 | 4.235 | | 480 | |

| VELOCITA' MEDIA [km/h] | |
|------------------------|----------|
| Diurno | Notturmo |
| 96 | 96 |
| 91 | |

| | | | | |
|---------------------|---------------|--------------|--------------|------------|
| TOTALE | 11.157 | 1.970 | 1.269 | 199 |
| MEDIA ORARIA | 697 | 246 | 79 | 25 |

| | |
|-----------|-----------|
| 88 | 96 |
|-----------|-----------|

DIREZIONE SUD



| Data | FLUSSO VEICOLI LEGGERI | | FLUSSO VEICOLI PESANTI | |
|------------|------------------------|----------|------------------------|----------|
| | Diurno | Notturmo | Diurno | Notturmo |
| 31/03/2016 | 6.109 | 1.924 | 745 | 211 |
| 01/04/2016 | 4.144 | | 505 | |

| VELOCITA' MEDIA [km/h] | |
|------------------------|----------|
| Diurno | Notturmo |
| 92 | 98 |
| 94 | |

| | | | | |
|---------------------|---------------|--------------|--------------|------------|
| TOTALE | 10.253 | 1.924 | 1.250 | 211 |
| MEDIA ORARIA | 641 | 241 | 78 | 26 |

| | |
|-----------|-----------|
| 92 | 98 |
|-----------|-----------|

| | | | | | |
|-------------------|--|------------------|---------------|------------------|--|
| Tipo rilievo | Monitoraggio acustico in continuo 24 h con rilievo traffico | | | Punto di misura: | PRT 04 |
| Regione | Veneto | Provincia | Verona | Comune | Belfiore |
| Indirizzo | Via Buggia, 14 - 37050 - Belfiore | | | Progressiva AV: | KM 14+925 |
| Coordinate | LAT. 45°23'44.19"N | LONG. | 11°11'47.59"E | Responsabile | Ing. Tiziana Bastianello Regione Lazio n. 270 |
| Strumentazione | Larson Davis 831 mat. 02018 – Taratura n. 185/05134 del 11/09/15 | | | | |
| Concorsuale | Strada Provinciale SP 38b - Distanza 22,15 m | | | Operatore | Dott. Rocco Fasso Regione Campania n. 341/01 |
| Posizione microf. | Facciata edificio – Altezza pari a 4,00 m sul p.d.c. | | | | |
| Data inizio | 30.03.16 | Data fine misura | 31.03.16 | Assistente | Ing. Emanuela Serpi |
| Ora inizio | 11:00:00 | Ora fine misura | 11:00:00 | | |



ELABORAZIONE DATI ACUSTICI E DI TRAFFICO

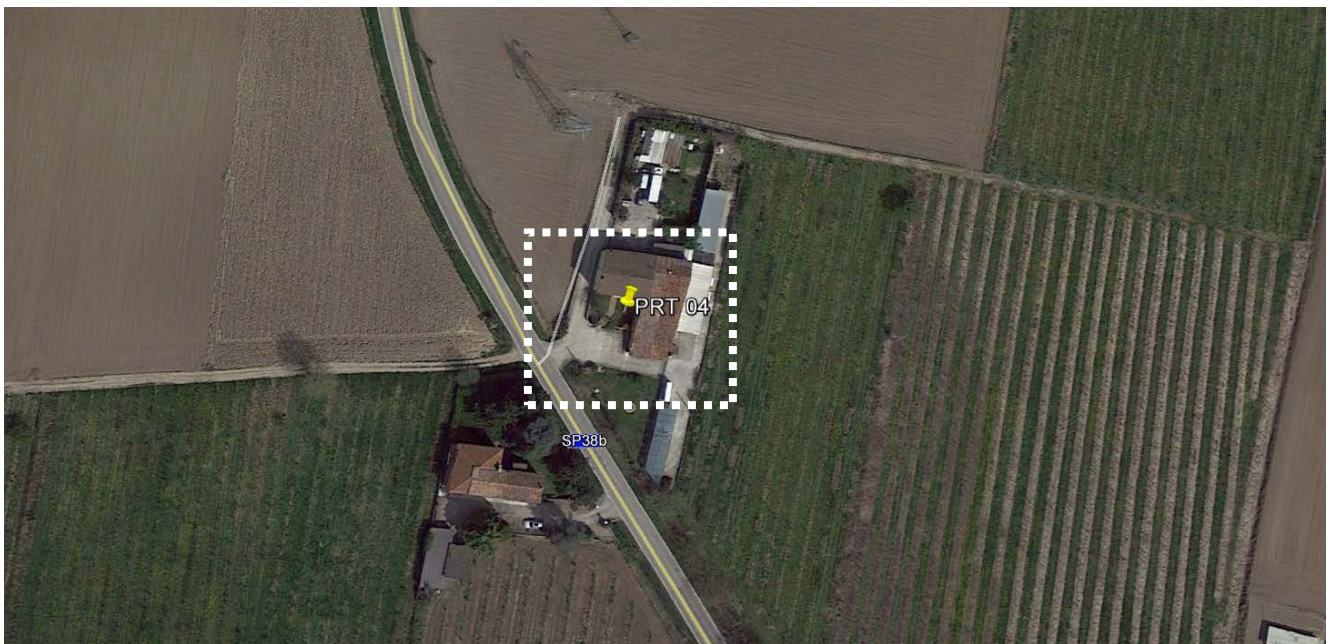
| | Leq [dB(A)] | Leggeri [veh/h] | Pesanti [veh/h] | V _{media} [km/h] |
|------------------|----------------|--------------------|--------------------|------------------------------|
| Periodo Diurno | 59,6 | 138 | 10 | 65,0 |
| Periodo Notturno | 49,7 | 13 | 1 | 72,0 |

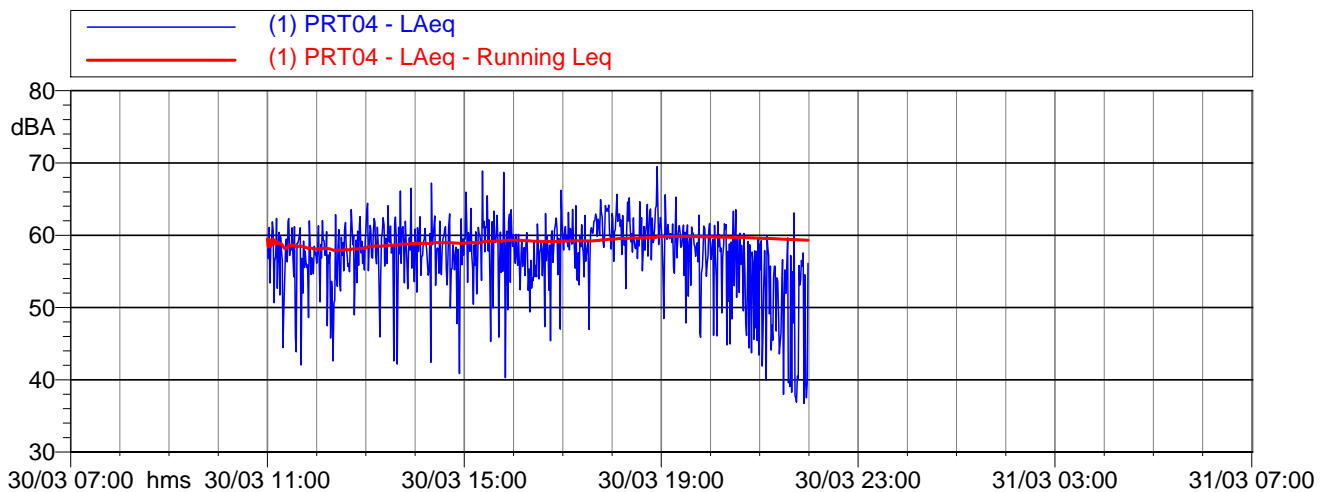
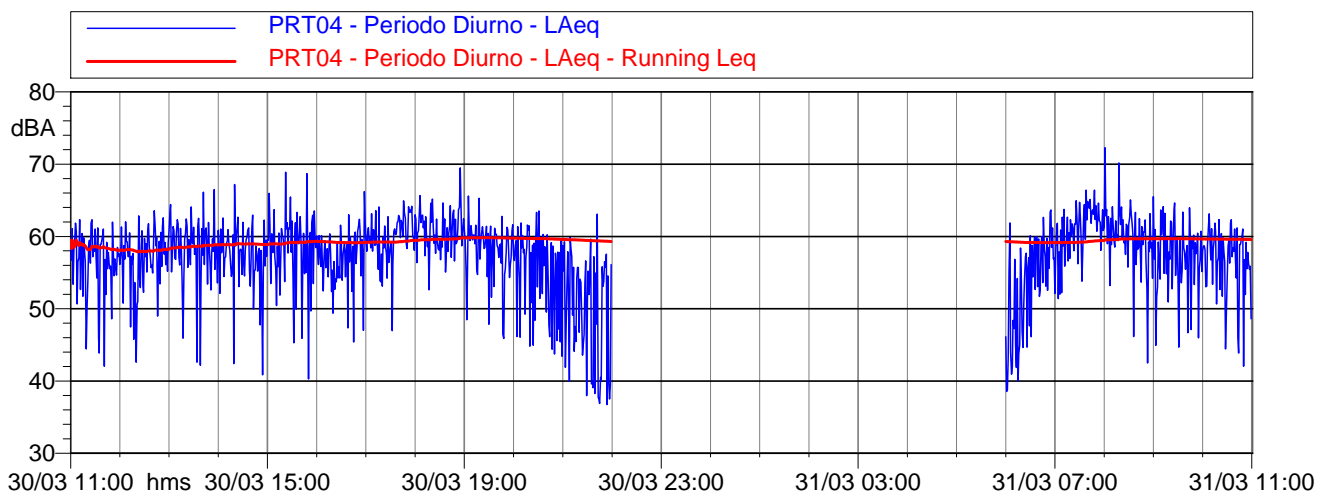
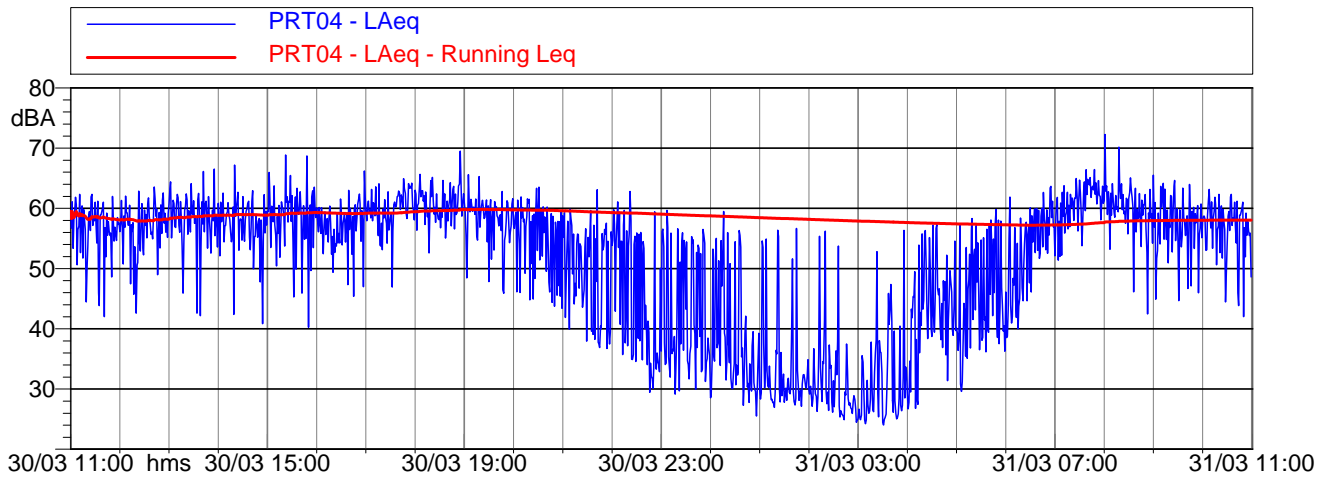
NOTE: Monitoraggio del traffico effettuato con contatraffico automatico (radar a microne)

SINTESI PARAMETRI METEO

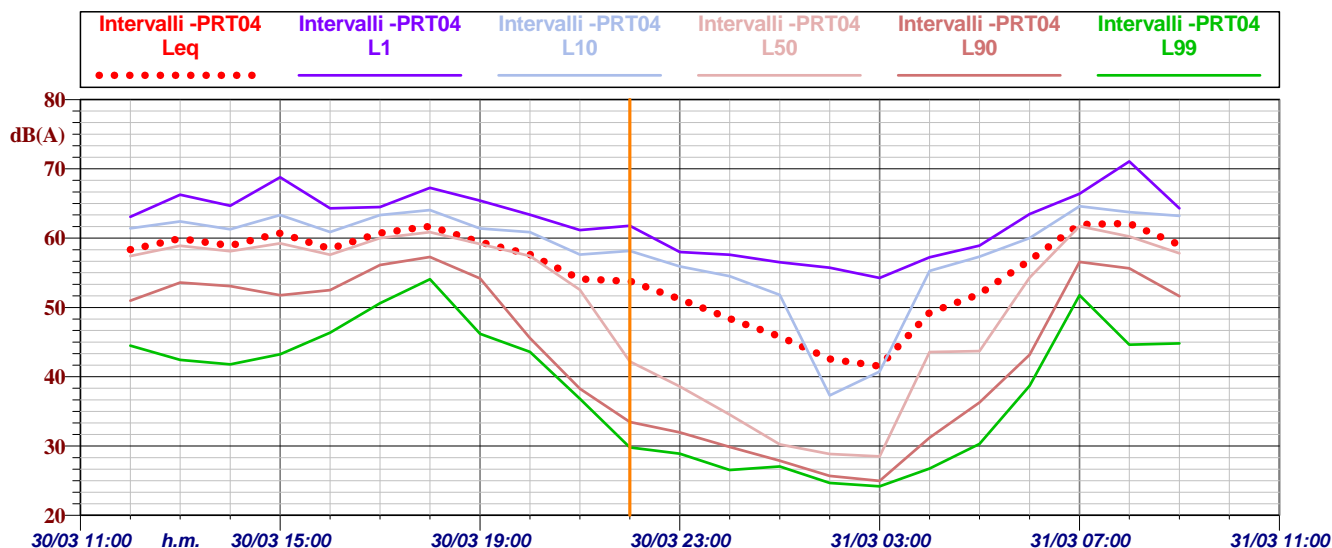
| | Min | Max |
|---------------------|------|------|
| Temperatura [°C] | 8,5 | 18,2 |
| Umidità [%] | 56,0 | 66,0 |
| Vento [m/s] | 0,0 | 0,4 |
| Pioggia [mm] | 0,0 | |
| Direzione Vento [°] | NE | |

UBICAZIONE PUNTO DI MISURA



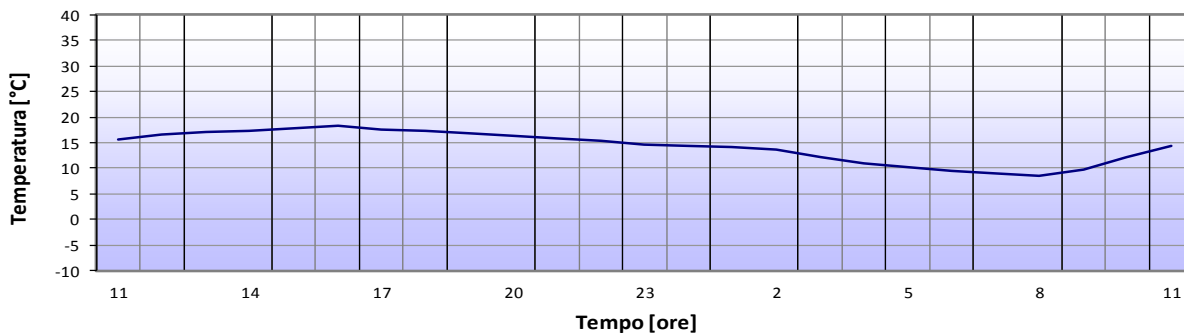


Intervalli orari
Andamento dei Livelli equivalenti e dei Livelli percentili

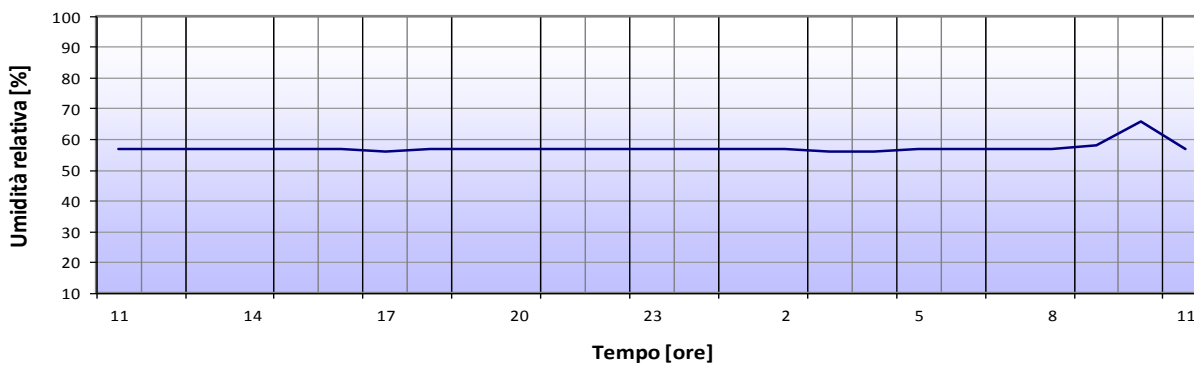


| | LEQ | L1 | L10 | L50 | L90 | L99 |
|----------------|------------|-----------|------------|------------|------------|------------|
| 30/03 10:59:00 | 58.1 dBA | 62.3 dBA | 61.1 dBA | 57.3 dBA | 50.7 dBA | 43.1 dBA |
| 30/03 12:00:00 | 58.3 dBA | 63.1 dBA | 61.4 dBA | 57.4 dBA | 51.0 dBA | 44.5 dBA |
| 30/03 13:00:00 | 59.9 dBA | 66.3 dBA | 62.4 dBA | 58.9 dBA | 53.6 dBA | 42.4 dBA |
| 30/03 14:00:00 | 58.9 dBA | 64.7 dBA | 61.3 dBA | 58.1 dBA | 53.1 dBA | 41.8 dBA |
| 30/03 15:00:00 | 60.7 dBA | 68.8 dBA | 63.3 dBA | 59.3 dBA | 51.8 dBA | 43.2 dBA |
| 30/03 16:00:00 | 58.5 dBA | 64.3 dBA | 60.9 dBA | 57.6 dBA | 52.5 dBA | 46.3 dBA |
| 30/03 17:00:00 | 60.8 dBA | 64.5 dBA | 63.3 dBA | 60.0 dBA | 56.1 dBA | 50.6 dBA |
| 30/03 18:00:00 | 61.7 dBA | 67.3 dBA | 64.0 dBA | 60.8 dBA | 57.3 dBA | 54.1 dBA |
| 30/03 19:00:00 | 59.4 dBA | 65.4 dBA | 61.4 dBA | 59.2 dBA | 54.2 dBA | 46.2 dBA |
| 30/03 20:00:00 | 57.6 dBA | 63.4 dBA | 60.9 dBA | 57.4 dBA | 45.6 dBA | 43.6 dBA |
| 30/03 21:00:00 | 54.1 dBA | 61.2 dBA | 57.6 dBA | 52.5 dBA | 38.3 dBA | 36.8 dBA |
| 30/03 22:00:00 | 53.8 dBA | 61.8 dBA | 58.1 dBA | 42.2 dBA | 33.5 dBA | 29.8 dBA |
| 30/03 23:00:00 | 51.2 dBA | 58.0 dBA | 55.9 dBA | 38.6 dBA | 32.0 dBA | 28.9 dBA |
| 31/03 00:00:00 | 48.4 dBA | 57.6 dBA | 54.5 dBA | 34.5 dBA | 29.9 dBA | 26.6 dBA |
| 31/03 01:00:00 | 45.8 dBA | 56.5 dBA | 51.8 dBA | 30.3 dBA | 27.9 dBA | 27.1 dBA |
| 31/03 02:00:00 | 42.6 dBA | 55.7 dBA | 37.3 dBA | 28.8 dBA | 25.7 dBA | 24.7 dBA |
| 31/03 03:00:00 | 41.5 dBA | 54.2 dBA | 40.7 dBA | 28.5 dBA | 25.0 dBA | 24.2 dBA |
| 31/03 04:00:00 | 49.2 dBA | 57.2 dBA | 55.3 dBA | 43.5 dBA | 31.2 dBA | 26.8 dBA |
| 31/03 05:00:00 | 52.0 dBA | 58.9 dBA | 57.3 dBA | 43.7 dBA | 36.3 dBA | 30.3 dBA |
| 31/03 06:00:00 | 56.8 dBA | 63.5 dBA | 60.0 dBA | 54.3 dBA | 43.2 dBA | 38.7 dBA |
| 31/03 07:00:00 | 62.0 dBA | 66.4 dBA | 64.6 dBA | 61.7 dBA | 56.6 dBA | 51.8 dBA |
| 31/03 08:00:00 | 62.1 dBA | 71.1 dBA | 63.7 dBA | 60.3 dBA | 55.6 dBA | 44.6 dBA |
| 31/03 09:00:00 | 59.0 dBA | 64.3 dBA | 63.2 dBA | 57.8 dBA | 51.6 dBA | 44.8 dBA |
| 31/03 10:00:00 | 58.3 dBA | 62.6 dBA | 61.2 dBA | 57.9 dBA | 50.6 dBA | 43.1 dBA |

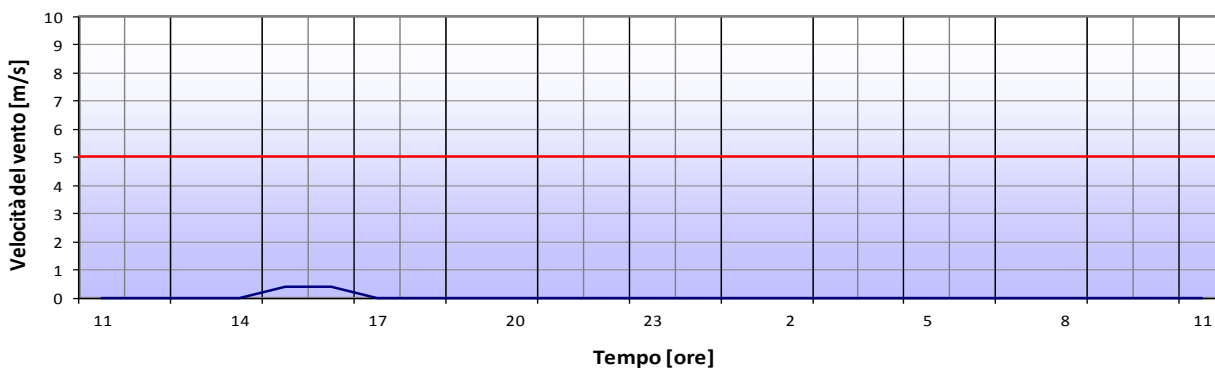
Evoluzione temporale della temperatura



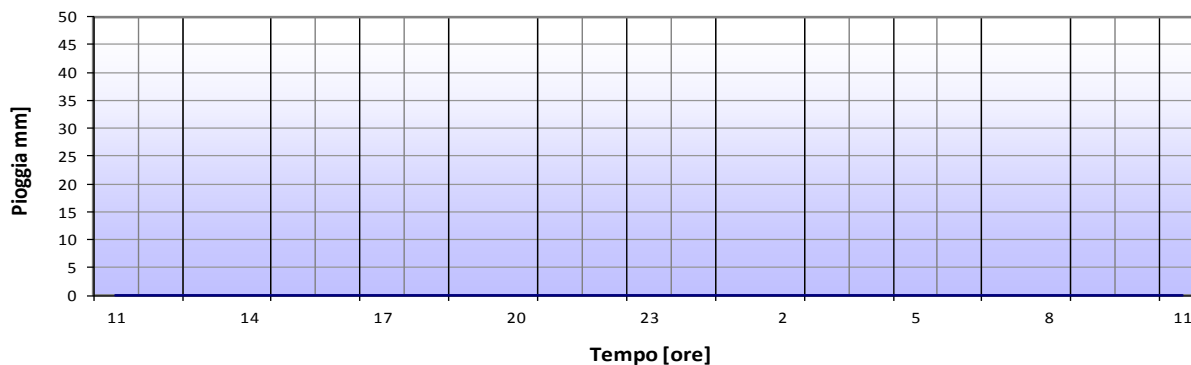
Evoluzione temporale dell'umidità



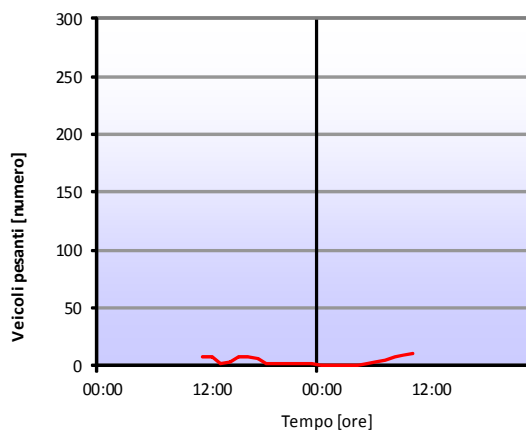
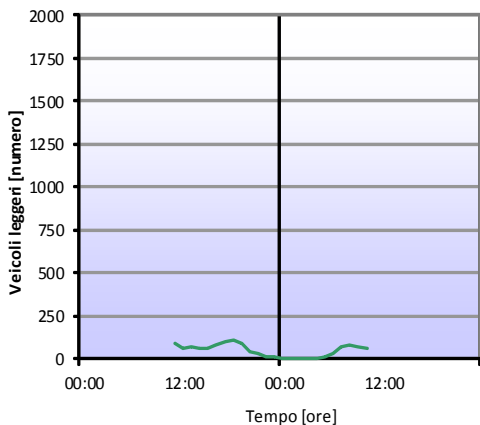
Evoluzione temporale della velocità del vento



Evoluzione temporale della pioggia



FLUSSI VEICOLARI NEI PERIODI DI RIFERIMENTO
DIREZIONE NORD



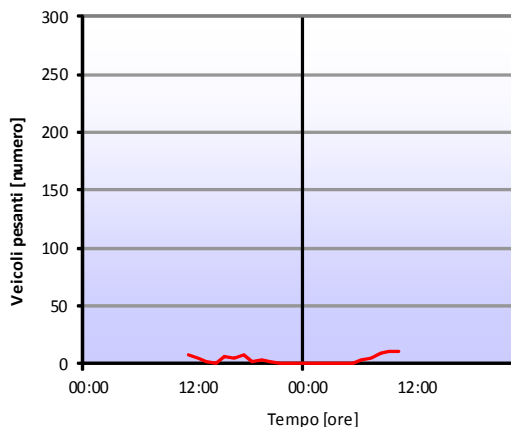
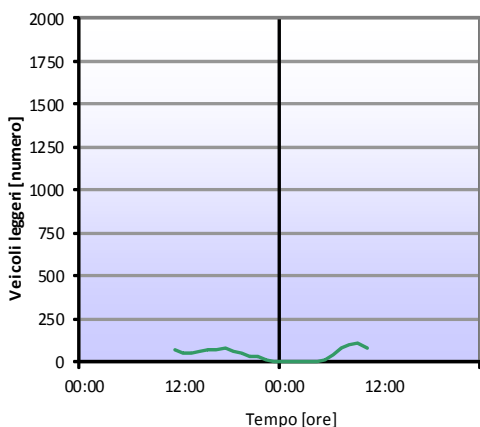
| Data | FLUSSO VEICOLI LEGGERI | | FLUSSO VEICOLI PESANTI | |
|------------|------------------------|----------|------------------------|----------|
| | Diurno | Notturno | Diurno | Notturno |
| 30/03/2016 | 825 | 55 | 46 | 4 |
| 31/03/2016 | 321 | | 35 | |

| VELOCITA' MEDIA [km/h] | |
|------------------------|----------|
| Diurno | Notturno |
| 64 | 72 |
| 66 | |

| | | | | |
|---------------------|--------------|-----------|-----------|----------|
| TOTALE | 1.146 | 55 | 81 | 4 |
| MEDIA ORARIA | 72 | 7 | 5 | 1 |

| | |
|-----------|-----------|
| 60 | 72 |
|-----------|-----------|

DIREZIONE SUD



| Data | FLUSSO VEICOLI LEGGERI | | FLUSSO VEICOLI PESANTI | |
|------------|------------------------|----------|------------------------|----------|
| | Diurno | Notturno | Diurno | Notturno |
| 30/03/2016 | 641 | 50 | 43 | 3 |
| 31/03/2016 | 419 | | 37 | |

| VELOCITA' MEDIA [km/h] | |
|------------------------|----------|
| Diurno | Notturno |
| 65 | 72 |
| 67 | |

| | | | | |
|---------------------|--------------|-----------|-----------|----------|
| TOTALE | 1.060 | 50 | 80 | 3 |
| MEDIA ORARIA | 66 | 6 | 5 | 0 |

| | |
|-----------|-----------|
| 65 | 72 |
|-----------|-----------|

| | | | | | |
|-------------------|--|---------------------|----------|------------------|---|
| Tipo rilievo | Monitoraggio acustico in continuo 24 h con rilievo traffico | | | Punto di misura: | PRT 05 |
| Regione | Veneto | Provincia | Verona | Comune | Belfiore |
| Indirizzo | SP39 - 37050 - Belfiore | | | Progressiva AV: | KM 16+250 |
| Coordinate | LAT. 45°23'41.25"N | LONG. 11°12'49.57"E | | Responsabile | Ing. Tiziana Baglianello Regione Lazio n. 270 |
| Strumentazione | Larson Davis LxT mat. 02879 – Taratura n. 224/00305 del 05/05/14 | | | | |
| Concorsuale | Strada Provinciale SP39 - Distanza 37,59 m | | | Operatore | Geom. G. La Francesca Regione Campania n. 250/99 |
| Posizione microf. | Facciata edificio – Altezza pari a 5,00 m sul p.d.c. | | | | |
| Data inizio | 31.03.16 | Data fine misura | 01.04.16 | Assistente | Ing. Benedetta Grimaldi |
| Ora inizio | 10:00:00 | Ora fine misura | 10:00:00 | | |



ELABORAZIONE DATI ACUSTICI E DI TRAFFICO

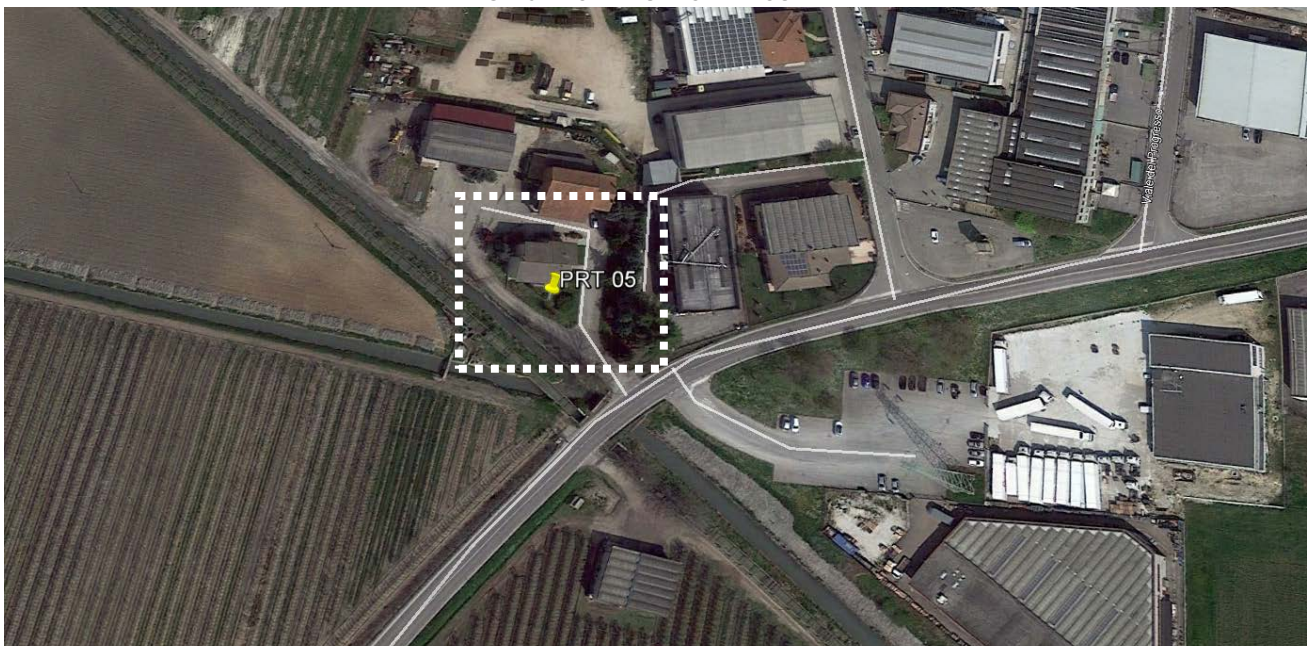
| | Leq [dB(A)] | Leggeri [veh/h] | Pesanti [veh/h] | V _{media} [km/h] |
|------------------|----------------|--------------------|--------------------|------------------------------|
| Periodo Diurno | 59,3 | 154 | 13 | 41,0 |
| Periodo Notturno | 50,7 | 13 | 1 | 51,0 |

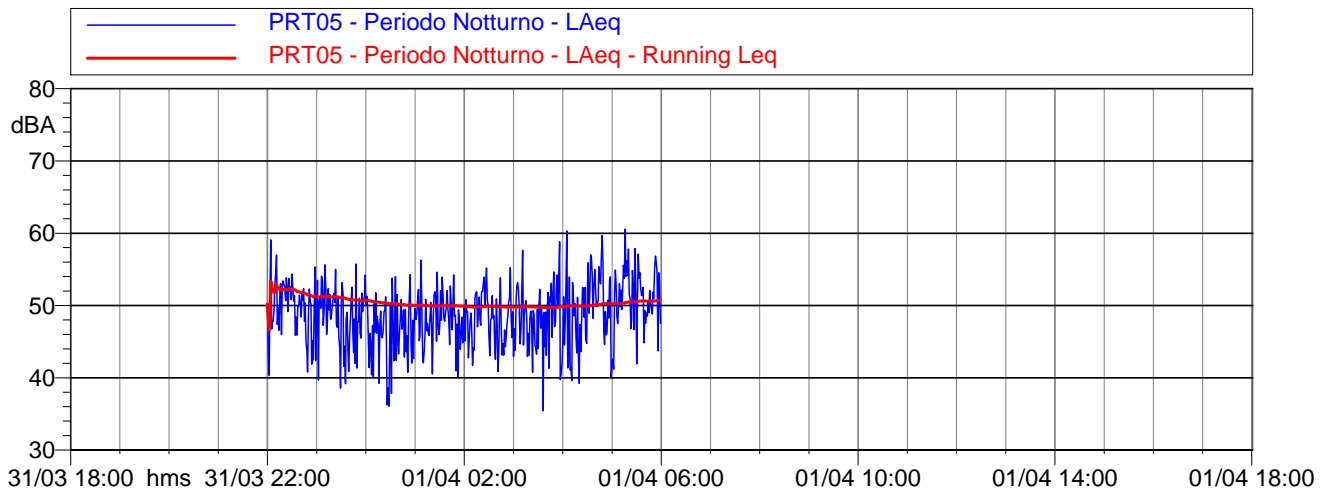
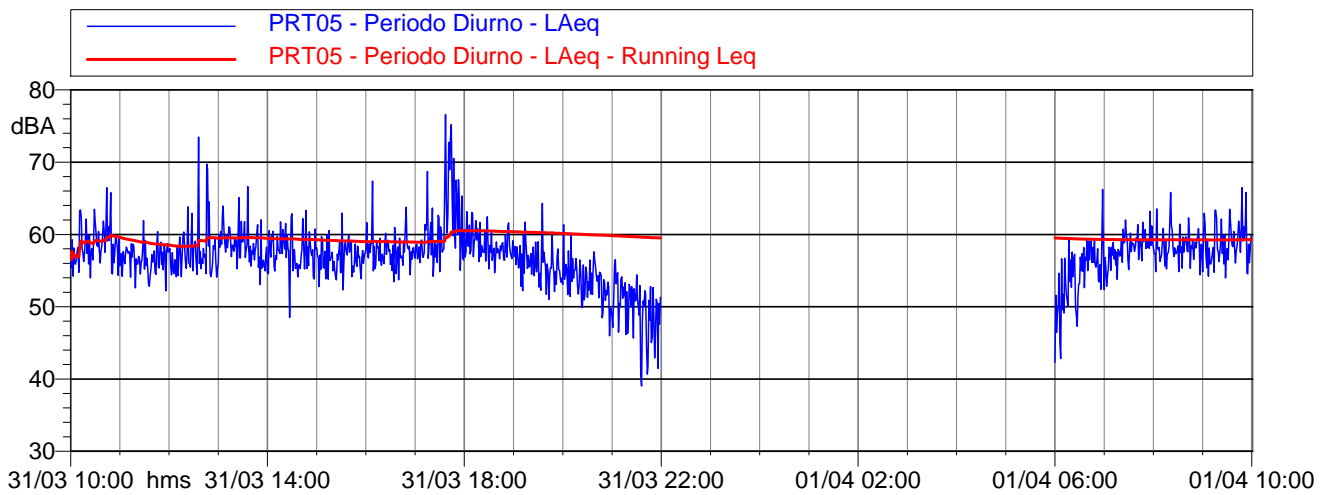
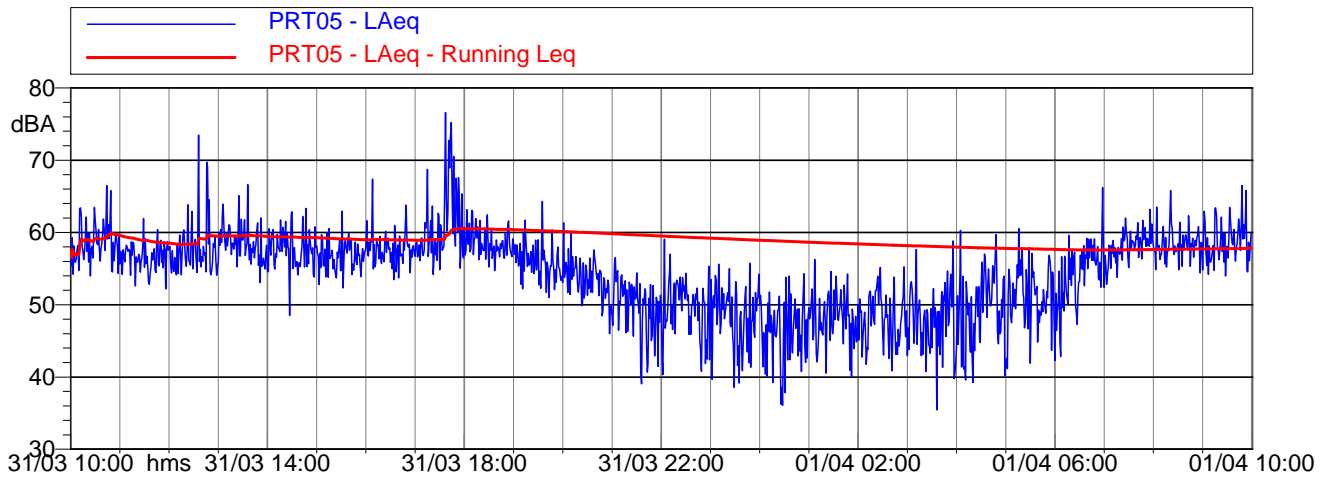
NOTE: Monitoraggio del traffico effettuato con contatraffico automatico (radar a microne)

SINTESI PARAMETRI METEO

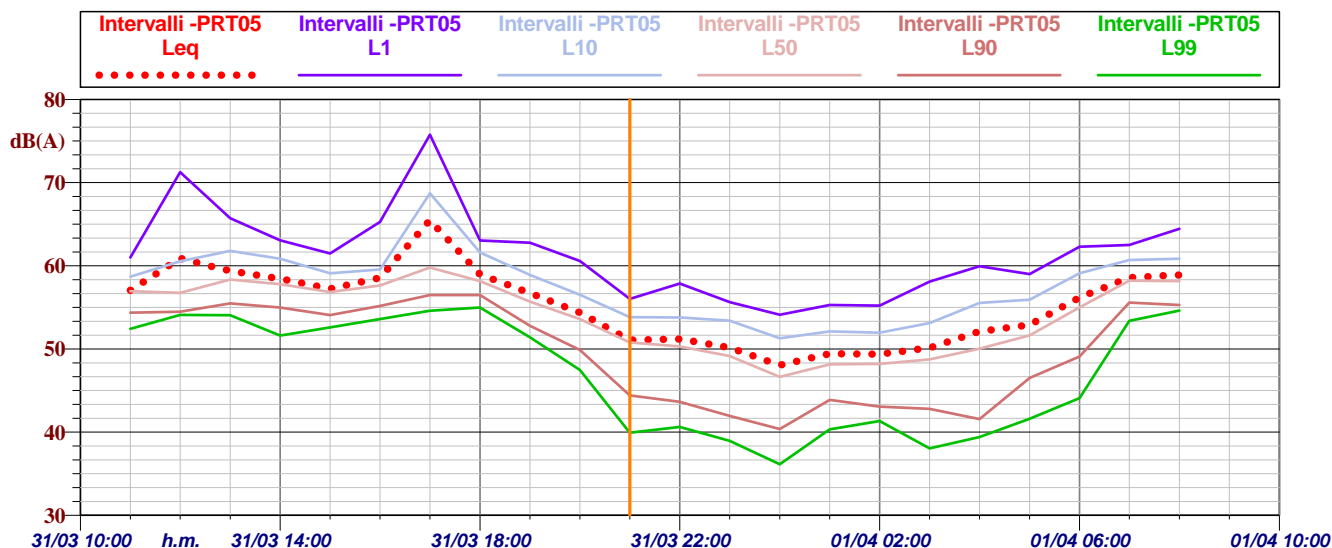
| | Min | Max |
|---------------------|------|------|
| Temperatura [°C] | 13,1 | 19,3 |
| Umidità [%] | 56,0 | 62,0 |
| Vento [m/s] | 0,0 | 3,1 |
| Pioggia [mm] | 0,0 | |
| Direzione Vento [°] | ESE | |

UBICAZIONE PUNTO DI MISURA



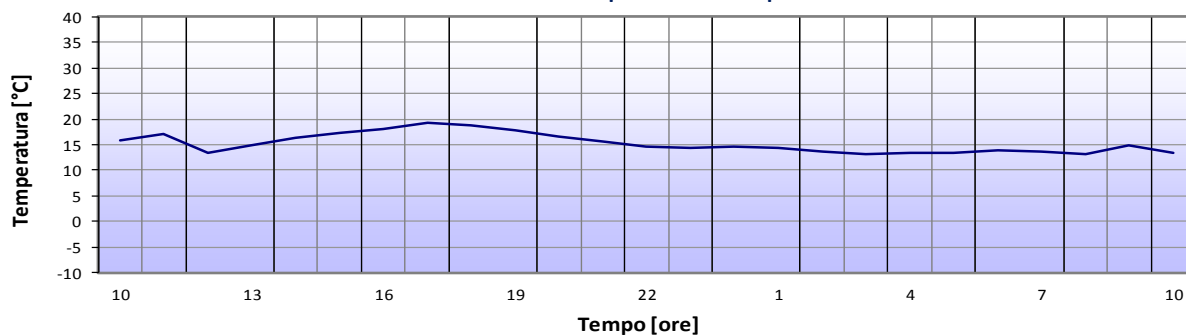


Intervalli orari
 Andamento dei Livelli equivalenti e dei Livelli percentili

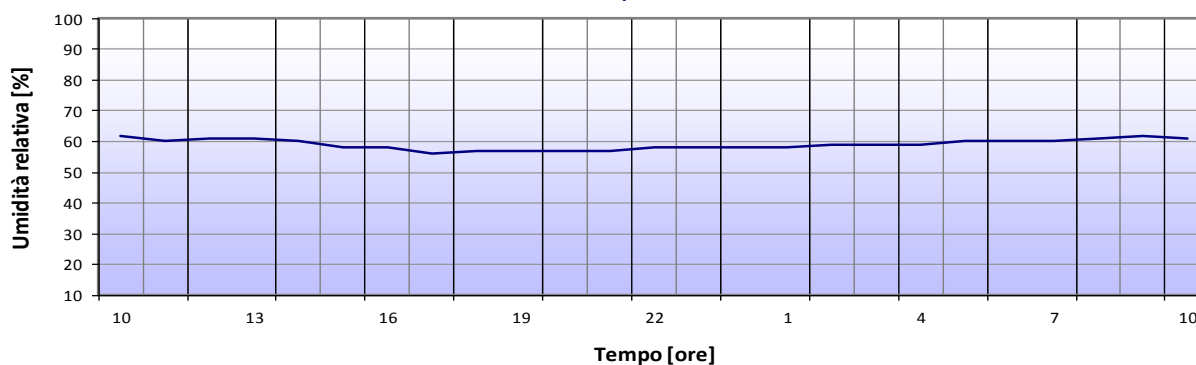


| | LEQ | L1 | L10 | L50 | L90 | L99 |
|----------------|------------|-----------|------------|------------|------------|------------|
| 31/03 09:59:00 | 59.6 dBA | 66.1 dBA | 62.1 dBA | 58.2 dBA | 55.4 dBA | 54.1 dBA |
| 31/03 11:00:00 | 57.1 dBA | 61.0 dBA | 58.7 dBA | 57.0 dBA | 54.4 dBA | 52.4 dBA |
| 31/03 12:00:00 | 60.9 dBA | 71.3 dBA | 60.6 dBA | 56.8 dBA | 54.5 dBA | 54.1 dBA |
| 31/03 13:00:00 | 59.4 dBA | 65.7 dBA | 61.8 dBA | 58.3 dBA | 55.5 dBA | 54.1 dBA |
| 31/03 14:00:00 | 58.5 dBA | 63.1 dBA | 60.9 dBA | 57.8 dBA | 55.0 dBA | 51.6 dBA |
| 31/03 15:00:00 | 57.2 dBA | 61.5 dBA | 59.1 dBA | 56.8 dBA | 54.1 dBA | 52.6 dBA |
| 31/03 16:00:00 | 58.6 dBA | 65.3 dBA | 59.6 dBA | 57.7 dBA | 55.2 dBA | 53.6 dBA |
| 31/03 17:00:00 | 65.5 dBA | 75.8 dBA | 68.7 dBA | 59.8 dBA | 56.5 dBA | 54.6 dBA |
| 31/03 18:00:00 | 59.0 dBA | 63.0 dBA | 61.6 dBA | 58.2 dBA | 56.5 dBA | 55.0 dBA |
| 31/03 19:00:00 | 56.7 dBA | 62.8 dBA | 58.9 dBA | 55.7 dBA | 52.8 dBA | 51.4 dBA |
| 31/03 20:00:00 | 54.4 dBA | 60.6 dBA | 56.5 dBA | 53.6 dBA | 49.9 dBA | 47.5 dBA |
| 31/03 21:00:00 | 51.1 dBA | 56.0 dBA | 53.8 dBA | 50.8 dBA | 44.4 dBA | 39.9 dBA |
| 31/03 22:00:00 | 51.2 dBA | 57.9 dBA | 53.8 dBA | 50.3 dBA | 43.6 dBA | 40.6 dBA |
| 31/03 23:00:00 | 50.2 dBA | 55.6 dBA | 53.4 dBA | 49.2 dBA | 42.0 dBA | 39.0 dBA |
| 01/04 00:00:00 | 48.1 dBA | 54.1 dBA | 51.3 dBA | 46.7 dBA | 40.4 dBA | 36.2 dBA |
| 01/04 01:00:00 | 49.4 dBA | 55.3 dBA | 52.1 dBA | 48.2 dBA | 43.9 dBA | 40.3 dBA |
| 01/04 02:00:00 | 49.4 dBA | 55.2 dBA | 52.0 dBA | 48.2 dBA | 43.1 dBA | 41.3 dBA |
| 01/04 03:00:00 | 50.1 dBA | 58.1 dBA | 53.1 dBA | 48.8 dBA | 42.8 dBA | 38.0 dBA |
| 01/04 04:00:00 | 52.1 dBA | 59.9 dBA | 55.5 dBA | 50.1 dBA | 41.6 dBA | 39.4 dBA |
| 01/04 05:00:00 | 52.9 dBA | 59.0 dBA | 55.9 dBA | 51.7 dBA | 46.5 dBA | 41.6 dBA |
| 01/04 06:00:00 | 56.2 dBA | 62.3 dBA | 59.1 dBA | 55.0 dBA | 49.1 dBA | 44.1 dBA |
| 01/04 07:00:00 | 58.6 dBA | 62.5 dBA | 60.7 dBA | 58.2 dBA | 55.6 dBA | 53.4 dBA |
| 01/04 08:00:00 | 58.9 dBA | 64.4 dBA | 60.8 dBA | 58.2 dBA | 55.3 dBA | 54.6 dBA |
| 01/04 09:00:00 | 59.8 dBA | 66.1 dBA | 62.4 dBA | 58.4 dBA | 55.8 dBA | 54.1 dBA |

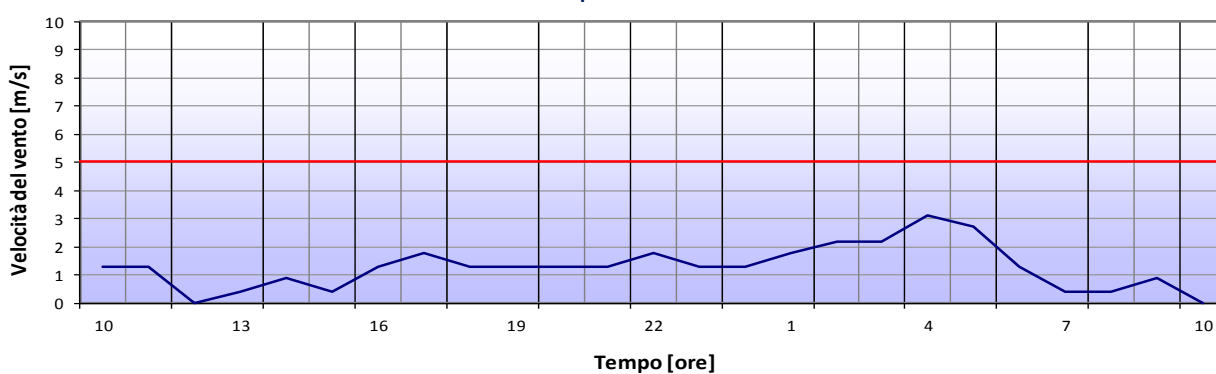
Evoluzione temporale della temperatura



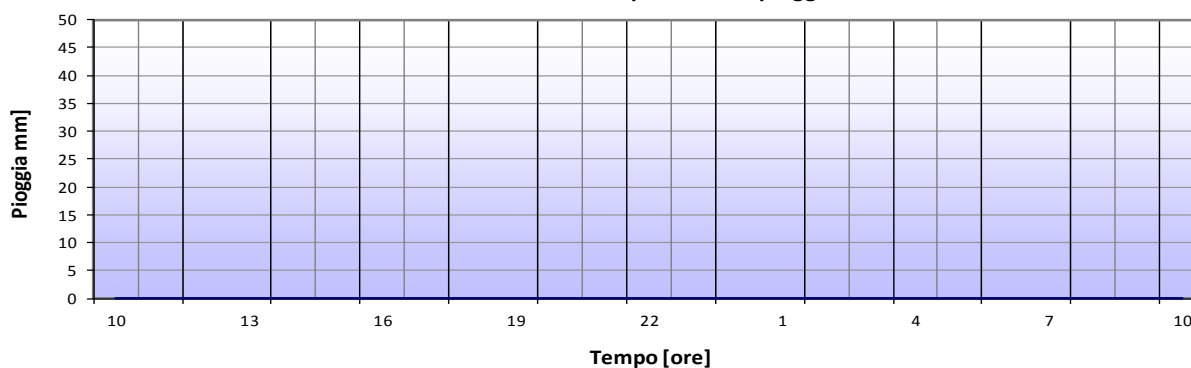
Evoluzione temporale dell'umidità

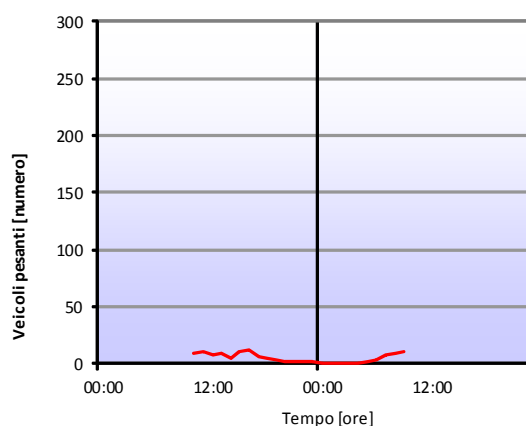
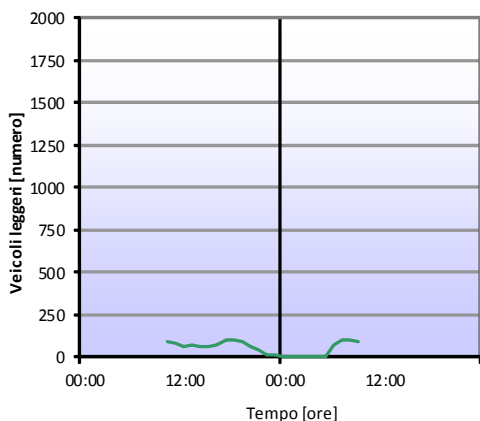


Evoluzione temporale della velocità del vento



Evoluzione temporale della pioggia



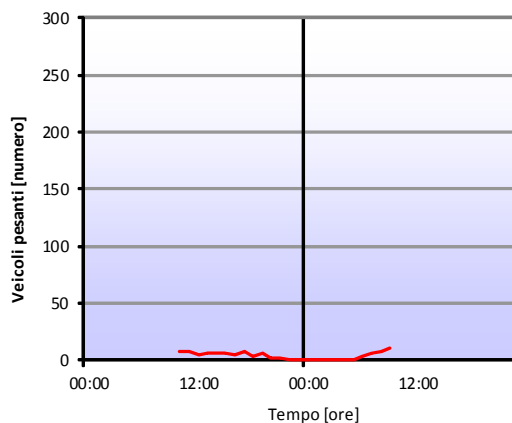
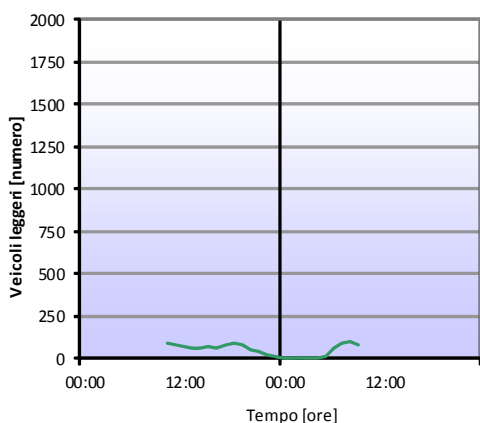
FLUSSI VEICOLARI NEI PERIODI DI RIFERIMENTO
DIREZIONE NORD


| Data | FLUSSO VEICOLI LEGGERI | | FLUSSO VEICOLI PESANTI | |
|------------|------------------------|----------|------------------------|----------|
| | Diurno | Notturmo | Diurno | Notturmo |
| 31/03/2016 | 899 | 52 | 77 | 4 |
| 01/04/2016 | 369 | | 29 | |

| VELOCITA' MEDIA [km/h] | |
|------------------------|----------|
| Diurno | Notturmo |
| 40 | 51 |
| 45 | |

| | | | | |
|---------------------|--------------|-----------|------------|----------|
| TOTALE | 1.268 | 52 | 106 | 4 |
| MEDIA ORARIA | 79 | 7 | 7 | 1 |

| | |
|-----------|-----------|
| 39 | 51 |
|-----------|-----------|

DIREZIONE SUD


| Data | FLUSSO VEICOLI LEGGERI | | FLUSSO VEICOLI PESANTI | |
|------------|------------------------|----------|------------------------|----------|
| | Diurno | Notturmo | Diurno | Notturmo |
| 31/03/2016 | 852 | 53 | 65 | 3 |
| 01/04/2016 | 341 | | 29 | |

| VELOCITA' MEDIA [km/h] | |
|------------------------|----------|
| Diurno | Notturmo |
| 37 | 51 |
| 50 | |

| | | | | |
|---------------------|--------------|-----------|-----------|----------|
| TOTALE | 1.193 | 53 | 94 | 3 |
| MEDIA ORARIA | 75 | 7 | 6 | 0 |

| | |
|-----------|-----------|
| 41 | 51 |
|-----------|-----------|

| | | | | | |
|-------------------|--|---------------------|------------------|--|---------------------|
| Tipo rilievo | Monitoraggio acustico in continuo 24 h con rilievo traffico | | Punto di misura: | PRT 06 | |
| Regione | Veneto | Provincia | Verona | Comune | San Bonifacio |
| Indirizzo | SP38 – 37047 - San Bonifacio | | Progressiva AV: | KM 18+875 | |
| Coordinate | LAT. 45°23'24.52"N | LONG. 11°14'47.34"E | Responsabile | Ing. Tiziana Bastianello Regione Lazio n. 270 | |
| Strumentazione | Larson Davis LxT mat. 02852 – Taratura n. 185/04757 del 17/02/15 | | | | |
| Concorsuale | Strada Provinciale SP 38 - Distanza 14,86 m | | Operatore | Dott. Rocco Tasso Regione Campania n. 341/01 | |
| Posizione microf. | Facciata edificio – Altezza pari a 6,00 m sul p.d.c. | | | | |
| Data inizio | 31.03.16 | Data fine misura | 01.04.16 | Assistente | Ing. Emanuela Serpi |
| Ora inizio | 10:00:00 | Ora fine misura | 10:00:00 | | |



ELABORAZIONE DATI ACUSTICI E DI TRAFFICO

| | Leq [dB(A)] | Leggeri [veh/h] | Pesanti [veh/h] | V _{media} [km/h] |
|------------------|----------------|--------------------|--------------------|------------------------------|
| Periodo Diurno | 71,9 | 739 | 219 | 70,0 |
| Periodo Notturno | 66,5 | 363 | 42 | 77,0 |

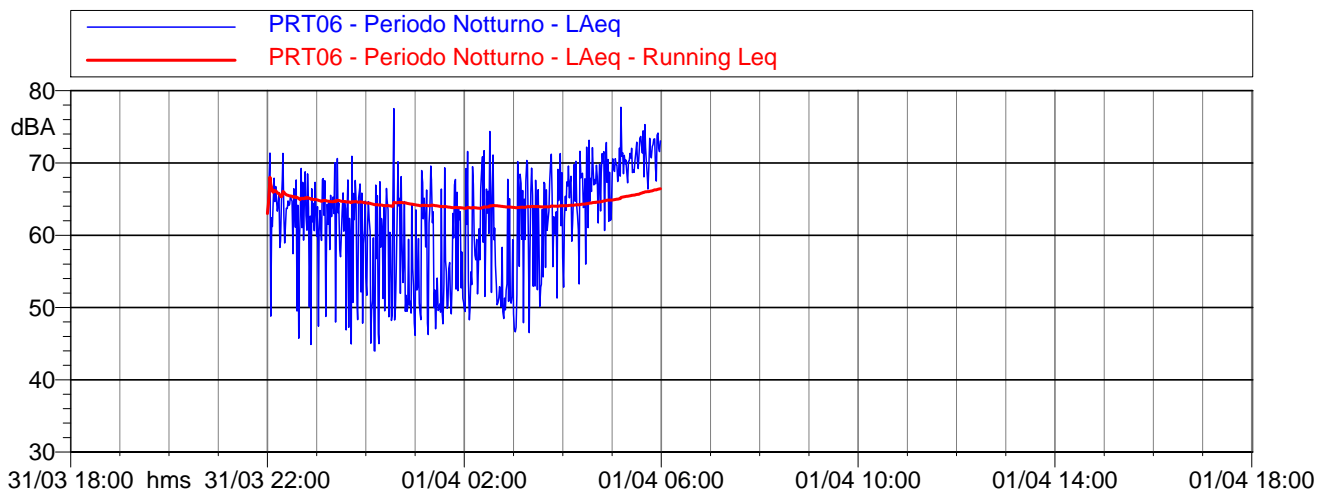
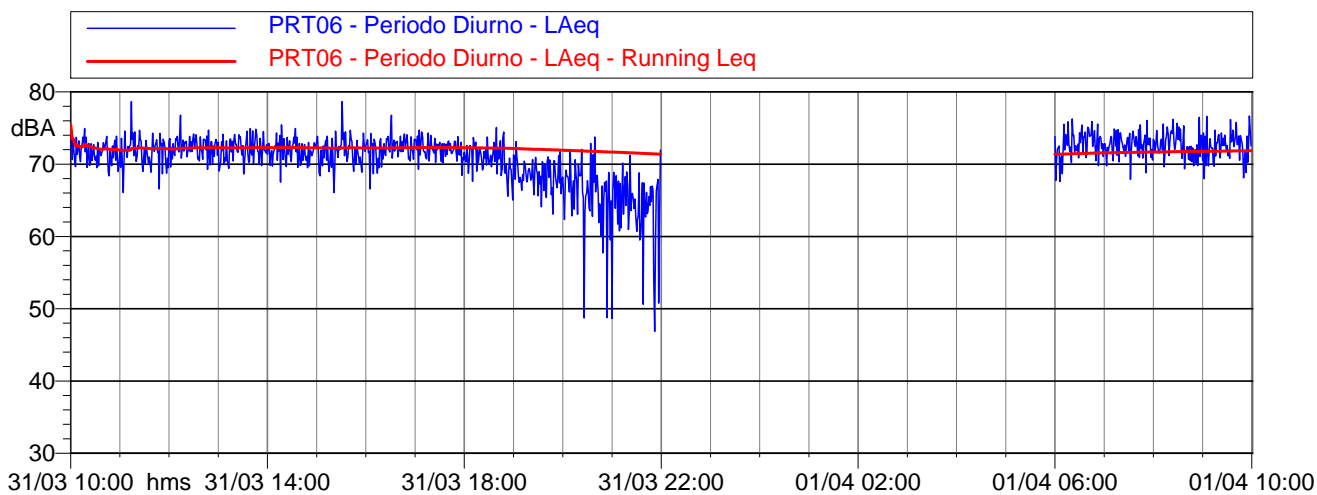
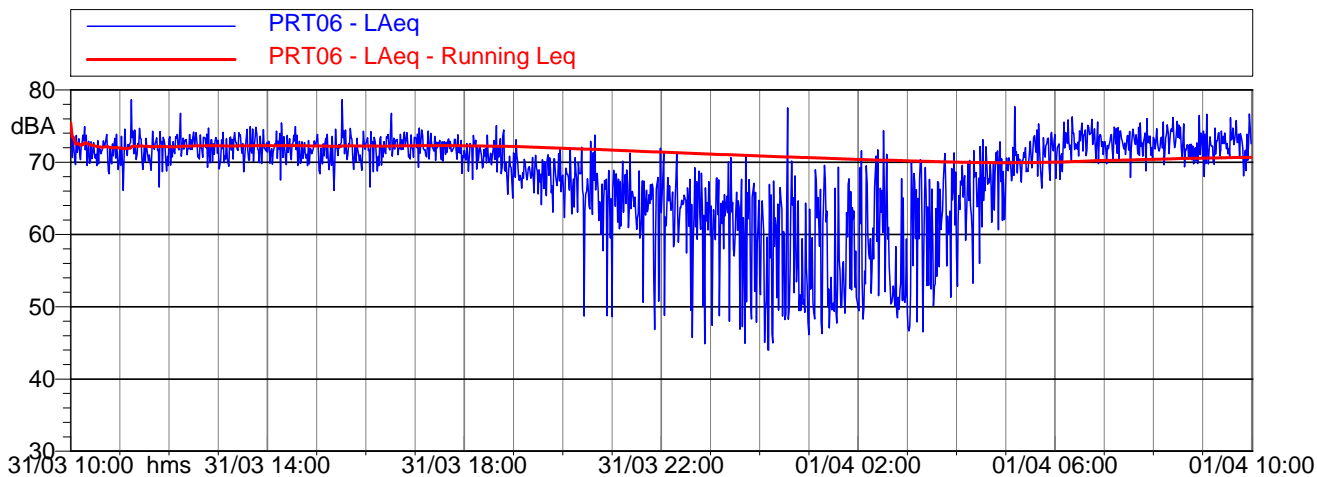
NOTE: Monitoraggio del traffico effettuato con contatraffico automatico (radar a microne)

SINTESI PARAMETRI METEO

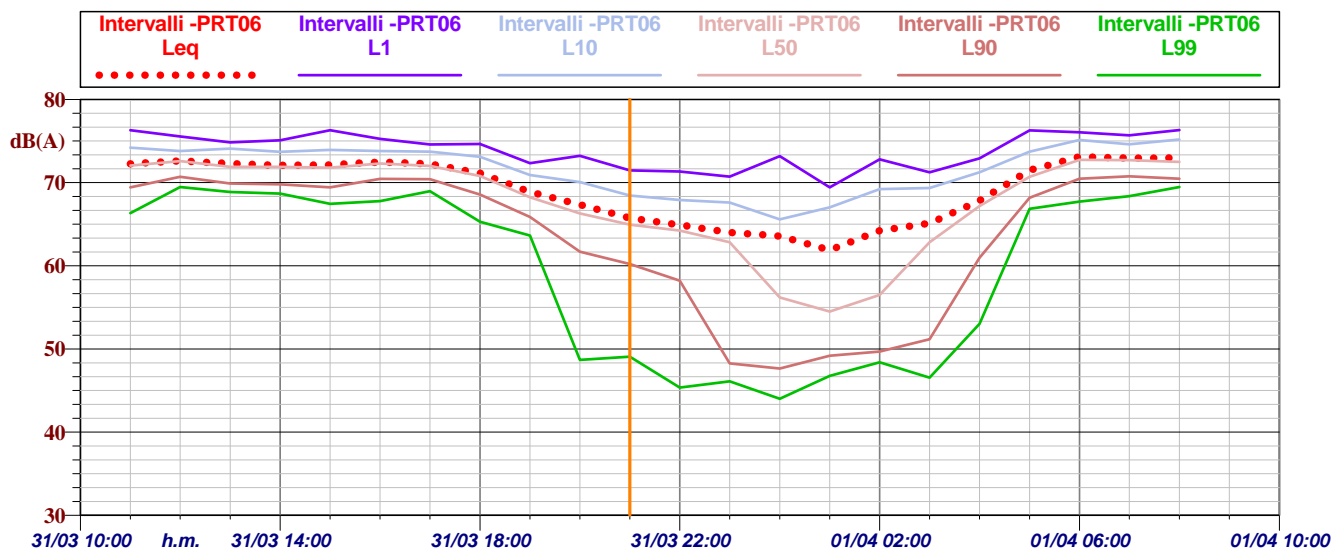
| | Min | Max |
|---------------------|------|------|
| Temperatura [°C] | 13,1 | 19,3 |
| Umidità [%] | 56,0 | 62,0 |
| Vento [m/s] | 0, | 3,1 |
| Pioggia [mm] | 0,0 | |
| Direzione Vento [°] | ESE | |

UBICAZIONE PUNTO DI MISURA



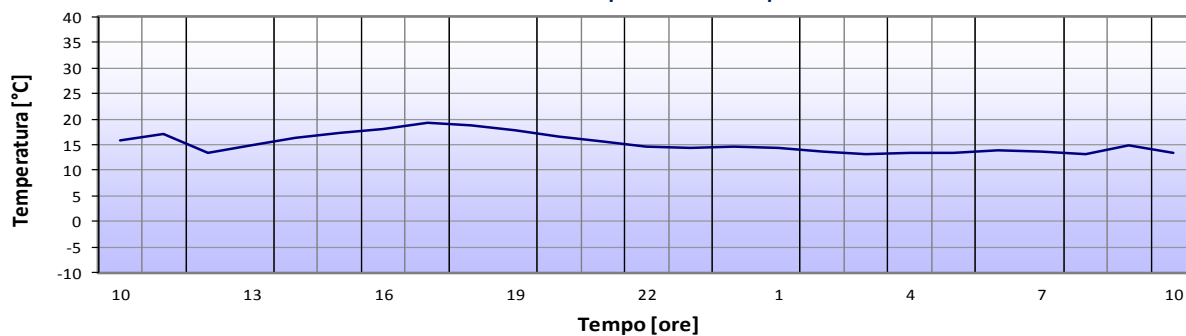


Intervalli orari
Andamento dei Livelli equivalenti e dei Livelli percentili

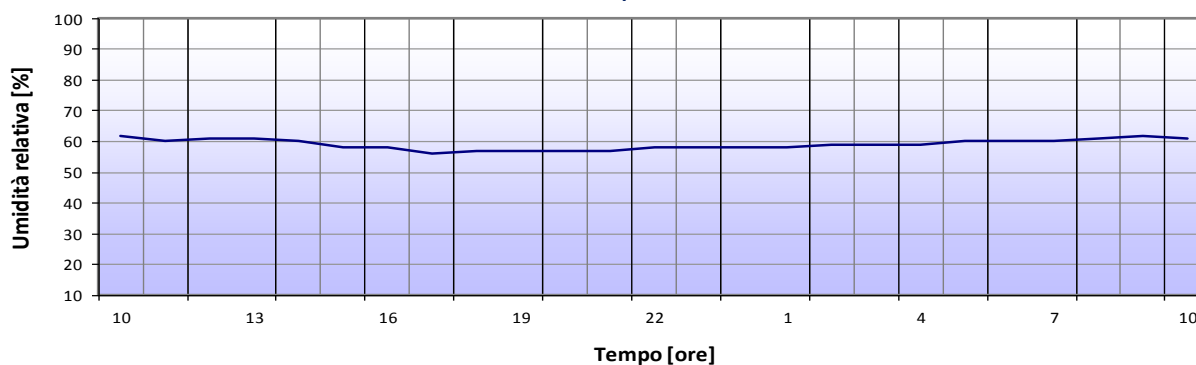


| | LEQ | L1 | L10 | L50 | L90 | L99 |
|----------------|------------|-----------|------------|------------|------------|------------|
| 31/03 09:59:00 | 72.0 dBA | 75.1 dBA | 73.7 dBA | 71.8 dBA | 69.7 dBA | 68.6 dBA |
| 31/03 11:00:00 | 72.3 dBA | 76.3 dBA | 74.2 dBA | 72.1 dBA | 69.4 dBA | 66.3 dBA |
| 31/03 12:00:00 | 72.6 dBA | 75.6 dBA | 73.8 dBA | 72.6 dBA | 70.7 dBA | 69.5 dBA |
| 31/03 13:00:00 | 72.3 dBA | 74.8 dBA | 74.1 dBA | 71.9 dBA | 69.9 dBA | 68.9 dBA |
| 31/03 14:00:00 | 72.1 dBA | 75.1 dBA | 73.7 dBA | 71.9 dBA | 69.8 dBA | 68.7 dBA |
| 31/03 15:00:00 | 72.2 dBA | 76.3 dBA | 73.9 dBA | 71.8 dBA | 69.4 dBA | 67.5 dBA |
| 31/03 16:00:00 | 72.5 dBA | 75.3 dBA | 73.8 dBA | 72.3 dBA | 70.5 dBA | 67.8 dBA |
| 31/03 17:00:00 | 72.3 dBA | 74.6 dBA | 73.7 dBA | 72.0 dBA | 70.4 dBA | 69.0 dBA |
| 31/03 18:00:00 | 71.2 dBA | 74.6 dBA | 73.1 dBA | 70.8 dBA | 68.6 dBA | 65.3 dBA |
| 31/03 19:00:00 | 68.9 dBA | 72.3 dBA | 70.9 dBA | 68.3 dBA | 65.9 dBA | 63.6 dBA |
| 31/03 20:00:00 | 67.4 dBA | 73.2 dBA | 70.1 dBA | 66.3 dBA | 61.7 dBA | 48.7 dBA |
| 31/03 21:00:00 | 65.7 dBA | 71.5 dBA | 68.4 dBA | 64.9 dBA | 60.2 dBA | 49.1 dBA |
| 31/03 22:00:00 | 64.9 dBA | 71.3 dBA | 67.9 dBA | 64.3 dBA | 58.2 dBA | 45.4 dBA |
| 31/03 23:00:00 | 64.0 dBA | 70.7 dBA | 67.6 dBA | 62.8 dBA | 48.3 dBA | 46.1 dBA |
| 01/04 00:00:00 | 63.6 dBA | 73.2 dBA | 65.6 dBA | 56.2 dBA | 47.6 dBA | 44.0 dBA |
| 01/04 01:00:00 | 61.9 dBA | 69.4 dBA | 67.0 dBA | 54.5 dBA | 49.2 dBA | 46.8 dBA |
| 01/04 02:00:00 | 64.2 dBA | 72.8 dBA | 69.2 dBA | 56.5 dBA | 49.7 dBA | 48.4 dBA |
| 01/04 03:00:00 | 65.1 dBA | 71.2 dBA | 69.4 dBA | 62.8 dBA | 51.2 dBA | 46.6 dBA |
| 01/04 04:00:00 | 67.8 dBA | 72.9 dBA | 71.2 dBA | 67.2 dBA | 61.0 dBA | 53.0 dBA |
| 01/04 05:00:00 | 71.5 dBA | 76.3 dBA | 73.7 dBA | 70.7 dBA | 68.2 dBA | 66.9 dBA |
| 01/04 06:00:00 | 73.1 dBA | 76.1 dBA | 75.1 dBA | 72.8 dBA | 70.5 dBA | 67.7 dBA |
| 01/04 07:00:00 | 72.9 dBA | 75.7 dBA | 74.6 dBA | 72.7 dBA | 70.8 dBA | 68.4 dBA |
| 01/04 08:00:00 | 73.0 dBA | 76.3 dBA | 75.2 dBA | 72.5 dBA | 70.5 dBA | 69.5 dBA |
| 01/04 09:00:00 | 73.0 dBA | 76.6 dBA | 74.7 dBA | 72.6 dBA | 70.0 dBA | 68.1 dBA |

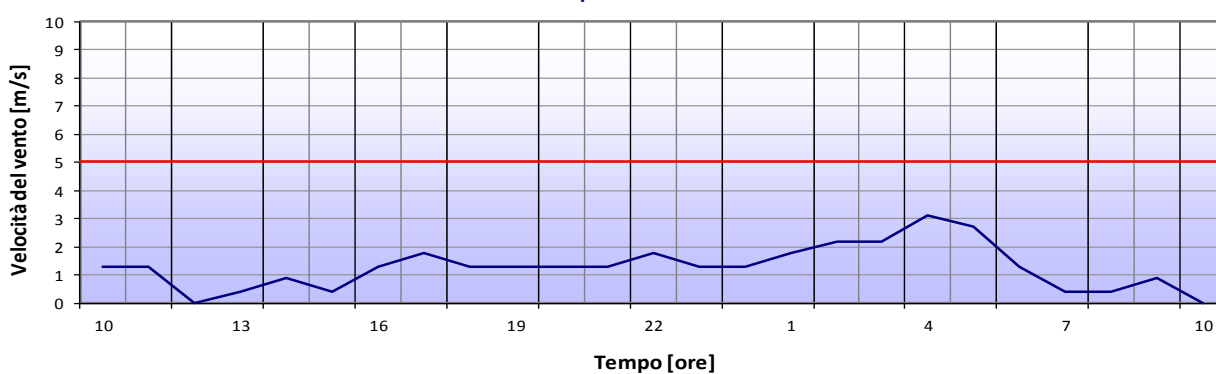
Evoluzione temporale della temperatura



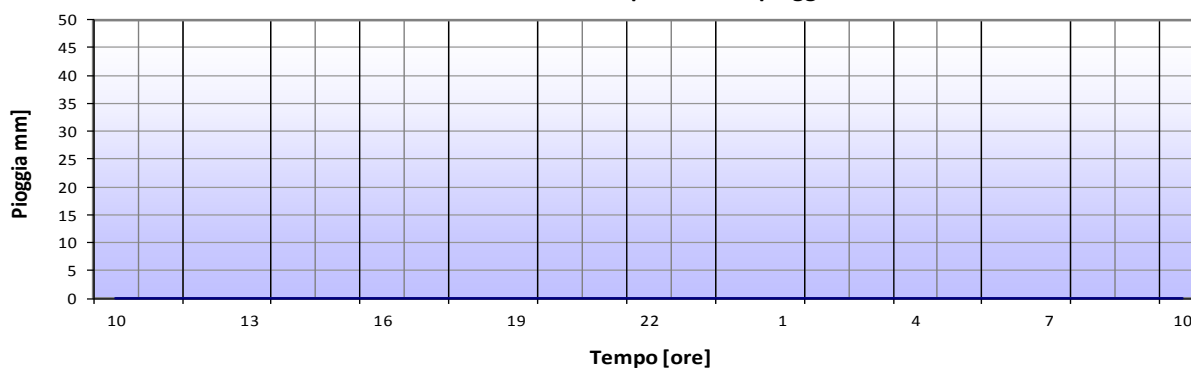
Evoluzione temporale dell'umidità

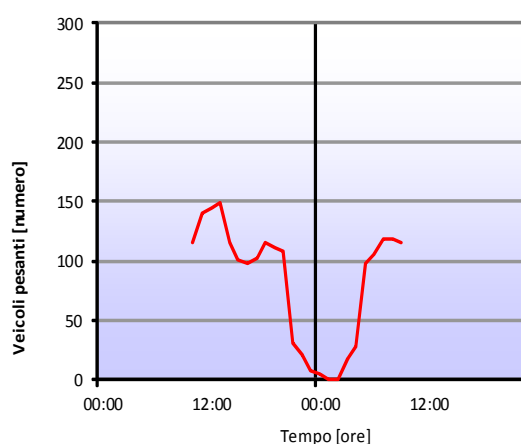
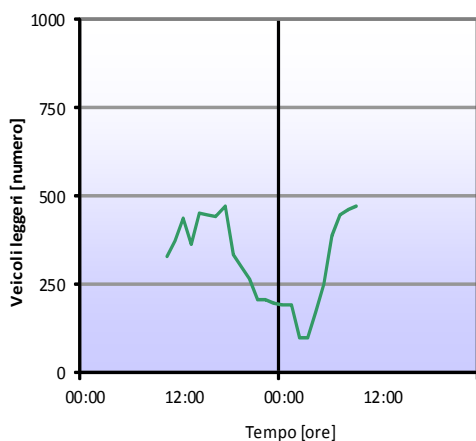


Evoluzione temporale della velocità del vento



Evoluzione temporale della pioggia



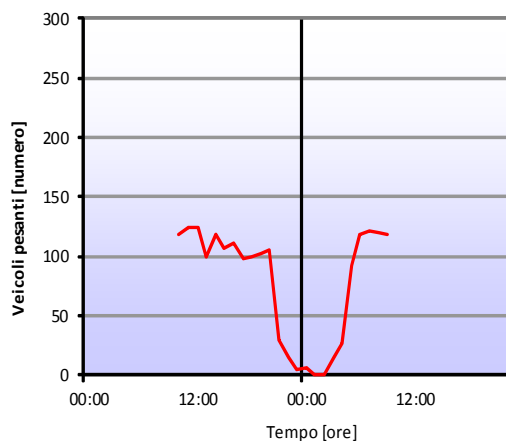
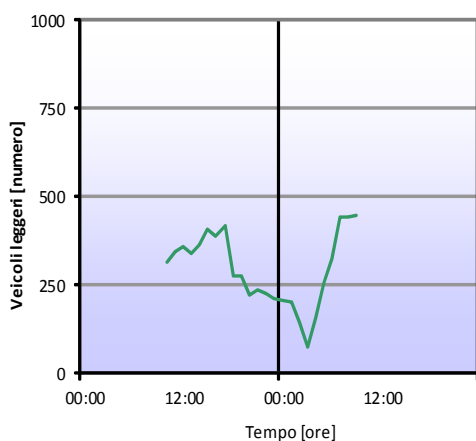
FLUSSI VEICOLARI NEI PERIODI DI RIFERIMENTO
DIREZIONE NORD


| Data | FLUSSO VEICOLI LEGGERI | | FLUSSO VEICOLI PESANTI | |
|------------|------------------------|----------|------------------------|----------|
| | Diurno | Notturno | Diurno | Notturno |
| 31/03/2016 | 4.434 | 1.417 | 1.332 | 177 |
| 01/04/2016 | 1.774 | | 459 | |

| VELOCITA' MEDIA [km/h] | |
|------------------------|----------|
| Diurno | Notturno |
| 66 | 76 |
| 66 | |

| | | | | |
|---------------------|--------------|--------------|--------------|------------|
| TOTALE | 6.208 | 1.417 | 1.791 | 177 |
| MEDIA ORARIA | 388 | 177 | 112 | 22 |

| | |
|-----------|-----------|
| 62 | 76 |
|-----------|-----------|

DIREZIONE SUD


| Data | FLUSSO VEICOLI LEGGERI | | FLUSSO VEICOLI PESANTI | |
|------------|------------------------|----------|------------------------|----------|
| | Diurno | Notturno | Diurno | Notturno |
| 31/03/2016 | 3.954 | 1.490 | 1.239 | 160 |
| 01/04/2016 | 1.659 | | 477 | |

| VELOCITA' MEDIA [km/h] | |
|------------------------|----------|
| Diurno | Notturno |
| 74 | 79 |
| 72 | |

| | | | | |
|---------------------|--------------|--------------|--------------|------------|
| TOTALE | 5.613 | 1.490 | 1.716 | 160 |
| MEDIA ORARIA | 351 | 186 | 107 | 20 |

| | |
|-----------|-----------|
| 73 | 79 |
|-----------|-----------|

| | | | | | |
|-------------------|--|---------------------|----------|------------------|---|
| Tipo rilievo | Monitoraggio acustico in continuo 24 h con rilievo traffico | | | Punto di misura: | PRT 07 |
| Regione | Veneto | Provincia | Verona | Comune | San Bonifacio |
| Indirizzo | Via Fontanelle, 69 – 37047 - San Bonifacio | | | Progressiva AV: | KM 21+700 |
| Coordinate | LAT. 45°23'0.51"N | LONG. 11°16'58.32"E | | Responsabile | Ing. Tiziana Bastianelli Regione Lazio n. 270 |
| Strumentazione | Larson Davis 824 mat. 02731 – Taratura n. 185/04235 del 27/05/14 | | | | |
| Concorsuale | Strada Provinciale SP38 - Distanza 24,59 m | | | Operatore | Geom. G. La Francesca Regione Campania n. 250/99 |
| Posizione microf. | Facciata edificio – Altezza pari a 6,00 m sul p.d.c. | | | | |
| Data inizio | 31.03.16 | Data fine misura | 01.04.16 | Assistente | Ing. Benedetta Grimaldi |
| Ora inizio | 11:00:00 | Ora fine misura | 11:00:00 | | |



ELABORAZIONE DATI ACUSTICI E DI TRAFFICO

| | Leq [dB(A)] | Leggeri [veh/h] | Pesanti [veh/h] | V _{media} [km/h] |
|------------------|----------------|--------------------|--------------------|------------------------------|
| Periodo Diurno | 65,5 | 1368 | 249 | 68,0 |
| Periodo Notturno | 58,8 | 541 | 74 | 75,0 |

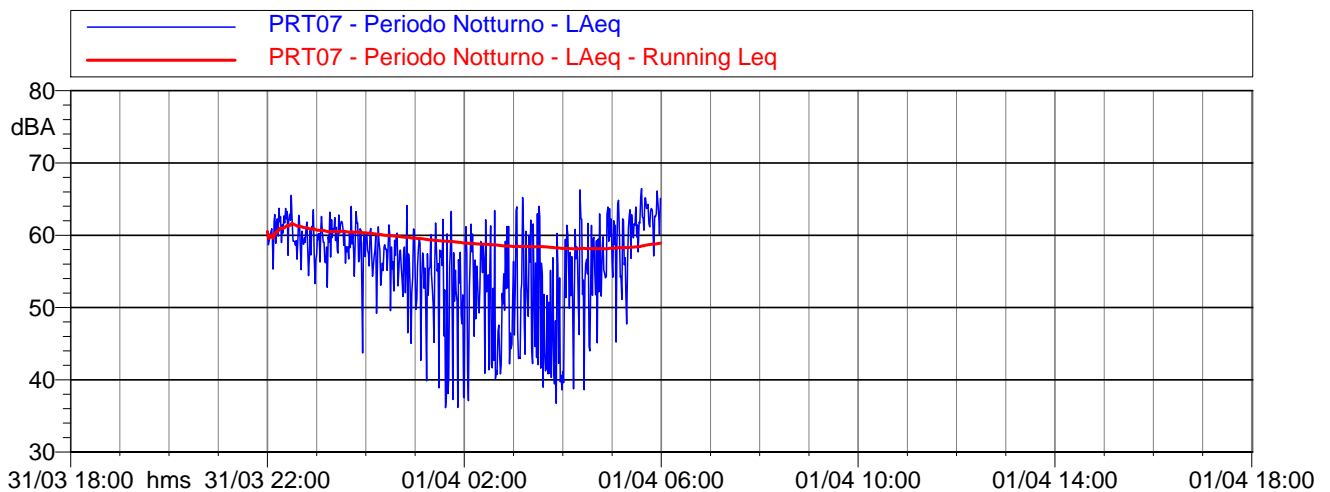
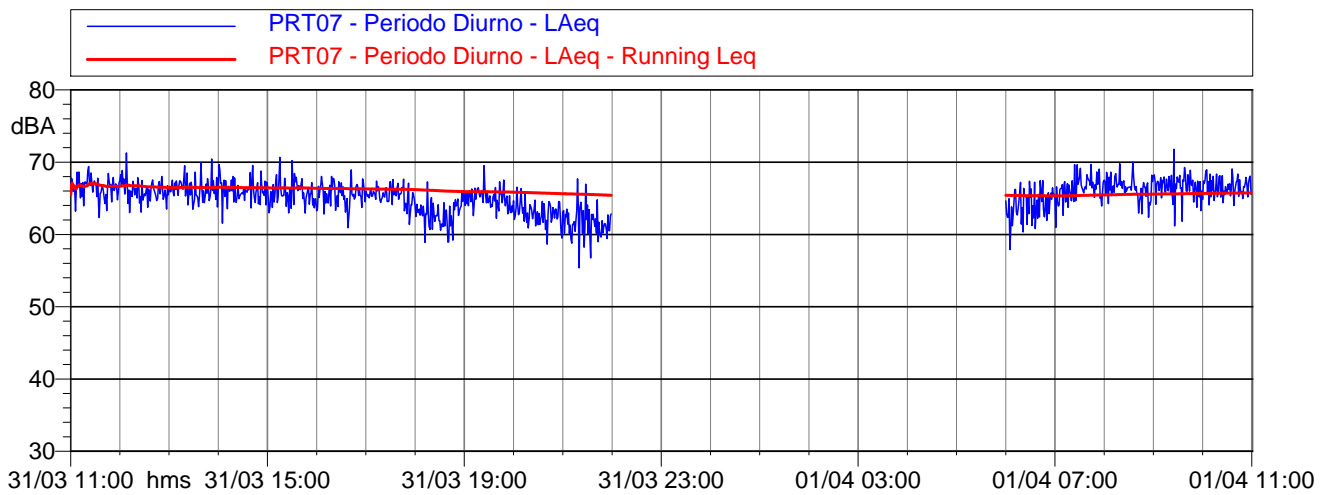
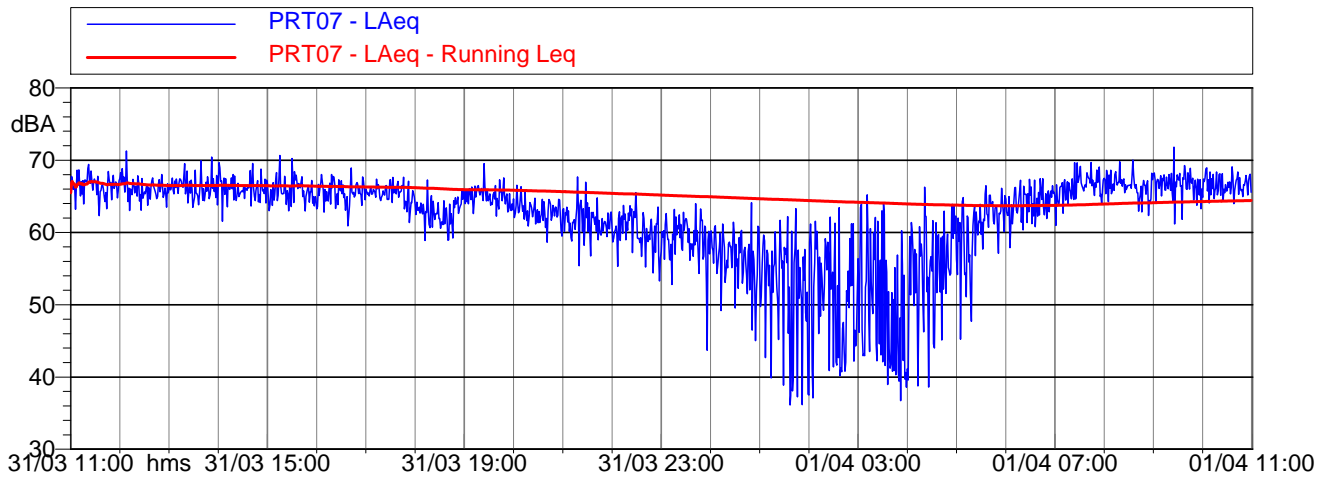
NOTE: Monitoraggio del traffico effettuato con contatraffico automatico (radar a microne)

SINTESI PARAMETRI METEO

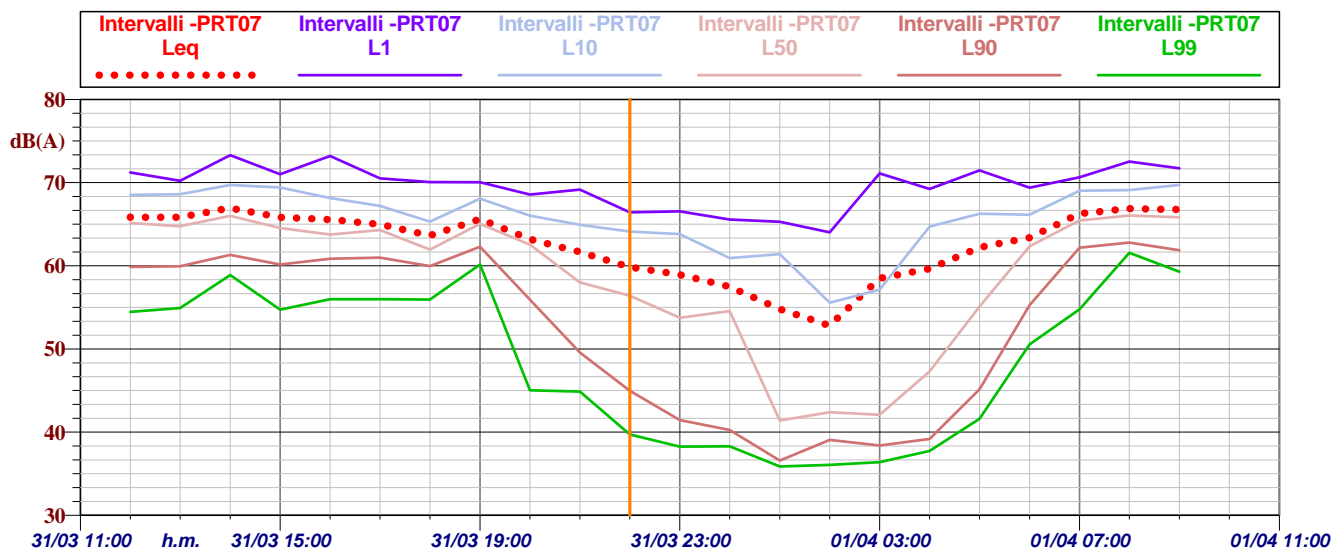
| | Min | Max |
|---------------------|------|------|
| Temperatura [°C] | 12,4 | 19,3 |
| Umidità [%] | 56,0 | 62,0 |
| Vento [m/s] | 0,0 | 3,1 |
| Pioggia [mm] | 0,0 | |
| Direzione Vento [°] | ESE | |

UBICAZIONE PUNTO DI MISURA



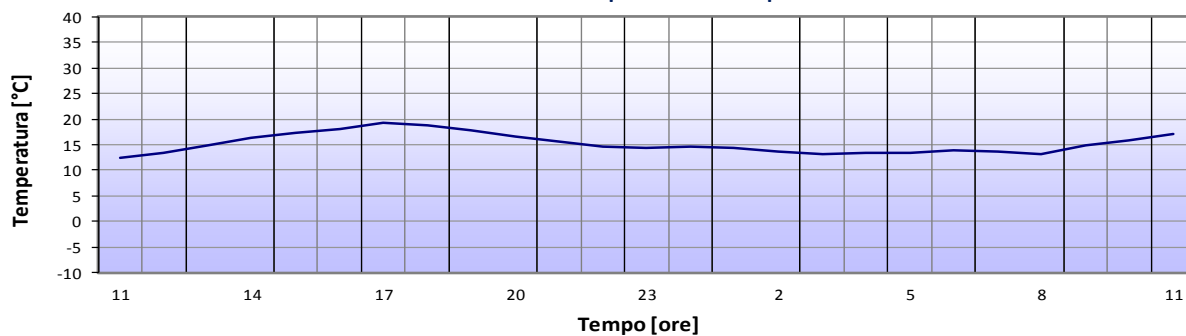


Intervalli orari
 Andamento dei Livelli equivalenti e dei Livelli percentili

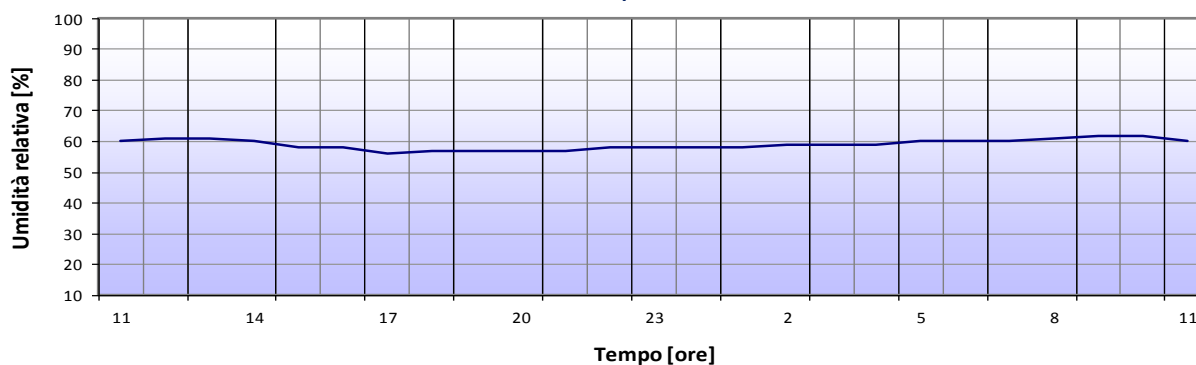


| | LEQ | L1 | L10 | L50 | L90 | L99 |
|----------------|------------|-----------|------------|------------|------------|------------|
| 31/03 10:59:00 | 66.2 dBA | 71.9 dBA | 69.4 dBA | 65.3 dBA | 60.2 dBA | 56.8 dBA |
| 31/03 12:00:00 | 65.9 dBA | 71.2 dBA | 68.5 dBA | 65.1 dBA | 59.9 dBA | 54.5 dBA |
| 31/03 13:00:00 | 65.9 dBA | 70.2 dBA | 68.6 dBA | 64.8 dBA | 60.0 dBA | 54.9 dBA |
| 31/03 14:00:00 | 67.0 dBA | 73.3 dBA | 69.7 dBA | 66.0 dBA | 61.3 dBA | 58.9 dBA |
| 31/03 15:00:00 | 65.8 dBA | 71.0 dBA | 69.4 dBA | 64.6 dBA | 60.2 dBA | 54.7 dBA |
| 31/03 16:00:00 | 65.6 dBA | 73.2 dBA | 68.2 dBA | 63.8 dBA | 60.9 dBA | 56.0 dBA |
| 31/03 17:00:00 | 65.0 dBA | 70.5 dBA | 67.2 dBA | 64.3 dBA | 61.0 dBA | 56.0 dBA |
| 31/03 18:00:00 | 63.6 dBA | 70.1 dBA | 65.3 dBA | 62.0 dBA | 60.0 dBA | 56.0 dBA |
| 31/03 19:00:00 | 65.6 dBA | 70.0 dBA | 68.1 dBA | 65.1 dBA | 62.3 dBA | 60.2 dBA |
| 31/03 20:00:00 | 63.2 dBA | 68.6 dBA | 66.0 dBA | 62.6 dBA | 55.9 dBA | 45.0 dBA |
| 31/03 21:00:00 | 61.7 dBA | 69.2 dBA | 64.9 dBA | 58.0 dBA | 49.6 dBA | 44.9 dBA |
| 31/03 22:00:00 | 59.8 dBA | 66.4 dBA | 64.1 dBA | 56.4 dBA | 45.0 dBA | 39.7 dBA |
| 31/03 23:00:00 | 59.0 dBA | 66.6 dBA | 63.8 dBA | 53.8 dBA | 41.5 dBA | 38.3 dBA |
| 01/04 00:00:00 | 57.5 dBA | 65.6 dBA | 60.9 dBA | 54.6 dBA | 40.3 dBA | 38.3 dBA |
| 01/04 01:00:00 | 54.8 dBA | 65.3 dBA | 61.4 dBA | 41.4 dBA | 36.6 dBA | 35.9 dBA |
| 01/04 02:00:00 | 52.8 dBA | 64.0 dBA | 55.6 dBA | 42.4 dBA | 39.1 dBA | 36.1 dBA |
| 01/04 03:00:00 | 58.5 dBA | 71.1 dBA | 57.1 dBA | 42.1 dBA | 38.4 dBA | 36.4 dBA |
| 01/04 04:00:00 | 59.7 dBA | 69.2 dBA | 64.7 dBA | 47.3 dBA | 39.2 dBA | 37.7 dBA |
| 01/04 05:00:00 | 62.2 dBA | 71.5 dBA | 66.3 dBA | 55.1 dBA | 45.2 dBA | 41.6 dBA |
| 01/04 06:00:00 | 63.4 dBA | 69.4 dBA | 66.1 dBA | 62.3 dBA | 55.3 dBA | 50.6 dBA |
| 01/04 07:00:00 | 66.3 dBA | 70.6 dBA | 69.0 dBA | 65.4 dBA | 62.2 dBA | 54.8 dBA |
| 01/04 08:00:00 | 66.9 dBA | 72.5 dBA | 69.1 dBA | 66.1 dBA | 62.8 dBA | 61.6 dBA |
| 01/04 09:00:00 | 66.8 dBA | 71.7 dBA | 69.7 dBA | 65.8 dBA | 61.9 dBA | 59.3 dBA |
| 01/04 10:00:00 | 65.9 dBA | 70.6 dBA | 68.8 dBA | 64.7 dBA | 62.2 dBA | 57.8 dBA |

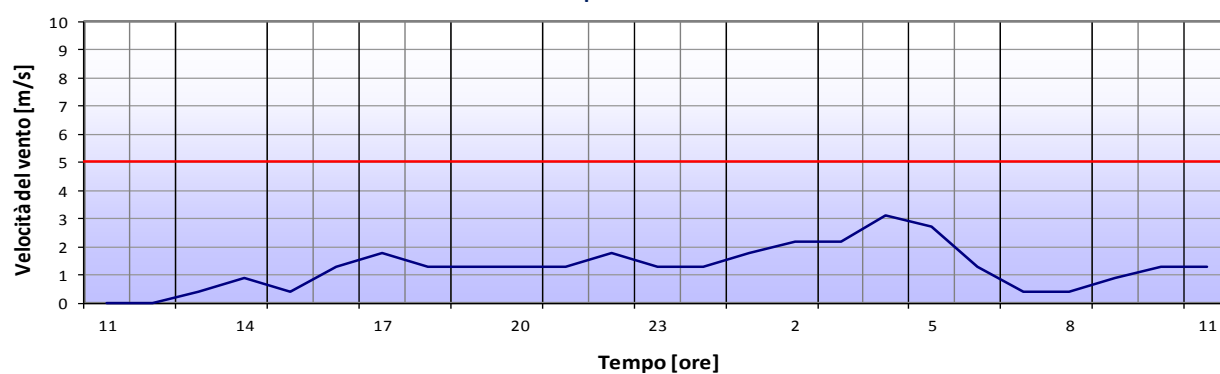
Evoluzione temporale della temperatura



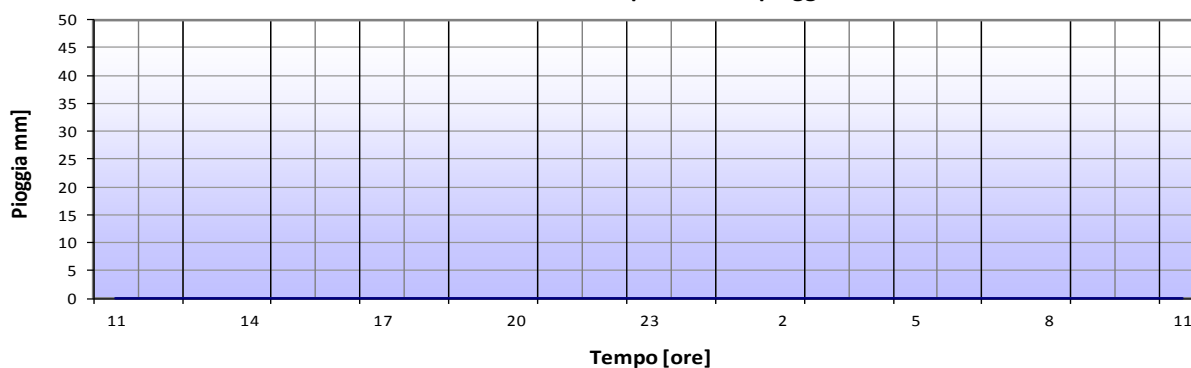
Evoluzione temporale dell'umidità



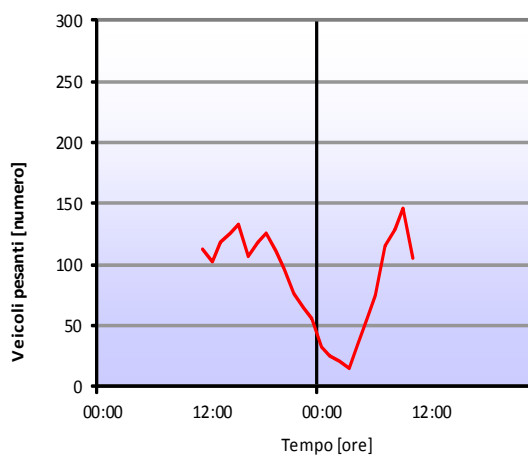
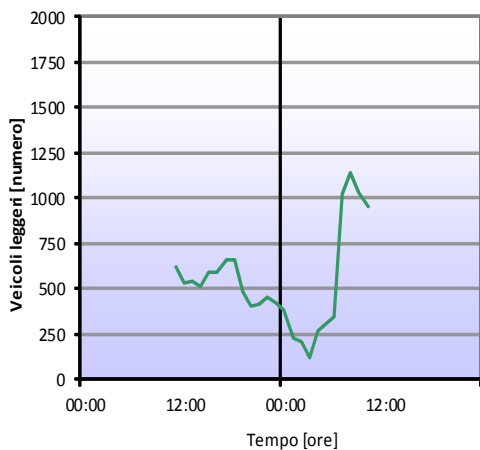
Evoluzione temporale della velocità del vento



Evoluzione temporale della pioggia



FLUSSI VEICOLARI NEI PERIODI DI RIFERIMENTO
DIREZIONE NORD



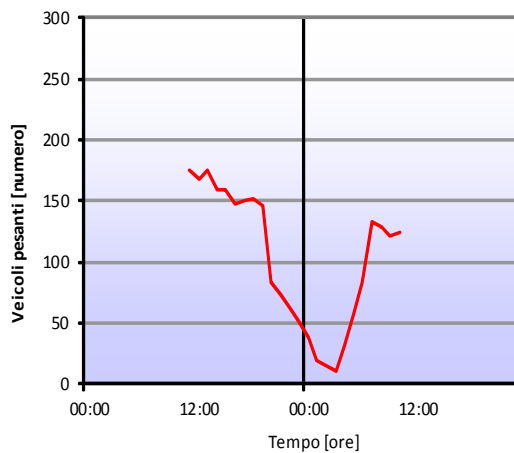
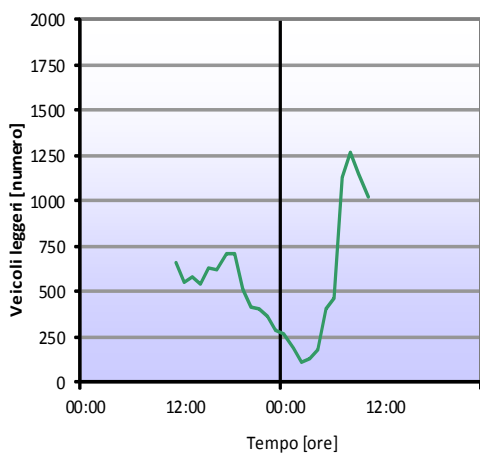
| Data | FLUSSO VEICOLI LEGGERI | | FLUSSO VEICOLI PESANTI | |
|------------|------------------------|----------|------------------------|----------|
| | Diurno | Notturno | Diurno | Notturno |
| 31/03/2016 | 6.013 | 2.390 | 1.225 | 302 |
| 01/04/2016 | 4.499 | | 569 | |

| VELOCITA' MEDIA [km/h] | |
|------------------------|----------|
| Diurno | Notturno |
| 68 | 74 |
| 67 | |

| | | | | |
|---------------------|---------------|--------------|--------------|------------|
| TOTALE | 10.512 | 2.390 | 1.794 | 302 |
| MEDIA ORARIA | 657 | 299 | 112 | 38 |

| | |
|-----------|-----------|
| 64 | 74 |
|-----------|-----------|

DIREZIONE SUD






| Data | FLUSSO VEICOLI LEGGERI | | FLUSSO VEICOLI PESANTI | |
|------------|------------------------|----------|------------------------|----------|
| | Diurno | Notturno | Diurno | Notturno |
| 31/03/2016 | 6.332 | 1.939 | 1.590 | 286 |
| 01/04/2016 | 5.037 | | 592 | |

| VELOCITA' MEDIA [km/h] | |
|------------------------|----------|
| Diurno | Notturno |
| 69 | 76 |
| 66 | |

| | | | | |
|---------------------|---------------|--------------|--------------|------------|
| TOTALE | 11.369 | 1.939 | 2.182 | 286 |
| MEDIA ORARIA | 711 | 242 | 136 | 36 |

| | |
|-----------|-----------|
| 68 | 76 |
|-----------|-----------|

| | | | | | |
|-------------------|--|---------------------|------------------|--|--|
| Tipo rilievo | Monitoraggio acustico in continuo 24 h con rilievo traffico | | Punto di misura: | PRT 08 | |
| Regione | Veneto | Provincia | Verona | Comune | San Bonifacio |
| Indirizzo | SP38 – 37047 - San Bonifacio | | Progressiva AV: | KM 22+850 | |
| Coordinate | LAT. 45°23'25.56"N | LONG. 11°17'43.38"E | Responsabile |  Ing. Tiziana Gasianelli Regione Lazio n. 270 | |
| Strumentazione | Larson Davis LxT mat. 02852 – Taratura n. 185/04757 del 17/02/15 | | | | |
| Concorsuale | Strada Provinciale SP 38 - Distanza 40,40 m | | Operatore |  Dott. Rocco Fasso Regione Campania n. 341/01 | |
| Posizione microf. | Facciata edificio – Altezza pari a 6,00 m sul p.d.c. | | | | |
| Data inizio | 31.03.16 | Data fine misura | 01.04.16 | Assistente |  Ing. Emanuela Serpi |
| Ora inizio | 13:00:00 | Ora fine misura | 13:00:00 | | |



ELABORAZIONE DATI ACUSTICI E DI TRAFFICO

| | Leq [dB(A)] | Leggeri [veh/h] | Pesanti [veh/h] | V _{media} [km/h] |
|------------------|----------------|--------------------|--------------------|------------------------------|
| Periodo Diurno | 58,1 | 610 | 32 | 63,0 |
| Periodo Notturno | 51,9 | 225 | 9 | 72,0 |

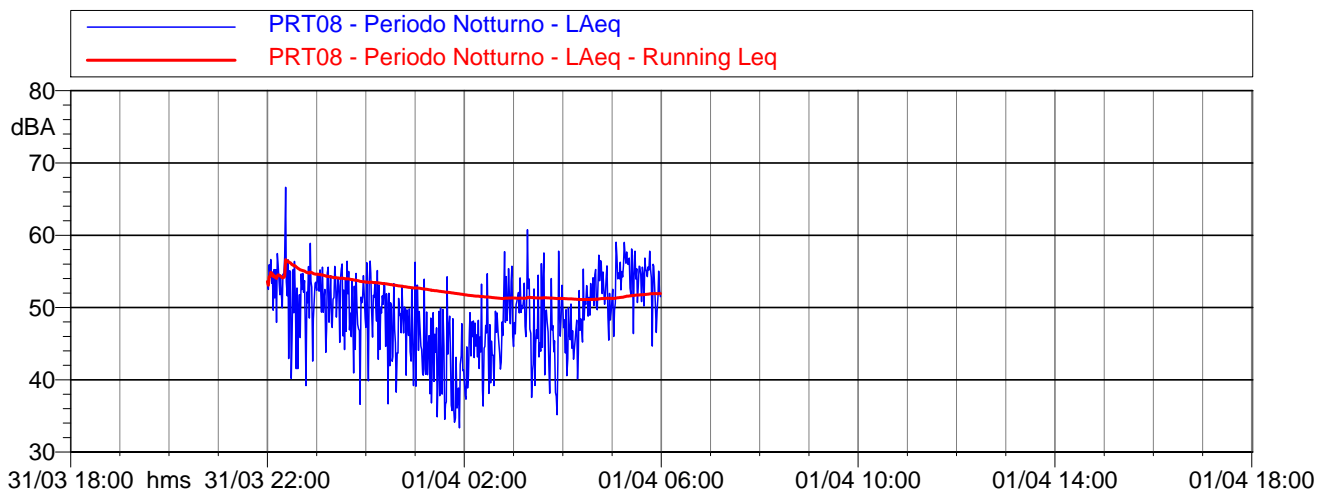
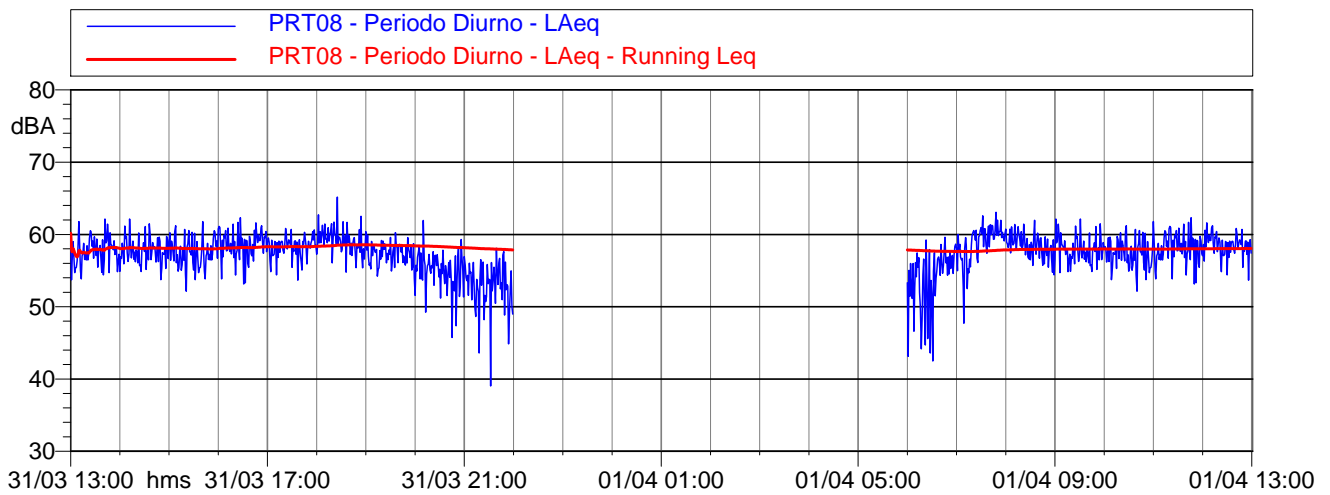
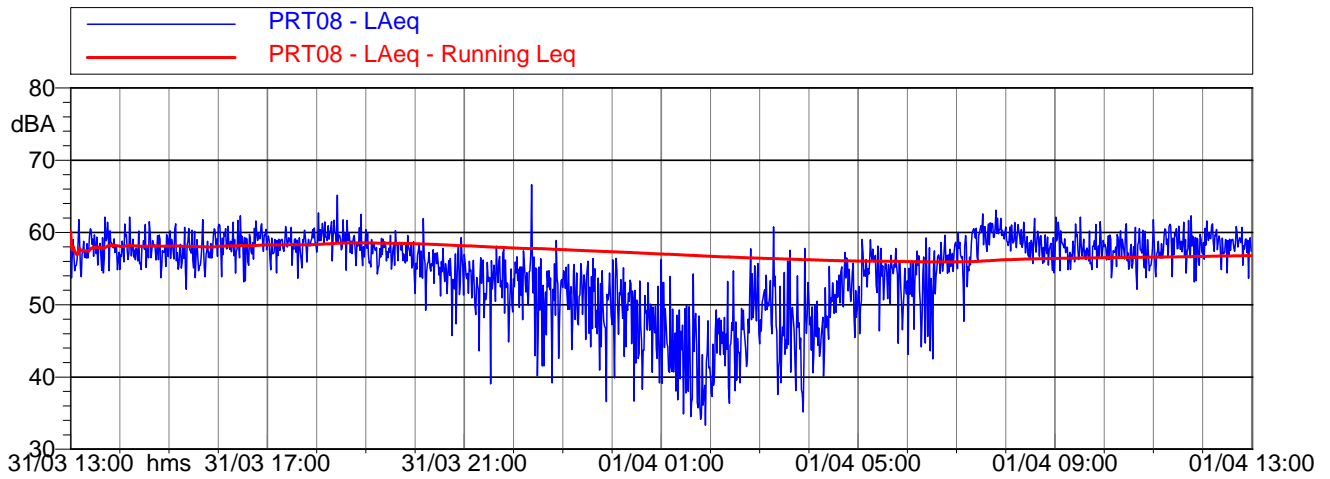
NOTE: Monitoraggio del traffico effettuato con contatraffico automatico (radar a microne)

SINTESI PARAMETRI METEO

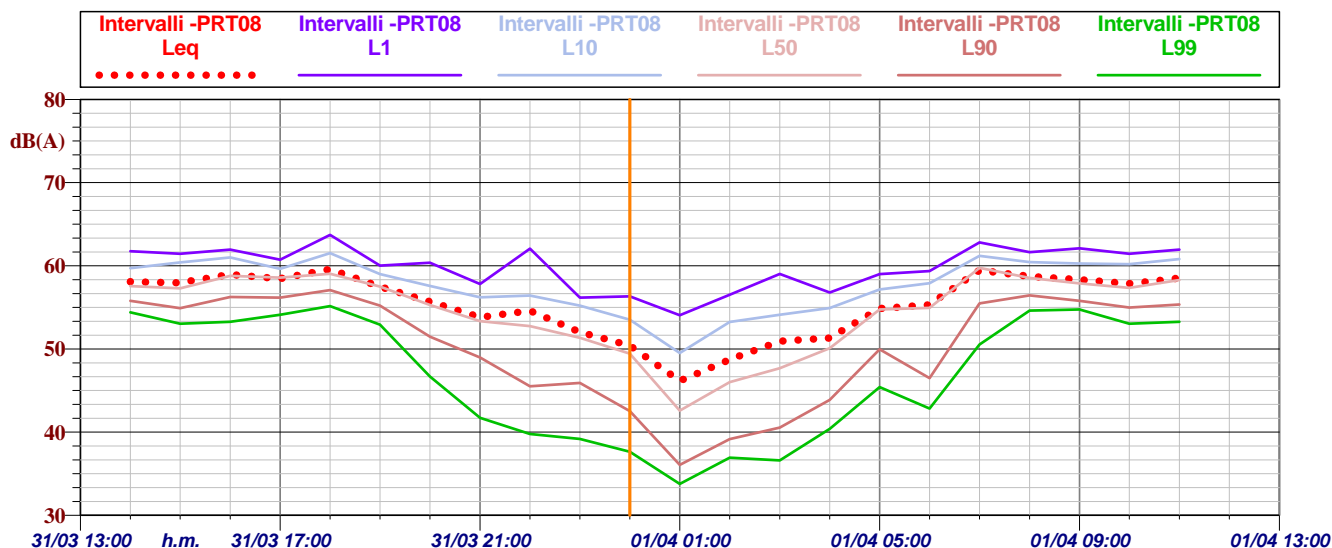
| | Min | Max |
|---------------------|------|------|
| Temperatura [°C] | 12,4 | 19,3 |
| Umidità [%] | 56,0 | 62,0 |
| Vento [m/s] | 0,0 | 3,1 |
| Pioggia [mm] | 0,0 | |
| Direzione Vento [°] | ESE | |

UBICAZIONE PUNTO DI MISURA



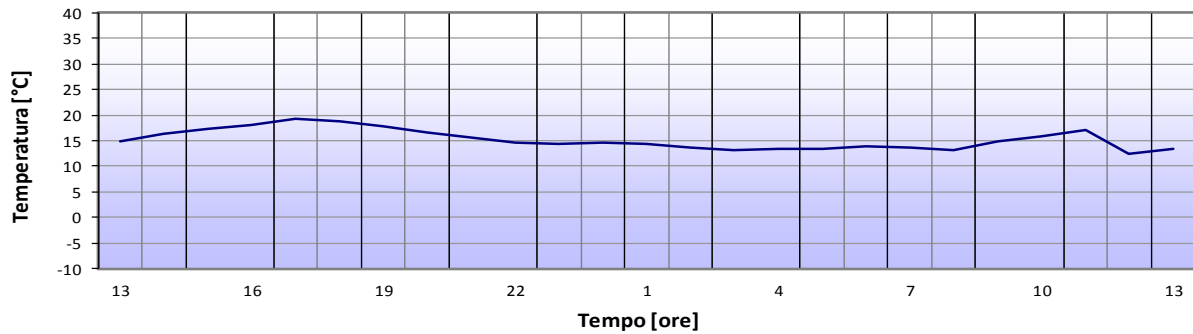


Intervalli orari
 Andamento dei Livelli equivalenti e dei Livelli percentili

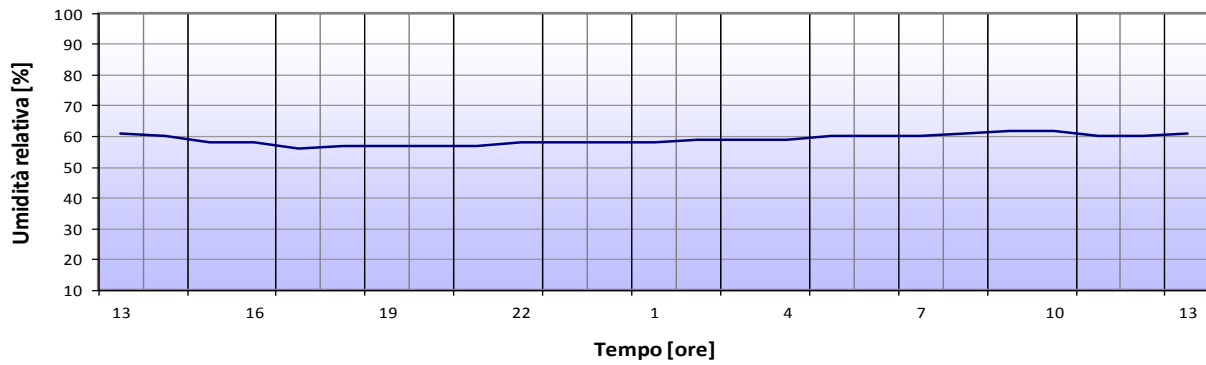


| | LEQ | L1 | L10 | L50 | L90 | L99 |
|----------------|------------|-----------|------------|------------|------------|------------|
| 31/03 12:59:00 | 58.1 dBA | 61.9 dBA | 60.1 dBA | 57.9 dBA | 54.8 dBA | 53.8 dBA |
| 31/03 14:00:00 | 58.1 dBA | 61.7 dBA | 59.7 dBA | 57.5 dBA | 55.8 dBA | 54.4 dBA |
| 31/03 15:00:00 | 58.0 dBA | 61.4 dBA | 60.4 dBA | 57.3 dBA | 54.9 dBA | 53.0 dBA |
| 31/03 16:00:00 | 59.0 dBA | 61.9 dBA | 61.0 dBA | 58.8 dBA | 56.3 dBA | 53.3 dBA |
| 31/03 17:00:00 | 58.5 dBA | 60.7 dBA | 59.6 dBA | 58.6 dBA | 56.2 dBA | 54.1 dBA |
| 31/03 18:00:00 | 59.6 dBA | 63.7 dBA | 61.5 dBA | 59.0 dBA | 57.1 dBA | 55.2 dBA |
| 31/03 19:00:00 | 57.5 dBA | 60.0 dBA | 59.0 dBA | 57.5 dBA | 55.2 dBA | 52.9 dBA |
| 31/03 20:00:00 | 55.7 dBA | 60.4 dBA | 57.6 dBA | 55.3 dBA | 51.5 dBA | 46.7 dBA |
| 31/03 21:00:00 | 53.8 dBA | 57.8 dBA | 56.2 dBA | 53.3 dBA | 49.0 dBA | 41.7 dBA |
| 31/03 22:00:00 | 54.6 dBA | 62.1 dBA | 56.4 dBA | 52.8 dBA | 45.5 dBA | 39.8 dBA |
| 31/03 23:00:00 | 52.0 dBA | 56.2 dBA | 55.2 dBA | 51.3 dBA | 45.9 dBA | 39.2 dBA |
| 01/04 00:00:00 | 50.4 dBA | 56.3 dBA | 53.5 dBA | 49.5 dBA | 42.5 dBA | 37.6 dBA |
| 01/04 01:00:00 | 46.2 dBA | 54.1 dBA | 49.5 dBA | 42.6 dBA | 36.1 dBA | 33.8 dBA |
| 01/04 02:00:00 | 48.7 dBA | 56.5 dBA | 53.2 dBA | 46.0 dBA | 39.2 dBA | 36.9 dBA |
| 01/04 03:00:00 | 50.9 dBA | 59.0 dBA | 54.1 dBA | 47.7 dBA | 40.5 dBA | 36.6 dBA |
| 01/04 04:00:00 | 51.3 dBA | 56.8 dBA | 54.9 dBA | 50.1 dBA | 43.9 dBA | 40.4 dBA |
| 01/04 05:00:00 | 54.9 dBA | 59.0 dBA | 57.2 dBA | 54.8 dBA | 50.0 dBA | 45.4 dBA |
| 01/04 06:00:00 | 55.3 dBA | 59.4 dBA | 57.9 dBA | 55.0 dBA | 46.5 dBA | 42.9 dBA |
| 01/04 07:00:00 | 59.5 dBA | 62.8 dBA | 61.2 dBA | 59.8 dBA | 55.5 dBA | 50.5 dBA |
| 01/04 08:00:00 | 58.7 dBA | 61.6 dBA | 60.4 dBA | 58.5 dBA | 56.4 dBA | 54.6 dBA |
| 01/04 09:00:00 | 58.4 dBA | 62.1 dBA | 60.3 dBA | 57.9 dBA | 55.8 dBA | 54.8 dBA |
| 01/04 10:00:00 | 57.9 dBA | 61.4 dBA | 60.2 dBA | 57.3 dBA | 55.0 dBA | 53.0 dBA |
| 01/04 11:00:00 | 58.5 dBA | 61.9 dBA | 60.8 dBA | 58.3 dBA | 55.4 dBA | 53.3 dBA |
| 01/04 12:00:00 | 58.8 dBA | 61.4 dBA | 60.4 dBA | 58.9 dBA | 56.7 dBA | 54.1 dBA |

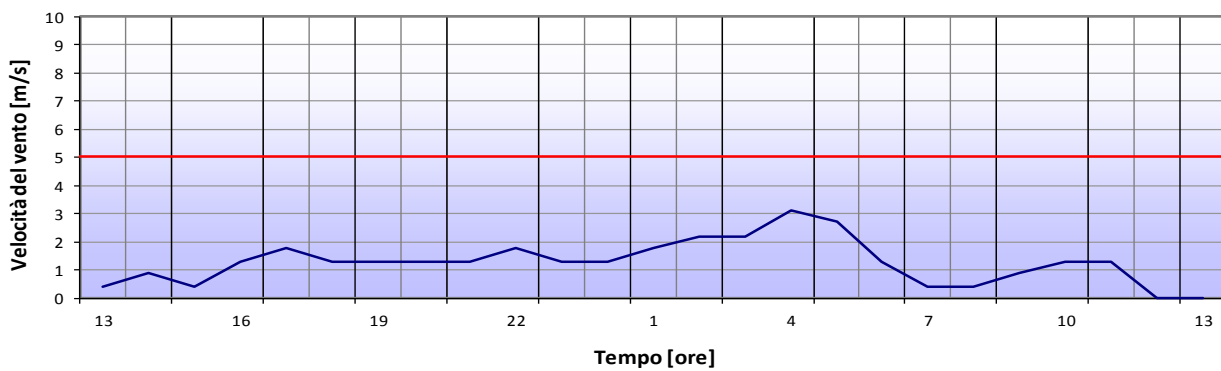
Evoluzione temporale della temperatura



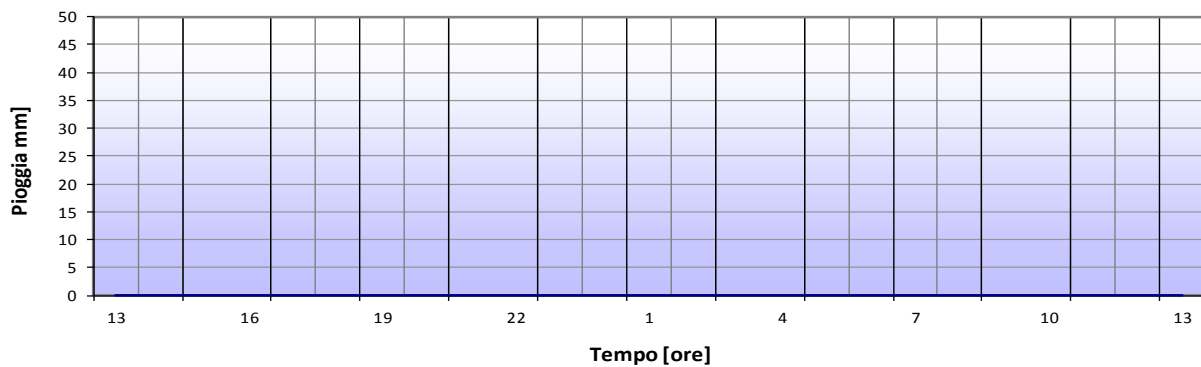
Evoluzione temporale dell'umidità



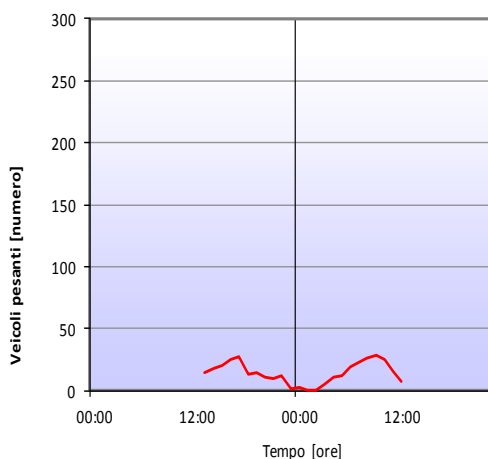
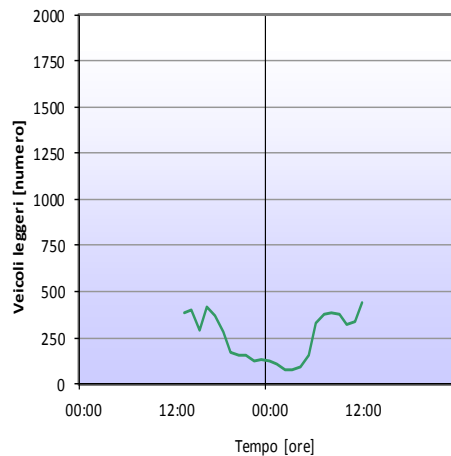
Evoluzione temporale della velocità del vento



Evoluzione temporale della pioggia



FLUSSI VEICOLARI NEI PERIODI DI RIFERIMENTO
DIREZIONE NORD



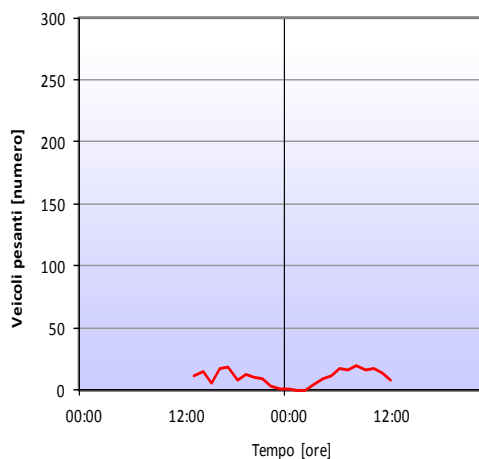
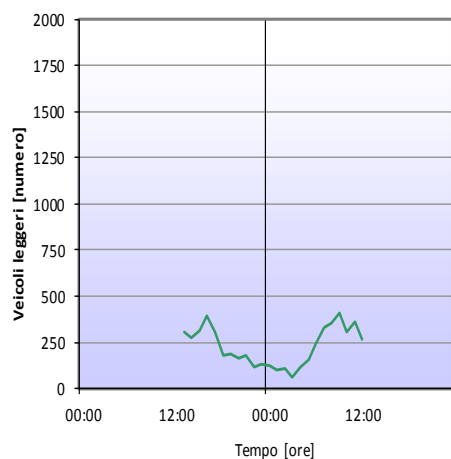
| Data | FLUSSO VEICOLI LEGGERI | | FLUSSO VEICOLI PESANTI | |
|------------|------------------------|----------|------------------------|----------|
| | Diurno | Notturno | Diurno | Notturno |
| 31/03/2016 | 2.630 | 887 | 156 | 46 |
| 01/04/2016 | 2.565 | | 146 | |

| VELOCITA' MEDIA [km/h] | |
|------------------------|----------|
| Diurno | Notturno |
| 63 | 71 |
| 62 | |

| | | | | |
|---------------------|--------------|------------|------------|-----------|
| TOTALE | 5.195 | 887 | 302 | 46 |
| MEDIA ORARIA | 325 | 111 | 19 | 6 |

| | |
|-----------|-----------|
| 59 | 71 |
|-----------|-----------|

DIREZIONE SUD



| Data | FLUSSO VEICOLI LEGGERI | | FLUSSO VEICOLI PESANTI | |
|------------|------------------------|----------|------------------------|----------|
| | Diurno | Notturno | Diurno | Notturno |
| 31/03/2016 | 2.288 | 912 | 106 | 29 |
| 01/04/2016 | 2.271 | | 108 | |

| VELOCITA' MEDIA [km/h] | |
|------------------------|----------|
| Diurno | Notturno |
| 63 | 72 |
| 63 | |

| | | | | |
|---------------------|--------------|------------|------------|-----------|
| TOTALE | 4.559 | 912 | 214 | 29 |
| MEDIA ORARIA | 285 | 114 | 13 | 4 |

| | |
|-----------|-----------|
| 63 | 72 |
|-----------|-----------|

| | | | | | |
|-------------------|--|------------------|---------------|------------------|--|
| Tipo rilievo | Monitoraggio acustico in continuo 24 h con rilievo traffico | | | Punto di misura: | PRT 09 |
| Regione | Veneto | Provincia | Verona | Comune | San Bonifacio |
| Indirizzo | Via Lobia, 12, San Bonifacio, 37047 | | | Progressiva AV: | KM 25+325 |
| Coordinate | LAT. 45°23'57.93"N | LONG. | 11°19'25.75"E | Responsabile | <i>Ing. Tiziana Gasianelli</i> Regione Lazio n. 270 |
| Strumentazione | Larson Davis 824 mat. 00522 – Taratura n. 146/06883 del 09/04/16 | | | | |
| Concorsuale | Strada Provinciale SP38a - Distanza 21,23 m | | | Operatore | <i>Geom. G. La Francesca</i> Regione Campania n. 250/99 |
| Posizione microf. | Facciata edificio – Altezza pari a 4,00 m sul p.d.c. | | | | |
| Data inizio | 31.03.16 | Data fine misura | 01.04.16 | Assistente | <i>Ing. Benedetta Grimaldi</i> |
| Ora inizio | 13:00:00 | Ora fine misura | 13:00:00 | | |



ELABORAZIONE DATI ACUSTICI E DI TRAFFICO

| | Leq [dB(A)] | Leggeri [veh/h] | Pesanti [veh/h] | V _{media} [km/h] |
|------------------|----------------|--------------------|--------------------|------------------------------|
| Periodo Diurno | 58,2 | 794 | 32 | 62,0 |
| Periodo Notturno | 50,7 | 286 | 8 | 67,0 |

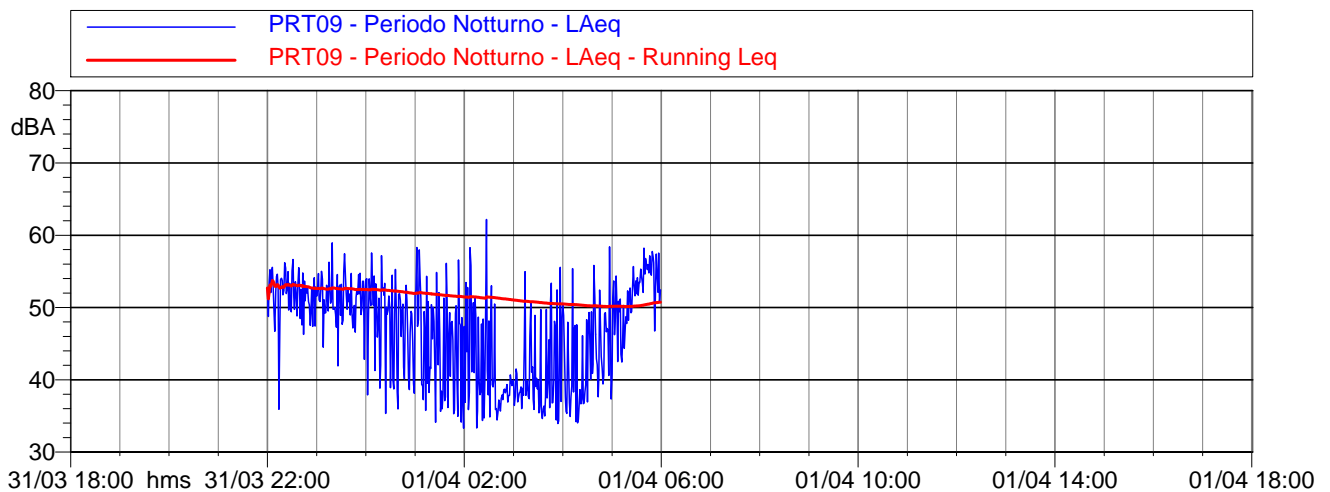
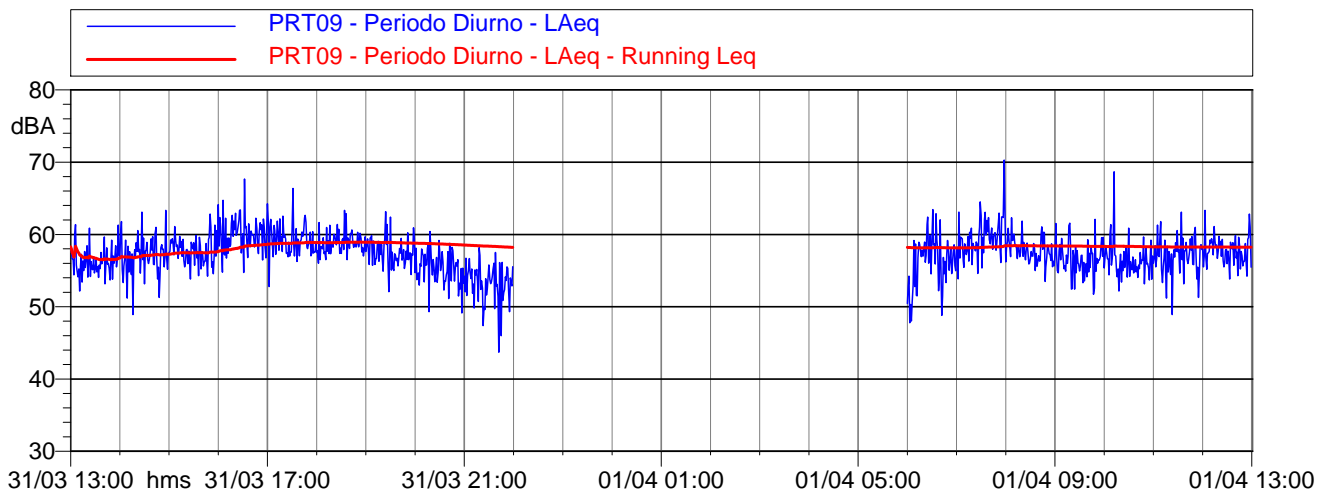
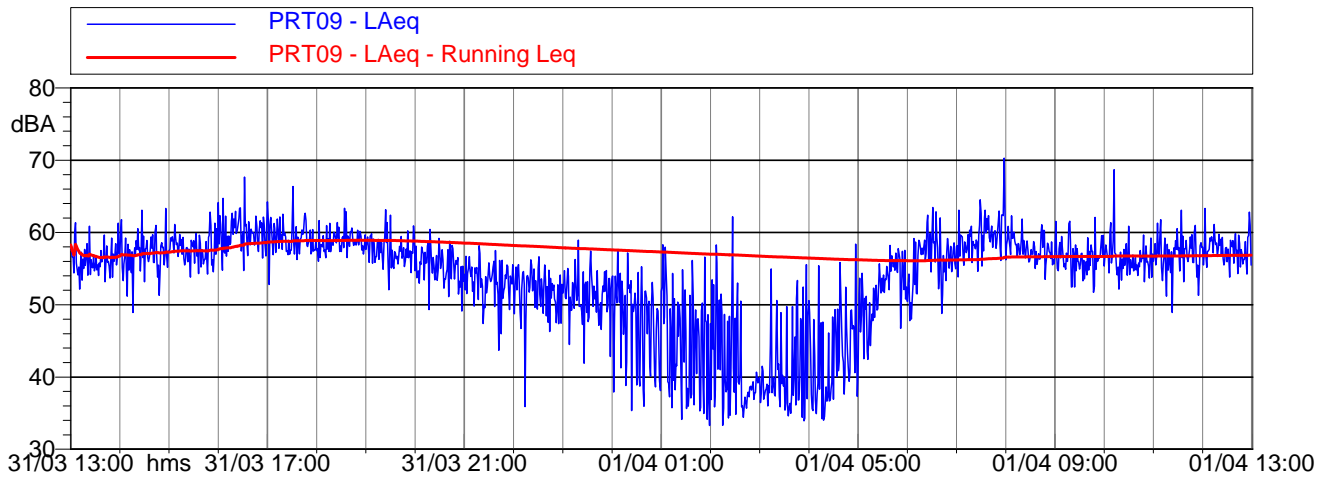
NOTE: Monitoraggio del traffico effettuato con contatraffico automatico (radar a microne)

SINTESI PARAMETRI METEO

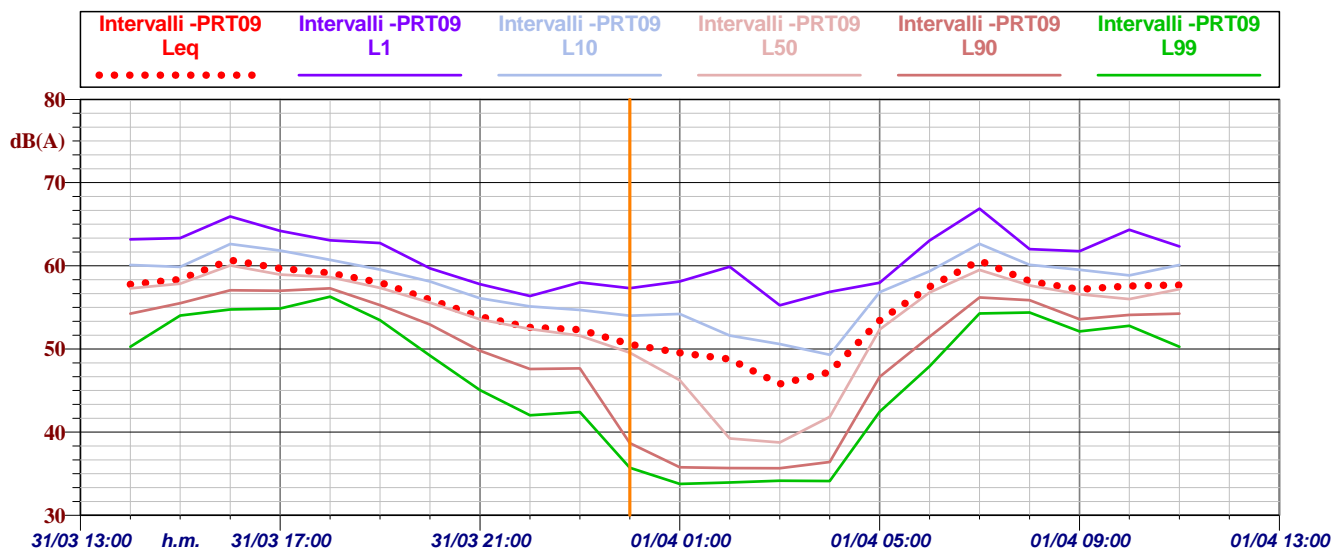
| | Min | Max |
|---------------------|------|------|
| Temperatura [°C] | 12,4 | 19,3 |
| Umidità [%] | 56,0 | 62,0 |
| Vento [m/s] | 0,0 | 3,1 |
| Pioggia [mm] | 0,0 | |
| Direzione Vento [°] | ESE | |

UBICAZIONE PUNTO DI MISURA



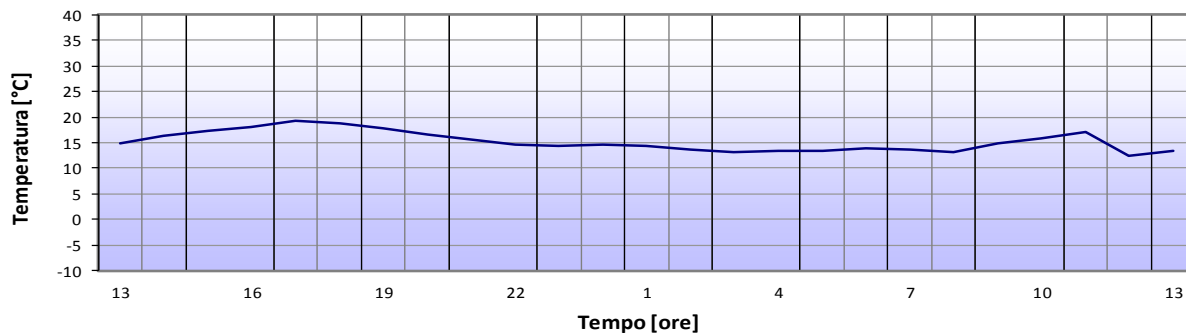


Intervalli orari
 Andamento dei Livelli equivalenti e dei Livelli percentili

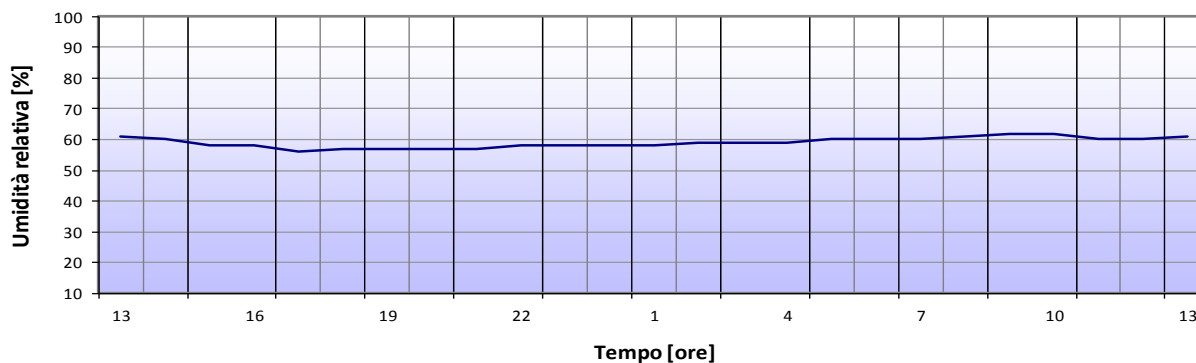


| | LEQ | L1 | L10 | L50 | L90 | L99 |
|----------------|------------|-----------|------------|------------|------------|------------|
| 31/03 12:59:00 | 56.7 dBA | 61.3 dBA | 58.4 dBA | 56.0 dBA | 54.1 dBA | 52.8 dBA |
| 31/03 14:00:00 | 57.8 dBA | 63.2 dBA | 60.1 dBA | 57.3 dBA | 54.3 dBA | 50.3 dBA |
| 31/03 15:00:00 | 58.4 dBA | 63.3 dBA | 59.9 dBA | 57.8 dBA | 55.5 dBA | 54.0 dBA |
| 31/03 16:00:00 | 60.7 dBA | 65.9 dBA | 62.6 dBA | 60.0 dBA | 57.1 dBA | 54.8 dBA |
| 31/03 17:00:00 | 59.7 dBA | 64.2 dBA | 61.8 dBA | 59.0 dBA | 57.0 dBA | 54.9 dBA |
| 31/03 18:00:00 | 59.1 dBA | 63.1 dBA | 60.7 dBA | 58.7 dBA | 57.3 dBA | 56.3 dBA |
| 31/03 19:00:00 | 58.0 dBA | 62.7 dBA | 59.5 dBA | 57.3 dBA | 55.3 dBA | 53.5 dBA |
| 31/03 20:00:00 | 55.9 dBA | 59.7 dBA | 58.1 dBA | 55.6 dBA | 53.0 dBA | 49.2 dBA |
| 31/03 21:00:00 | 53.9 dBA | 57.8 dBA | 56.1 dBA | 53.5 dBA | 49.8 dBA | 45.1 dBA |
| 31/03 22:00:00 | 52.6 dBA | 56.4 dBA | 55.1 dBA | 52.4 dBA | 47.6 dBA | 42.0 dBA |
| 31/03 23:00:00 | 52.3 dBA | 58.0 dBA | 54.7 dBA | 51.6 dBA | 47.7 dBA | 42.4 dBA |
| 01/04 00:00:00 | 50.6 dBA | 57.3 dBA | 54.0 dBA | 49.5 dBA | 38.7 dBA | 35.7 dBA |
| 01/04 01:00:00 | 49.5 dBA | 58.1 dBA | 54.2 dBA | 46.3 dBA | 35.8 dBA | 33.8 dBA |
| 01/04 02:00:00 | 48.8 dBA | 59.9 dBA | 51.6 dBA | 39.3 dBA | 35.7 dBA | 33.9 dBA |
| 01/04 03:00:00 | 45.8 dBA | 55.2 dBA | 50.6 dBA | 38.8 dBA | 35.7 dBA | 34.2 dBA |
| 01/04 04:00:00 | 47.2 dBA | 56.9 dBA | 49.3 dBA | 41.8 dBA | 36.4 dBA | 34.1 dBA |
| 01/04 05:00:00 | 53.4 dBA | 58.0 dBA | 56.8 dBA | 52.3 dBA | 46.7 dBA | 42.5 dBA |
| 01/04 06:00:00 | 57.5 dBA | 63.0 dBA | 59.4 dBA | 56.8 dBA | 51.5 dBA | 47.9 dBA |
| 01/04 07:00:00 | 60.6 dBA | 66.9 dBA | 62.6 dBA | 59.5 dBA | 56.2 dBA | 54.3 dBA |
| 01/04 08:00:00 | 58.1 dBA | 62.0 dBA | 60.1 dBA | 57.7 dBA | 55.9 dBA | 54.4 dBA |
| 01/04 09:00:00 | 57.2 dBA | 61.7 dBA | 59.5 dBA | 56.6 dBA | 53.6 dBA | 52.1 dBA |
| 01/04 10:00:00 | 57.6 dBA | 64.3 dBA | 58.8 dBA | 56.0 dBA | 54.1 dBA | 52.8 dBA |
| 01/04 11:00:00 | 57.7 dBA | 62.3 dBA | 60.1 dBA | 57.2 dBA | 54.3 dBA | 50.3 dBA |
| 01/04 12:00:00 | 58.2 dBA | 63.0 dBA | 59.6 dBA | 57.7 dBA | 55.5 dBA | 54.0 dBA |

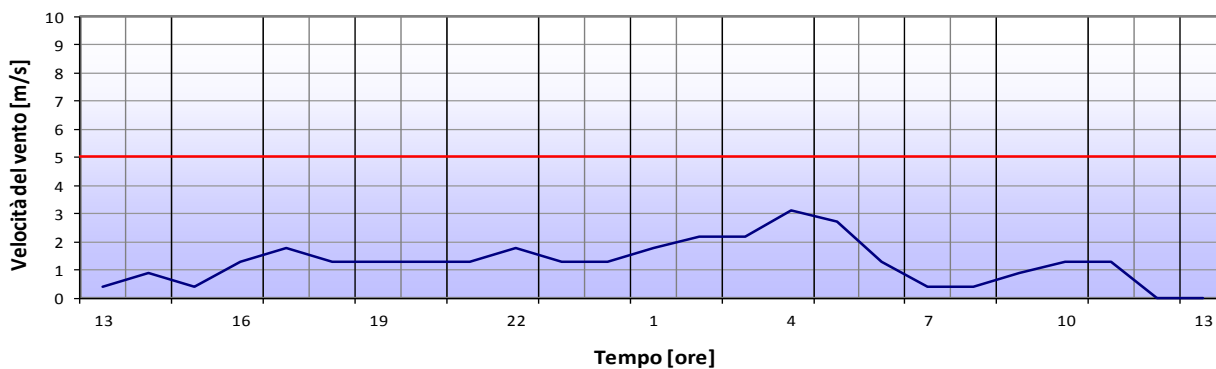
Evoluzione temporale della temperatura



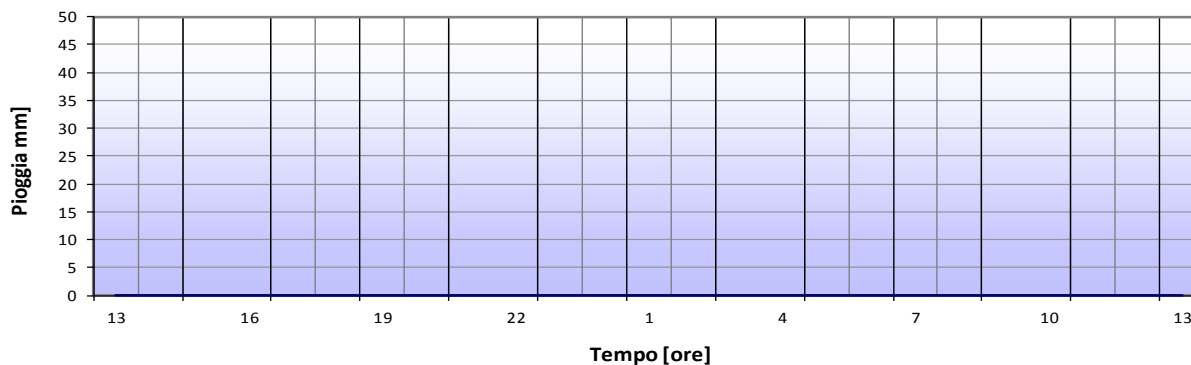
Evoluzione temporale dell'umidità



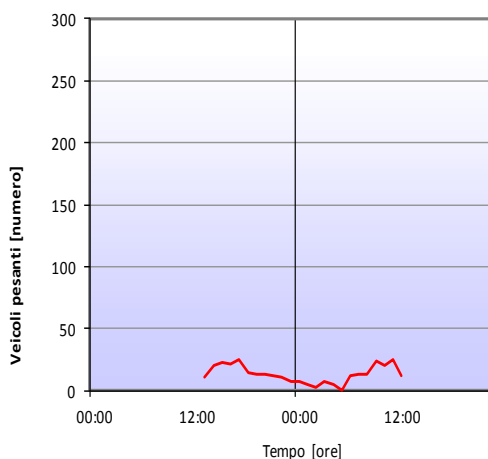
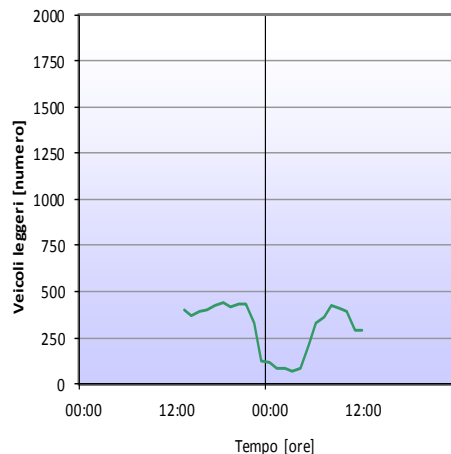
Evoluzione temporale della velocità del vento



Evoluzione temporale della pioggia



FLUSSI VEICOLARI NEI PERIODI DI RIFERIMENTO
DIREZIONE NORD



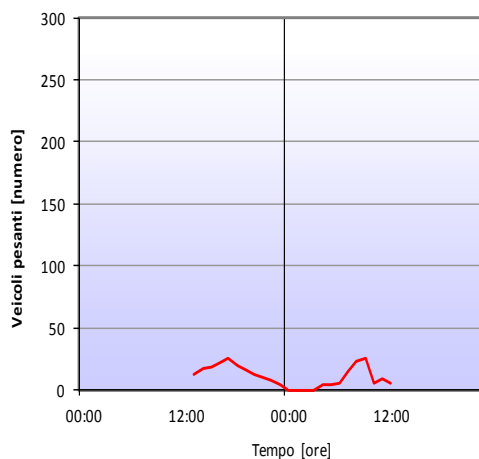
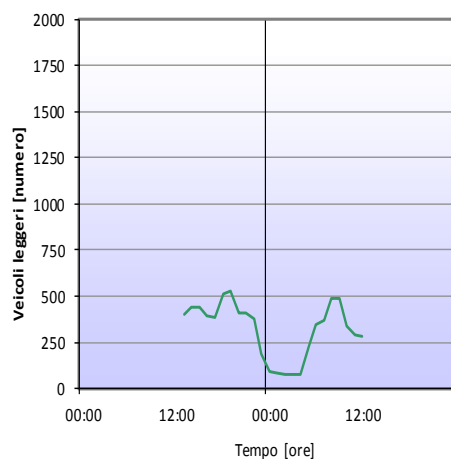
| Data | FLUSSO VEICOLI LEGGERI | | FLUSSO VEICOLI PESANTI | |
|------------|------------------------|----------|------------------------|----------|
| | Diurno | Notturmo | Diurno | Notturmo |
| 31/03/2016 | 3.703 | 1.092 | 155 | 47 |
| 01/04/2016 | 2.494 | | 122 | |

| VELOCITA' MEDIA [km/h] | |
|------------------------|----------|
| Diurno | Notturmo |
| 62 | 68 |
| 65 | |

| | | | | |
|---------------------|--------------|--------------|------------|-----------|
| TOTALE | 6.197 | 1.092 | 277 | 47 |
| MEDIA ORARIA | 387 | 137 | 17 | 6 |

| | |
|-----------|-----------|
| 59 | 68 |
|-----------|-----------|

DIREZIONE SUD



| Data | FLUSSO VEICOLI LEGGERI | | FLUSSO VEICOLI PESANTI | |
|------------|------------------------|----------|------------------------|----------|
| | Diurno | Notturmo | Diurno | Notturmo |
| 31/03/2016 | 3.906 | 1.197 | 153 | 20 |
| 01/04/2016 | 2.607 | | 87 | |

| VELOCITA' MEDIA [km/h] | |
|------------------------|----------|
| Diurno | Notturmo |
| 58 | 66 |
| 63 | |

| | | | | |
|---------------------|--------------|--------------|------------|-----------|
| TOTALE | 6.513 | 1.197 | 240 | 20 |
| MEDIA ORARIA | 407 | 150 | 15 | 3 |

| | |
|-----------|-----------|
| 60 | 66 |
|-----------|-----------|

| | | | | | |
|-------------------|---|---------------------|------------------|--|------------------------|
| Tipo rilievo | Monitoraggio acustico in continuo 24 h con rilievo traffico | | Punto di misura: | PRT 10 | |
| Regione | Veneto | Provincia | Verona | Comune | Lonigo |
| Indirizzo | Via Dovaro, 4 – 36045 - Lonigo | | Progressiva AV: | KM 30+350 | |
| Coordinate | LAT. 45°25'46.92"N | LONG. 11°22'21.62"E | Responsabile | Ing. Tiziana Bastianello Regione Lazio n. 270 | |
| Strumentazione | Larson Davis 831 mat. 03813 – Taratura n. 2015/00528 del 19/01/15 | | | | |
| Concorsuale | Strada Provinciale SP 17 - Distanza 13,73 m | | Operatore | Dott. Rocco Tasso Regione Campania n. 341/01 | |
| Posizione microf. | Facciata edificio – Altezza pari a 8,00 m sul p.d.c. | | | | |
| Data inizio | 05.04.16 | Data fine misura | 06.04.16 | Assistente | Geom. Luca Abbandonato |
| Ora inizio | 11:00:00 | Ora fine misura | 11:00:00 | | |



ELABORAZIONE DATI ACUSTICI E DI TRAFFICO

| | Leq [dB(A)] | Leggeri [veh/h] | Pesanti [veh/h] | V _{media} [km/h] |
|------------------|----------------|--------------------|--------------------|------------------------------|
| Periodo Diurno | 68,7 | 710 | 204 | 57,0 |
| Periodo Notturno | 62,7 | 406 | 102 | 62,0 |

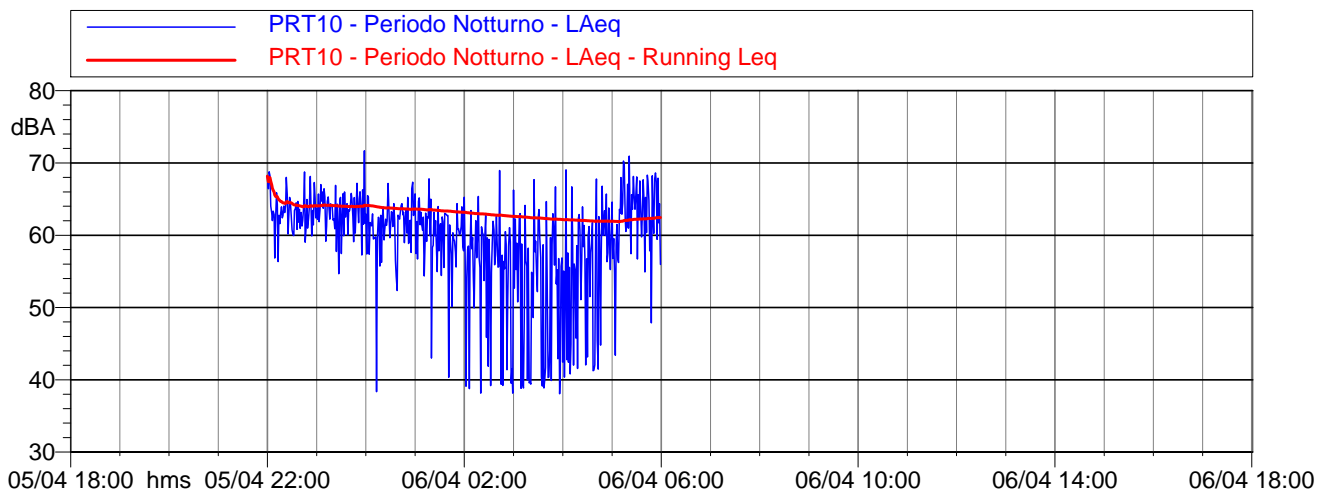
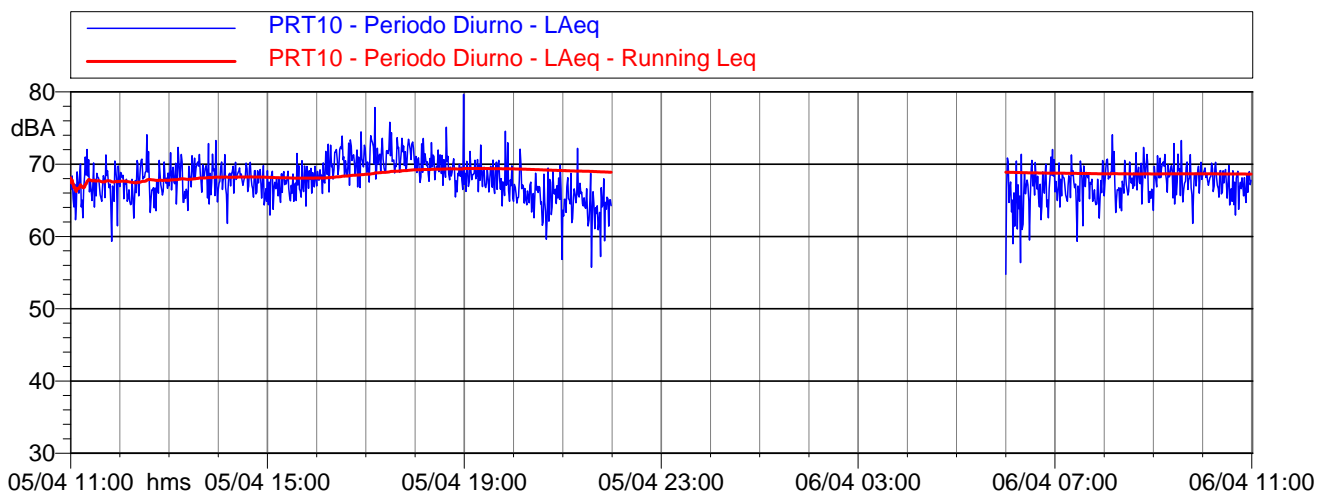
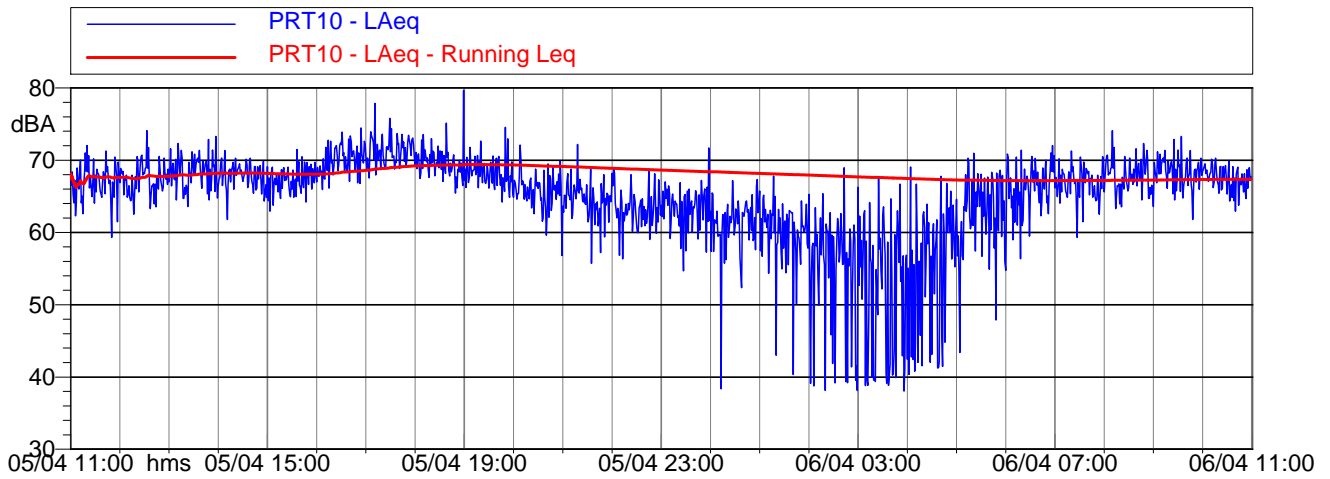
NOTE: Monitoraggio del traffico effettuato con contatraffico automatico (radar a microne)

SINTESI PARAMETRI METEO

| | Min | Max |
|---------------------|------|------|
| Temperatura [°C] | 11,6 | 18,8 |
| Umidità [%] | 57,0 | 61,0 |
| Vento [m/s] | 0,0 | 2,2 |
| Pioggia [mm] | 0,0 | |
| Direzione Vento [°] | NE | |

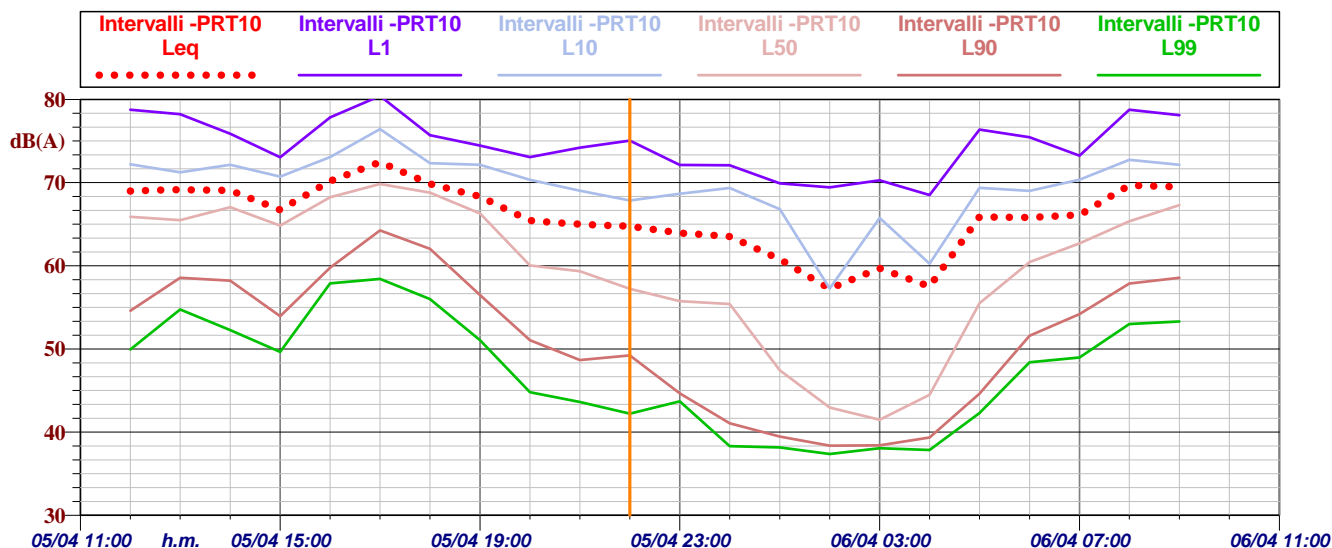
UBICAZIONE PUNTO DI MISURA





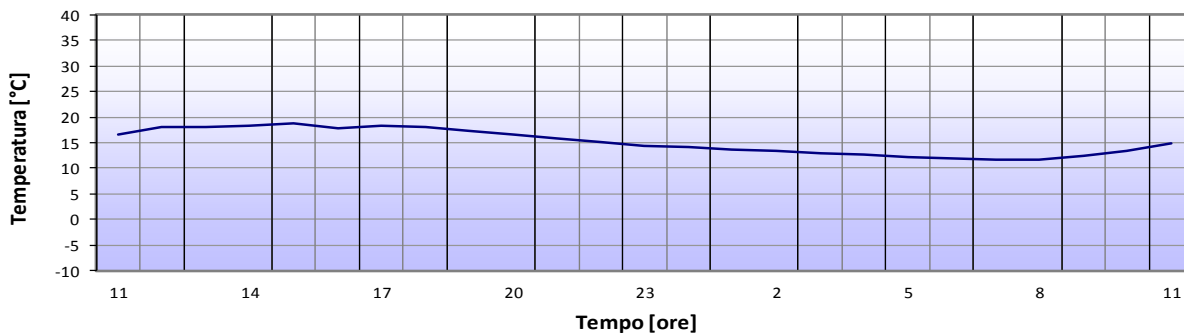
Intervalli orari

Andamento dei Livelli equivalenti e dei Livelli percentili

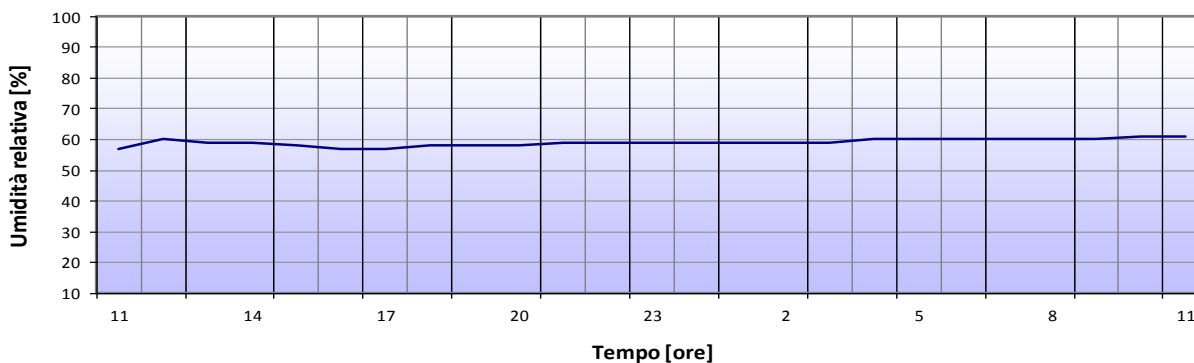


| | LEQ | L1 | L10 | L50 | L90 | L99 |
|----------------|------------|-----------|------------|------------|------------|------------|
| 05/04 10:59:00 | 67.0 dBA | 75.4 dBA | 71.1 dBA | 62.7 dBA | 54.3 dBA | 48.9 dBA |
| 05/04 12:00:00 | 69.0 dBA | 78.8 dBA | 72.2 dBA | 65.9 dBA | 54.6 dBA | 49.9 dBA |
| 05/04 13:00:00 | 69.2 dBA | 78.2 dBA | 71.3 dBA | 65.5 dBA | 58.6 dBA | 54.8 dBA |
| 05/04 14:00:00 | 69.1 dBA | 75.9 dBA | 72.2 dBA | 67.1 dBA | 58.2 dBA | 52.3 dBA |
| 05/04 15:00:00 | 66.7 dBA | 73.0 dBA | 70.7 dBA | 64.8 dBA | 54.0 dBA | 49.6 dBA |
| 05/04 16:00:00 | 70.2 dBA | 77.8 dBA | 73.1 dBA | 68.3 dBA | 59.8 dBA | 57.9 dBA |
| 05/04 17:00:00 | 72.5 dBA | 80.4 dBA | 76.4 dBA | 69.9 dBA | 64.3 dBA | 58.4 dBA |
| 05/04 18:00:00 | 69.9 dBA | 75.7 dBA | 72.3 dBA | 68.8 dBA | 62.0 dBA | 56.0 dBA |
| 05/04 19:00:00 | 68.3 dBA | 74.5 dBA | 72.2 dBA | 66.3 dBA | 56.5 dBA | 51.1 dBA |
| 05/04 20:00:00 | 65.4 dBA | 73.1 dBA | 70.3 dBA | 60.0 dBA | 51.1 dBA | 44.8 dBA |
| 05/04 21:00:00 | 65.0 dBA | 74.2 dBA | 69.0 dBA | 59.3 dBA | 48.7 dBA | 43.6 dBA |
| 05/04 22:00:00 | 64.8 dBA | 75.1 dBA | 67.9 dBA | 57.3 dBA | 49.2 dBA | 42.2 dBA |
| 05/04 23:00:00 | 63.9 dBA | 72.1 dBA | 68.7 dBA | 55.8 dBA | 44.7 dBA | 43.7 dBA |
| 06/04 00:00:00 | 63.5 dBA | 72.1 dBA | 69.4 dBA | 55.4 dBA | 41.1 dBA | 38.3 dBA |
| 06/04 01:00:00 | 60.8 dBA | 69.9 dBA | 66.8 dBA | 47.5 dBA | 39.5 dBA | 38.2 dBA |
| 06/04 02:00:00 | 57.3 dBA | 69.4 dBA | 57.3 dBA | 43.0 dBA | 38.4 dBA | 37.4 dBA |
| 06/04 03:00:00 | 59.7 dBA | 70.3 dBA | 65.8 dBA | 41.5 dBA | 38.4 dBA | 38.1 dBA |
| 06/04 04:00:00 | 57.5 dBA | 68.5 dBA | 60.3 dBA | 44.5 dBA | 39.4 dBA | 37.9 dBA |
| 06/04 05:00:00 | 65.9 dBA | 76.4 dBA | 69.4 dBA | 55.5 dBA | 44.6 dBA | 42.3 dBA |
| 06/04 06:00:00 | 65.8 dBA | 75.5 dBA | 69.0 dBA | 60.5 dBA | 51.6 dBA | 48.4 dBA |
| 06/04 07:00:00 | 66.1 dBA | 73.2 dBA | 70.4 dBA | 62.7 dBA | 54.2 dBA | 49.0 dBA |
| 06/04 08:00:00 | 69.7 dBA | 78.8 dBA | 72.7 dBA | 65.4 dBA | 57.9 dBA | 53.0 dBA |
| 06/04 09:00:00 | 69.5 dBA | 78.1 dBA | 72.2 dBA | 67.3 dBA | 58.6 dBA | 53.3 dBA |
| 06/04 10:00:00 | 68.4 dBA | 75.5 dBA | 71.4 dBA | 66.9 dBA | 56.1 dBA | 51.2 dBA |

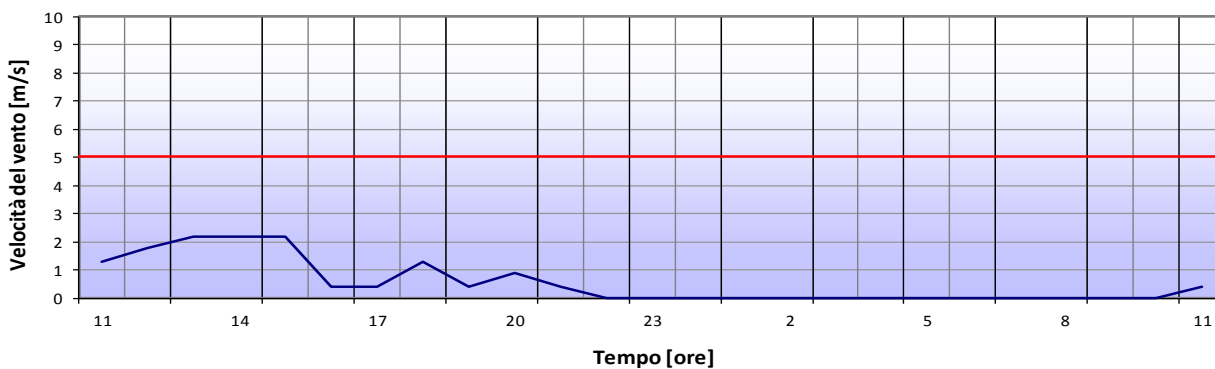
Evoluzione temporale della temperatura



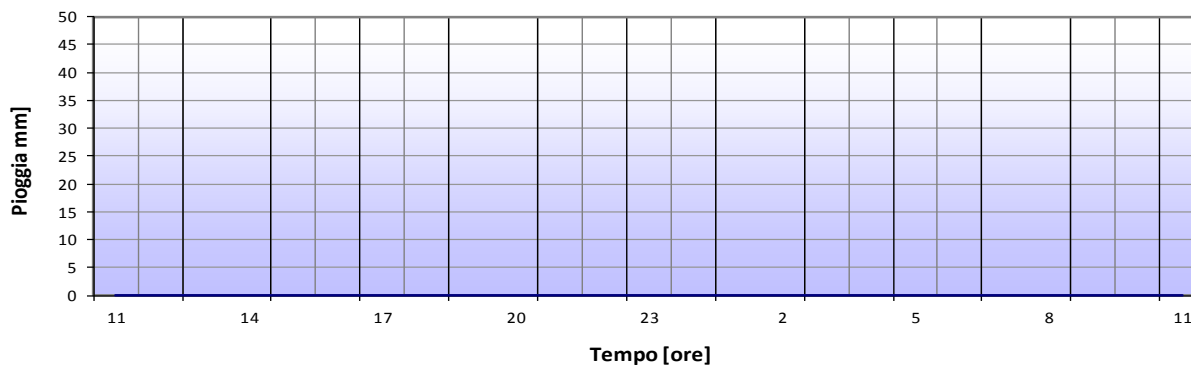
Evoluzione temporale dell'umidità



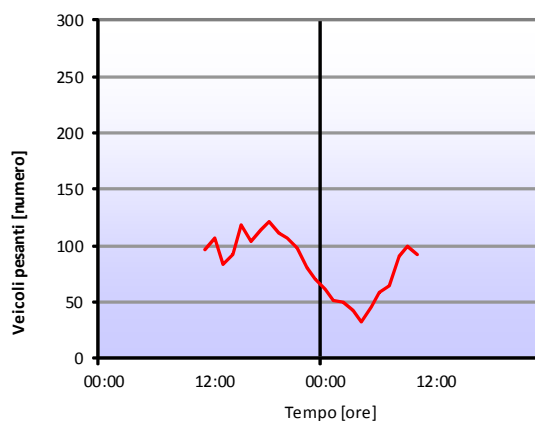
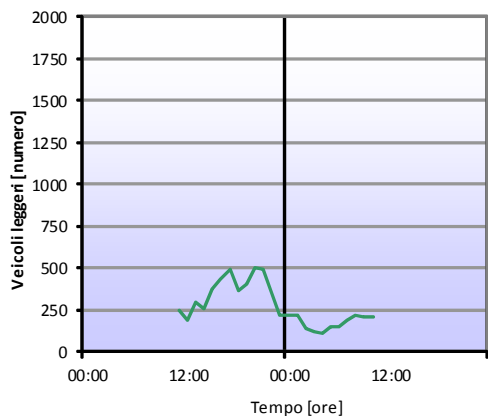
Evoluzione temporale della velocità del vento



Evoluzione temporale della pioggia



FLUSSI VEICOLARI NEI PERIODI DI RIFERIMENTO
DIREZIONE NORD



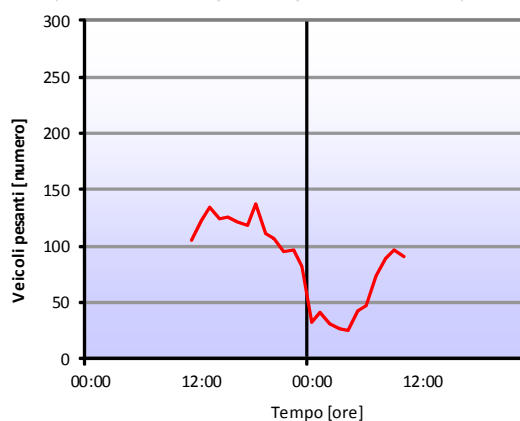
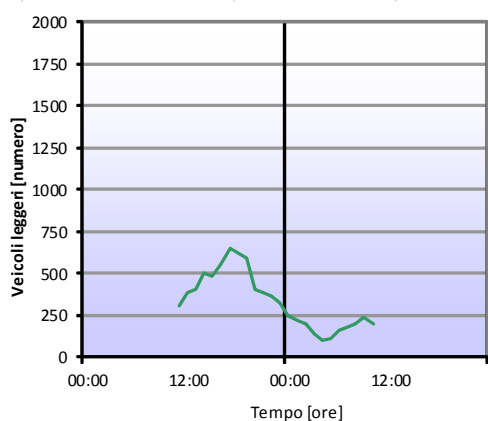
| Data | FLUSSO VEICOLI LEGGERI | | FLUSSO VEICOLI PESANTI | |
|------------|------------------------|----------|------------------------|----------|
| | Diurno | Notturmo | Diurno | Notturmo |
| 05/04/2016 | 4.085 | 1.542 | 1.151 | 435 |
| 06/04/2016 | 979 | | 406 | |

| VELOCITA' MEDIA [km/h] | |
|------------------------|----------|
| Diurno | Notturmo |
| 54 | 61 |
| 60 | |

| | | | | |
|---------------------|--------------|--------------|--------------|------------|
| TOTALE | 5.064 | 1.542 | 1.557 | 435 |
| MEDIA ORARIA | 317 | 193 | 97 | 54 |

| | |
|-----------|-----------|
| 52 | 61 |
|-----------|-----------|

DIREZIONE SUD






| Data | FLUSSO VEICOLI LEGGERI | | FLUSSO VEICOLI PESANTI | |
|------------|------------------------|----------|------------------------|----------|
| | Diurno | Notturmo | Diurno | Notturmo |
| 05/04/2016 | 5.310 | 1.709 | 1.303 | 378 |
| 06/04/2016 | 985 | | 399 | |

| VELOCITA' MEDIA [km/h] | |
|------------------------|----------|
| Diurno | Notturmo |
| 57 | 64 |
| 59 | |

| | | | | |
|---------------------|--------------|--------------|--------------|------------|
| TOTALE | 6.295 | 1.709 | 1.702 | 378 |
| MEDIA ORARIA | 393 | 214 | 106 | 47 |

| | |
|-----------|-----------|
| 58 | 64 |
|-----------|-----------|

| | | | | | |
|-------------------|---|------------------|---------------|------------------|--|
| Tipo rilievo | Monitoraggio acustico in continuo 24 h con rilievo traffico | | | Punto di misura: | PRT 11 |
| Regione | Veneto | Provincia | Vicenza | Comune | Montebello Vicentino |
| Indirizzo | Via Fracanzana, 10 - 36054 - Montebello Vicentino | | | Progressiva AV: | KM 31+625 |
| Coordinate | LAT. 45°26'23.02"N | LONG. | 11°22'49.87"E | Responsabile |  Ing. Tiziana Bastianelli Regione Lazio n. 270 |
| Strumentazione | Larson Davis LxT mat. 02879 – Taratura n. 224/0035 del 05/05/14 | | | | |
| Concorsuale | Strada Provinciale SP18 - Distanza 12,90 m | | | Operatore |  Geom. G. La Francesca Regione Campania n. 250/99 |
| Posizione microf. | Facciata edificio – Altezza pari a 4,00 m sul p.d.c. | | | | |
| Data inizio | 05.04.16 | Data fine misura | 06.04.16 | Assistente |  Per. Ing. Salvatore Vecchione |
| Ora inizio | 10:00:00 | Ora fine misura | 10:00:00 | | |



ELABORAZIONE DATI ACUSTICI E DI TRAFFICO

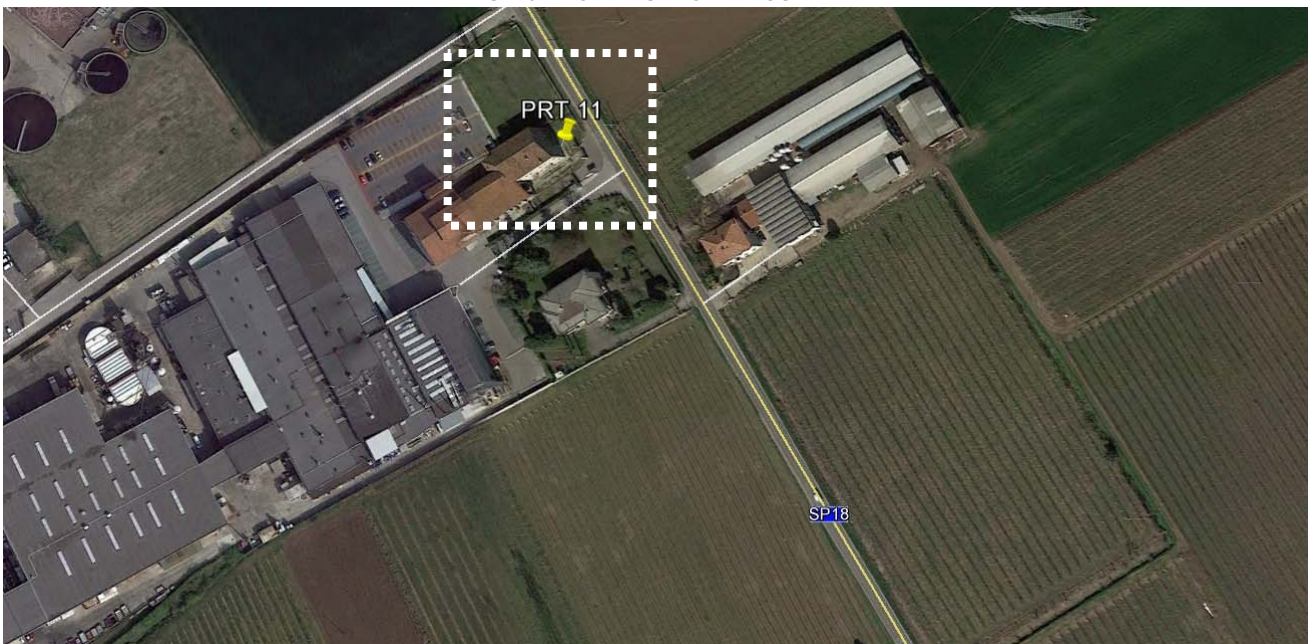
| | Leq [dB(A)] | Leggeri [veh/h] | Pesanti [veh/h] | V _{media} [km/h] |
|------------------|----------------|--------------------|--------------------|------------------------------|
| Periodo Diurno | 65,3 | 123 | 17 | 66,0 |
| Periodo Notturno | 60,3 | 45 | 5 | 73,0 |

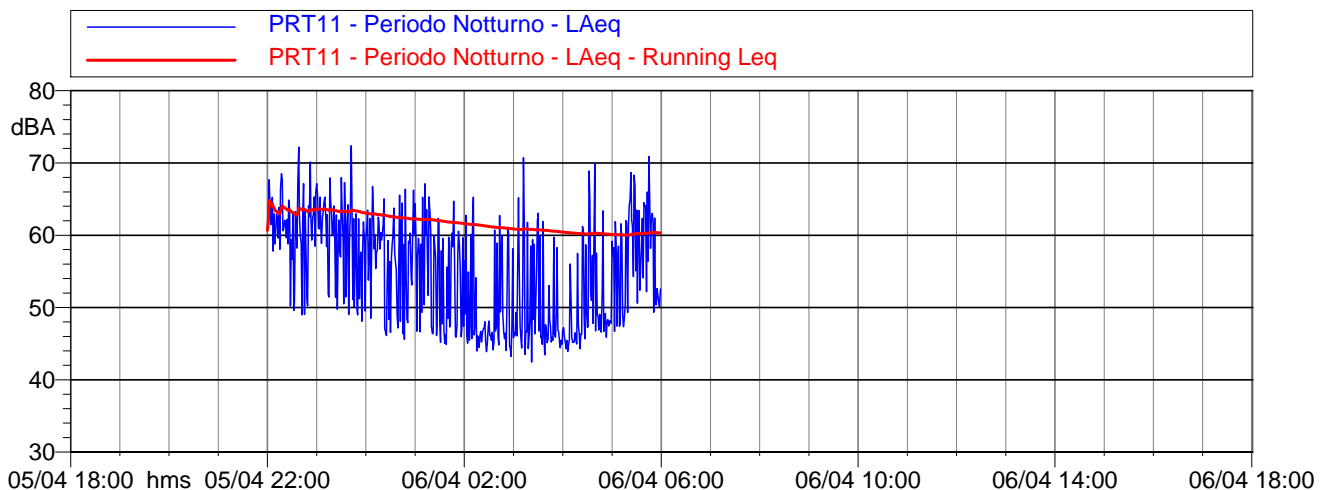
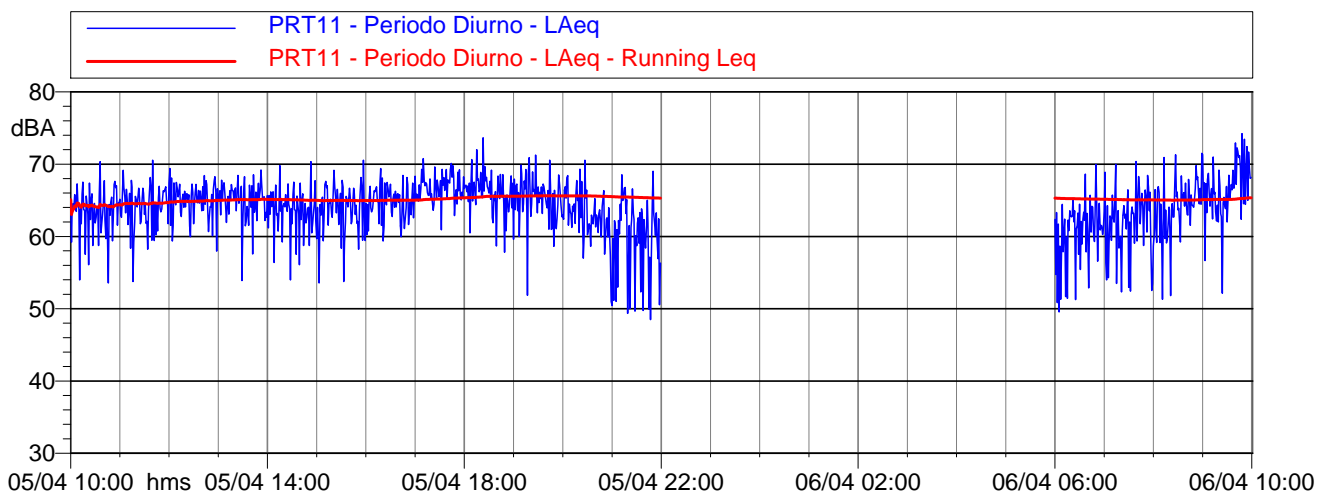
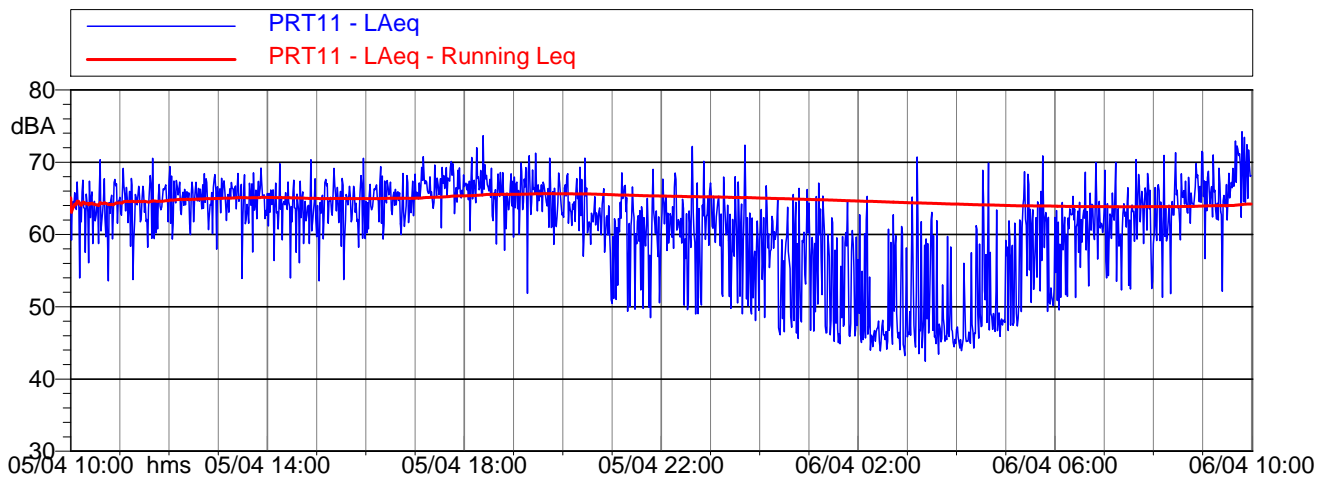
NOTE: Monitoraggio del traffico effettuato con contatraffico automatico (radar a microne)

SINTESI PARAMETRI METEO

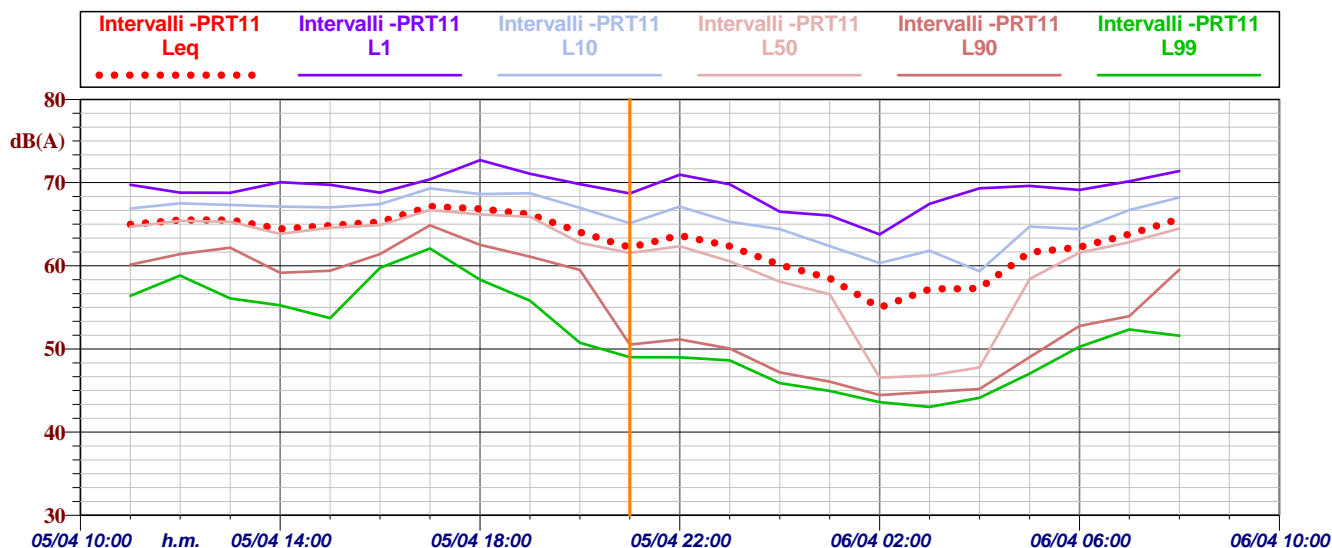
| | Min | Max |
|---------------------|------|------|
| Temperatura [°C] | 11,6 | 18,8 |
| Umidità [%] | 57,0 | 61,0 |
| Vento [m/s] | 0,0 | 2,2 |
| Pioggia [mm] | 0,0 | |
| Direzione Vento [°] | NE | |

UBICAZIONE PUNTO DI MISURA



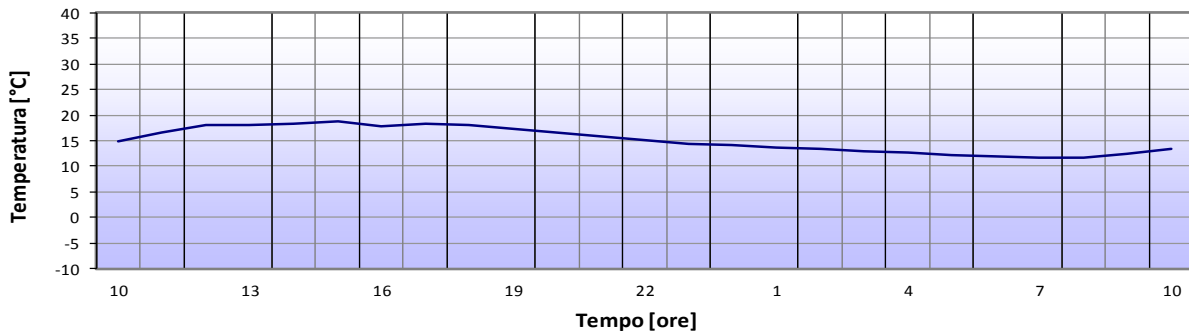


Intervalli orari
 Andamento dei Livelli equivalenti e dei Livelli percentili

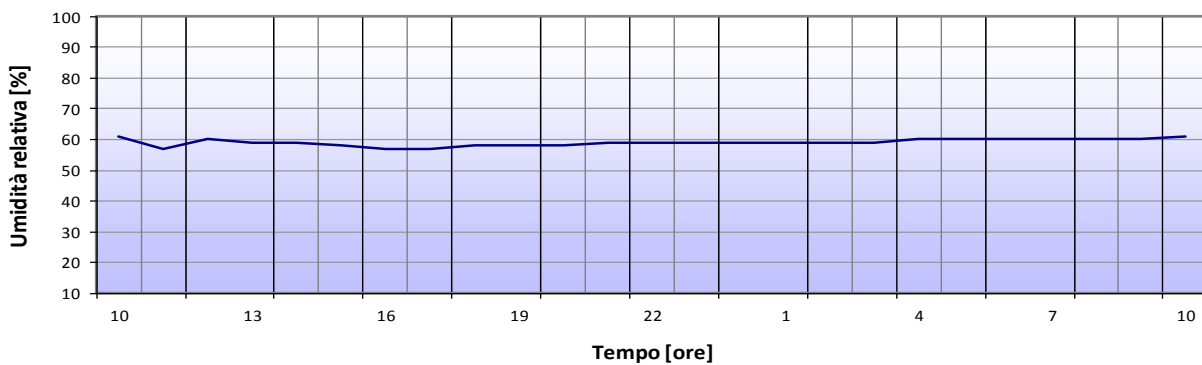


| | LEQ | L1 | L10 | L50 | L90 | L99 |
|----------------|------------|-----------|------------|------------|------------|------------|
| 05/04 09:59:00 | 64.4 dBA | 68.8 dBA | 67.2 dBA | 64.0 dBA | 59.2 dBA | 53.8 dBA |
| 05/04 11:00:00 | 65.0 dBA | 69.7 dBA | 66.9 dBA | 64.7 dBA | 60.1 dBA | 56.4 dBA |
| 05/04 12:00:00 | 65.5 dBA | 68.8 dBA | 67.5 dBA | 65.4 dBA | 61.4 dBA | 58.8 dBA |
| 05/04 13:00:00 | 65.5 dBA | 68.8 dBA | 67.3 dBA | 65.3 dBA | 62.2 dBA | 56.1 dBA |
| 05/04 14:00:00 | 64.4 dBA | 70.0 dBA | 67.1 dBA | 63.8 dBA | 59.2 dBA | 55.2 dBA |
| 05/04 15:00:00 | 64.9 dBA | 69.7 dBA | 67.0 dBA | 64.6 dBA | 59.4 dBA | 53.7 dBA |
| 05/04 16:00:00 | 65.3 dBA | 68.8 dBA | 67.4 dBA | 64.9 dBA | 61.4 dBA | 59.8 dBA |
| 05/04 17:00:00 | 67.1 dBA | 70.4 dBA | 69.3 dBA | 66.7 dBA | 64.9 dBA | 62.1 dBA |
| 05/04 18:00:00 | 66.9 dBA | 72.7 dBA | 68.6 dBA | 66.2 dBA | 62.5 dBA | 58.3 dBA |
| 05/04 19:00:00 | 66.2 dBA | 71.1 dBA | 68.7 dBA | 65.9 dBA | 61.1 dBA | 55.8 dBA |
| 05/04 20:00:00 | 64.1 dBA | 69.8 dBA | 67.0 dBA | 62.8 dBA | 59.5 dBA | 50.8 dBA |
| 05/04 21:00:00 | 62.2 dBA | 68.7 dBA | 65.1 dBA | 61.5 dBA | 50.5 dBA | 49.0 dBA |
| 05/04 22:00:00 | 63.7 dBA | 71.0 dBA | 67.1 dBA | 62.3 dBA | 51.2 dBA | 49.0 dBA |
| 05/04 23:00:00 | 62.4 dBA | 69.8 dBA | 65.3 dBA | 60.6 dBA | 50.1 dBA | 48.6 dBA |
| 06/04 00:00:00 | 60.1 dBA | 66.5 dBA | 64.4 dBA | 58.1 dBA | 47.2 dBA | 45.9 dBA |
| 06/04 01:00:00 | 58.5 dBA | 66.0 dBA | 62.4 dBA | 56.6 dBA | 46.1 dBA | 45.0 dBA |
| 06/04 02:00:00 | 55.0 dBA | 63.8 dBA | 60.3 dBA | 46.5 dBA | 44.5 dBA | 43.6 dBA |
| 06/04 03:00:00 | 57.2 dBA | 67.5 dBA | 61.8 dBA | 46.8 dBA | 44.9 dBA | 43.0 dBA |
| 06/04 04:00:00 | 57.3 dBA | 69.3 dBA | 59.3 dBA | 47.8 dBA | 45.2 dBA | 44.1 dBA |
| 06/04 05:00:00 | 61.6 dBA | 69.6 dBA | 64.7 dBA | 58.4 dBA | 49.0 dBA | 47.1 dBA |
| 06/04 06:00:00 | 62.2 dBA | 69.1 dBA | 64.4 dBA | 61.6 dBA | 52.8 dBA | 50.3 dBA |
| 06/04 07:00:00 | 63.8 dBA | 70.2 dBA | 66.7 dBA | 62.8 dBA | 54.0 dBA | 52.4 dBA |
| 06/04 08:00:00 | 65.6 dBA | 71.4 dBA | 68.2 dBA | 64.5 dBA | 59.6 dBA | 51.6 dBA |
| 06/04 09:00:00 | 68.1 dBA | 73.7 dBA | 71.7 dBA | 66.6 dBA | 62.4 dBA | 54.8 dBA |

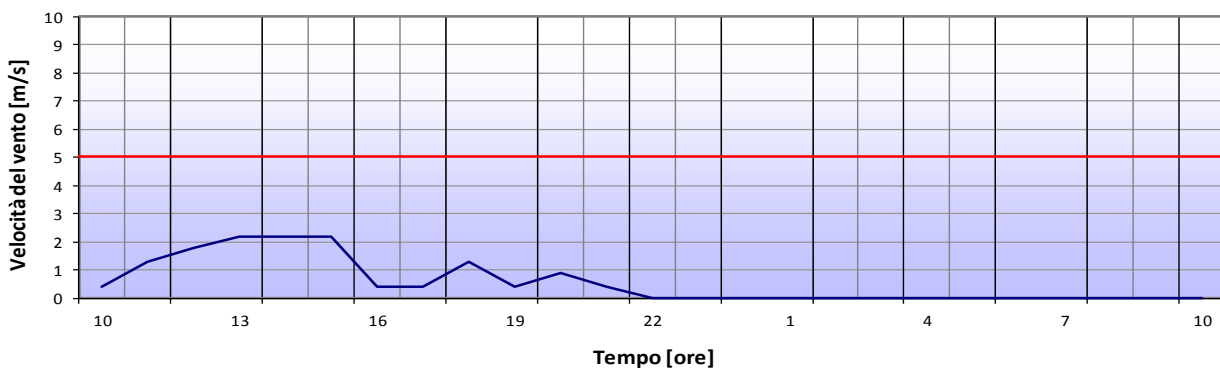
Evoluzione temporale della temperatura



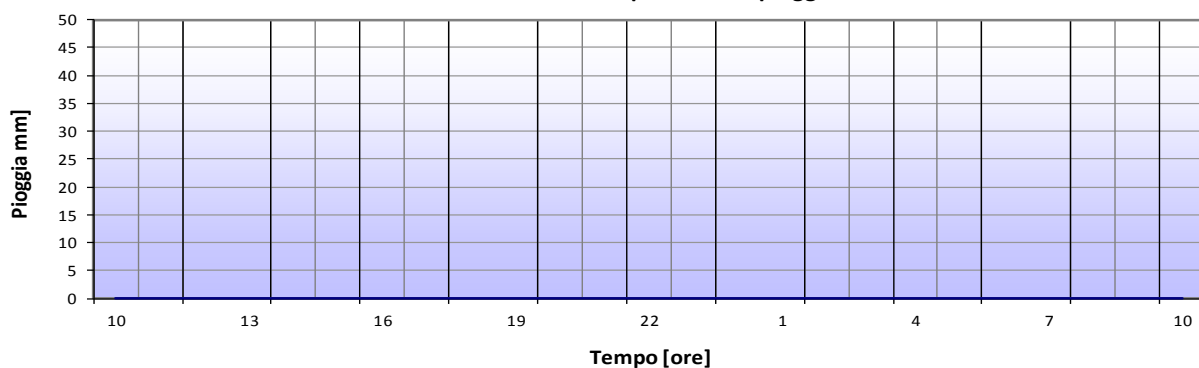
Evoluzione temporale dell'umidità

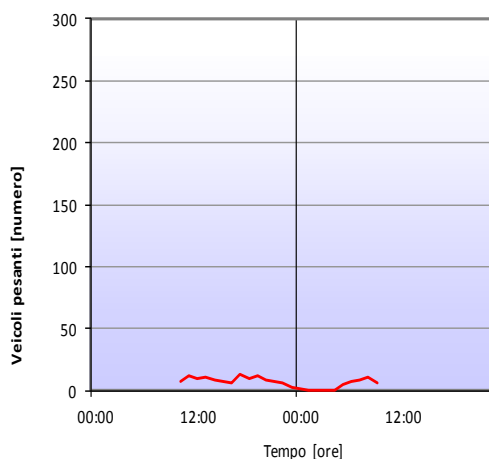
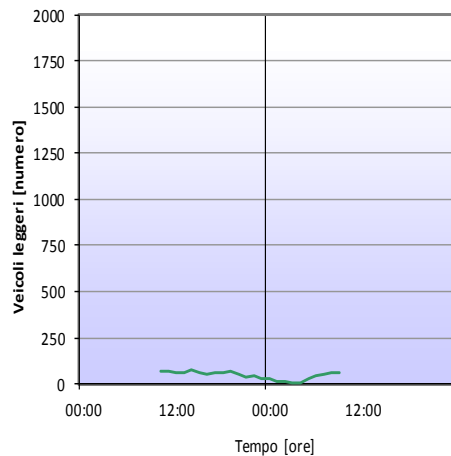


Evoluzione temporale della velocità del vento



Evoluzione temporale della pioggia



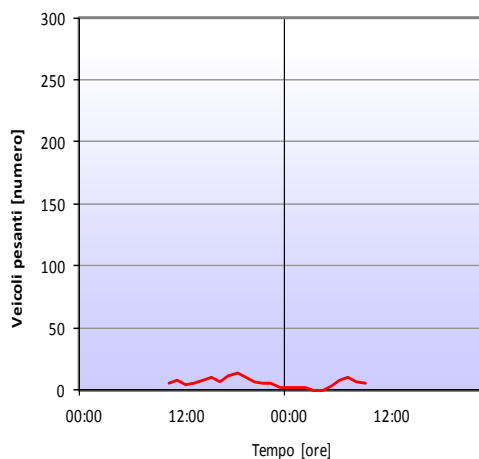
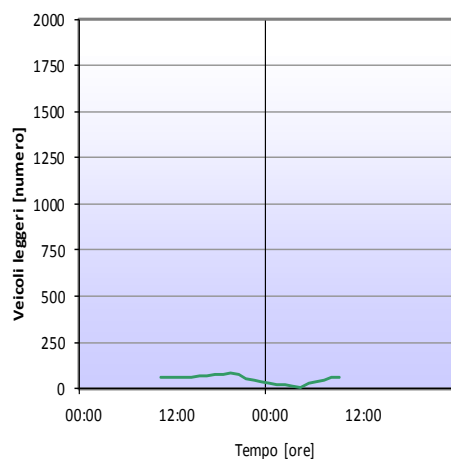
FLUSSI VEICOLARI NEI PERIODI DI RIFERIMENTO
DIREZIONE NORD


| Data | FLUSSO VEICOLI LEGGERI | | FLUSSO VEICOLI PESANTI | |
|------------|------------------------|----------|------------------------|----------|
| | Diurno | Notturmo | Diurno | Notturmo |
| 05/04/2016 | 733 | 167 | 115 | 19 |
| 06/04/2016 | 217 | | 34 | |

| VELOCITA' MEDIA [km/h] | |
|------------------------|----------|
| Diurno | Notturmo |
| 64 | 75 |
| 74 | |

| | | | | |
|---------------------|------------|------------|------------|-----------|
| TOTALE | 950 | 167 | 149 | 19 |
| MEDIA ORARIA | 59 | 21 | 9 | 2 |

| | |
|-----------|-----------|
| 63 | 75 |
|-----------|-----------|

DIREZIONE SUD


| Data | FLUSSO VEICOLI LEGGERI | | FLUSSO VEICOLI PESANTI | |
|------------|------------------------|----------|------------------------|----------|
| | Diurno | Notturmo | Diurno | Notturmo |
| 05/04/2016 | 806 | 189 | 94 | 17 |
| 06/04/2016 | 206 | | 30 | |

| VELOCITA' MEDIA [km/h] | |
|------------------------|----------|
| Diurno | Notturmo |
| 64 | 72 |
| 73 | |

| | | | | |
|---------------------|--------------|------------|------------|-----------|
| TOTALE | 1.012 | 189 | 124 | 17 |
| MEDIA ORARIA | 63 | 24 | 8 | 2 |

| | |
|-----------|-----------|
| 66 | 72 |
|-----------|-----------|