






LINEA 6 – METROPOLITANA DI NAPOLI

				(PRIMA EMISSIONE) – DICEMBRE 2014- GENNAIO 2015	DIC 14- GEN 15													
Albinati	De Risi	Manferlotti	Di Luccio															
REDATTO	CONTROLLATO	APPROVATO	AUTORIZZATO	DESCRIZIONE REVISIONE DOCUMENTO	DATA	REV												
 Ansaldo STS A Finmeccanica Company CONCESSIONARIA				 COMUNE DI NAPOLI CONCEDENTE				PROG IMP NUMERO										
								L	M	6	7	F	X	2	C	I	3	8
								CODICE PRODOTTO				AREA		TIPO		FASE		
								2	C		E	S						
A termini di legge è rigorosamente vietato riprodurre e comunicare a terzi il contenuto del presente documento	TITOLO DOCUMENTO: LINEA 6 METROPOLITANA DI NAPOLI PROGETTO ESECUTIVO OPERE CIVILI – MONITORAGGIO GEOTECNICO GEOREFERENZIATO REPORT DELLE MISURE (INTERNO) – STAZIONE CHIAIA																	
	EMITTENTE  METROPOLITANA DI NAPOLI S.p.A. RESPONSABILE PROGETTAZIONE OPERE CIVILI				A.T.I. LM6			CODICE ENTE 										
	 Monitoraggio delle gallerie e prove di laboratorio per la qualifica dei materiali e loro controllo Monitoraggio opere civili e monitoraggio ambientale				FORMATO A4		SCALA /		FOGLIO 1 DI 124									

INDICE

1.PREMESSA	3
2.DATI GENERALI	4
3.STRUMENTAZIONE INTERNA INSTALLATA	5
4.PLANIMETRIA STRUMENTAZIONE MONITORAGGIO	7
5. PLANIMETRIA E SEZIONI ANDAMENTO TETTO DEL TUFO	9
6.FASI LAVORATIVE	11
7.MISURE GEOTECNICHE INCLINOMETRICHE	16
8.MISURE GEOTECNICHE - BARRETTE ESTENSIMETRICHE	45
9.MISURE GEOTECNICHE - CELLE DI CARICO TOROIDALI	64
10.MISURE TOPOGRAFICHE - MIRE OTTICHE	73
ALLEGATO 1 – MANUTENZIONE	120


 <p>Ansaldo STS A Finmeccanica Company</p>	<p>LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO</p> <p>OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO REPORT DELLE MISURE - STAZIONE CHIAIA</p>	<p>LM6 7FX 2C I 38 Data: 30/01/15 Metropolit. di Napoli A.T.I. LM6 TreEsse Engineering S.r.l.</p>
---	---	---

1. PREMESSA

Nell'ambito della realizzazione della nuova Metropolitana di Napoli (**Linea 6, tratta Mergellina - Municipio**) è prevista una rete di monitoraggio e controllo finalizzata alla periodica registrazione delle grandezze fisiche di maggiore interesse e agli effetti legati alle attività di cantiere.

In generale, per le stazioni il sistema di monitoraggio prevede i seguenti strumenti:

- Capisaldi di livellazione, posti sul terreno e sui marciapiedi degli edifici adiacenti il pozzo di stazione;
- Staffe livellometriche, poste sugli edifici adiacenti il pozzo di stazione;
- Piezometri Casagrande o a tubo aperto, realizzati in prossimità delle paratie del pozzo di stazione;
- Piezometri elettrici, realizzati all'interno del pozzo di stazione;
- Inclinometri ed estenso-inclinometri, realizzati in prossimità delle paratie del pozzo di stazione;
- Inclinometri, realizzati nelle paratie perimetrali del pozzo di stazione;
- Mire ottiche, poste sulle paratie all'interno del pozzo di stazione
- Celle di carico, disposte sui puntoni metallici di contrasto;
- Barrette estensimetriche, disposte sui puntoni metallici di contrasto e/o all'interno delle paratie perimetrali del pozzo di stazione.

 <p>Ansaldo STS A Finmeccanica Company</p>	<p>LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO</p> <p><i>OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO</i></p> <p><i>REPORT DELLE MISURE - STAZIONE CHIAIA</i></p>	<p>LM6 7FX 2C I 38 Data: 30/01/15 Metropolit. di Napoli A.T.I. LM6 TreEsse Engineering S.r.l.</p>
---	--	---

L'installazione di tale strumentazione impiegata lungo le aree di cantiere (stazione Chiaia, S. Pasquale, Arco Mirelli e Municipio) risulta completa all'interno ed all'esterno dei pozzi di stazione; diversamente, quella relativa alla Galleria di linea è ad oggi in fase d'installazione.

Di seguito saranno restituiti i grafici frutto delle letture svolte nel cantiere, relativi alla sola strumentazione interna:


- Inclinometri, Estensimetri, Piezometri, acquisizione elaborazione restituzione dati competenza Tre Esse.
- Staffe di livellazione, Capisaldi acquisizione competenza ATI, elaborazione restituzione dati competenza Tre Esse.

2. DATI GENERALI

Commessa: Linea 6 – Metropolitana Di Napoli

Impresa esecutrice: Chiaia S.c.a.r.l.

Monitoraggio: Tre Esse Engineering S.r.l.

 <p>Ansaldo STS A Finmeccanica Company</p>	<p>LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO</p> <p>OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO REPORT DELLE MISURE - STAZIONE CHIAIA</p>	<p>LM6 7FX 2C I 38 Data: 30/01/15 Metropolit. di Napoli A.T.I. LM6 TreEsse Engineering S.r.l.</p>
---	---	---

3. STRUMENTAZIONE INTERNA INSTALLATA

La nomenclatura della strumentazione di monitoraggio ha subito una variazione rispetto all'installazione, necessaria per rendere uniforme ed univoco il nome di ogni strumento installato lungo tutta la tratta.

Esempio: CH_P50_S1;

la prima serie di simboli identifica la stazione di monitoraggio (in questo caso San Pasquale),

la seconda è identificativa del numero di pannello monitorato,

la terza corrisponde al tipo di barretta estensimetrica installata (S sta per Strain gauge – corda vibrante) e al numero progressivo della barretta (1,2,..).

Elenco strumentazione installata e funzionante.

- n°4 Inclinatori

CH_IN_P13

CH_IN_P50

CH_IN_P67

CH_IN_P81

- n°24 Barrette Estensimetriche a corda vibrante per metallo

CH_P13_S1-6

CH_P50_S1-6

CH_P67_S1-6

CH_PU1_S1-4

CH_PU2_S5-8

- n°11 Celle di Carico

Primo Ordine di Tiranti

CH_CC1-4

Secondo Ordine di Tiranti

CH_CC5-9

Puntoni

CH_PU1_CC

CH_PU2_CC

- n°74 Mire Ottiche

Primo Ordine

CH_MO1-16

Secondo Ordine

CH_MO17-32

Terzo Ordine


CH_MO33-40

Quarto Ordine

CH_MO36-44

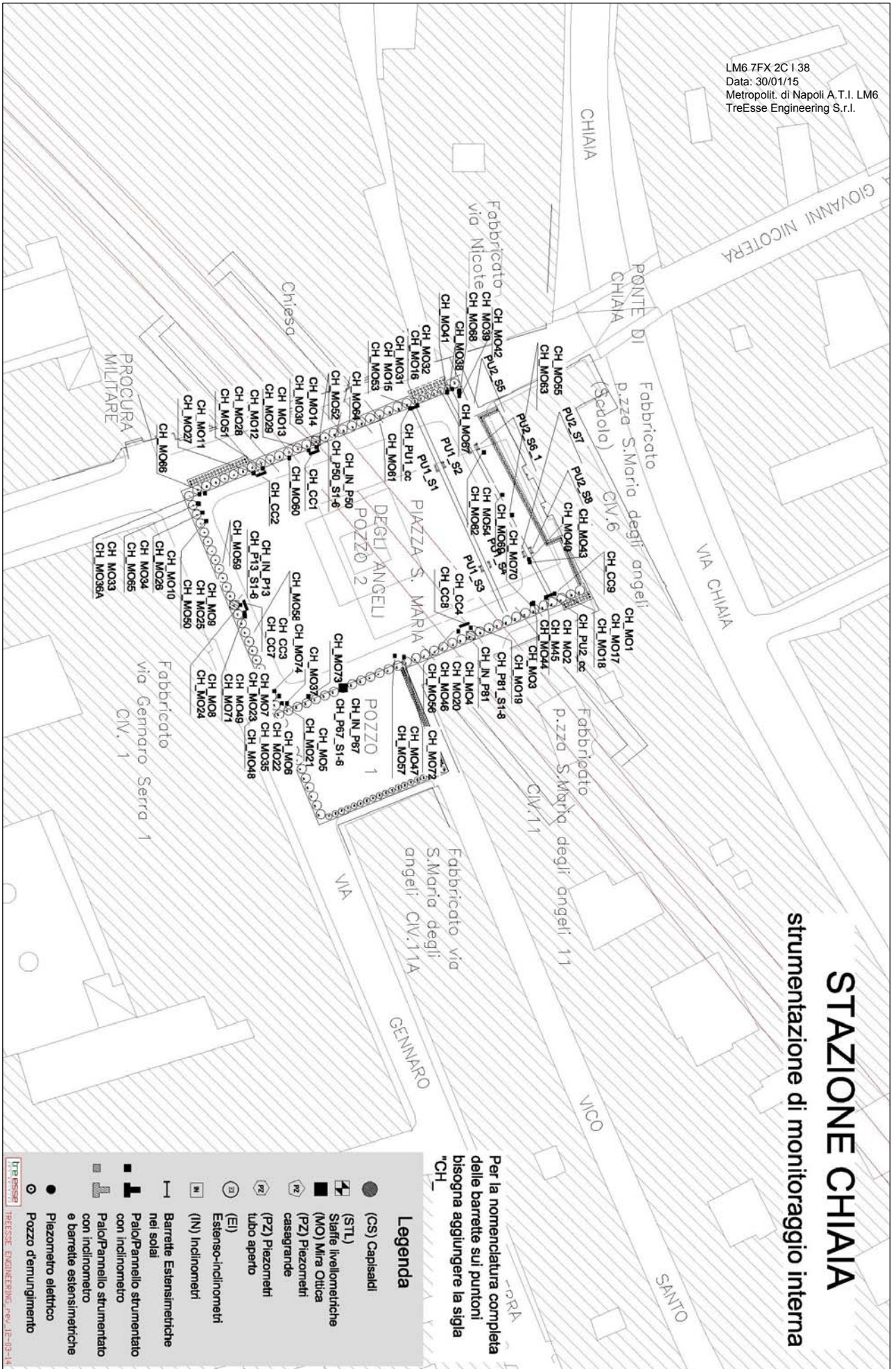
Supplementari

CH_MO45-74

 <p>Ansaldo STS A Finmeccanica Company</p>	<p>LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO</p> <p><i>OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO</i></p> <p><i>REPORT DELLE MISURE - STAZIONE CHIAIA</i></p>	<p>LM6 7FX 2C I 38 Data: 30/01/15 Metropolit. di Napoli A.T.I. LM6 TreEsse Engineering S.r.l.</p>
---	--	---

4. PLANIMETRIA STRUMENTAZIONE MONITORAGGIO

Nella figura successiva viene rappresentata la planimetria del cantiere e la disposizione degli strumenti previsti per il monitoraggio geotecnico installati internamente al pozzo stazione.



STAZIONE CHIAIA

strumentazione di monitoraggio interna


Per la nomenclatura completa delle barrette sui puntori bisogna aggiungere la sigla "CH_".

Legenda

- (CS) Capisaldi
- ▬ (STL) Staffe livellometriche
- ▬ (MO) Mira Ottica
- ▬ (PZ) Piezometri casagrande
- ▬ (PZ) Piezometri tubo aperto
- ⊕ (EI) Estensio-inclinometri
- ⊕ (IN) Inclinometri
- ▬ Barrette Estensimetriche nei soali
- ▬ Pali/Pannello strumentato con inclinometro
- ▬ Pali/Pannello strumentato con inclinometro e barrette estensimetriche
- Piezometro elettrico
- Pozzo demurgimento

TRIPRESSE
 TRIPRESSE ENGINEERING Rev. 15-03-14

Figura 4.1.: Planimetria pozzo stazione, raffigurante la disposizione della strumentazione di monitoraggio geotecnico interno installata.

 <p>Ansaldo STS A Finmeccanica Company</p>	<p>LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO</p> <p><i>OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO</i> <i>REPORT DELLE MISURE - STAZIONE CHIAIA</i></p>	<p>LM6 7FX 2C I 38 Data: 30/01/15 Metropolit. di Napoli A.T.I. LM6 TreEsse Engineering S.r.l.</p>
---	---	---

5. PLANIMETRIA E SEZIONI ANDAMENTO TETTO DEL TUFO

Nella figura 5.1 viene rappresentata la Planimetria pozzo stazione, nella quale è riportata la collocazione di alcuni sondaggi effettuati per la campagna propedeutica alla stesura del Progetto Definitivo (2005).

Nella figura 5.2 viene rappresentato l'andamento del tetto del Tufo (lato monte e lato mare) con uno stralcio tratto dall'elaborato grafico del Progetto Definitivo (Stazione Chiaia) allegato alla Relazione Geologica (cod. doc.:LM67F2C0159 – ANNO 2005).

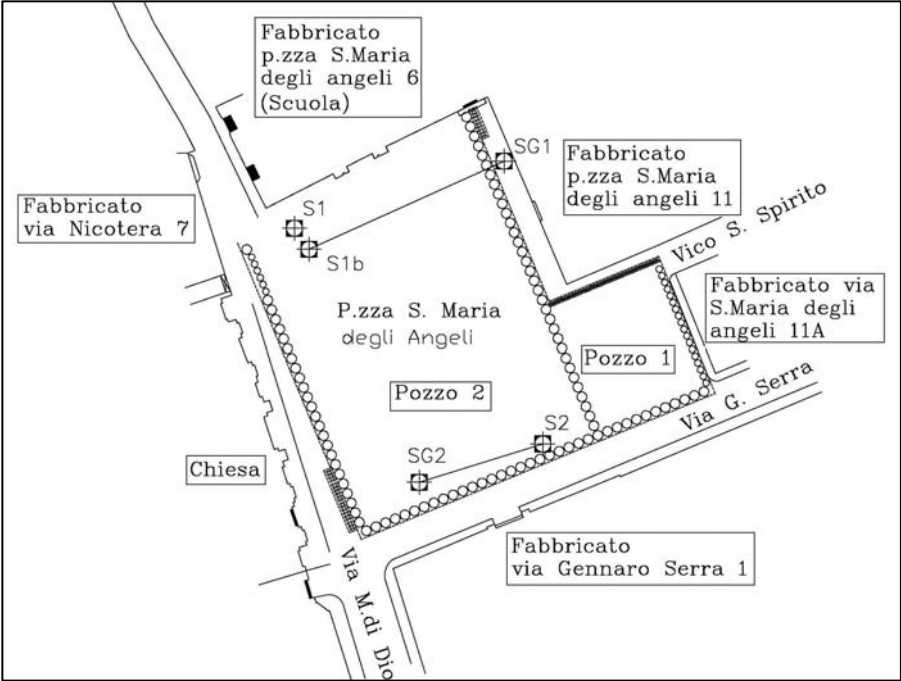


Figura 5.1.: Planimetria pozzo stazione, raffigurante la collocazione di alcuni sondaggi effettuati per la campagna propedeutica alla stesura del Progetto Definitivo (2005).

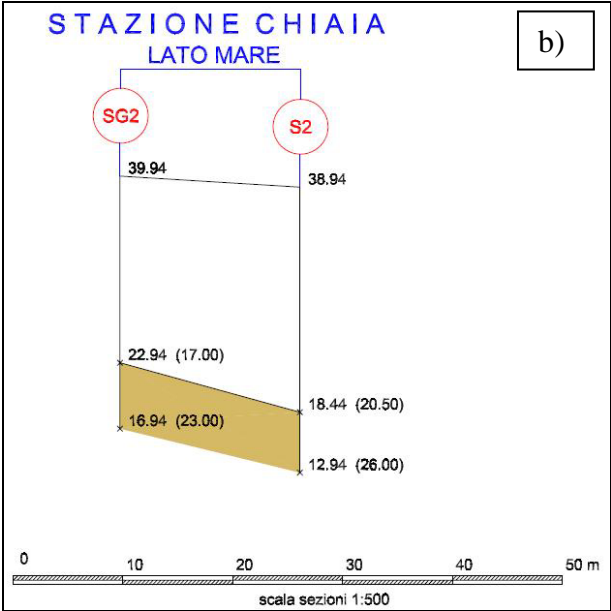
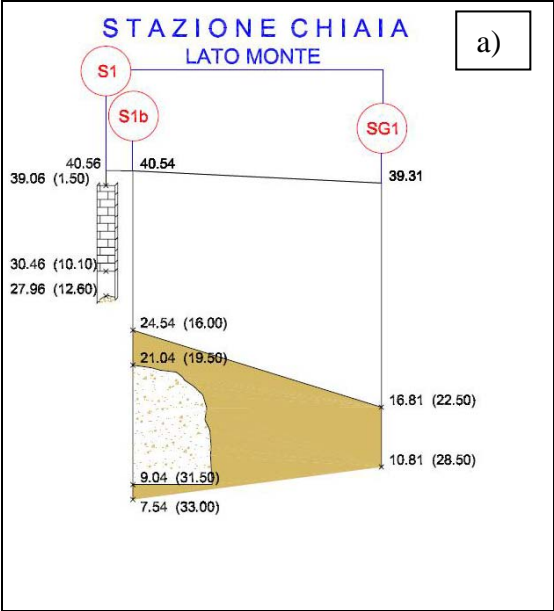



Figura 5.2a e5.2b.: Andamento del tetto del Tufo (lato monte e lato mare) - Stralcio da Elaborato grafico Progetto Definitivo Stazione Chiaia allegato alla Relazione Geologica (cod. doc.: LM67F2C0159 – ANNO 2005).

 <p>Ansaldo STS A Finmeccanica Company</p>	<p>LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO</p> <p><i>OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO</i></p> <p><i>REPORT DELLE MISURE - STAZIONE CHIAIA</i></p>	<p>LM6 7FX 2C I 38 Data: 30/01/15 Metropolit. di Napoli A.T.I. LM6 TreEsse Engineering S.r.l.</p>
---	--	---


1. 6. FASI LAVORATIVE

Nel presente capitolo vengono esposte le principali lavorazioni in svolgimento nel cantiere di Chiaia (Metropolitana di Napoli - Linea 6).

Le indicazioni riportate, aggiornate al periodo di riferimento del presente report, sono frutto sia delle osservazioni in sito dei tecnici Tre Esse sia delle informazioni comunicateci dall'Impresa Esecutrice.

Nella planimetria e nelle sezioni realizzate dalla Scrivente, di seguito riportate, sono state individuate e stimate qualitativamente le aree interessate dalle lavorazioni ritenute significative ai fini del monitoraggio, che rispetto al periodo d'osservazione precedente non hanno subito variazioni rilevanti. La planimetria in figura 6.1 raffigura il pozzo stazione, con la suddivisione in aree di lavoro. Riferendoci alle sezioni A-A' (fig.6.2), B-B' (fig.6.3), si osserva quanto di seguito riportato:

Le principali fasi lavorative hanno riguardato il proseguimento dei lavori di armatura e getto del solettone di fondo e delle strutture interne. Sul lato prossimo alla scuola, longitudinalmente alla facciata principale dell'edificio sono presenti 2 puntoni in acciaio di contrasto fra le paratie di pannelli. Le paratie di pannelli sono inoltre collegate fra di loro a varie quote grazie all'utilizzo di travi in acciaio tirantate.

 <p>Ansaldo STS A Finmeccanica Company</p>	<p>LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO</p> <p><i>OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO</i></p> <p><i>REPORT DELLE MISURE - STAZIONE CHIAIA</i></p>	<p>LM6 7FX 2C I 38 Data: 30/01/15 Metropolit. di Napoli A.T.I. LM6 TreEsse Engineering S.r.l.</p>
---	--	---

La strumentazione geotecnica prossima alle sezioni è la seguente:

- tubi inclinometrici CH_IN1, CH_IN_P67, tubo piezometrico (a tubo aperto) CH_PZ2, per la sezione A-A'
- tubo estenso-inclinometrico CH_EI1/ES1 e inclinometrico CH_IN3, CH_IN4, CH_PZ3 per la sezione B-B'

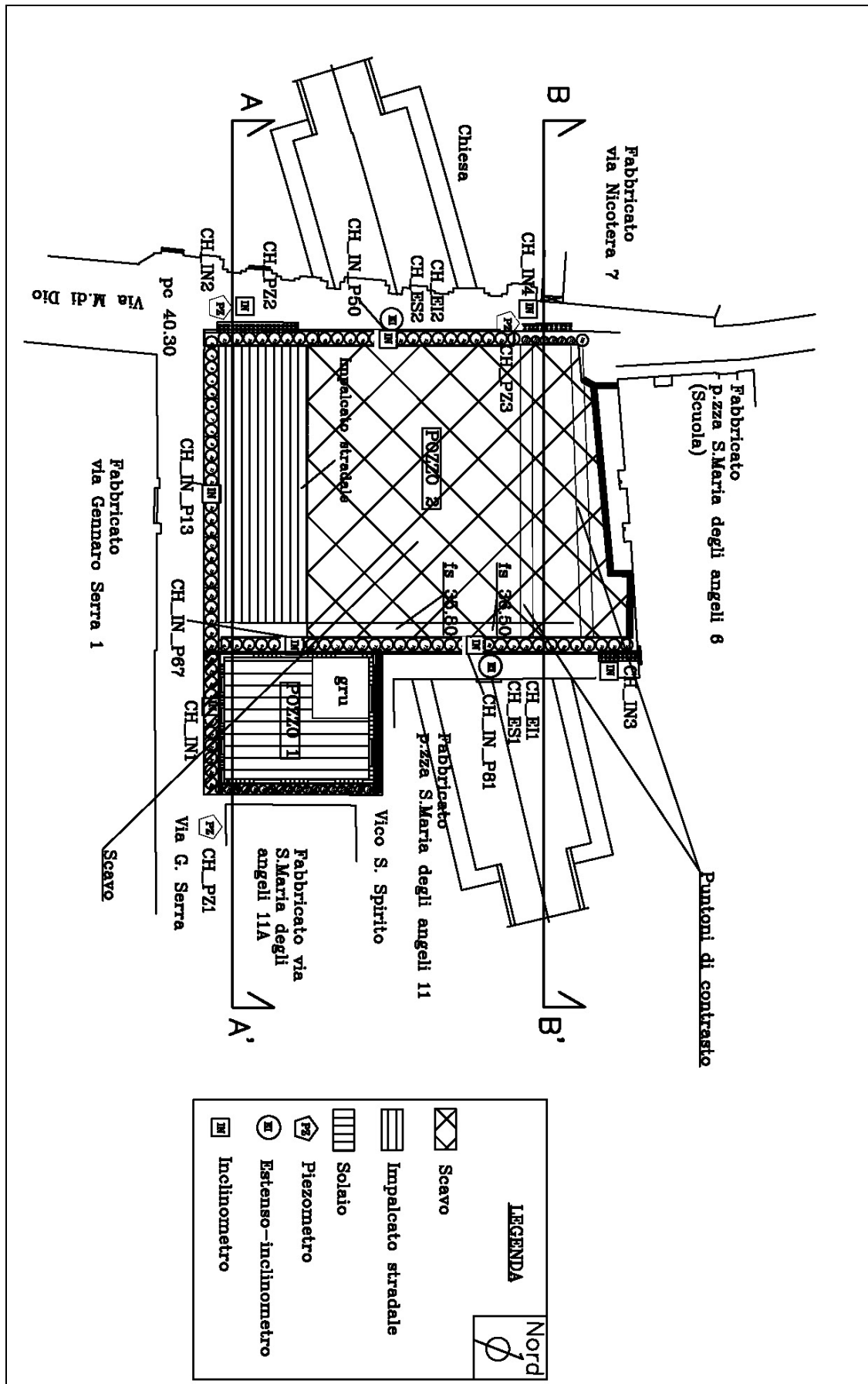


Figura 6.1.: Planimetria pozzo stazione, raffigurante la suddivisione in aree di lavoro.

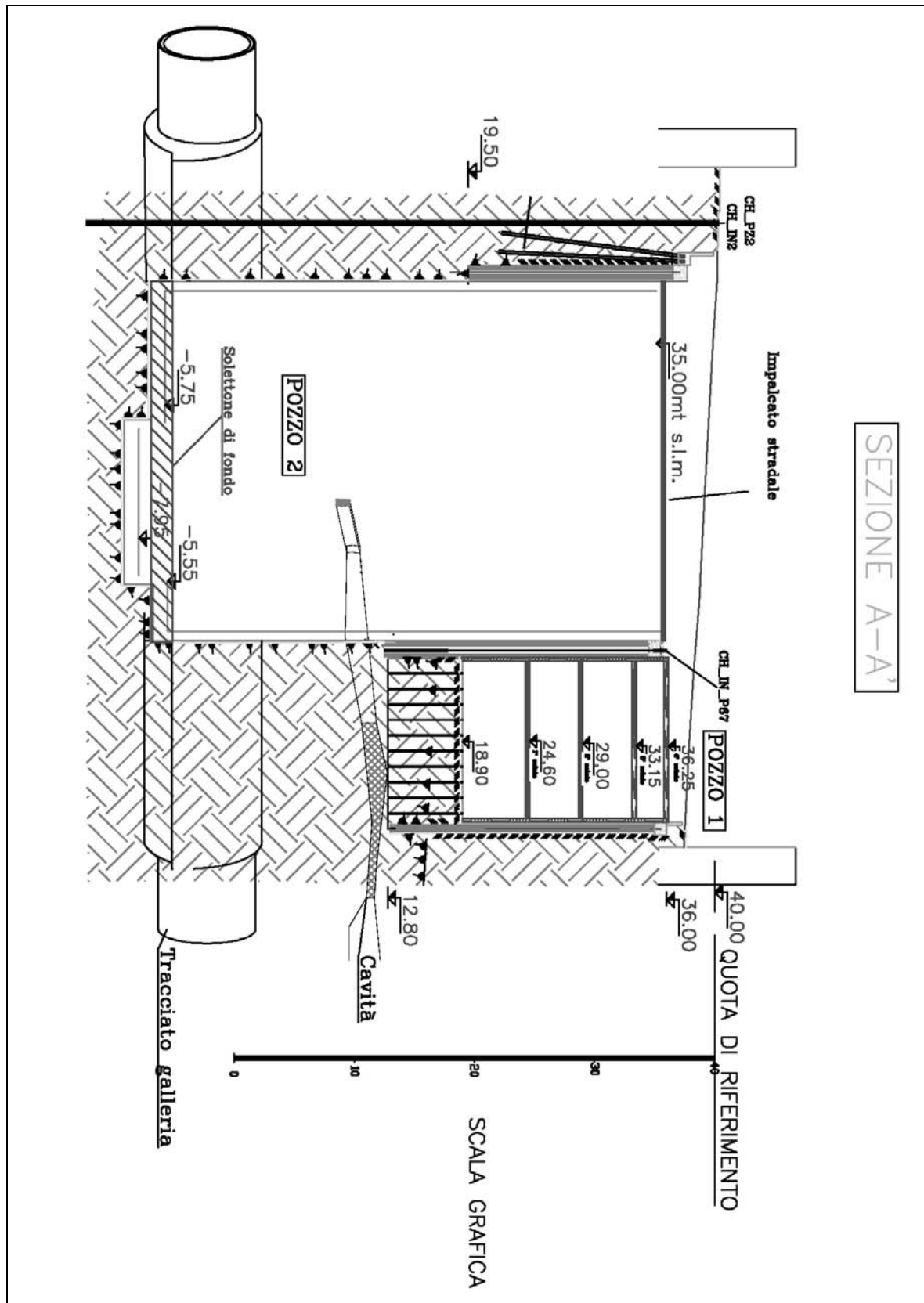


Figura 6.2.: Sezione A-A' pozzo stazione, raffigurante la suddivisione in aree di lavoro.

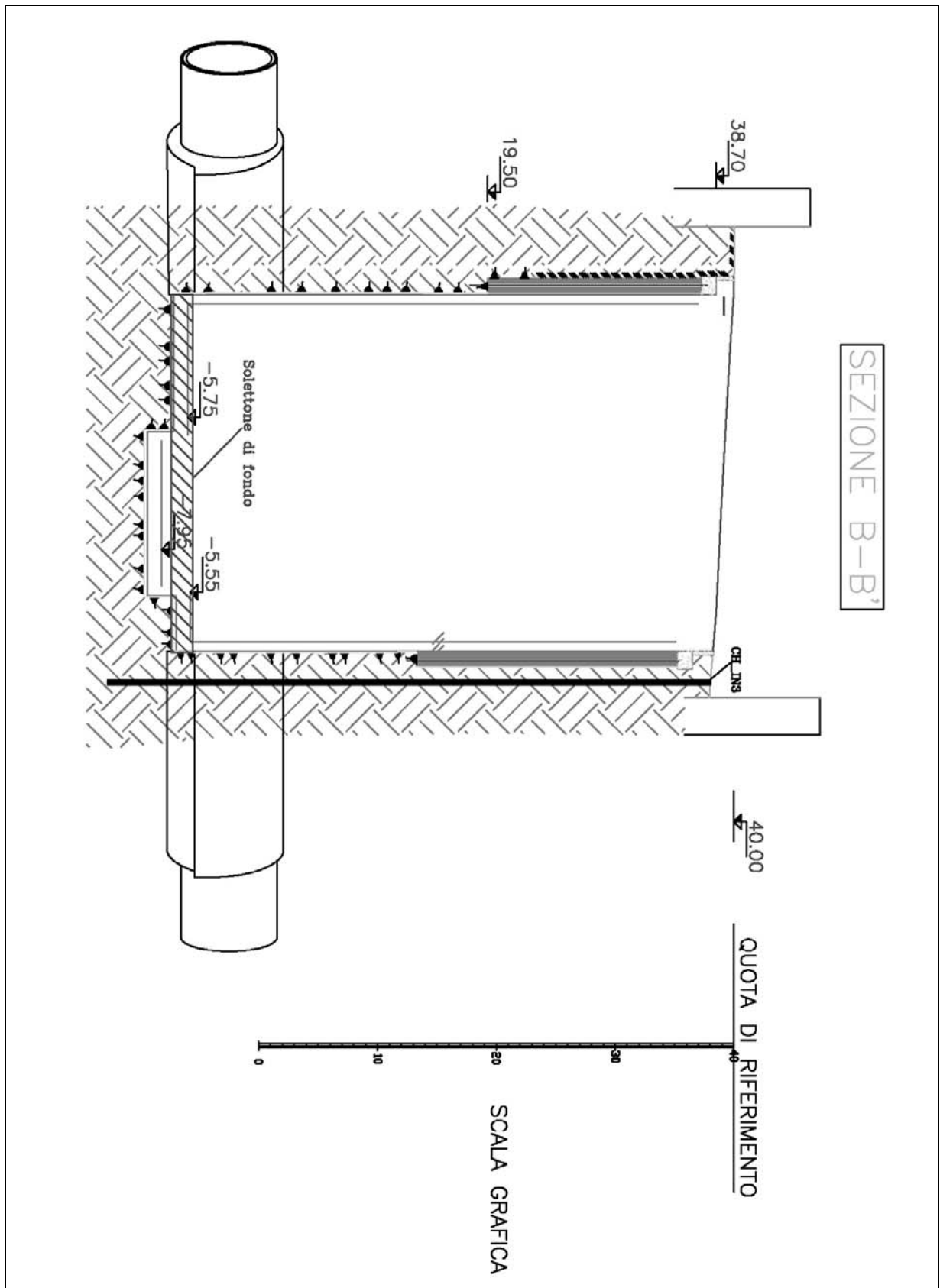



Figura 6.3.: Sezione B-B' pozzo stazione, raffigurante la suddivisione in aree di lavoro.

 <p>Ansaldo STS A Finmeccanica Company</p>	<p>LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO</p> <p>OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO REPORT DELLE MISURE - STAZIONE CHIAIA</p>	<p>LM6 7FX 2C I 38 Data: 30/01/15 Metropolit. di Napoli A.T.I. LM6 TreEsse Engineering S.r.l.</p>
---	---	---

7. MISURE GEOTECNICHE – INCLINOMETRICHE

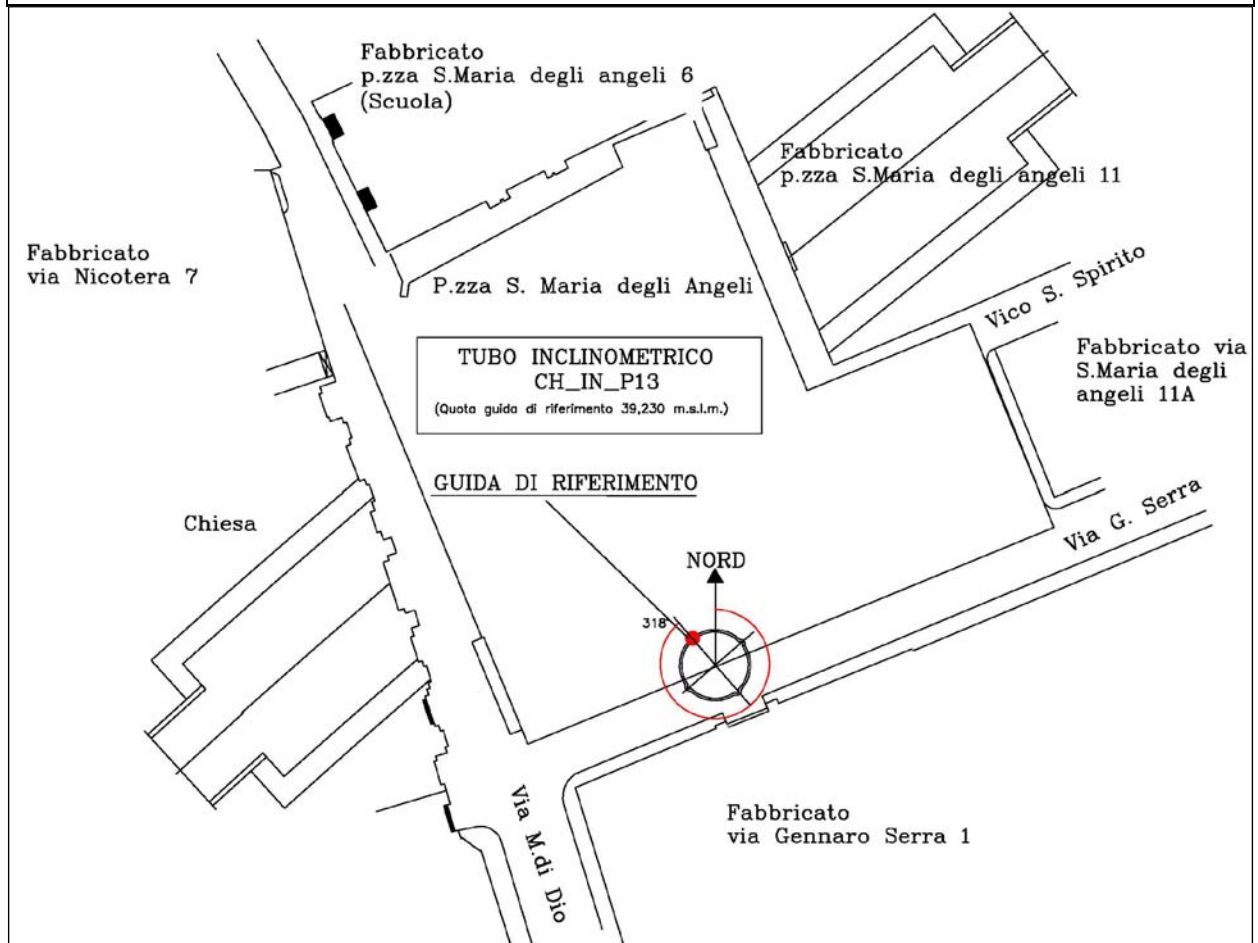
Gli inclinometri sono strumenti di controllo dei movimenti e delle deformazioni dei terreni nonché delle variazioni di assetto delle strutture. I rilievi consistono nella misura della variazione delle inclinazioni rispetto alla verticale di punti significativi, dall'inclinazione, mediante integrazione numerica si risale agli spostamenti sul piano x-y. La strumentazione di base è composta da tubo inclinometrico a sezione circolare provvisto di scanalature con funzione di guida per la sonda, sonda inclinometrica, cavo e centralina di misura.

Tabella riepilogativa per gli inclinometri installati in cantiere

NOME	TIPOLOGIA STRUMENTO	DATA INSTALLAZIONE	DISPONIBILITA' LETTURA			NOTE
			DATA LETTURA DI ZERO	PERIODO INTERRUZIONE	DATA FINE ATTIVITA'	
CH_IN_P13	INCLINOMETRO	06/12/10	22/12/10			
CH_IN_P50	INCLINOMETRO	21/12/10	21/01/11			
CH_IN_P67	INCLINOMETRO	18/11/09	25/11/09			
CH_IN_P81	INCLINOMETRO	21/12/10	21/01/11			

Inclinometro

CH_IN_P13



Affidabilità strumentale
A.T.I. LM6 – TreEsse

buono
da rivedere
da scartare

X

Congruenza progettuale
C.T. ATI LM6 – C.T. Monitoraggio

congruente
non congruente, da valutare
non congruente con implicazioni sulla
sicurezza

NOTE

Ubicazione **STAZIONE CHIAIA**
 Tipo Strumento **Tubo inclinometrico**
 Nome tubo **CH_IN_P13**
 Azimut di riferimento **318**
 Quota guida rif. (m.s.l.m.) **39,23**
 Data lettura di zero **22/12/2010**
 Data posa in opera **06/12/2010**

Misura **99** in data **17/12/2014 10:51**

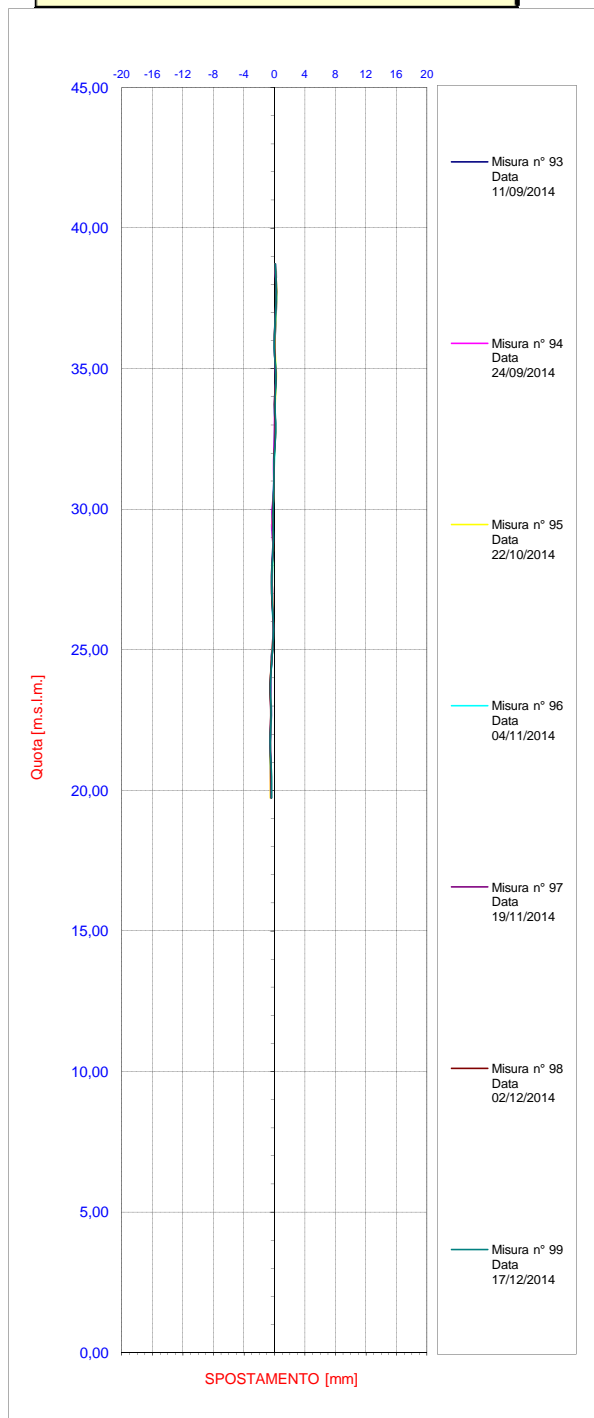
SPOSTAMENTI LOCALI (mm)				
PROFONDITA (m.s.l.m.)	EST	NORD	RISULTANTE	AZIMUT
38,7	0,086	0,281	0,294	17,032
37,7	0,217	0,062	0,225	74,115
36,7	0,077	0,039	0,086	62,877
35,7	-0,026	0,199	0,201	352,625
34,7	0,170	0,265	0,315	32,747
33,7	0,078	0,080	0,112	44,326
32,7	0,171	-0,030	0,174	99,797
31,7	-0,061	-0,304	0,310	191,407
30,7	-0,079	-0,161	0,179	206,109
29,7	-0,185	0,109	0,215	300,500
28,7	-0,138	0,238	0,275	329,838
27,7	-0,360	0,061	0,365	279,681
26,7	-0,295	0,301	0,421	315,631
25,7	-0,111	0,294	0,314	339,367
24,7	-0,306	0,450	0,544	325,814
23,7	-0,541	0,478	0,722	311,481
22,7	-0,438	0,477	0,648	317,413
21,7	-0,571	0,443	0,723	307,789
20,7	-0,401	0,537	0,670	323,264
19,7	-0,381	0,595	0,706	327,334

SPOSTAMENTI INTEGRALI (mm)				
PROFONDITA (m.s.l.m.)	EST	NORD	RISULTANTE	AZIMUT
38,7	-3,094	4,417	5,393	324,992
37,7	-3,180	4,135	5,217	322,441
36,7	-3,397	4,074	5,304	320,179
35,7	-3,474	4,034	5,324	319,272
34,7	-3,448	3,835	5,157	318,044
33,7	-3,618	3,570	5,083	314,615
32,7	-3,697	3,490	5,084	313,351
31,7	-3,868	3,519	5,229	312,299
30,7	-3,806	3,824	5,395	315,129
29,7	-3,728	3,984	5,456	316,905
28,7	-3,542	3,875	5,250	317,567
27,7	-3,404	3,637	4,981	316,894
26,7	-3,044	3,575	4,696	319,590
25,7	-2,749	3,274	4,275	319,980
24,7	-2,639	2,980	3,980	318,477
23,7	-2,333	2,530	3,441	317,321
22,7	-1,792	2,051	2,724	318,867
21,7	-1,353	1,575	2,076	319,320
20,7	-0,782	1,132	1,376	325,352
19,7	-0,381	0,595	0,706	327,334

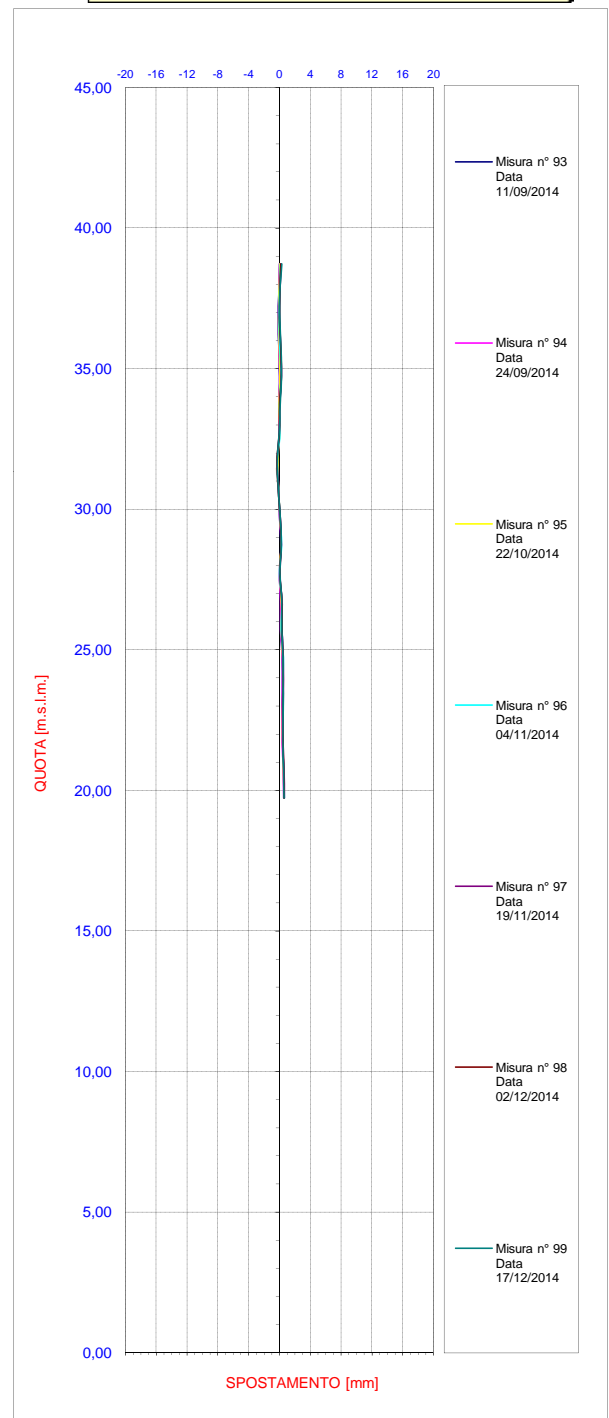
Ubicazione **STAZIONE CHIAIA**
 Tipo Strumento **Tubo inclinometrico**
 Nome tubo **CH_IN_P13**
 Azimut di riferimento **318**
 Quota guida rif. (m.s.l.m.) **39,23**
 Data lettura di zero **22/12/2010**
 Data posa in opera **06/12/2010**

Ultima Misura **99** in data **17/12/2014 10:51**

Spostamenti Differenziali Locali
OVEST- (valori negativi) / EST + (valori positivi)

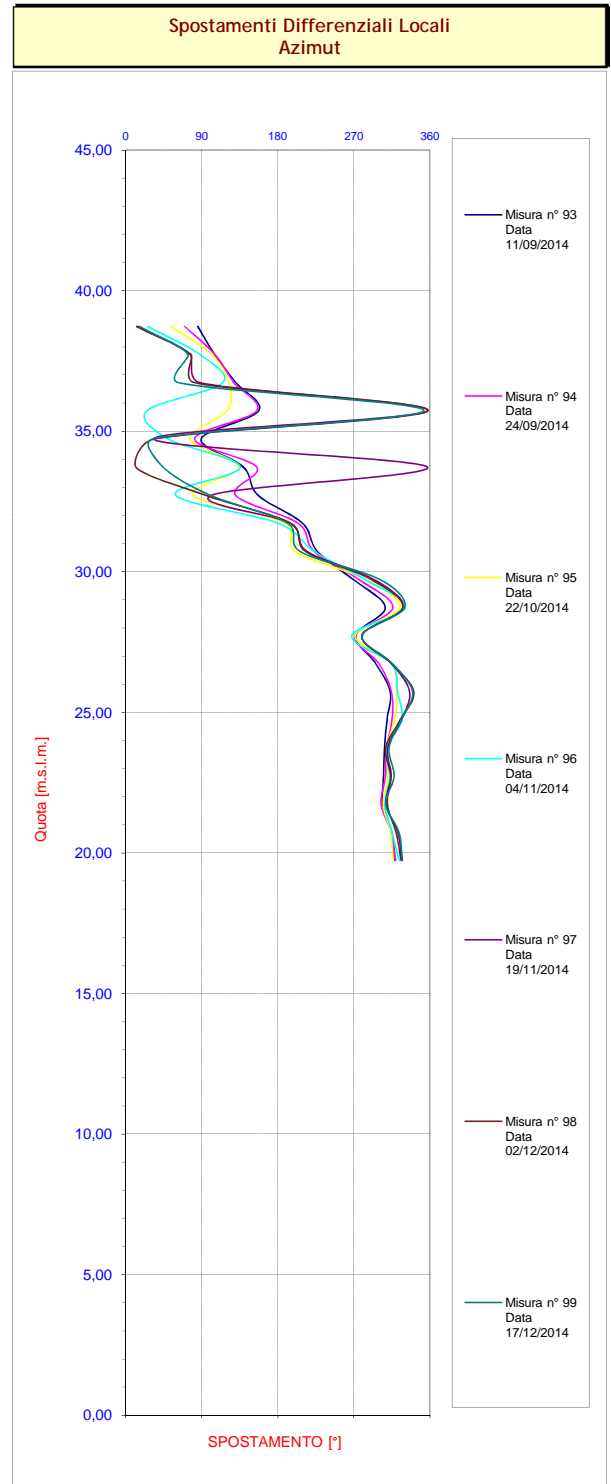
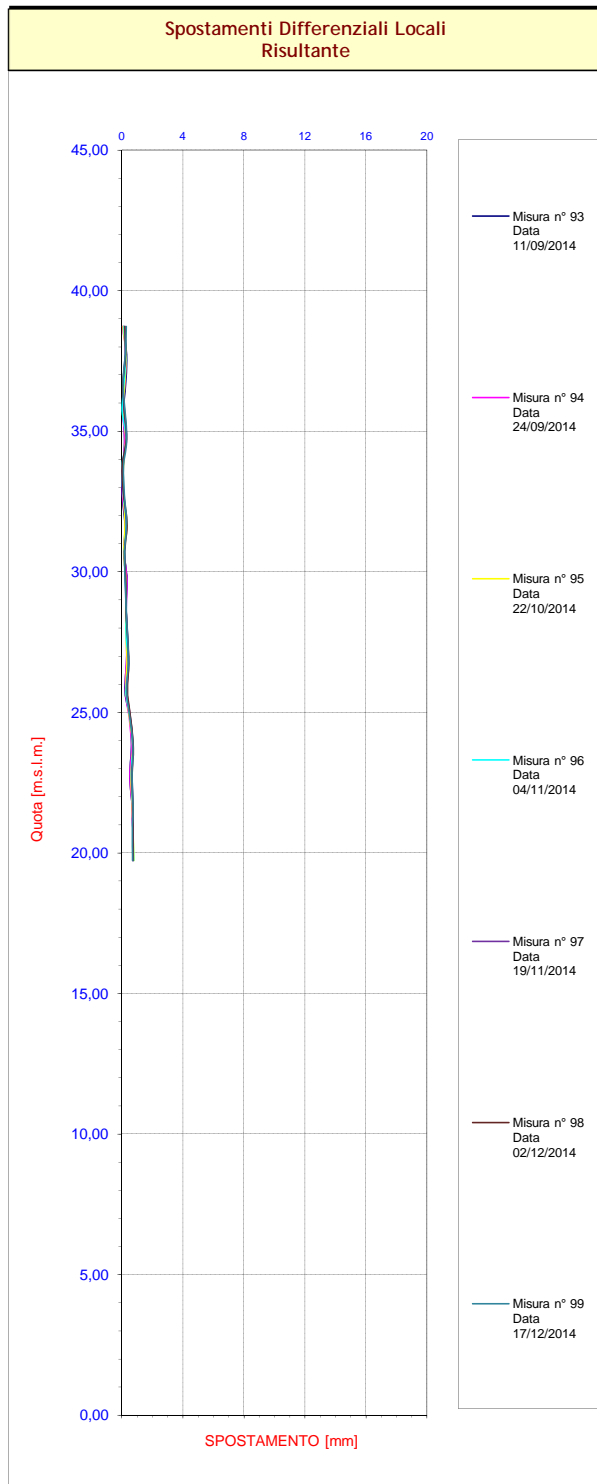


Spostamenti Differenziali Locali
SUD - (valori negativi) / NORD + (valori positivi)



Ubicazione **STAZIONE CHIAIA**
 Tipo Strumento **Tubo inclinometrico**
 Nome tubo **CH_IN_P13**
 Azimut di riferimento **318**
 Quota guida rif. (m.s.l.m.) **39,23**
 Data lettura di zero **22/12/2010**
 Data posa in opera **06/12/2010**

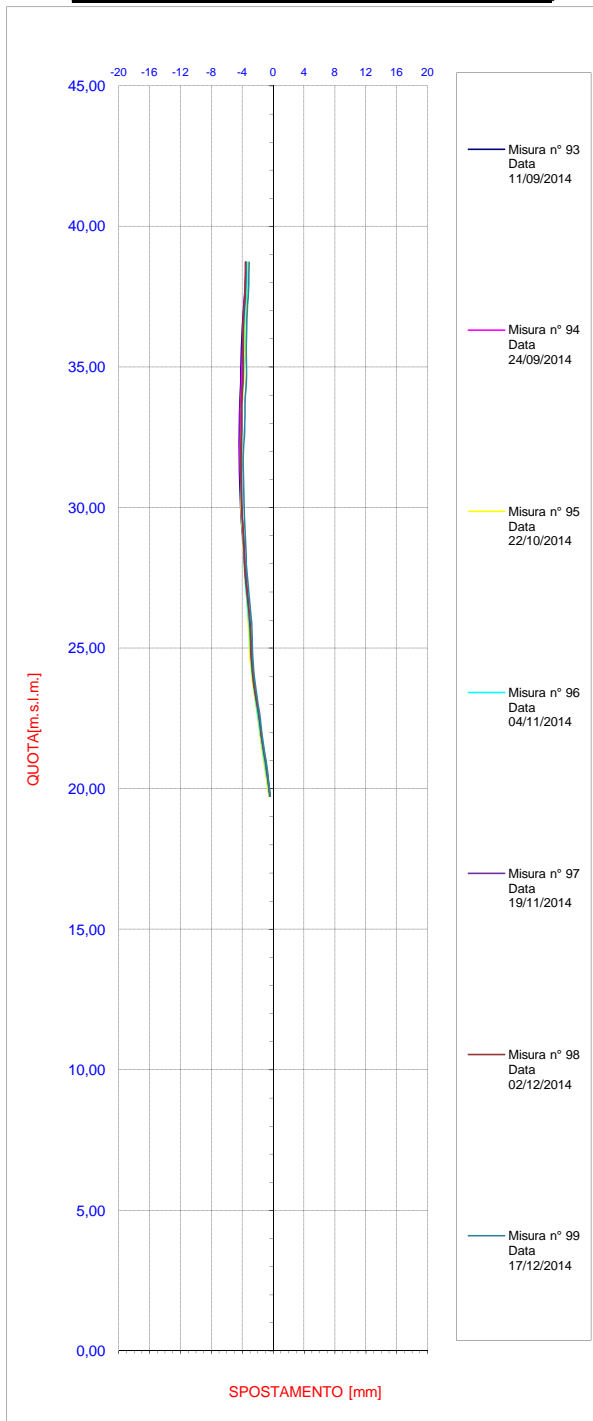
Ultima Misura **99** in data **17/12/2014 10:51**



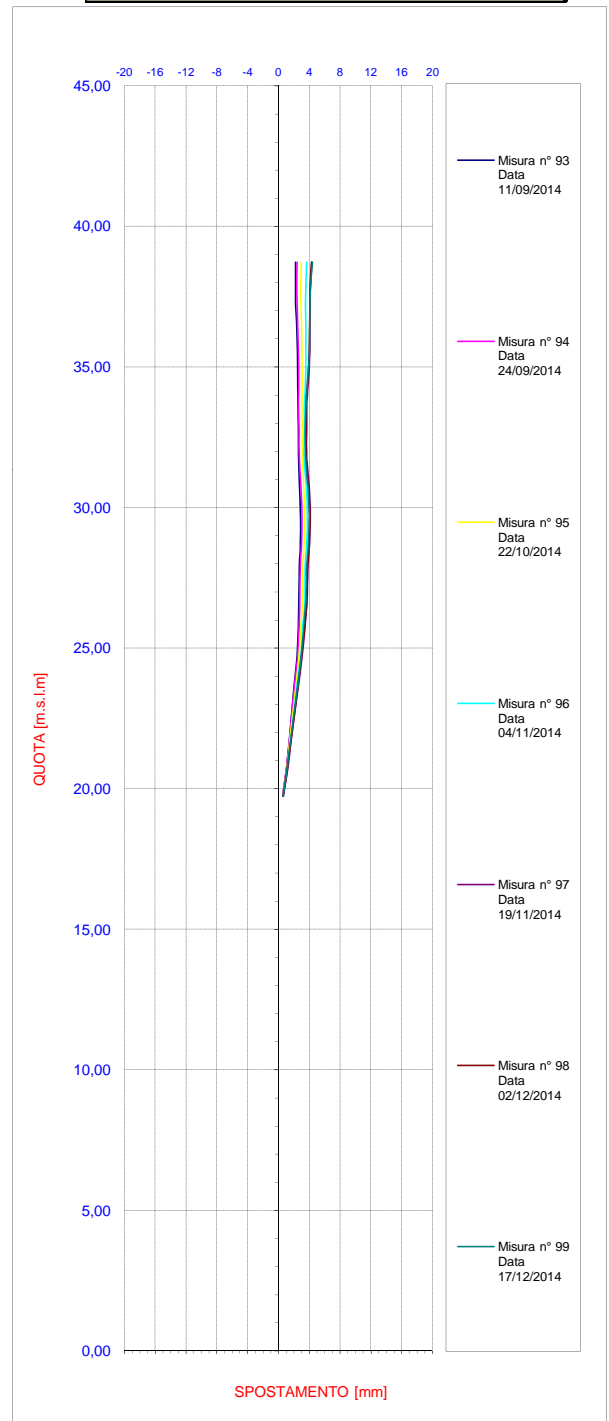
Ubicazione **STAZIONE CHIAIA**
 Tipo Strumento **Tubo inclinometrico**
 Nome tubo **CH_IN_P13**
 Azimut di riferimento **318**
 Quota guida rif. (m.s.l.m.) **39,23**
 Data lettura di zero **22/12/2010**
 Data posa in opera **06/12/2010**

Ultima Misura **99** in data **17/12/2014 10:51**

Spostamenti Differenziali Integrali
OVEST- (valori negativi) / EST + (valori positivi)



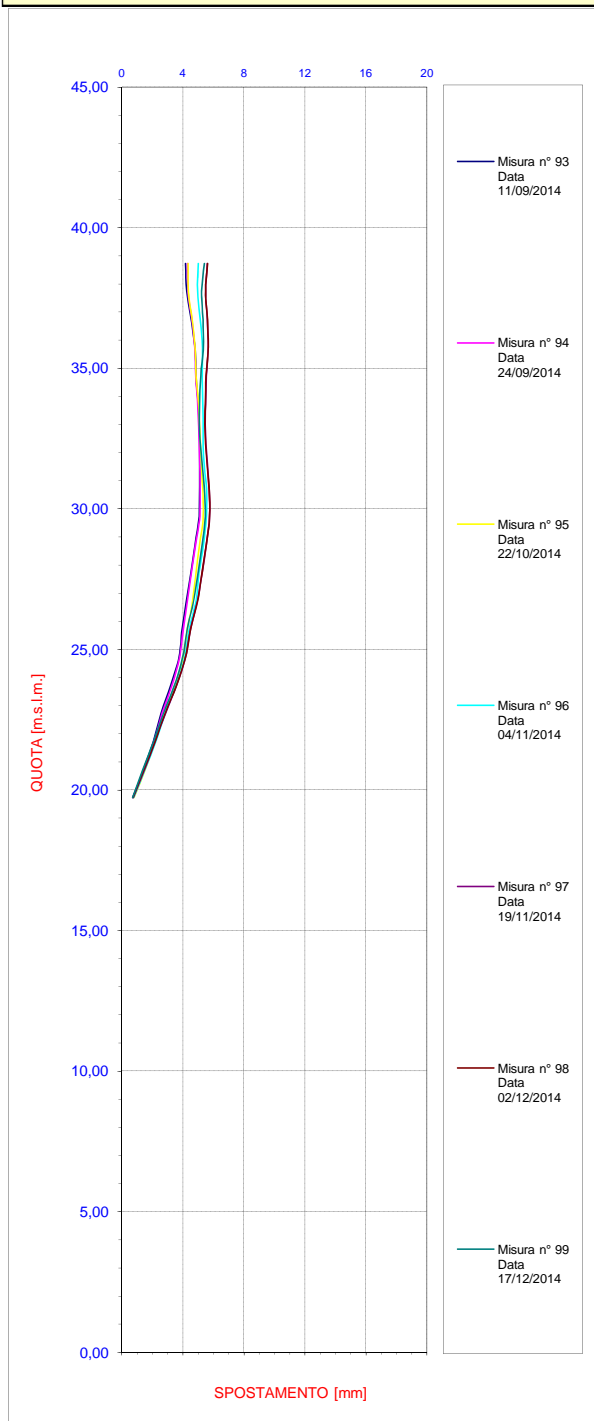
Spostamenti Differenziali Integrali
SUD - (valori negativi) / NORD + (valori positivi)



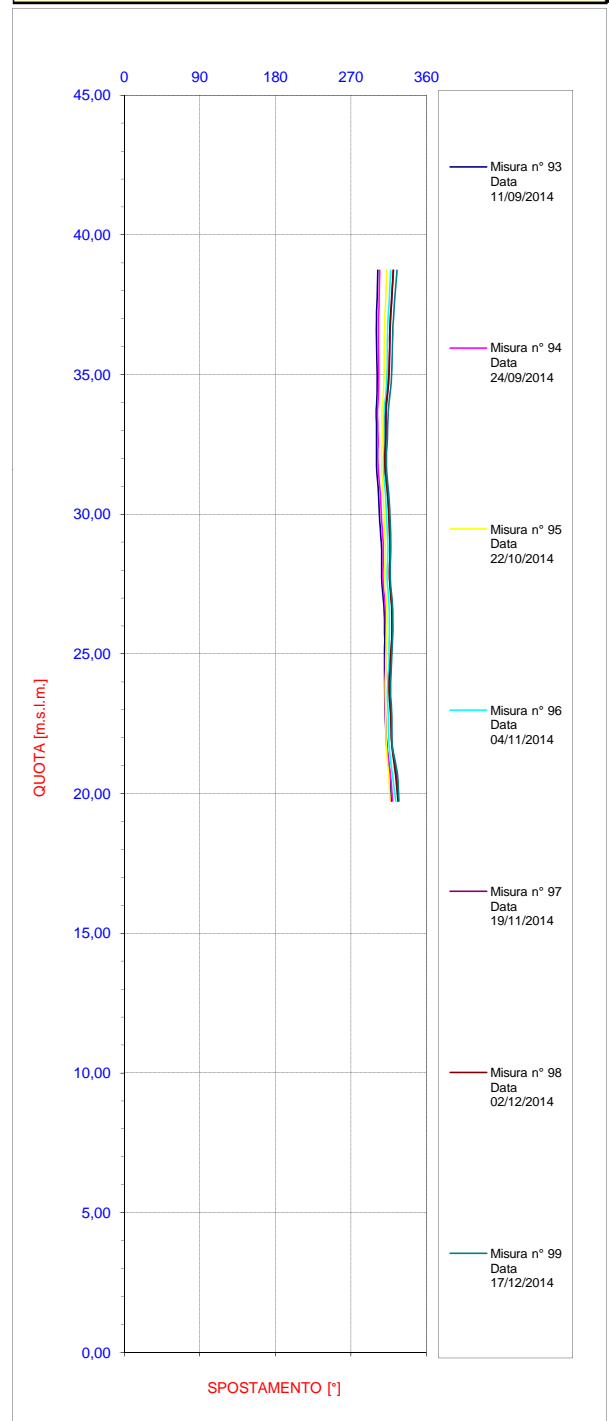
Ubicazione **STAZIONE CHIAIA**
 Tipo Strumento **Tubo inclinometrico**
 Nome tubo **CH_IN_P13**
 Azimut di riferimento **318**
 Quota guida rif. (m.s.l.m.) **39,23**
 Data lettura di zero **22/12/2010**
 Data posa in opera **06/12/2010**

Ultima Misura **99** in data **17/12/2014 10:51**

Spostamenti Differenziali Integrali Risultante



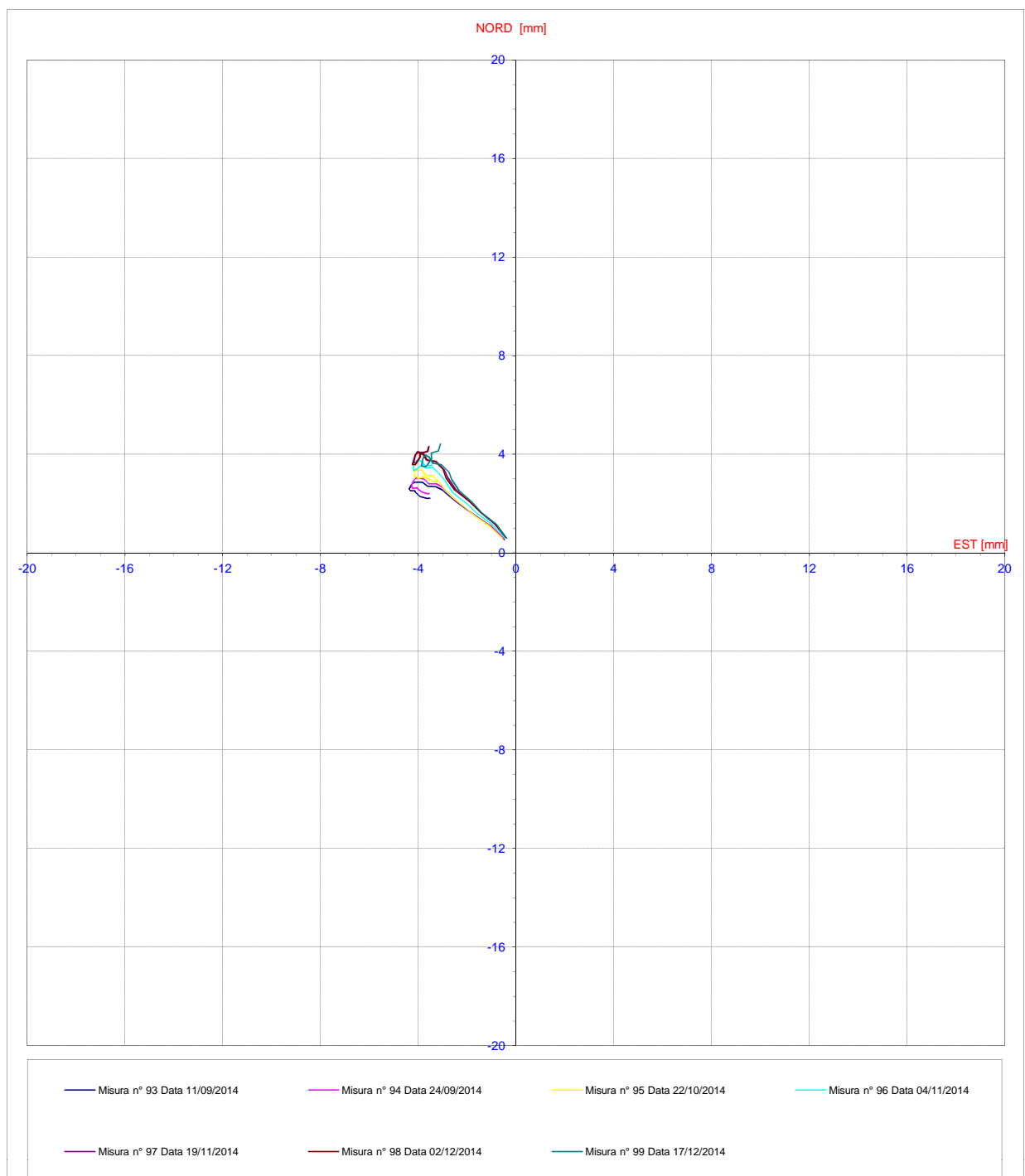
Spostamenti Differenziali Integrali Azimut



Ubicazione STAZIONE CHIAIA
 Tipo Strumento Tubo inclinometrico
 Nome tubo CH_IN_P13
 Azimut di riferimento 318
 Quota guida rif. (m.s.l.m.) 39,23
 Data lettura di zero 22/12/2010
 Data posa in opera 06/12/2010

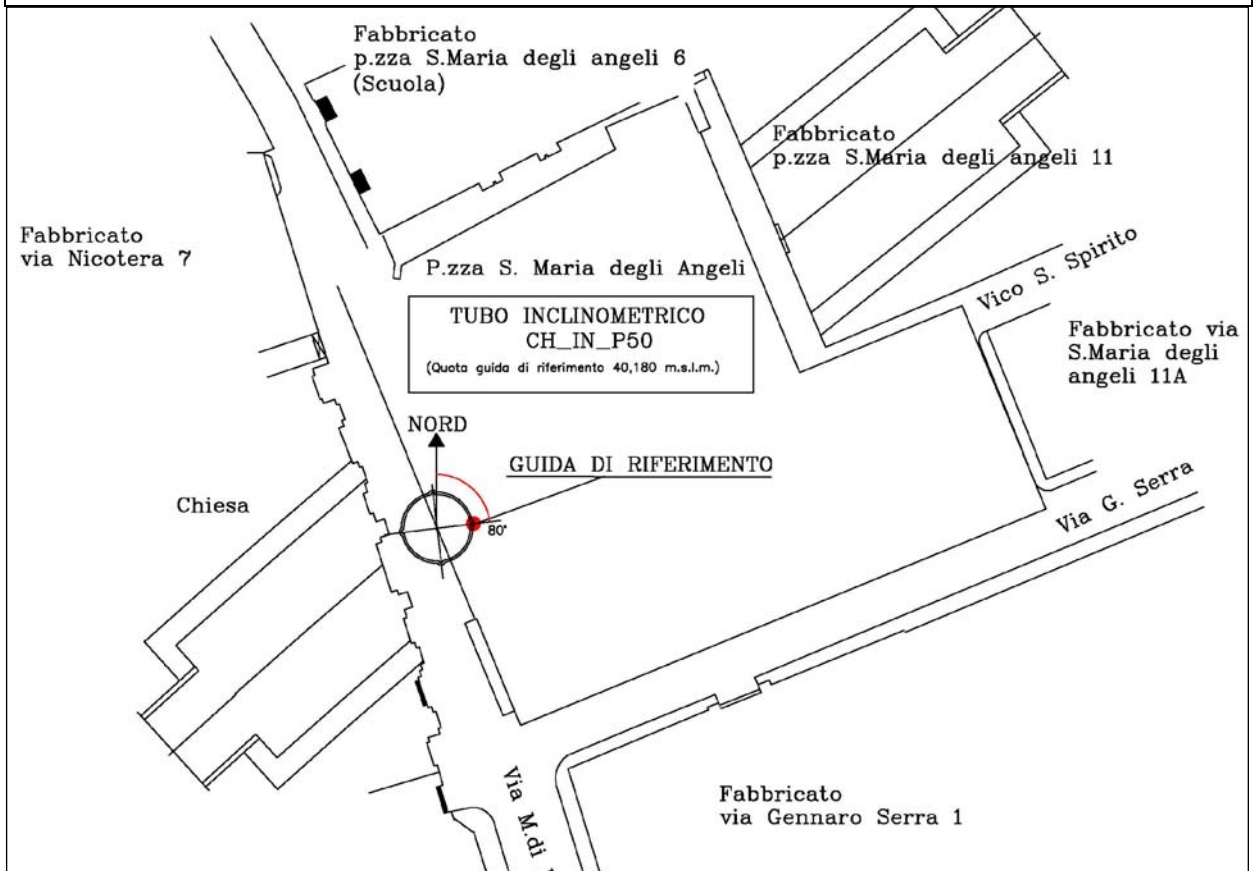
Ultima Misura 99 in data 17/12/2014 10:51

Spostamenti Differenziali Integrali
Diagramma polare



Inclinometro

CH_IN_P50



Affidabilità strumentale
A.T.I. LM6 – TreEsse

buono
da rivedere
da scartare

X

Congruenza progettuale
C.T. ATI LM6 – C.T. Monitoraggio

congruente
non congruente, da valutare
non congruente con implicazioni sulla
sicurezza

NOTE

Ubicazione **STAZIONE CHIAIA**
 Tipo Strumento **Tubo inclinometrico**
 Nome tubo **CH_IN_P50**
 Azimut di riferimento **80**
 Quota guida rif. (m.s.l.m.) **40,18**
 Data lettura di zero **21/01/2011**
 Data posa in opera **21/12/2010**

Misura **104** in data **17/12/2014 09:59**

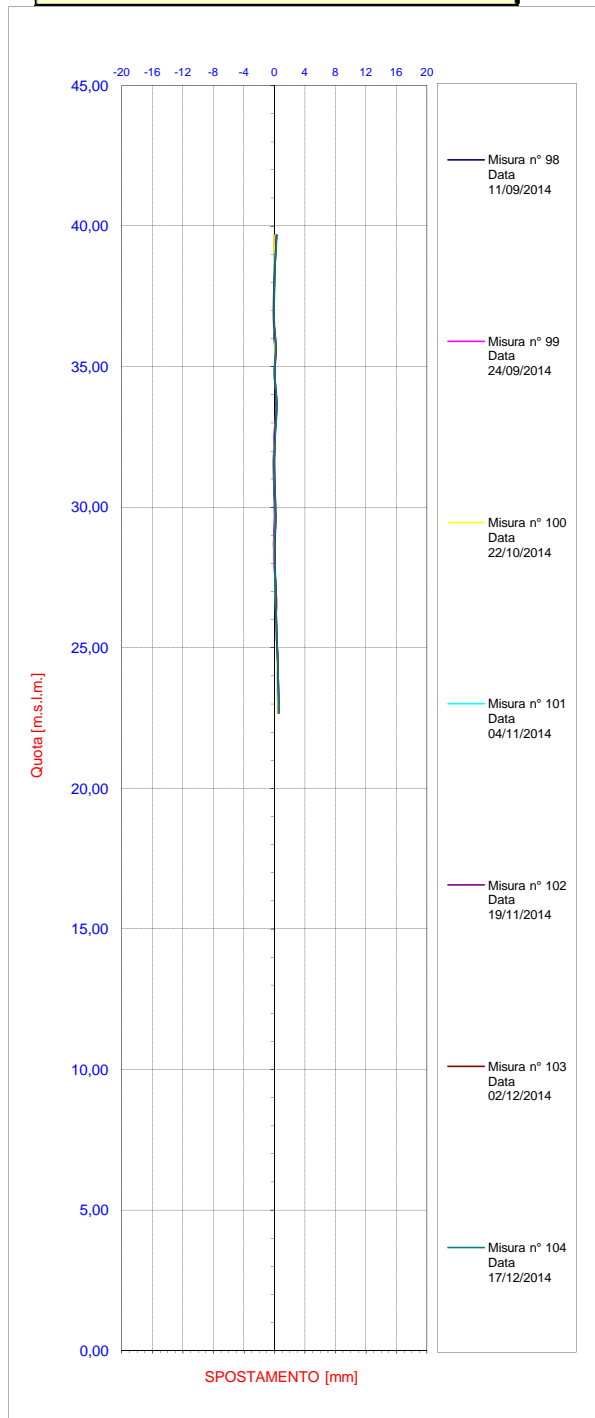
SPOSTAMENTI LOCALI (mm)				
PROFONDITA (m.s.l.m.)	EST	NORD	RISULTANTE	AZIMUT
39,7	0,295	-0,290	0,413	134,489
38,7	0,086	-0,487	0,495	169,968
37,7	-0,022	-0,206	0,207	186,157
36,7	-0,061	-0,223	0,231	195,408
35,7	0,180	-0,237	0,297	142,693
34,7	0,021	-0,072	0,075	164,017
33,7	0,296	-0,110	0,315	110,352
32,7	0,128	0,054	0,139	66,932
31,7	-0,025	-0,125	0,127	191,185
30,7	0,035	-0,058	0,068	149,293
29,7	0,159	-0,040	0,164	104,200
28,7	0,012	-0,239	0,239	177,092
27,7	0,074	0,100	0,124	36,628
26,7	0,165	-0,095	0,191	119,910
25,7	0,255	0,061	0,262	76,558
24,7	0,423	-0,151	0,449	109,613
23,7	0,519	-0,099	0,528	100,771
22,7	0,548	-0,228	0,594	112,623

SPOSTAMENTI INTEGRALI (mm)				
PROFONDITA (m.s.l.m.)	EST	NORD	RISULTANTE	AZIMUT
39,7	3,087	-2,443	3,937	128,359
38,7	2,792	-2,153	3,526	127,642
37,7	2,706	-1,666	3,178	121,625
36,7	2,728	-1,461	3,095	118,167
35,7	2,789	-1,238	3,052	113,937
34,7	2,609	-1,002	2,795	111,002
33,7	2,589	-0,930	2,750	109,757
32,7	2,293	-0,820	2,435	109,680
31,7	2,165	-0,874	2,335	111,990
30,7	2,190	-0,750	2,315	108,894
29,7	2,155	-0,691	2,263	107,781
28,7	1,997	-0,651	2,100	108,060
27,7	1,984	-0,412	2,027	101,734
26,7	1,910	-0,512	1,978	105,005
25,7	1,745	-0,417	1,794	103,440
24,7	1,490	-0,478	1,565	107,781
23,7	1,067	-0,327	1,116	107,045
22,7	0,548	-0,228	0,594	112,623

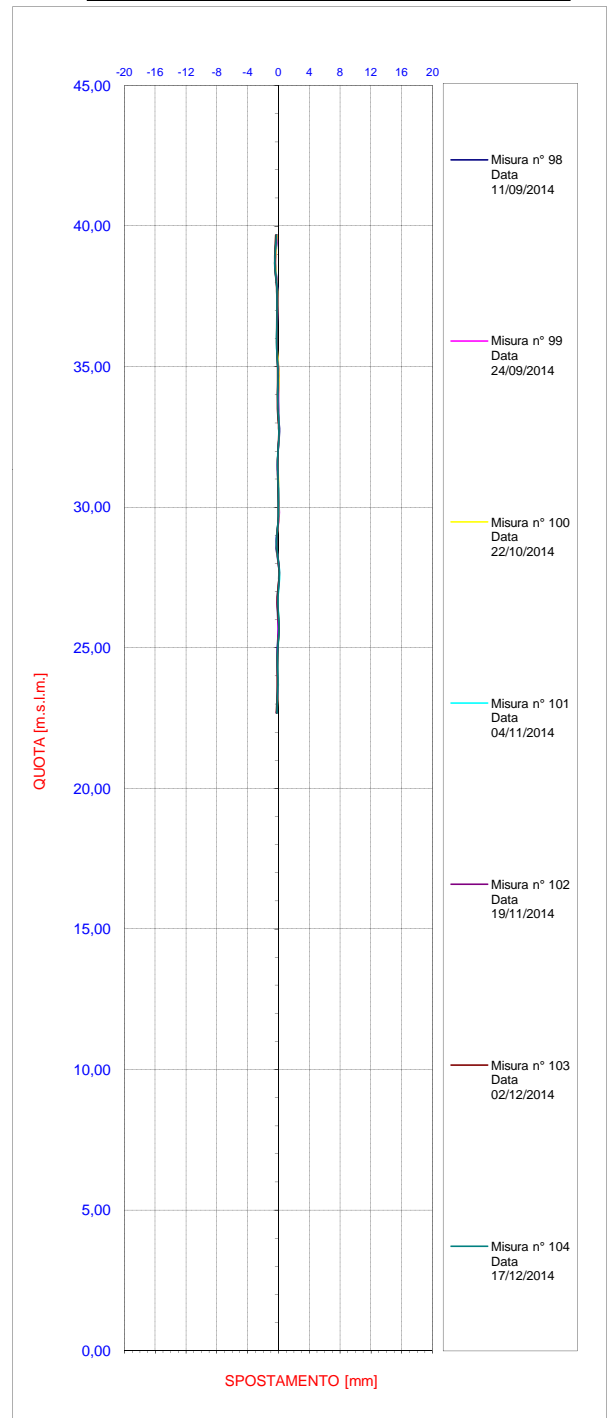
Ubicazione **STAZIONE CHIAIA**
 Tipo Strumento **Tubo inclinometrico**
 Nome tubo **CH_IN_P50**
 Azimut di riferimento **80**
 Quota guida rif. (m.s.l.m.) **40,18**
 Data lettura di zero **21/01/2011**
 Data posa in opera **21/12/2010**

Ultima Misura **104** in data **17/12/2014 09:59**

**Spostamenti Differenziali Locali
OVEST- (valori negativi) / EST + (valori positivi)**

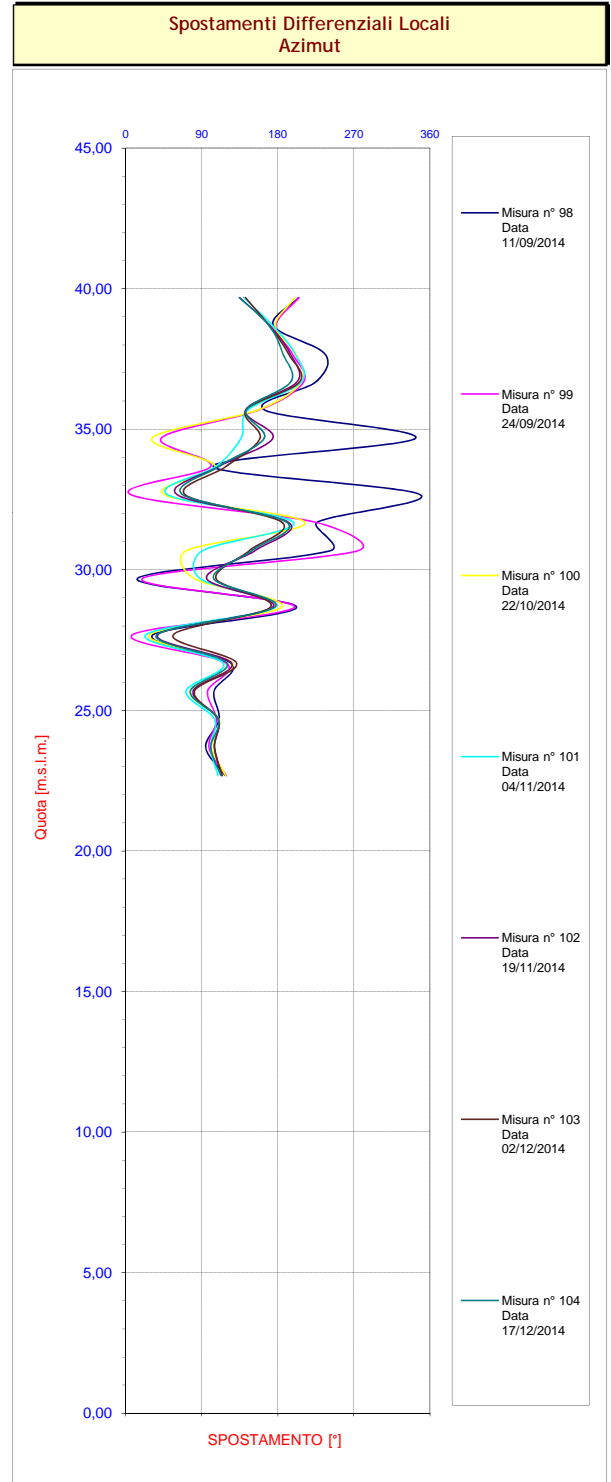
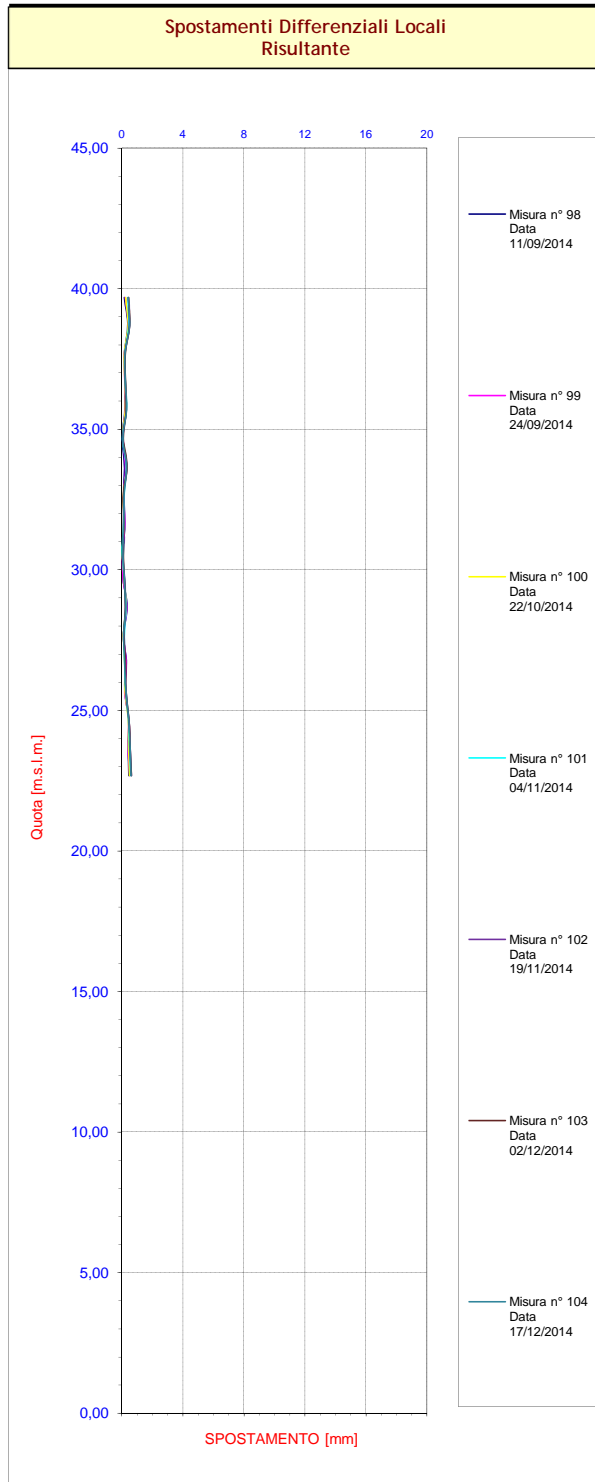


**Spostamenti Differenziali Locali
SUD - (valori negativi) / NORD + (valori positivi)**



Ubicazione **STAZIONE CHIAIA**
 Tipo Strumento **Tubo inclinometrico**
 Nome tubo **CH_IN_P50**
 Azimut di riferimento **80**
 Quota guida rif. (m.s.l.m.) **40,18**
 Data lettura di zero **21/01/2011**
 Data posa in opera **21/12/2010**

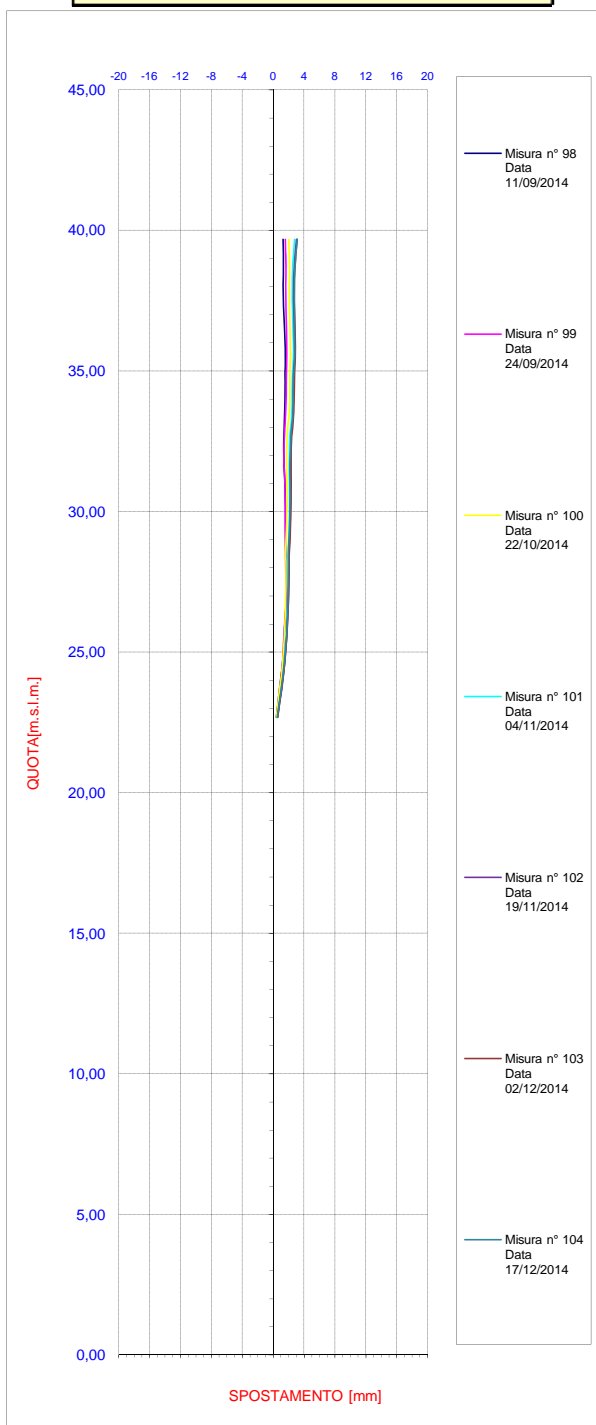
Ultima Misura **104** in data **17/12/2014 09:59**



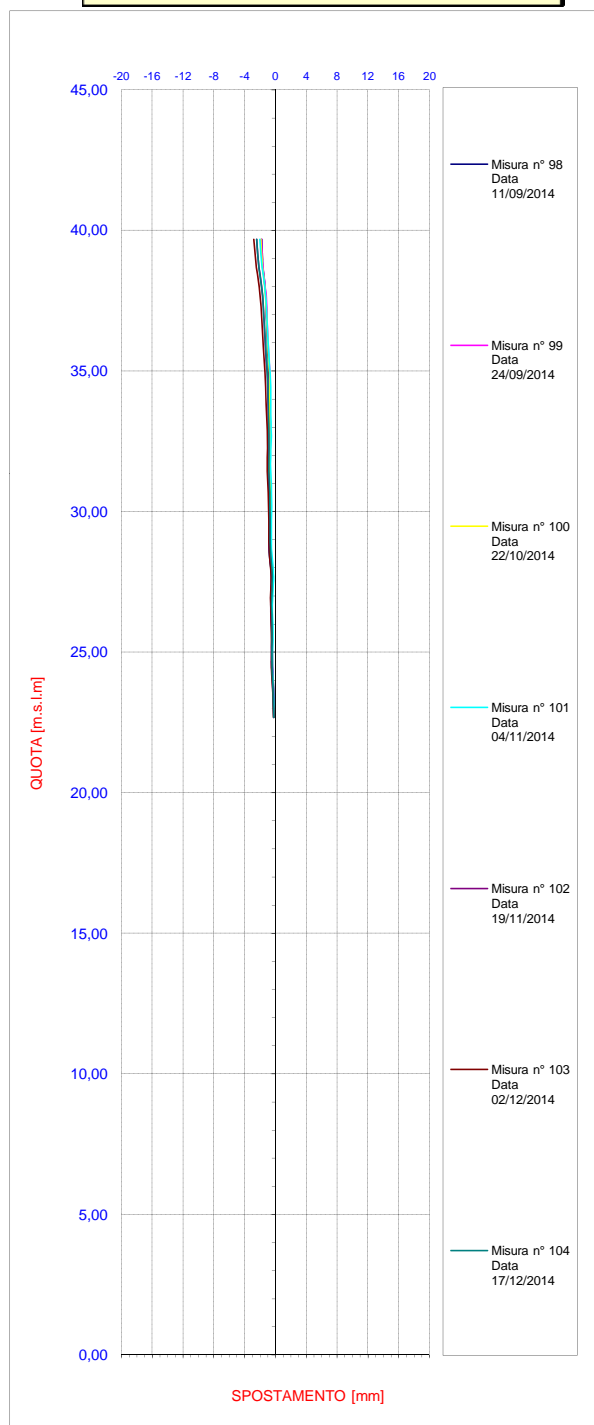
Ubicazione **STAZIONE CHIAIA**
 Tipo Strumento **Tubo inclinometrico**
 Nome tubo **CH_IN_P50**
 Azimut di riferimento **80**
 Quota guida rif. (m.s.l.m.) **40,18**
 Data lettura di zero **21/01/2011**
 Data posa in opera **21/12/2010**

Ultima Misura **104** in data **17/12/2014 09:59**

Spostamenti Differenziali Integrali
OVEST- (valori negativi) / EST + (valori positivi)



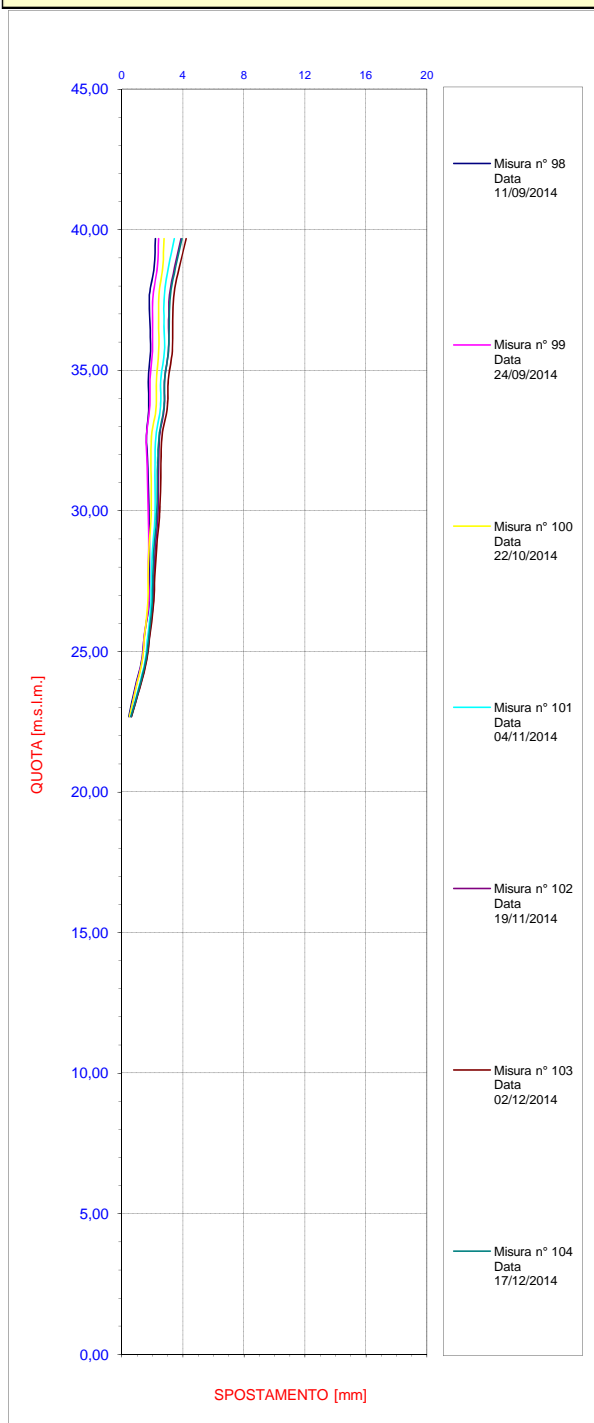
Spostamenti Differenziali Integrali
SUD - (valori negativi) / NORD + (valori positivi)



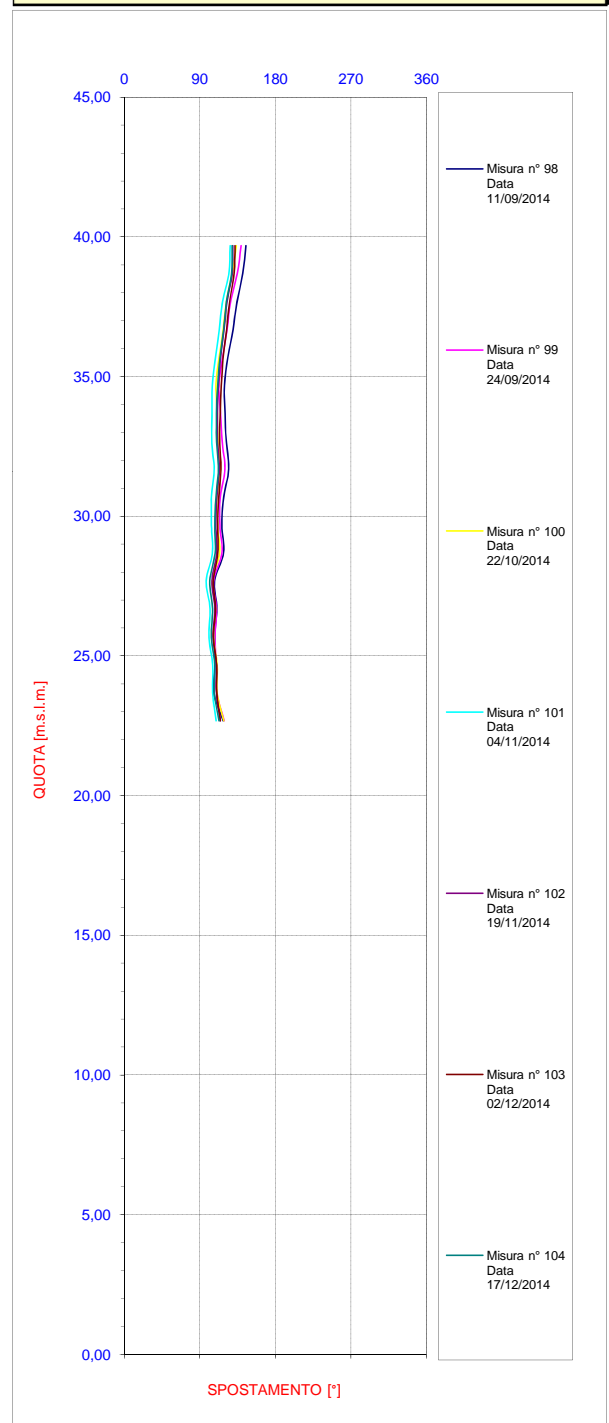
Ubicazione **STAZIONE CHIAIA**
 Tipo Strumento **Tubo inclinometrico**
 Nome tubo **CH_IN_P50**
 Azimut di riferimento **80**
 Quota guida rif. (m.s.l.m.) **40,18**
 Data lettura di zero **21/01/2011**
 Data posa in opera **21/12/2010**

Ultima Misura **104** in data **17/12/2014 09:59**

Spostamenti Differenziali Integrali Risultante



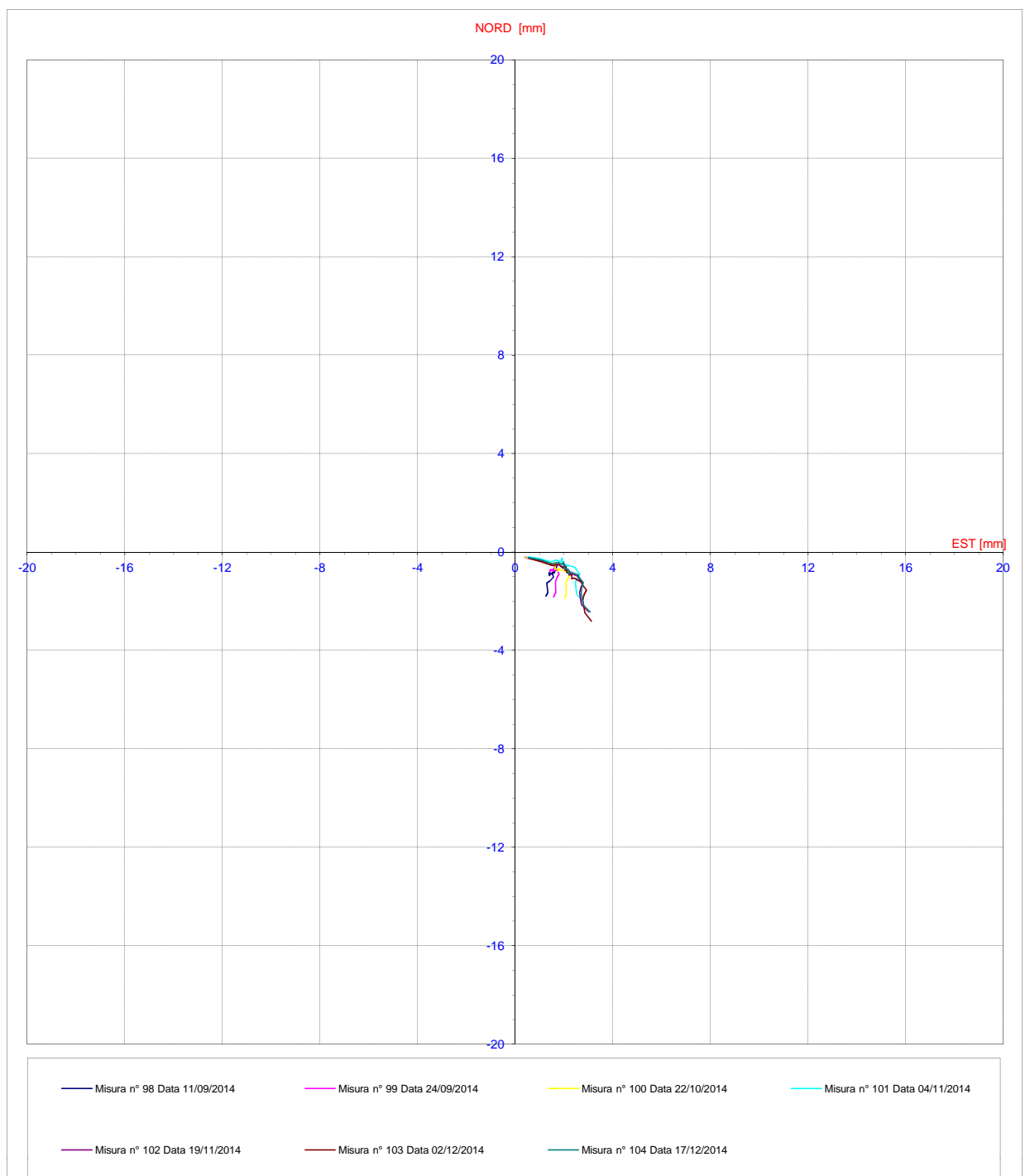
Spostamenti Differenziali Integrali Azimut



Ubicazione STAZIONE CHIAIA
Tipo Strumento Tubo inclinometrico
Nome tubo CH_IN_P50
Azimut di riferimento 80
Quota guida rif. (m.s.l.m.) 40,18
Data lettura di zero 21/01/2011
Data posa in opera 21/12/2010

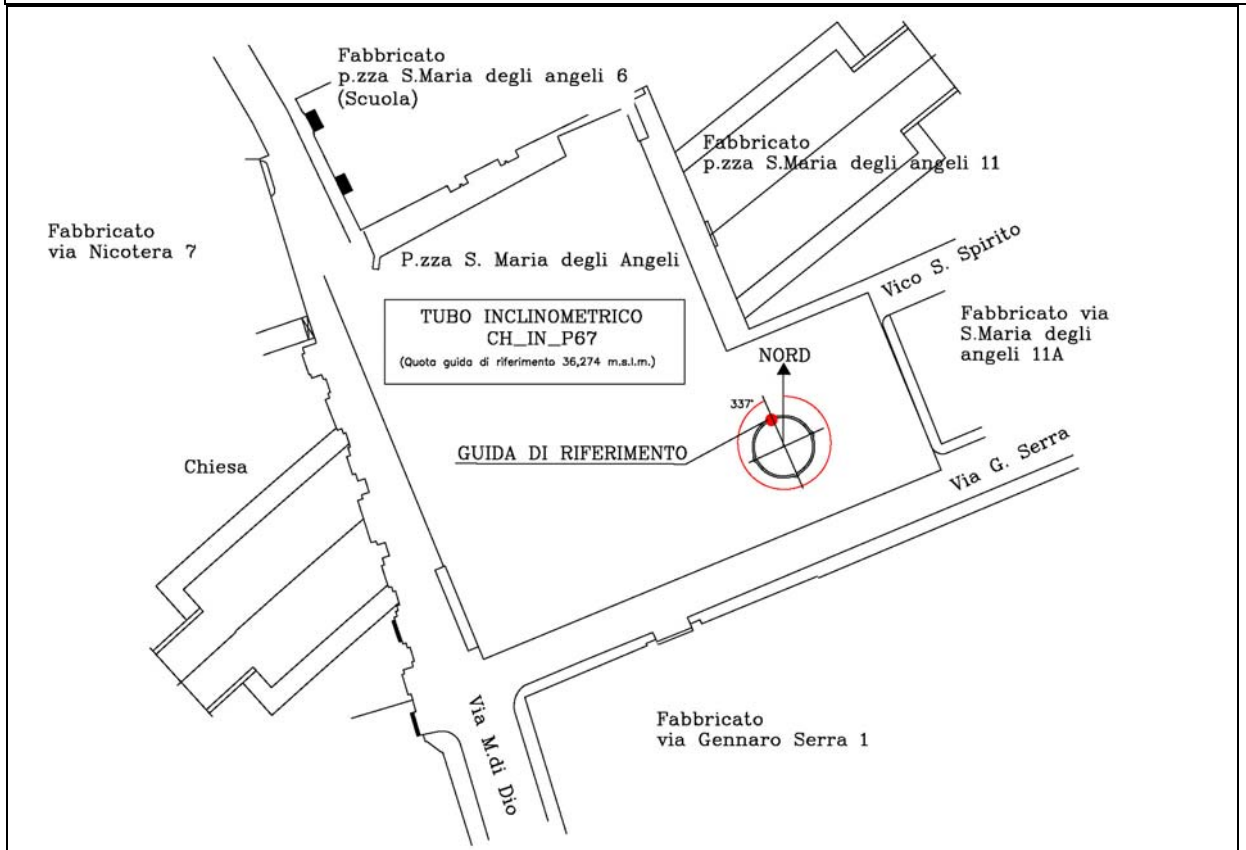
Ultima Misura 104 in data 17/12/2014 09:59

Spostamenti Differenziali Integrali
Diagramma polare



Inclinometro

CH_IN_P67



Affidabilità strumentale
A.T.I. LM6 – TreEsse

buono
da rivedere
da scartare

X

Congruenza progettuale
C.T. ATI LM6 – C.T. Monitoraggio

congruente
non congruente, da valutare
non congruente con implicazioni sulla
sicurezza

NOTE



MISURE INCLINOMETRICHE
ELABORAZIONE DA FONDO FORO
-TABULATI-

Ubicazione **STAZIONE CHIAIA**
 Tipo Strumento **Tubo inclinometrico**
 Nome tubo **CH_IN_P67**
 Azimut di riferimento **337**
 Quota guida rif. (m.s.l.m.) **36,274**
 Data lettura di zero **25/11/2009**
 Data posa in opera **18/11/2009**

Misura **156** in data **17/12/2014 12:03**

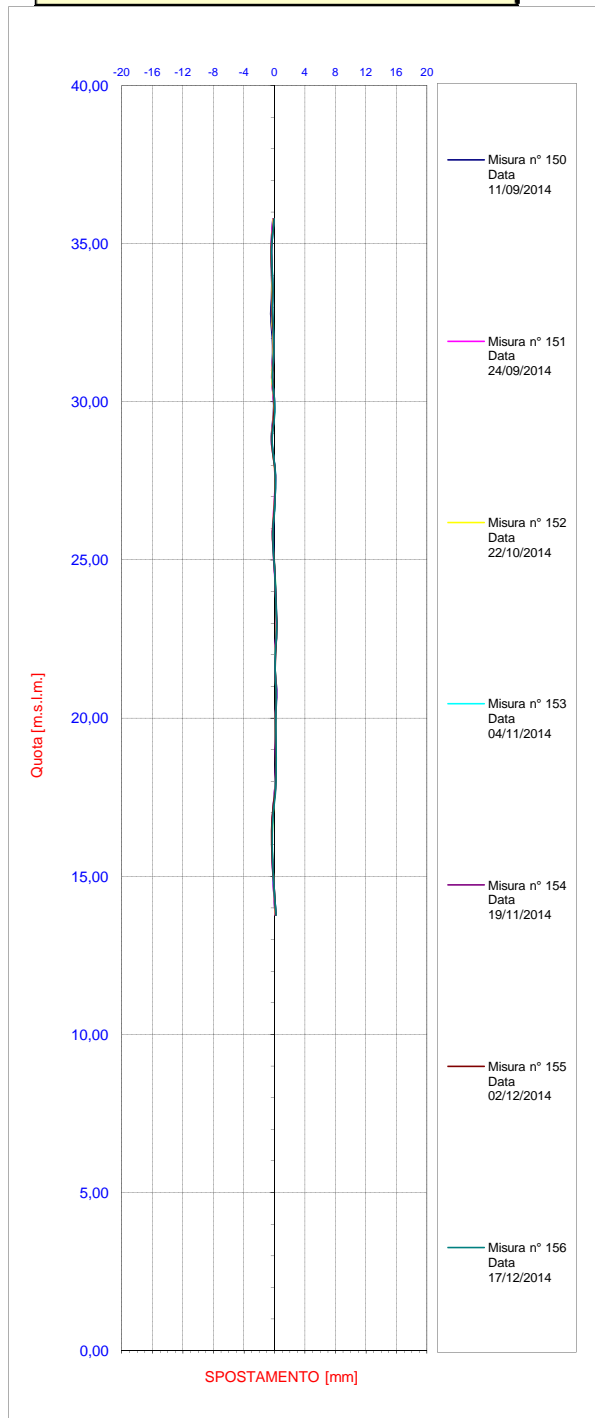
SPOSTAMENTI LOCALI (mm)				
PROFONDITA (m.s.l.m.)	EST	NORD	RISULTANTE	AZIMUT
35,8	-0,034	-0,079	0,086	203,142
34,8	-0,379	-0,131	0,401	250,970
33,8	-0,200	0,254	0,323	321,822
32,8	-0,225	0,093	0,243	292,385
31,8	-0,058	0,142	0,154	337,727
30,8	-0,253	-0,108	0,275	246,823
29,8	0,038	0,270	0,273	7,982
28,8	-0,299	-0,048	0,303	260,913
27,8	0,094	0,194	0,215	25,851
26,8	0,056	0,085	0,102	33,054
25,8	-0,215	0,541	0,582	338,271
24,8	-0,005	0,471	0,471	359,340
23,8	0,177	0,478	0,510	20,375
22,8	0,265	0,369	0,455	35,655
21,8	0,087	-0,312	0,324	164,462
20,8	0,185	0,193	0,267	43,779
19,8	0,172	0,510	0,538	18,665
18,8	0,213	0,268	0,342	38,474
17,8	0,157	0,106	0,190	56,012
16,8	-0,245	0,191	0,311	307,973
15,8	-0,285	0,133	0,315	295,047
14,8	-0,091	0,060	0,109	303,721
13,8	0,206	0,113	0,235	61,345

SPOSTAMENTI INTEGRALI (mm)				
PROFONDITA (m.s.l.m.)	EST	NORD	RISULTANTE	AZIMUT
35,8	-0,640	3,793	3,846	350,426
34,8	-0,606	3,872	3,919	351,107
33,8	-0,227	4,003	4,009	356,758
32,8	-0,027	3,748	3,749	359,589
31,8	0,198	3,656	3,661	3,098
30,8	0,256	3,514	3,523	4,169
29,8	0,509	3,622	3,658	8,002
28,8	0,471	3,352	3,385	8,003
27,8	0,770	3,400	3,486	12,762
26,8	0,676	3,206	3,276	11,909
25,8	0,621	3,121	3,182	11,248
24,8	0,836	2,580	2,712	17,954
23,8	0,841	2,109	2,271	21,750
22,8	0,664	1,631	1,761	22,147
21,8	0,399	1,262	1,324	17,546
20,8	0,312	1,574	1,605	11,215
19,8	0,127	1,382	1,387	5,271
18,8	-0,045	0,872	0,873	357,066
17,8	-0,258	0,604	0,657	336,890
16,8	-0,415	0,498	0,648	320,168
15,8	-0,170	0,306	0,350	330,975
14,8	0,115	0,173	0,208	33,700
13,8	0,206	0,113	0,235	61,345

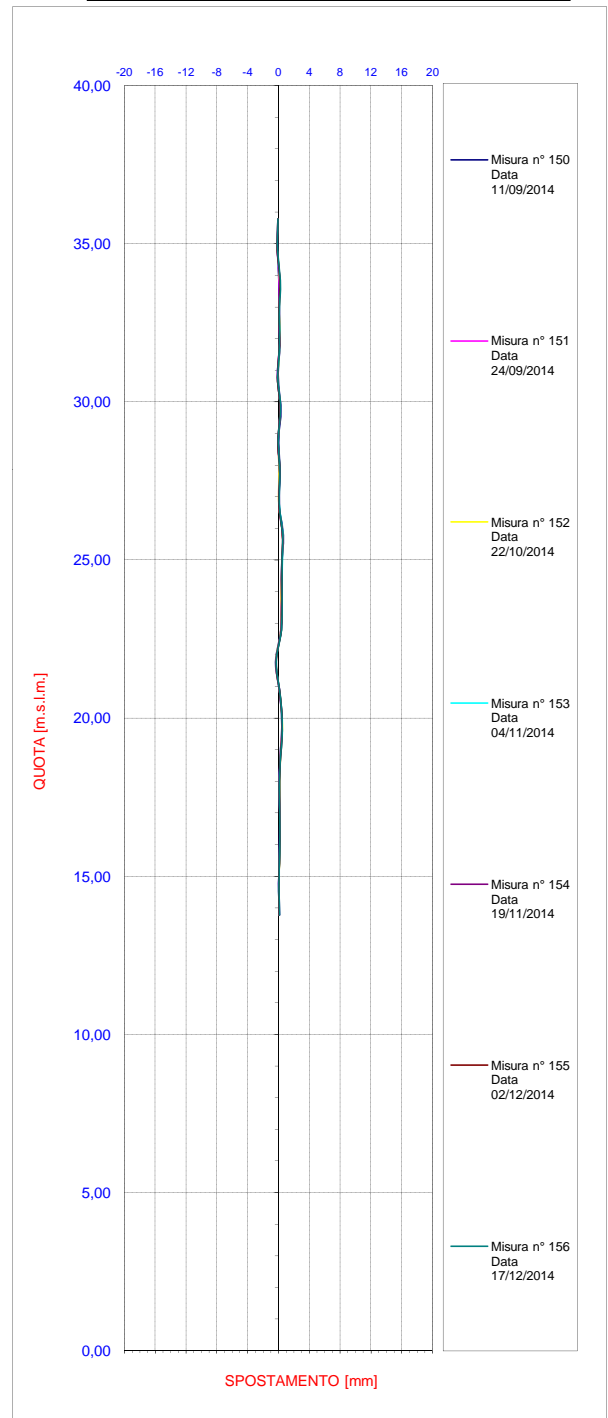
Ubicazione **STAZIONE CHIAIA**
 Tipo Strumento **Tubo inclinometrico**
 Nome tubo **CH_IN_P67**
 Azimut di riferimento **337**
 Quota guida rif. (m.s.l.m.) **36,274**
 Data lettura di zero **25/11/2009**
 Data posa in opera **18/11/2009**

Ultima Misura **156** in data **17/12/2014 12:03**

Spostamenti Differenziali Locali
OVEST- (valori negativi) / EST + (valori positivi)

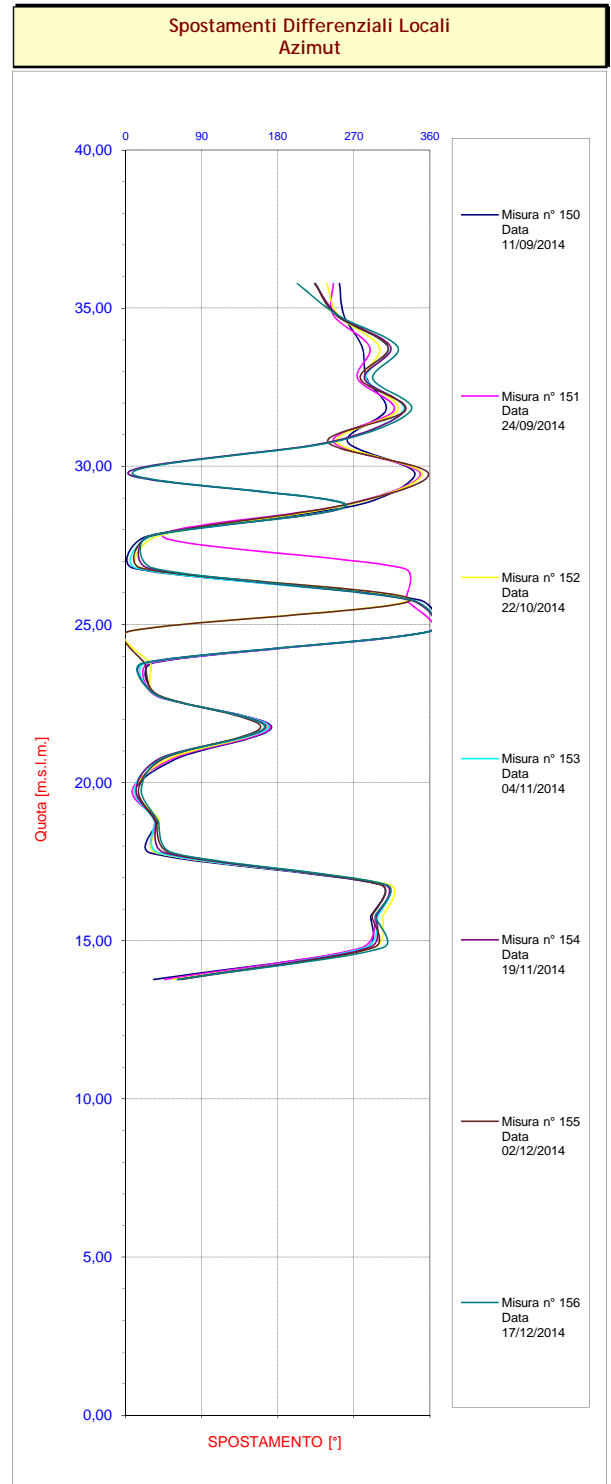
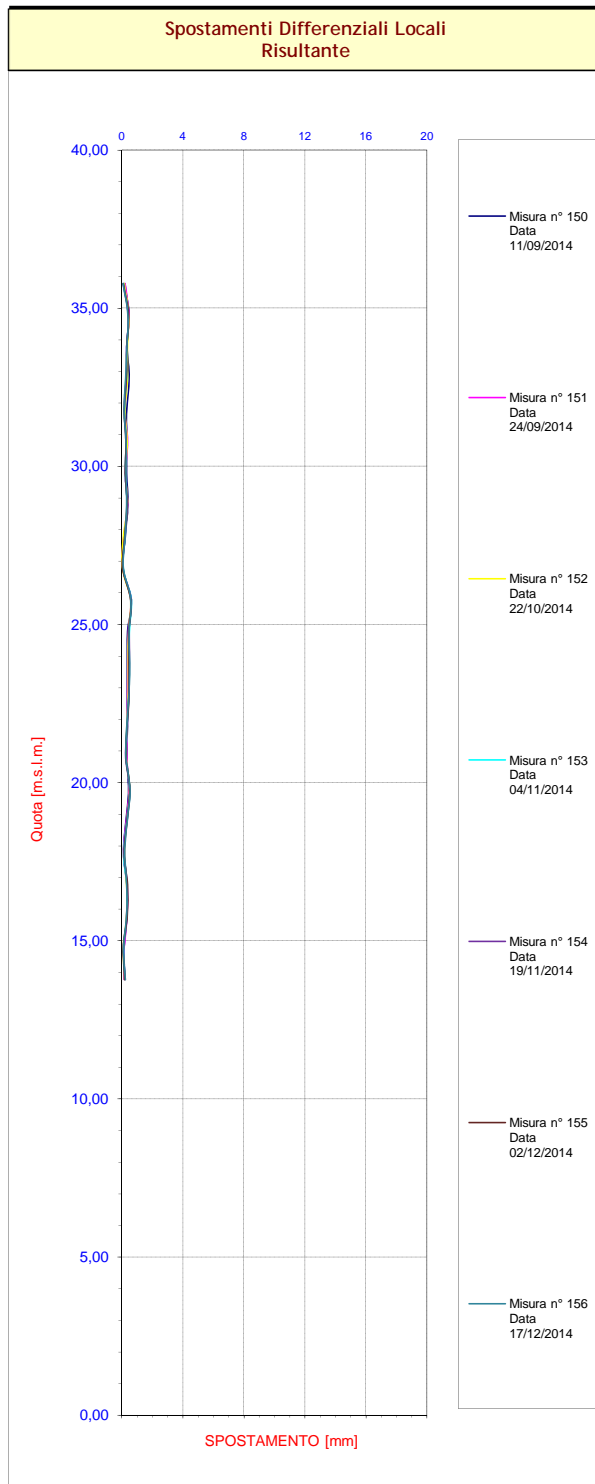


Spostamenti Differenziali Locali
SUD - (valori negativi) / NORD + (valori positivi)



Ubicazione **STAZIONE CHIAIA**
 Tipo Strumento **Tubo inclinometrico**
 Nome tubo **CH_IN_P67**
 Azimut di riferimento **337**
 Quota guida rif. (m.s.l.m.) **36,274**
 Data lettura di zero **25/11/2009**
 Data posa in opera **18/11/2009**

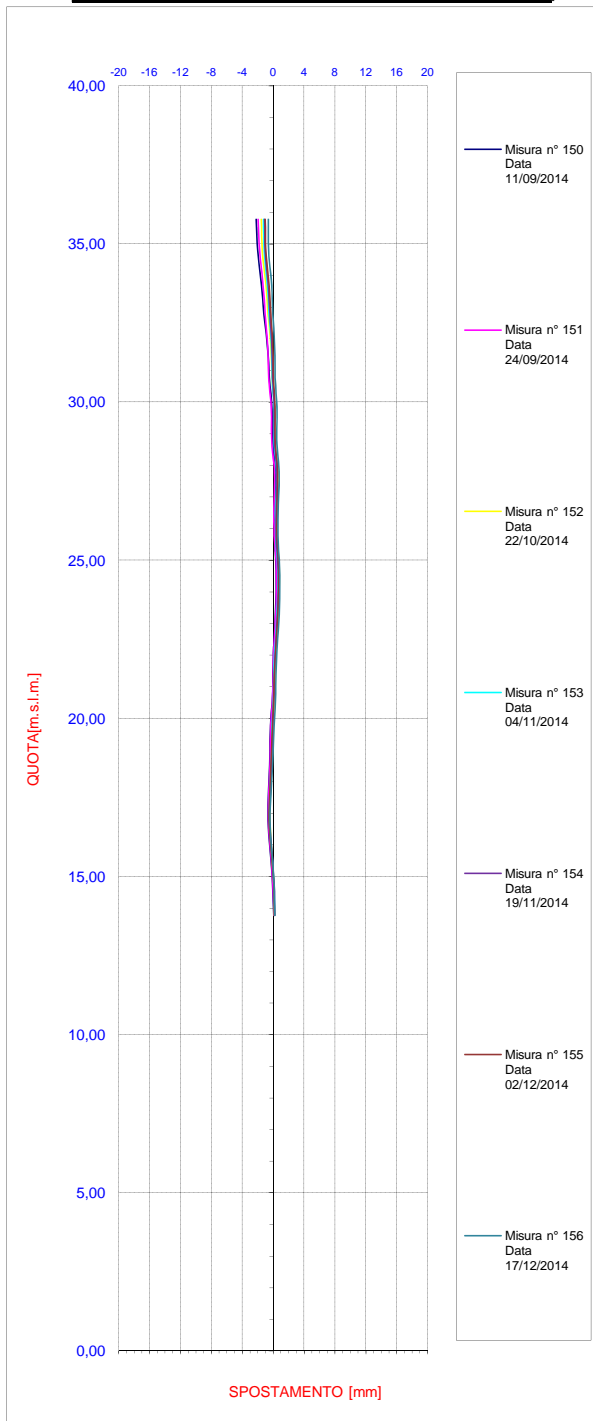
Ultima Misura **156** in data **17/12/2014 12:03**



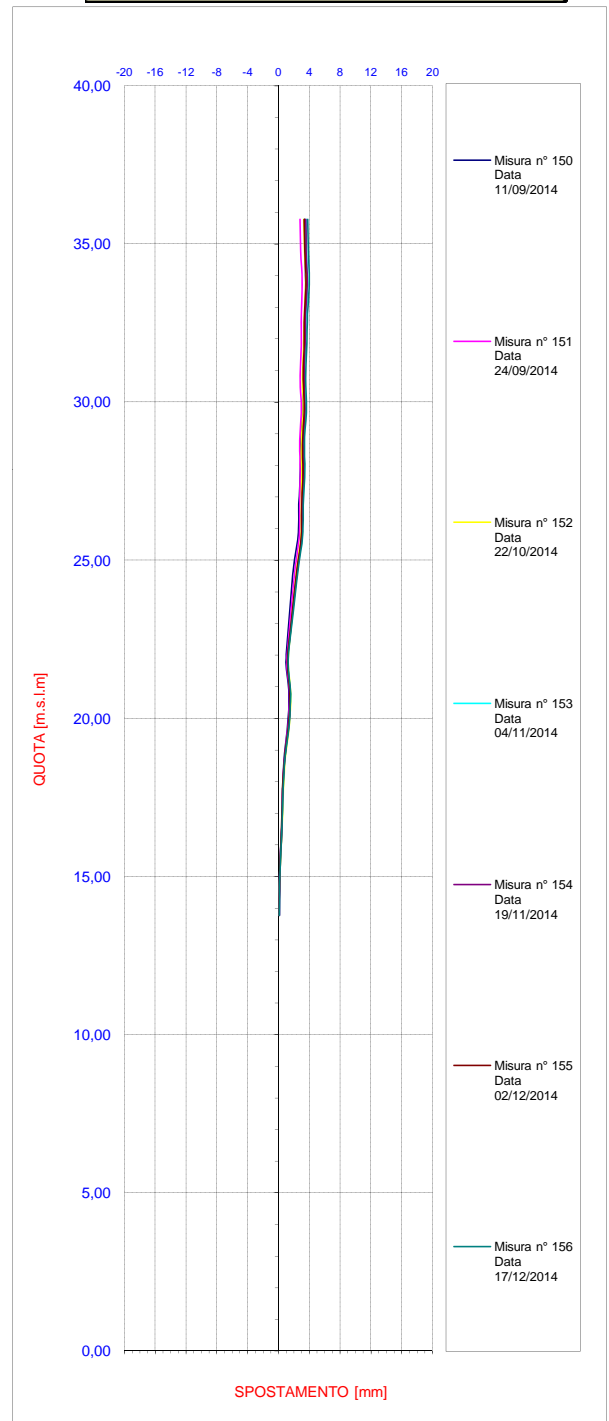
Ubicazione **STAZIONE CHIAIA**
 Tipo Strumento **Tubo inclinometrico**
 Nome tubo **CH_IN_P67**
 Azimut di riferimento **337**
 Quota guida rif. (m.s.l.m.) **36,274**
 Data lettura di zero **25/11/2009**
 Data posa in opera **18/11/2009**

Ultima Misura **156** in data **17/12/2014 12:03**

Spostamenti Differenziali Integrali
OVEST- (valori negativi) / EST + (valori positivi)



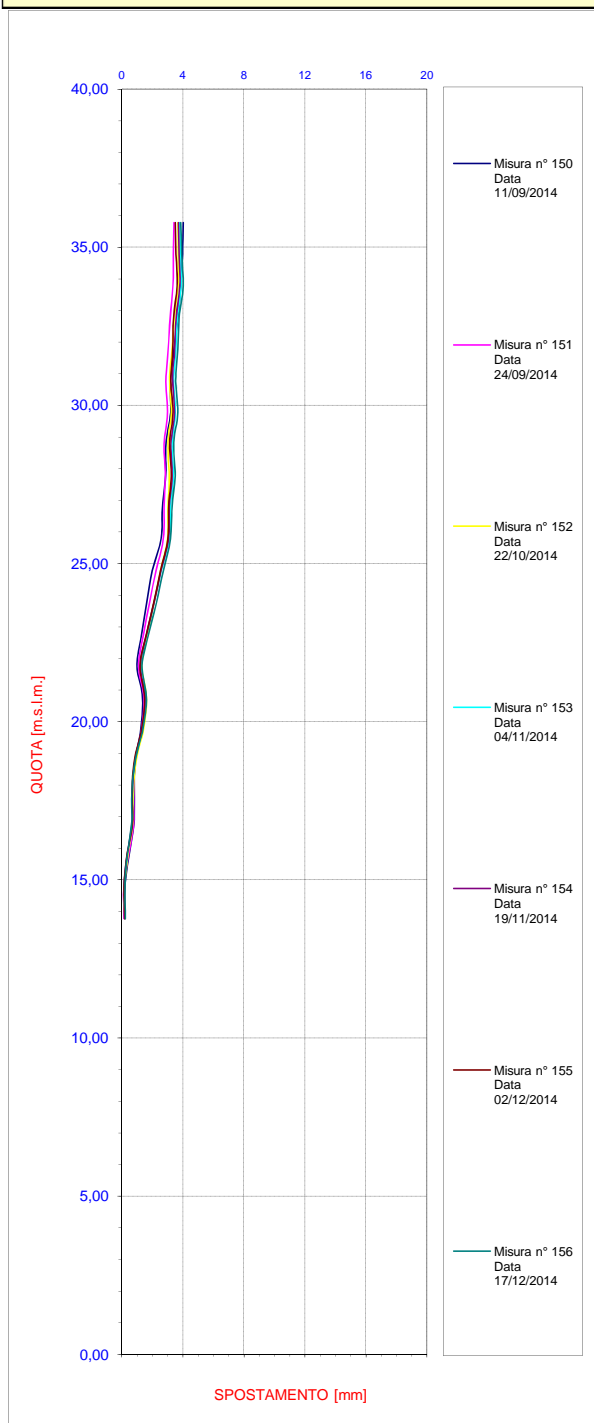
Spostamenti Differenziali Integrali
SUD - (valori negativi) / NORD + (valori positivi)



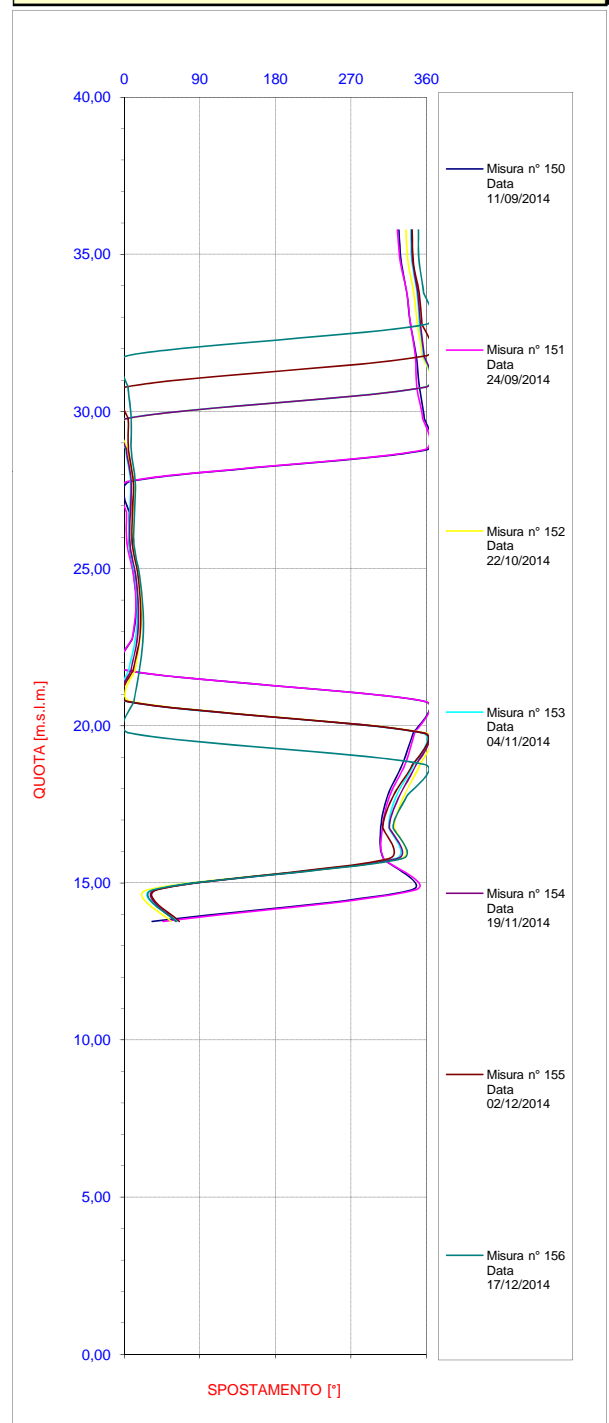
Ubicazione **STAZIONE CHIAIA**
 Tipo Strumento **Tubo inclinometrico**
 Nome tubo **CH_IN_P67**
 Azimut di riferimento **337**
 Quota guida rif. (m.s.l.m.) **36,274**
 Data lettura di zero **25/11/2009**
 Data posa in opera **18/11/2009**

Ultima Misura **156** in data **17/12/2014 12:03**

Spostamenti Differenziali Integrali Risultante



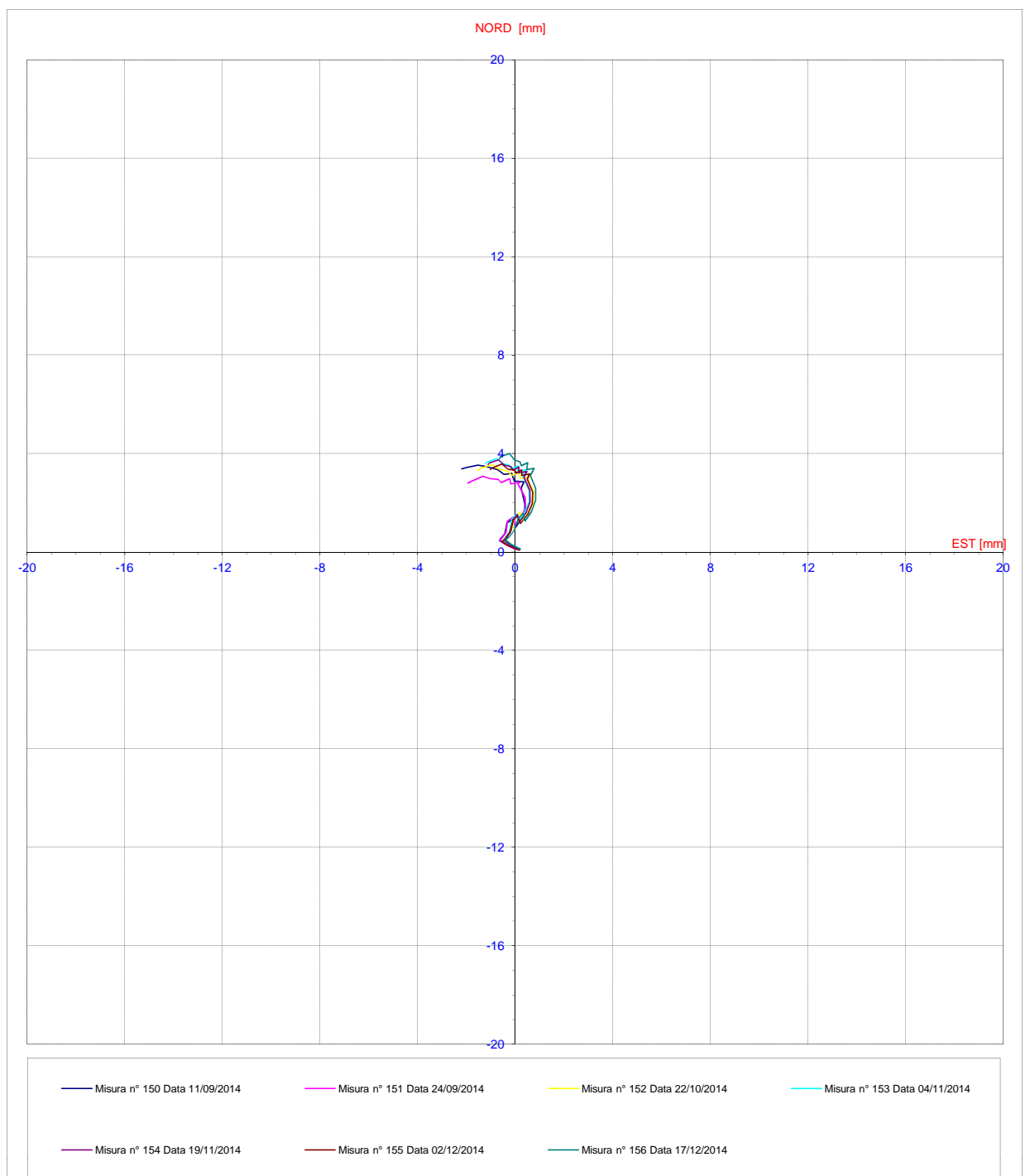
Spostamenti Differenziali Integrali Azimut

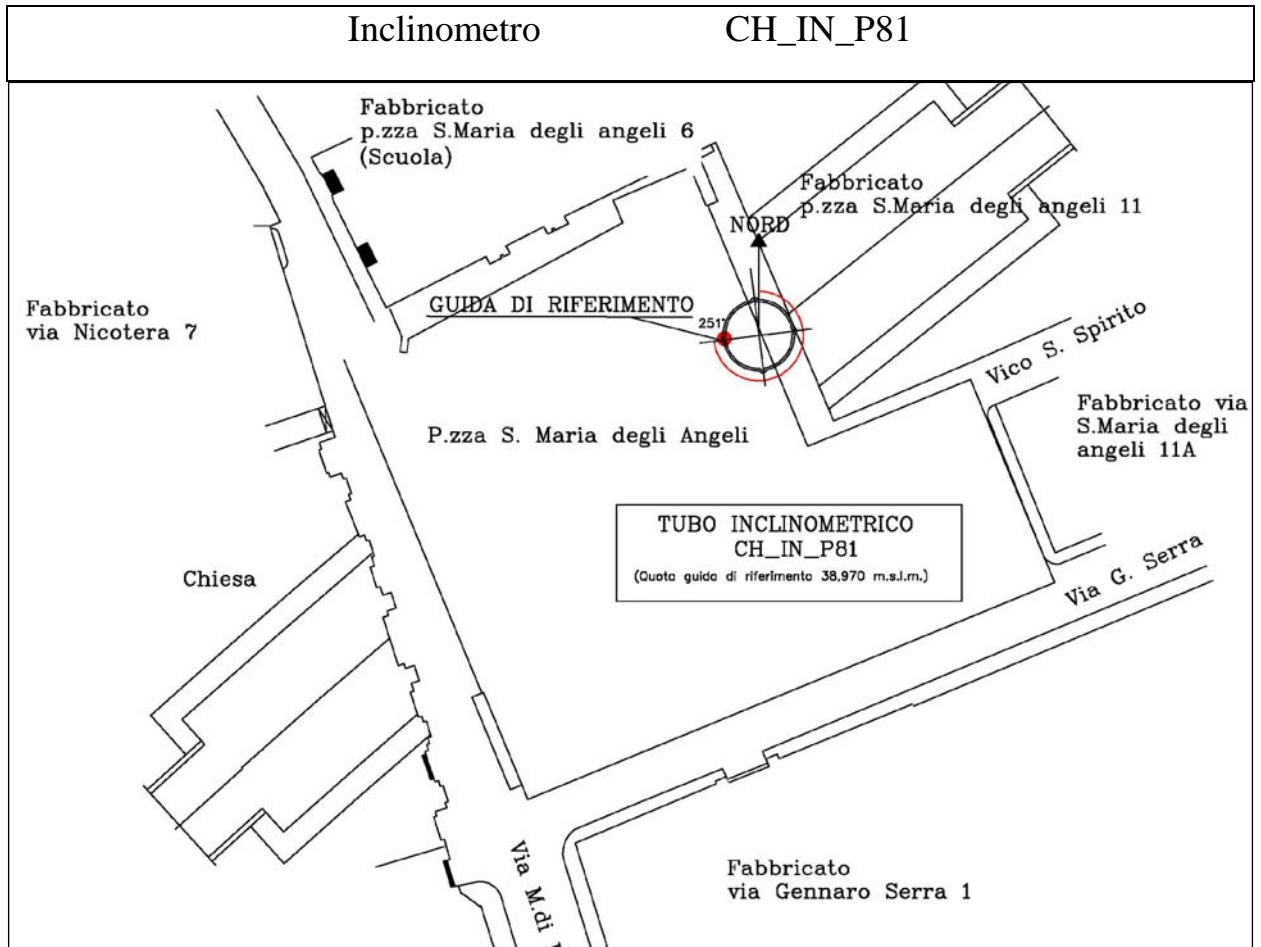


Ubicazione STAZIONE CHIAIA
 Tipo Strumento Tubo inclinometrico
 Nome tubo CH_IN_P67
 Azimut di riferimento 337
 Quota guida rif. (m.s.l.m.) 36,274
 Data lettura di zero 25/11/2009
 Data posa in opera 18/11/2009

Ultima Misura 156 in data 17/12/2014 12:03

Spostamenti Differenziali Integrali
Diagramma polare





Affidabilità strumentale A.T.I. LM6 – TreEsse	Congruenza progettuale C.T. ATI LM6 – C.T. Monitoraggio
buono <input checked="" type="checkbox"/>	congruente <input type="checkbox"/>
da rivedere <input type="checkbox"/>	non congruente, da valutare <input type="checkbox"/>
da scartare <input type="checkbox"/>	non congruente con implicazioni sulla sicurezza <input type="checkbox"/>

NOTE



MISURE INCLINOMETRICHE
ELABORAZIONE DA FONDO FORO
-TABULATI-

Ubicazione **STAZIONE CHIAIA**
 Tipo Strumento **Tubo inclinometrico**
 Nome tubo **CH_IN_P81**
 Azimut di riferimento **251**
 Quota guida rif. (m.s.l.m.) **38,97**
 Data lettura di zero **21/01/2011**
 Data posa in opera **21/12/2010**

Misura **103** in data **17/12/2014 10:43**

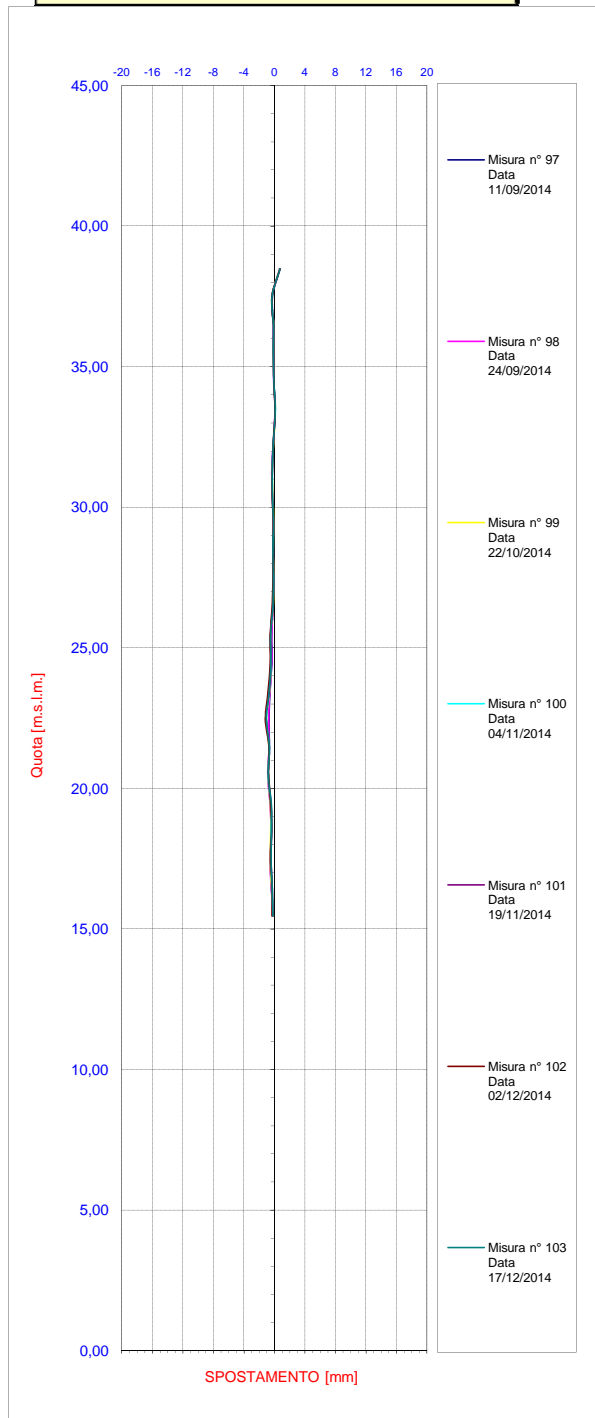
SPOSTAMENTI LOCALI (mm)				
PROFONDITA (m.s.l.m.)	EST	NORD	RISULTANTE	AZIMUT
38,5	0,712	-0,358	0,797	116,652
37,5	-0,344	-0,385	0,516	221,799
36,5	-0,138	-0,035	0,143	255,624
35,5	-0,150	0,167	0,224	318,098
34,5	-0,094	0,116	0,149	321,018
33,5	0,092	0,102	0,138	42,051
32,5	-0,113	0,042	0,121	290,571
31,5	-0,288	0,296	0,413	315,803
30,5	-0,296	0,013	0,296	272,478
29,5	-0,142	0,082	0,164	299,833
28,5	-0,204	-0,195	0,283	226,240
27,5	-0,139	-0,048	0,148	250,837
26,5	-0,229	-0,112	0,255	244,015
25,5	-0,518	-0,152	0,540	253,620
24,5	-0,481	-0,117	0,495	256,364
23,5	-0,698	0,007	0,698	270,568
22,5	-1,082	-0,202	1,101	259,441
21,5	-0,667	0,029	0,668	272,512
20,5	-0,813	-0,127	0,823	261,108
19,5	-0,435	-0,111	0,449	255,730
18,5	-0,364	-0,220	0,425	238,925
17,5	-0,461	-0,081	0,468	260,092
16,5	-0,278	0,005	0,278	271,000
15,5	-0,212	0,181	0,279	310,534

SPOSTAMENTI INTEGRALI (mm)				
PROFONDITA (m.s.l.m.)	EST	NORD	RISULTANTE	AZIMUT
38,5	-7,344	-1,102	7,426	261,468
37,5	-8,056	-0,744	8,091	264,722
36,5	-7,712	-0,360	7,721	267,331
35,5	-7,574	-0,324	7,581	267,549
34,5	-7,425	-0,491	7,441	266,217
33,5	-7,331	-0,607	7,356	265,268
32,5	-7,423	-0,709	7,457	264,544
31,5	-7,310	-0,751	7,349	264,131
30,5	-7,022	-1,048	7,100	261,516
29,5	-6,726	-1,060	6,809	261,042
28,5	-6,584	-1,142	6,682	260,160
27,5	-6,380	-0,947	6,450	261,561
26,5	-6,240	-0,898	6,305	261,811
25,5	-6,011	-0,786	6,063	262,546
24,5	-5,493	-0,634	5,529	263,415
23,5	-5,011	-0,517	5,038	264,107
22,5	-4,313	-0,524	4,345	263,071
21,5	-3,231	-0,322	3,247	264,301
20,5	-2,563	-0,352	2,587	262,188
19,5	-1,751	-0,225	1,765	262,691
18,5	-1,315	-0,114	1,320	265,055
17,5	-0,951	0,106	0,957	276,343
16,5	-0,490	0,186	0,524	290,825
15,5	-0,212	0,181	0,279	310,534

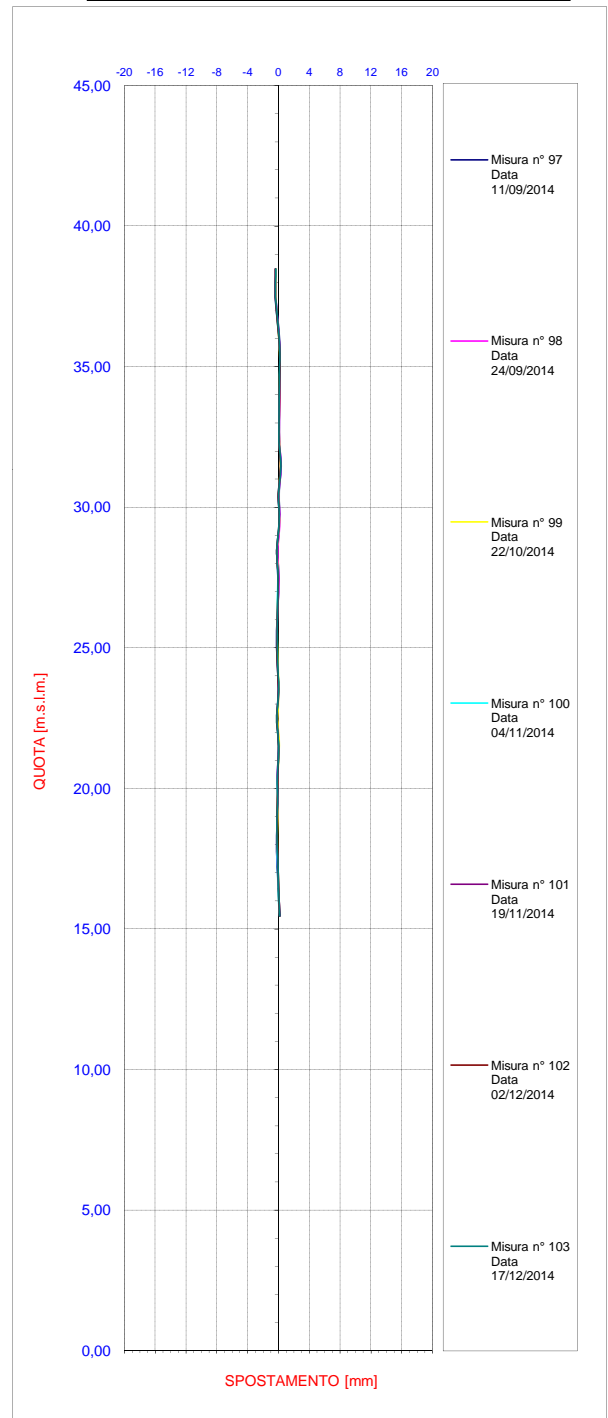
Ubicazione **STAZIONE CHIAIA**
 Tipo Strumento **Tubo inclinometrico**
 Nome tubo **CH_IN_P81**
 Azimut di riferimento **251**
 Quota guida rif. (m.s.l.m.) **38,97**
 Data lettura di zero **21/01/2011**
 Data posa in opera **21/12/2010**

Ultima Misura **103** in data **17/12/2014 10:43**

Spostamenti Differenziali Locali
OVEST - (valori negativi) / EST + (valori positivi)

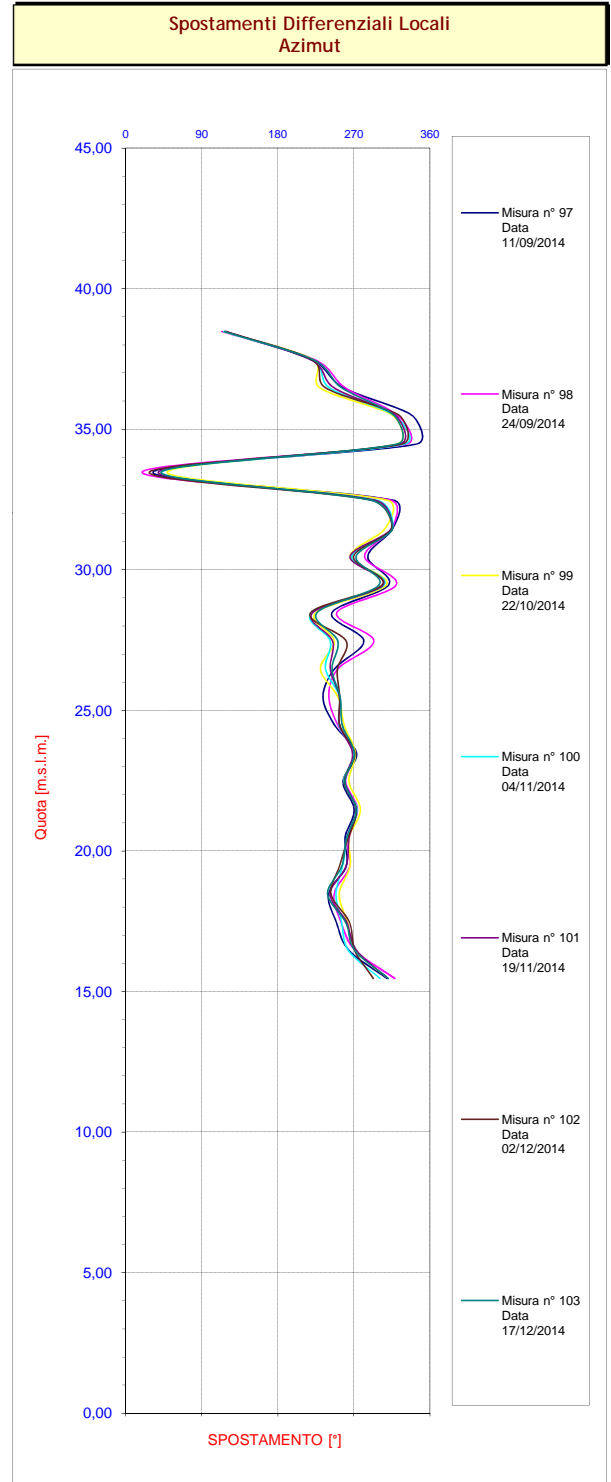
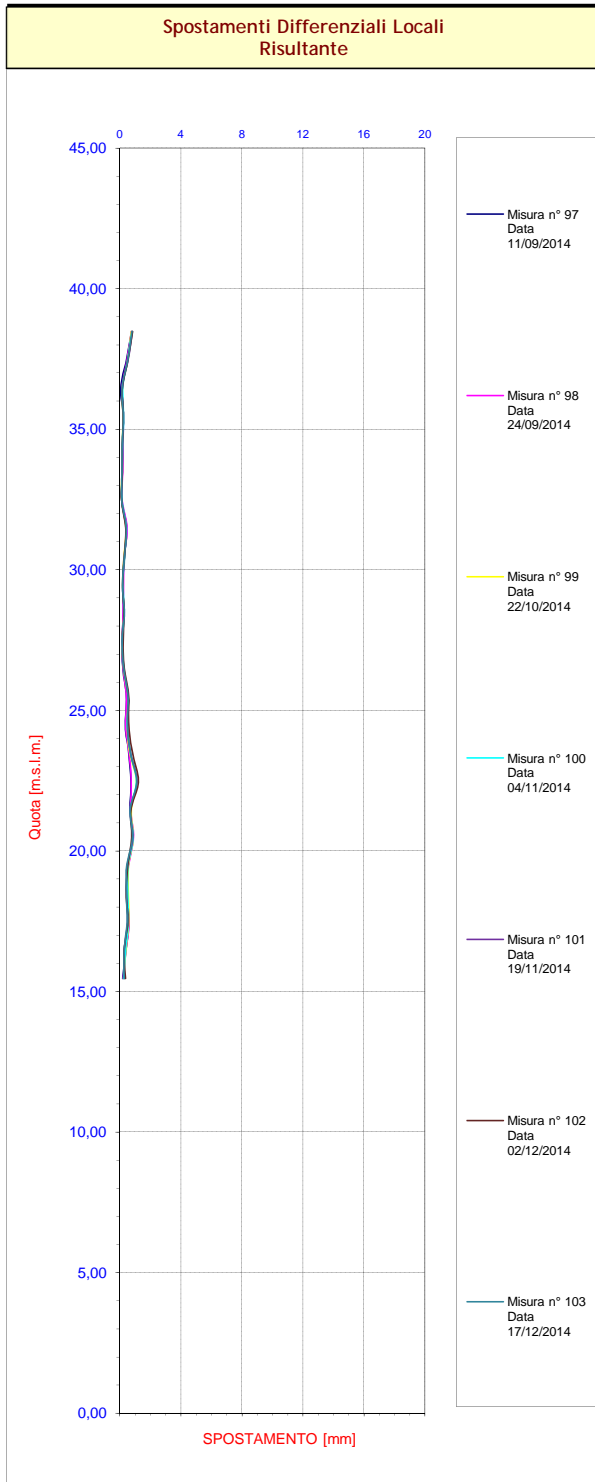


Spostamenti Differenziali Locali
SUD - (valori negativi) / NORD + (valori positivi)



Ubicazione **STAZIONE CHIAIA**
 Tipo Strumento **Tubo inclinometrico**
 Nome tubo **CH_IN_P81**
 Azimut di riferimento **251**
 Quota guida rif. (m.s.l.m.) **38,97**
 Data lettura di zero **21/01/2011**
 Data posa in opera **21/12/2010**

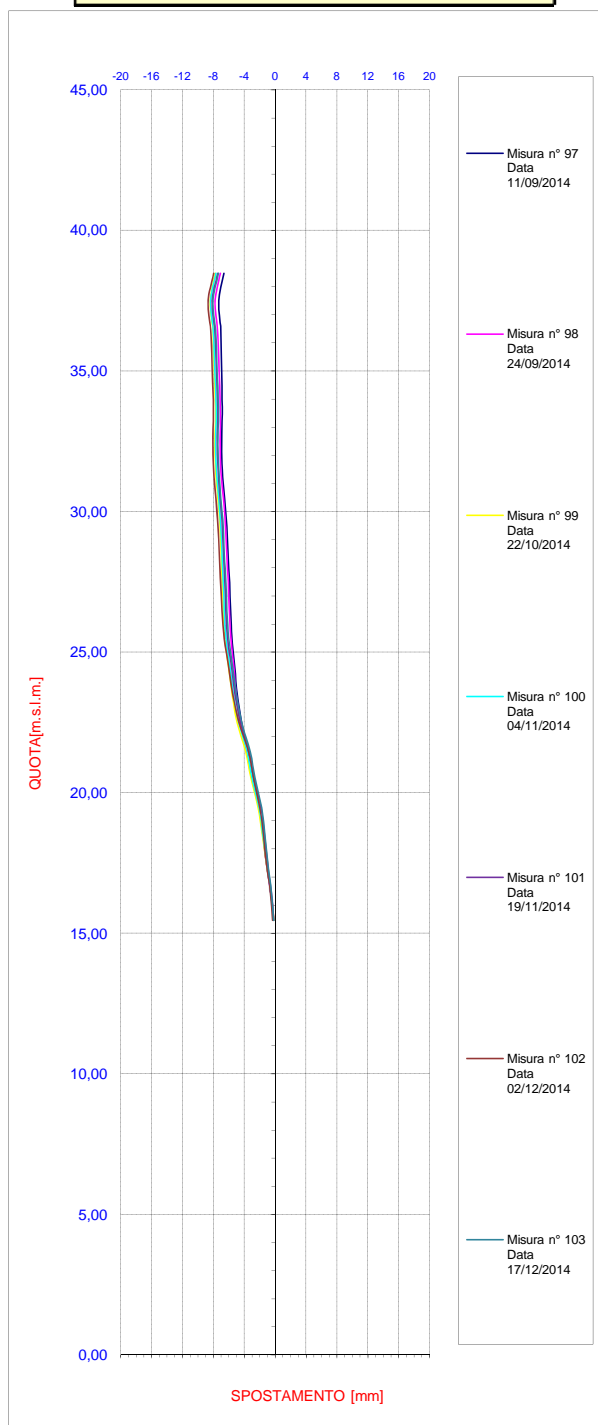
Ultima Misura **103** in data **17/12/2014 10:43**



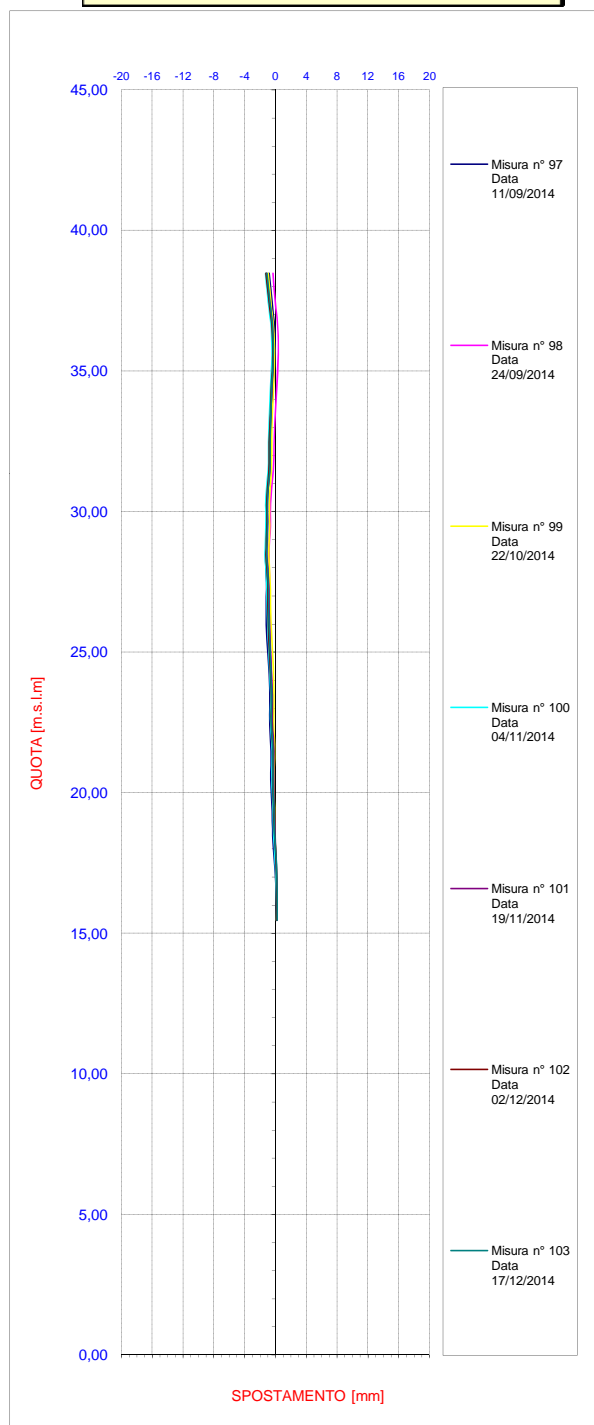
Ubicazione **STAZIONE CHIAIA**
 Tipo Strumento **Tubo inclinometrico**
 Nome tubo **CH_IN_P81**
 Azimut di riferimento **251**
 Quota guida rif. (m.s.l.m.) **38,97**
 Data lettura di zero **21/01/2011**
 Data posa in opera **21/12/2010**

Ultima Misura **103** in data **17/12/2014 10:43**

Spostamenti Differenziali Integrali
OVEST- (valori negativi) / EST + (valori positivi)



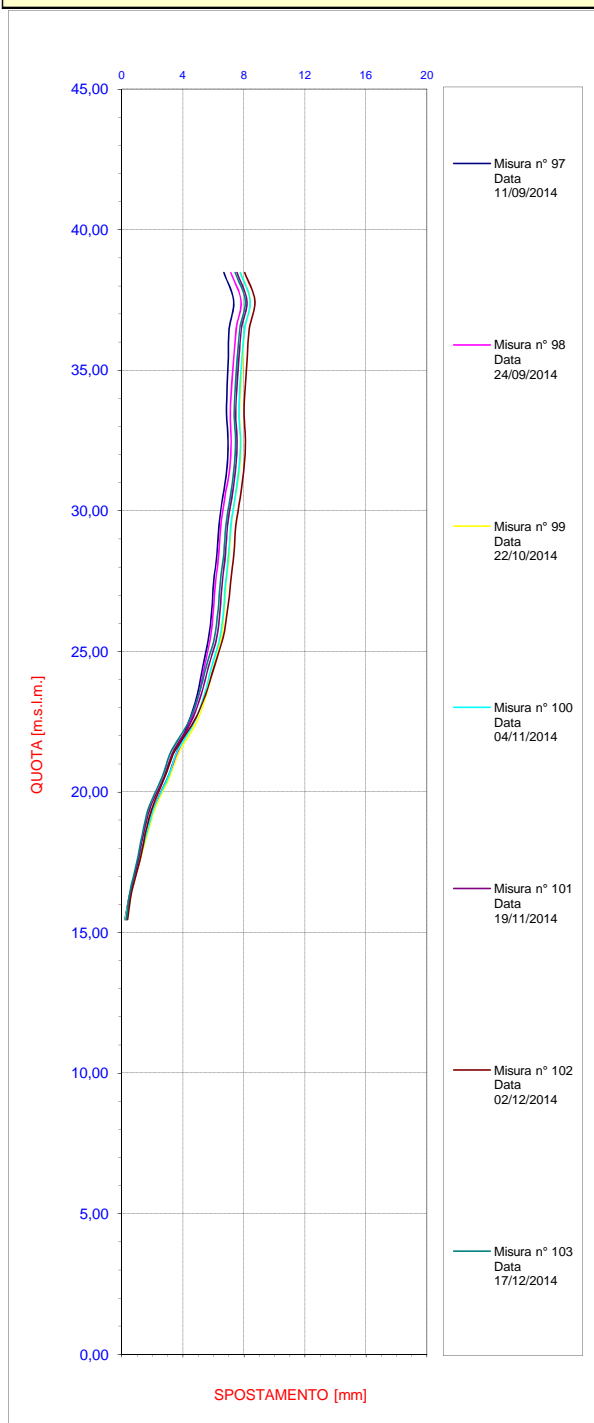
Spostamenti Differenziali Integrali
SUD - (valori negativi) / NORD + (valori positivi)



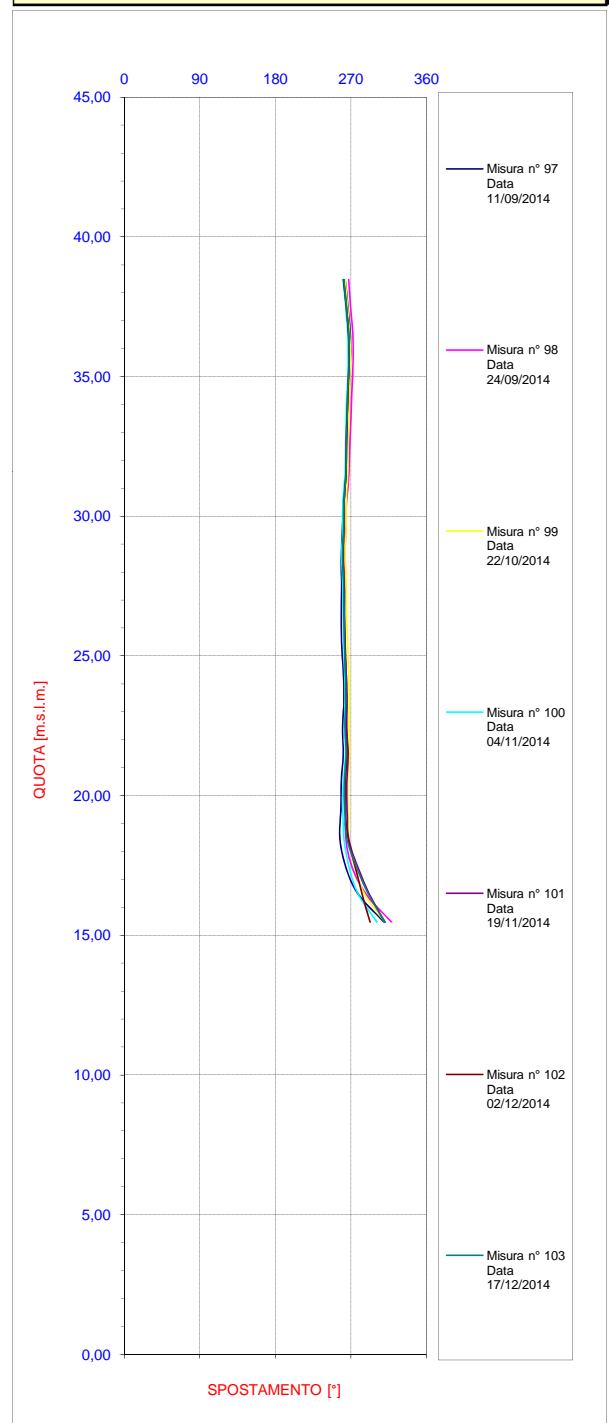
Ubicazione **STAZIONE CHIAIA**
 Tipo Strumento **Tubo inclinometrico**
 Nome tubo **CH_IN_P81**
 Azimut di riferimento **251**
 Quota guida rif. (m.s.l.m.) **38,97**
 Data lettura di zero **21/01/2011**
 Data posa in opera **21/12/2010**

Ultima Misura **103** in data **17/12/2014 10:43**

Spostamenti Differenziali Integrali Risultante



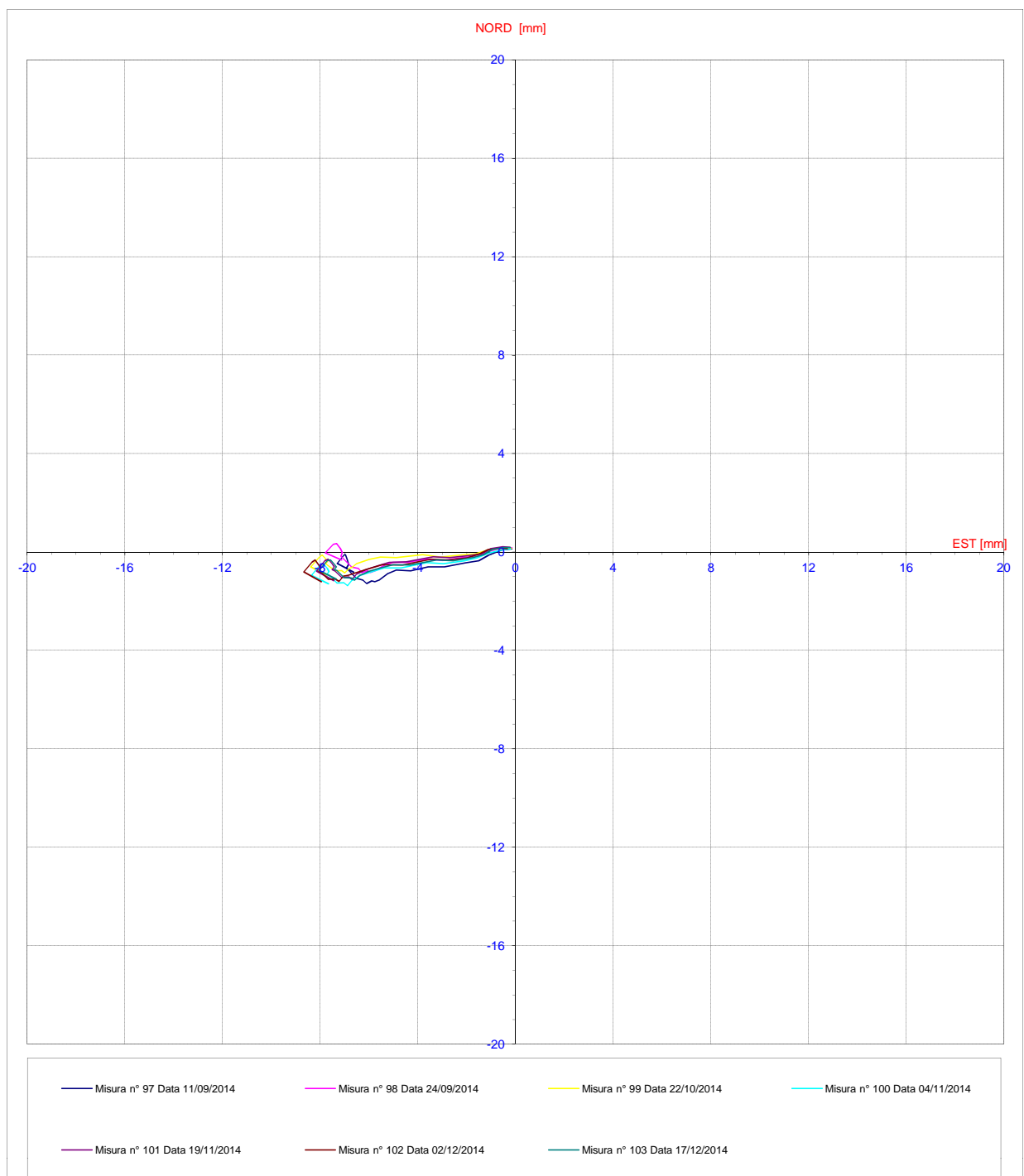
Spostamenti Differenziali Integrali Azimut




Ubicazione STAZIONE CHIAIA
 Tipo Strumento Tubo inclinometrico
 Nome tubo CH_IN_P81
 Azimut di riferimento 251
 Quota guida rif. (m.s.l.m.) 38,97
 Data lettura di zero 21/01/2011
 Data posa in opera 21/12/2010

Ultima Misura 103 in data 17/12/2014 10:43

Spostamenti Differenziali Integrali
Diagramma polare



 <p>Ansaldo STS A Finmeccanica Company</p>	<p>LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO</p> <p><i>OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO</i></p> <p><i>REPORT DELLE MISURE - STAZIONE CHIAIA</i></p>	<p>LM6 7FX 2C I 38 Data: 30/01/15 Metropolit. di Napoli A.T.I. LM6 TreEsse Engineering S.r.l.</p>
---	--	---

8. MISURE GEOTECNICHE – BARRETTE ESTENSIMETRICHE A CORDA VIBRANTE

Gli estensimetri a corda vibrante sono costituiti da un filo d'acciaio, teso tra due supporti ancorati alla struttura da monitorare e messo in vibrazione da un elettromagnete.

Le deformazioni della struttura causano un movimento dei due supporti, facendo variare il tensionamento del filo. Questa variazione di tesatura provoca un mutamento della frequenza di vibrazione della corda, che risulta proporzionale alle deformazioni agenti.

Tutte le barrette estensimetriche installate sono del tipo a corda vibrante per metallo, rese solidali alla struttura mediante saldatura.


 <p>Ansaldo STS A Finmeccanica Company</p>	<p>LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO</p> <p>OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO REPORT DELLE MISURE - STAZIONE CHIAIA</p>	<p>LM6 7FX 2C I 38 Data: 30/01/15 Metropolit. di Napoli A.T.I. LM6 TreEsse Engineering S.r.l.</p>
---	---	---

Tabelle Riepilogative Per Le Barrette Estensimetriche Installate In Cantiere

Tabella Pannello N°13

NOME	TIPOLOGIA STRUMENTAZIONE	DATA INSTALL.	DISPONIBILITA' LETTURA			NOTE
			DATA LETT. DI ZERO	PERIODO INTERRUZIONE	DATA FINE ATTIVITA'	
CH_P13_S1	BARRETTE ESTENSIMETRICHE A C.V.	07/01/09	03/09/09			
CH_P13_S2	BARRETTE ESTENSIMETRICHE A C.V.	07/01/09				Non funzionante
CH_P13_S3	BARRETTE ESTENSIMETRICHE A C.V.	07/01/09	03/09/09			
CH_P13_S4	BARRETTE ESTENSIMETRICHE A C.V.	07/01/09	03/09/09			
CH_P13_S5	BARRETTE ESTENSIMETRICHE A C.V.	07/01/09	03/09/09			
CH_P13_S6	BARRETTE ESTENSIMETRICHE A C.V.	07/01/09	03/09/09			

Tabella Pannello N°50

NOME	TIPOLOGIA STRUMENTAZIONE	DATA INSTALL.	DISPONIBILITA' LETTURA			NOTE
			DATA LETT. DI ZERO	PERIODO INTERRUZIONE	DATA FINE ATTIVITA'	
CH_P50_S1	BARRETTE ESTENSIMETRICHE A C.V.	20/01/09	03/09/09			
CH_P50_S2	BARRETTE ESTENSIMETRICHE A C.V.	20/01/09	03/09/09			
CH_P50_S3	BARRETTE ESTENSIMETRICHE A C.V.	20/01/09	03/09/09			
CH_P50_S4	BARRETTE ESTENSIMETRICHE A C.V.	20/01/09	03/09/09			
CH_P50_S5	BARRETTE ESTENSIMETRICHE A C.V.	20/01/09	03/09/09			
CH_P50_S6	BARRETTE ESTENSIMETRICHE A C.V.	20/01/09	03/09/09			


 <p>Ansaldo STS A Finmeccanica Company</p>	<p>LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO</p> <p>OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO REPORT DELLE MISURE - STAZIONE CHIAIA</p>	<p>LM6 7FX 2C I 38 Data: 30/01/15 Metropolit. di Napoli A.T.I. LM6 TreEsse Engineering S.r.l.</p>
---	---	---

Tabella Pannello N°67

NOME	TIPOLOGIA STRUMENTAZIONE	DATA INSTALL.	DISPONIBILITA' LETTURA			NOTE
			DATA LETT. DI ZERO	PERIODO INTERRUZIONE	DATA FINE ATTIVITA'	
CH_P67_S1	BARRETTE ESTENSIMETRICHE A C.V.	04/03/09	03/09/09		28/09/11	Lo strumento restituisce valore discontinuo
CH_P67_S2	BARRETTE ESTENSIMETRICHE A C.V.	04/03/09	03/09/09			
CH_P67_S3	BARRETTE ESTENSIMETRICHE A C.V.	04/03/09	03/09/09			
CH_P67_S4	BARRETTE ESTENSIMETRICHE A C.V.	04/03/09	03/09/09			
CH_P67_S5	BARRETTE ESTENSIMETRICHE A C.V.	04/03/09	03/09/09			
CH_P67_S6	BARRETTE ESTENSIMETRICHE A C.V.	04/03/09	03/09/09			

Tabella Pannello N°81

NOME	TIPOLOGIA STRUMENTAZIONE	DATA INSTALL.	DISPONIBILITA' LETTURA			NOTE
			DATA LETT. DI ZERO	PERIODO INTERRUZIONE	DATA FINE ATTIVITA'	
CH_P81_S1	BARRETTE ESTENSIMETRICHE A C.V.	31/03/09	03/09/09		20/04/11	(*)
CH_P81_S2	BARRETTE ESTENSIMETRICHE A C.V.	31/03/09	03/09/09		20/04/11	(*)
CH_P81_S3	BARRETTE ESTENSIMETRICHE A C.V.	31/03/09	03/09/09		20/04/11	(*)
CH_P81_S4	BARRETTE ESTENSIMETRICHE A C.V.	31/03/09	03/09/09		25/03/10	(*)
CH_P81_S5	BARRETTE ESTENSIMETRICHE A C.V.	31/03/09	03/09/09		20/04/11	(*)
CH_P81_S6	BARRETTE ESTENSIMETRICHE A C.V.	31/03/09	03/09/09		20/04/11	(*)
CH_P81_S7	BARRETTE ESTENSIMETRICHE A C.V.	31/03/09				(*)
CH_P81_S8	BARRETTE ESTENSIMETRICHE A C.V.	31/03/09	03/09/09		20/04/11	(*)

(*) Le barrette estensimetriche non restituiscono un segnale coerente pertanto non verranno più inserite nel programma di monitoraggio.


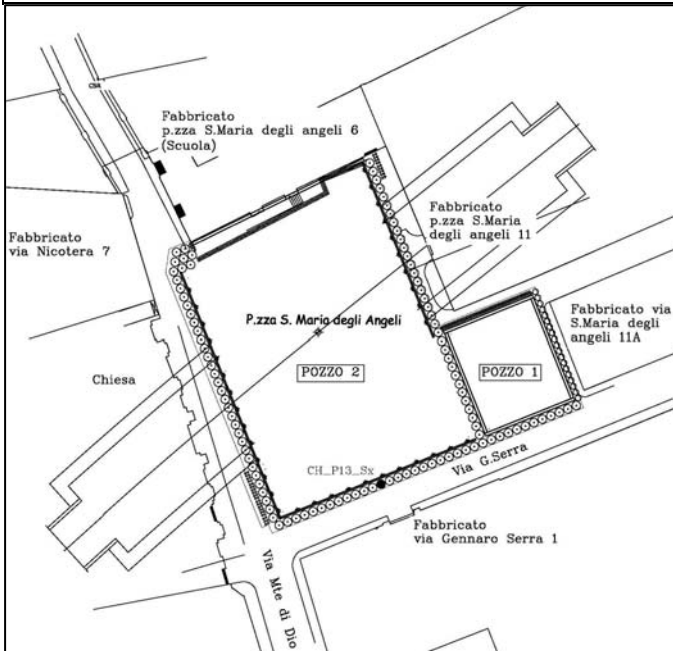
 <p>Ansaldo STS A Finmeccanica Company</p>	<p>LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO</p> <p>OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO REPORT DELLE MISURE - STAZIONE CHIAIA</p>	<p>LM6 7FX 2C I 38 Data: 30/01/15 Metropolit. di Napoli A.T.I. LM6 TreEsse Engineering S.r.l.</p>
---	---	---

Tabella Puntoni PU1 e PU2

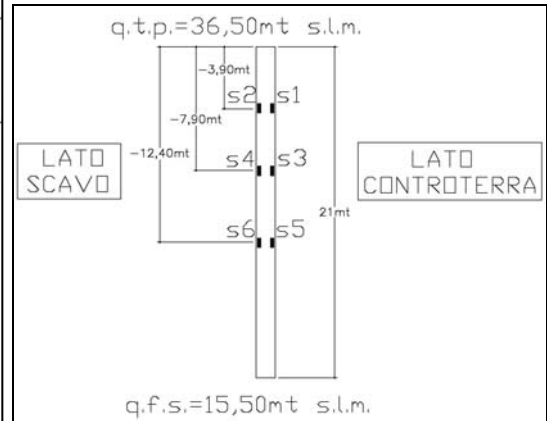
NOME	TIPOLOGIA STRUMENTAZIONE	DATA INSTALL.	DISPONIBILITA' LETTURA			NOTE
			DATA LETT. DI ZERO	PERIODO INTERRUZIONE	DATA FINE ATTIVITA'	
CH_PU1_S1	BARRETTE ESTENSIMETRICHE A C.V.	12/09/11	14/09/11			
CH_PU1_S2	BARRETTE ESTENSIMETRICHE A C.V.	12/09/11	14/09/11			
CH_PU1_S3	BARRETTE ESTENSIMETRICHE A C.V.	12/09/11	14/09/11			
CH_PU1_S4	BARRETTE ESTENSIMETRICHE A C.V.	12/09/11	14/09/11			
CH_PU2_S5	BARRETTE ESTENSIMETRICHE A C.V.	12/09/11	14/09/11			
CH_PU2_S6	BARRETTE ESTENSIMETRICHE A C.V.	12/09/11	14/09/11		15/10/12	Danneggiata. nessun valore
CH_PU2_S6_1	BARRETTE ESTENSIMETRICHE A C.V.	19/11/12	19/11/12			Sostituisce la CH_PU2_S6
CH_PU2_S7	BARRETTE ESTENSIMETRICHE A C.V.	12/09/11	14/09/11			
CH_PU2_S8	BARRETTE ESTENSIMETRICHE A C.V.	12/09/11	14/09/11			

Pannello strumentato

CH_P13



SCHEMA INSTALLAZIONE
STRUMENT. GEOTECNICA
(BECV PER METALLO)
PALO N°13



Le barrette con numero progressivi dispari (s1,s3,s5) sono installate lato contro terra, mentre quelle con numero pari (s2,s4,s6) sono poste lato scavo; la direzione di installazione è parallela all'asse di scavo.

Affidabilità strumentale

A.T.I. LM6 – TreEsse

buono
da rivedere
da scartare

X

Congruenza progettuale
C.T. ATI LM6 – C.T.
Monitoraggio

congruente
non congruente, da valutare
non congruente con implicazioni
sulla sicurezza

NOTE

Le elaborazioni di seguito riportate includono lo storico delle misure.

La barretta estensimetrica a c.v. CH_P13_S2 non è funzionante.



TABULATI

Ubicazione STAZIONE CHIAIA

Opera \ \ P13

Strumento Barretta Est. per Metallo

Data posa in opera 03/09/2009

Data lettura di zero 03/09/2009

Ultima Misura 203 in data 22/01/2015

Letture n°	DATA	CH_P13_S1		CH_P13_S3		CH_P13_S4		CH_P13_S5		CH_P13_S6	
		Micro strain [µε]	Temp. [°C]	Micro strain [µε]	Temp. [°C]	Micro strain [µε]	Temp. [°C]	Micro strain [µε]	Temp. [°C]	Micro strain [µε]	Temp. [°C]
151	5/9/13 11:00	-38,3	15,9	-166,7	15,1	20,6	16,9	-119,2	14,3	45,0	17,5
152	12/9/13 10:00	-39,9	16,1	-169,5	15,2	14,9	17,1	-126,5	14,7	38,1	17,6
153	18/9/13 10:30	-35,4	15,8	-180,1	15,0	16,9	16,6	-117,1	14,8	43,8	17,4
154	25/9/13 10:30	-40,7	15,7	-188,2	15,0	-6,6	16,0	-102,9	14,3	20,2	16,8
155	9/10/13 10:00	-33,8	15,6	-191,0	15,1	-12,3	16,2	-109,4	14,1	25,9	16,6
156	14/10/13 10:00	-40,3	15,4	-197,9	15,2	-7,0	16,3	-112,3	14,2	31,6	16,4
157	25/10/13 11:00	-38,7	15,2	-200,4	15,0	-13,9	16,4	-105,8	14,4	17,0	16,2
158	29/10/13 11:30	-37,1	15,0	-194,7	14,8	-8,2	16,2	-98,5	14,0	26,7	16,0
159	7/11/13 11:00	-35,4	14,8	-190,2	14,5	-2,6	16,0	-88,7	13,8	24,3	15,8
160	12/11/13 10:00	-29,8	14,6	-181,7	14,2	3,1	15,8	-79,0	13,6	54,3	15,6
161	19/11/13 11:00	-30,6	14,2	-180,1	14,0	6,4	15,4	-77,3	13,4	55,9	15,4
162	3/12/13 12:00	-35,9	14,1	-178,5	13,8	-4,2	15,2	-89,1	13,1	45,4	15,2
163	10/12/13 11:00	-33,0	14,0	-172,8	13,6	1,5	15,0	-78,2	13,0	55,1	15,0
164	9/1/14 11:30	-27,3	13,8	-171,1	13,4	7,2	14,8	-72,5	12,8	60,8	14,8
165	13/1/14 10:30	-32,6	13,7	-181,7	13,2	0,7	14,6	-79,0	12,6	55,5	14,7
166	21/1/14 10:00	-44,4	13,4	-182,5	12,8	10,4	14,4	-93,6	12,4	46,2	14,6
167	4/2/14 11:00	-55,0	13,2	-199,6	12,4	12,0	14,2	-104,2	12,2	29,1	14,2
168	11/2/14 10:00	-40,3	13,4	-189,0	12,6	-6,7	14,0	-82,2	12,0	34,8	14,0
169	18/2/14 11:00	-42,0	13,6	-183,3	12,4	-0,1	14,2	-76,9	12,1	40,1	14,1
170	25/2/14 10:00	-39,1	13,5	-190,2	12,5	1,5	14,0	-74,1	12,0	42,9	14,0
171	4/3/14 10:00	-46,0	13,6	-193,9	12,2	9,6	14,0	-78,6	12,3	48,6	13,8
172	11/3/14 12:00	-44,4	13,4	-189,8	12,2	18,9	14,1	-76,9	12,1	57,9	13,9
173	18/3/14 11:00	-42,8	13,2	-196,3	12,0	21,8	14,0	-70,4	12,3	63,2	14,0
174	25/3/14 12:00	-49,3	13,0	-198,8	11,8	36,4	14,2	-73,3	12,4	51,4	13,7
175	3/4/14 11:00	-55,0	13,2	-203,3	12,1	29,5	14,3	-80,6	12,8	41,7	13,9
176	9/4/14 11:30	-66,3	13,6	-210,2	12,2	22,6	14,4	-85,1	13,1	36,0	14,1
177	18/4/14 10:30	-64,7	13,4	-220,7	12,0	37,2	14,6	-75,7	13,2	45,4	14,2
178	29/4/14 11:30	-70,4	13,6	-229,2	12,3	30,3	14,7	-81,4	13,4	51,0	14,0
179	8/5/14 11:00	-60,6	13,4	-232,1	12,4	25,0	14,6	-62,7	13,6	36,0	14,1
180	15/5/14 10:00	-59,0	13,2	-230,5	12,2	14,5	14,4	-56,2	13,8	29,1	14,2
181	20/5/14 11:00	-50,9	15,2	-176,4	14,3	2,7	16,1	-104,1	15,2	29,1	16,2
182	27/5/14 10:00	-85,8	15,0	-157,3	14,2	-13,5	16,1	-110,6	15,0	10,5	16,0
183	3/6/14 11:00	-107,7	15,2	-176,4	14,3	-19,2	16,3	-112,2	15,2	-5,8	16,0
184	10/6/14 11:00	-126,4	15,0	-139,0	14,7	-34,2	16,4	-134,2	15,4	-22,4	16,3
185	17/6/14 12:00	-128,5	15,5	-147,2	14,7	-49,3	16,5	-103,3	15,6	-18,4	16,3
186	24/6/14 11:00	-149,6	15,1	-168,3	14,3	-62,3	16,1	-120,4	15,2	-38,3	16,0
187	1/7/14 11:00	-164,6	15,2	-174,0	14,5	-57,0	16,2	-130,9	15,0	-44,0	16,2
188	8/7/14 10:00	-174,0	15,1	-168,3	14,3	-48,9	16,2	-136,2	14,9	-35,9	16,2
189	15/7/14 11:00	-180,9	15,2	-156,5	14,6	-42,4	16,4	-140,7	15,2	-25,3	16,4
190	24/7/14 11:00	-175,6	15,3	-161,8	14,5	-47,6	16,3	-137,8	15,1	-22,4	16,3
191	29/7/14 11:00	-182,5	15,4	-160,2	14,3	-57,4	16,5	-144,7	15,2	-24,1	16,5
192	19/8/14 11:00	-189,0	15,2	-167,1	14,4	-62,7	16,4	-150,0	15,1	-18,8	16,6
193	26/8/14 11:00	-183,7	15,3	-161,8	14,5	-69,6	16,5	-143,1	15,0	-17,2	16,4
194	2/9/14 14:00	-179,2	15,0	-158,9	14,4	-58,6	16,4	-141,5	14,8	-11,5	16,2
195	9/9/14 11:00	-180,9	15,2	-169,5	14,2	-69,2	16,2	-150,8	14,7	-14,3	16,3
196	16/9/14 11:00	-187,4	15,0	-180,1	14,0	-75,7	16,0	-158,6	14,4	-28,9	16,1
197	1/10/14 11:00	-180,1	14,6	-168,7	13,6	-68,4	15,6	-147,2	14,0	-26,9	15,6
198	14/10/14 11:00	-190,6	14,4	-179,3	13,4	-61,5	15,5	-154,1	14,1	-17,6	15,7
199	5/11/14 11:00	-187,8	14,3	-174,0	13,5	-66,7	15,4	-159,4	14,0	-13,1	15,4
200	19/11/14 11:00	-197,1	14,2	-168,7	13,6	-73,3	15,2	-154,1	14,1	-19,6	15,2
201	2/12/14 11:00	-203,6	14,0	-175,6	13,7	-70,4	15,1	-161,0	14,2	-24,9	15,1
202	19/12/14 11:00	-209,3	14,2	-185,0	13,6	-73,3	15,2	-150,4	14,4	-18,0	15,0
203	22/1/15 11:00	-207,7	14,0	-182,1	13,5	-71,6	15,0	-161,0	14,2	-24,9	15,1



Ubicazione STAZIONE CHIAIA
Opera \ \ P13
Strumento Barretta Est. per Metallo
Data posa in opera 03/09/2009
Data lettura di zero 03/09/2009

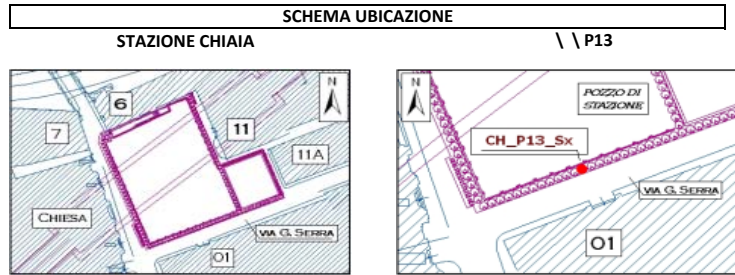


GRAFICO MICROSTRAIN

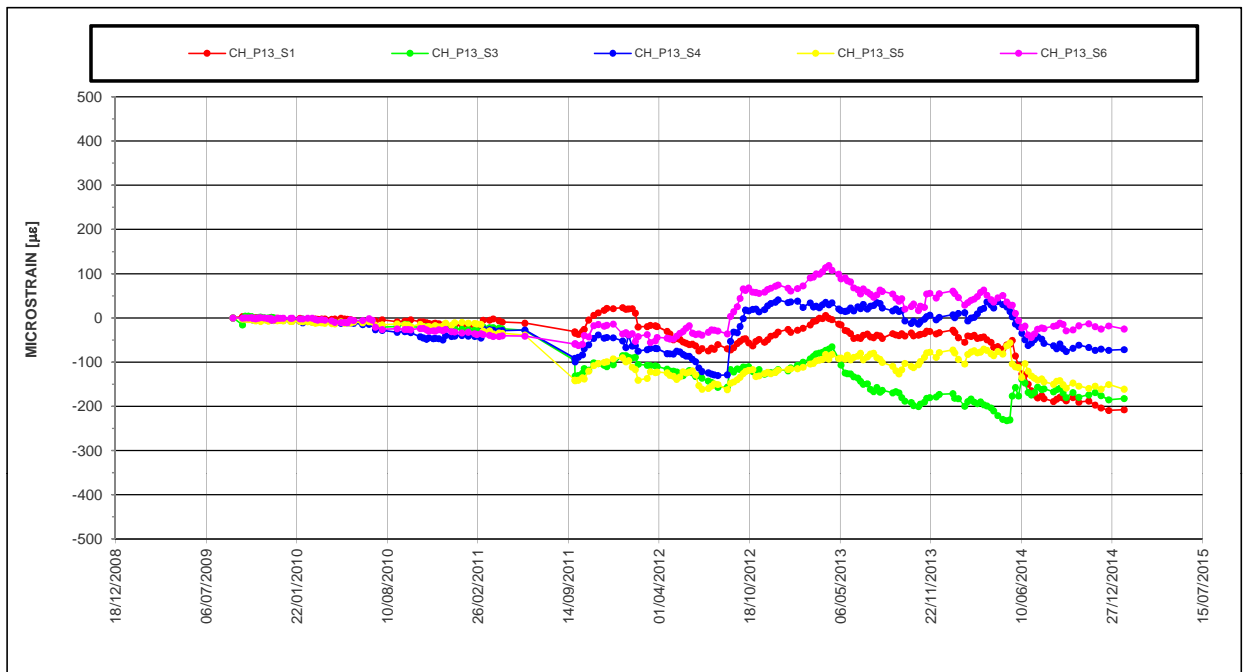
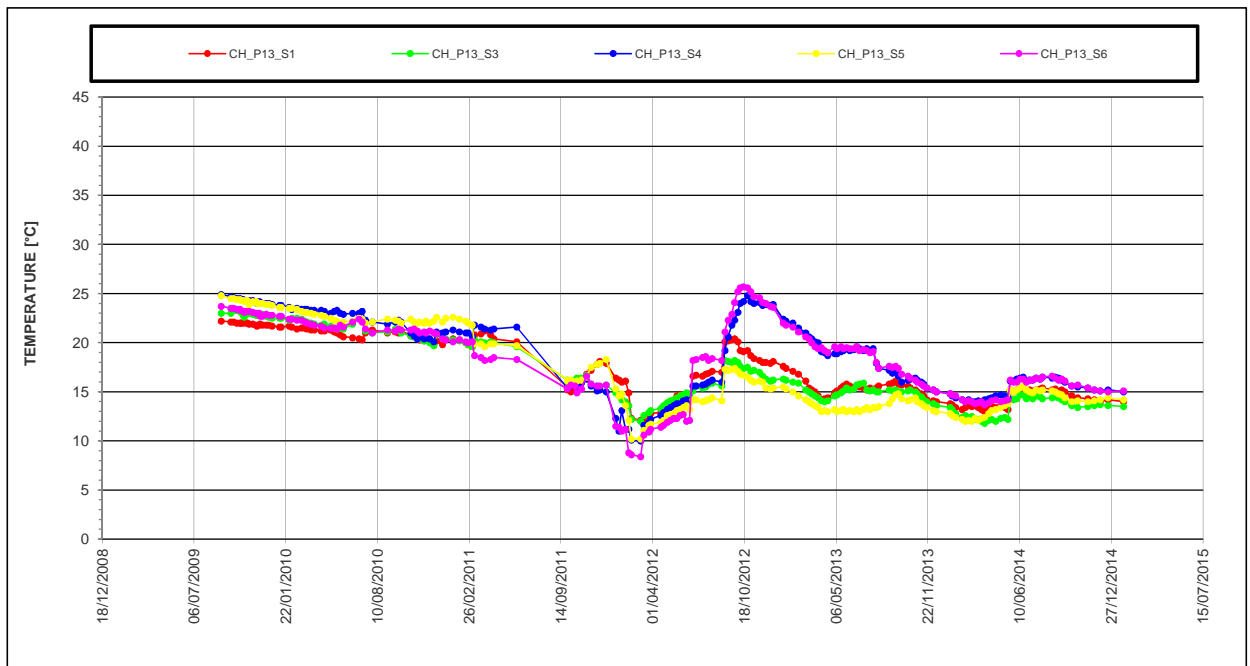
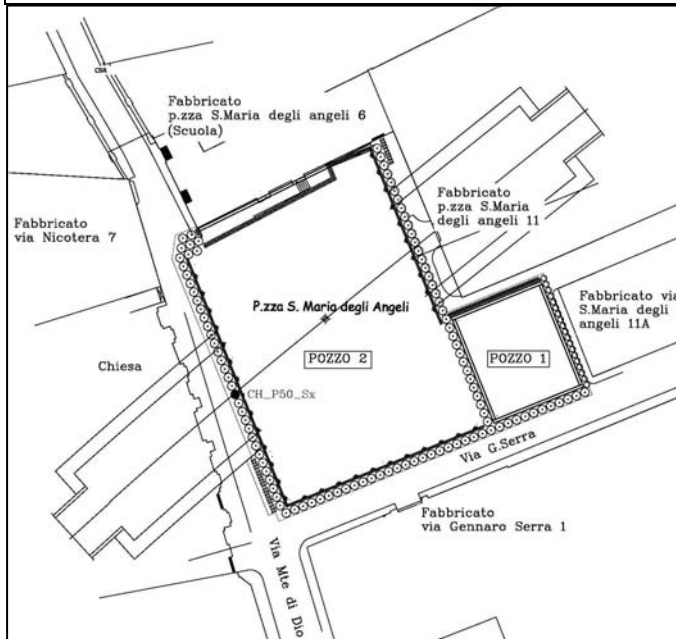


GRAFICO TEMPERATURE

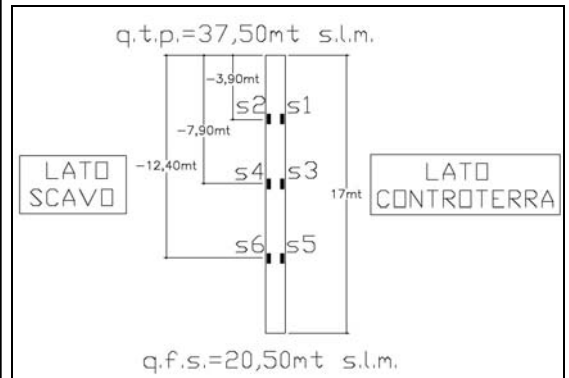


Pannello strumentato

CH_P50



**SCHEMA INSTALLAZIONE
STRUMENT. GEOTECNICA (BECV
PER METALLO)
PALO N°50**



Le barrette con numero progressivi dispari (s1,s3,s5) sono installate lato contro terra, mentre quelle con numero pari (s2,s4,s6) sono poste lato scavo; la direzione di installazione è parallela all'asse di scavo.

Affidabilità strumentale

A.T.I. LM6 – TreEsse

buono
da rivedere
da scartare

X

Congruenza progettuale
C.T. ATI LM6 – C.T.
Monitoraggio

congruente
non congruente, da valutare
non congruente con implicazioni
sulla sicurezza

NOTE

Le elaborazioni di seguito riportate includono lo storico delle misure.



TABULATI

Ubicazione STAZIONE CHIAIA

Opera \ \ P50

Strumento Barretta Est. per Metallo

Data posa in opera 03/09/2009

Data lettura di zero 03/09/2009

Ultima Misura 223 in data 22/01/2015

Letture n°	DATA	CH_P50_S1		CH_P50_S2		CH_P50_S3		CH_P50_S4		CH_P50_S5		CH_P50_S6	
		Micro strain [µε]	Temp. [°C]	Micro strain [µε]	Temp. [°C]	Micro strain [µε]	Temp. [°C]	Micro strain [µε]	Temp. [°C]	Micro strain [µε]	Temp. [°C]	Micro strain [µε]	Temp. [°C]
171	5/9/13 11:30	-68,7	15,8	-67,5	15,5	-81,4	13,9	-87,5	14,0	45,4	15,7	-8,3	14,6
172	12/9/13 10:00	-73,2	16,1	-72,0	15,8	-87,1	14,1	-89,1	14,2	42,5	15,8	-17,2	14,2
173	18/9/13 10:30	-68,7	15,8	-61,4	16,0	-78,9	14,1	-95,6	14,0	32,0	15,6	-11,5	14,0
174	25/9/13 11:30	-59,0	15,6	-73,6	16,0	-80,2	14,0	-80,6	13,9	25,5	15,4	-24,5	14,6
175	9/10/13 10:30	-53,3	15,4	-68,3	16,1	-65,5	14,2	-90,7	13,4	31,2	15,2	-33,4	14,2
176	14/10/13 10:00	-51,7	15,2	-63,1	16,2	-59,0	14,4	-76,9	13,2	36,4	15,3	-31,8	14,0
177	25/10/13 11:00	-58,2	15,0	-69,6	16,0	-69,6	14,2	-62,3	13,4	28,3	15,3	-30,2	13,8
178	29/10/13 11:30	-52,5	14,8	-64,7	15,4	-63,9	14,0	-56,6	13,2	35,2	15,2	-24,5	13,6
179	7/11/13 11:30	-39,9	14,5	-54,9	15,2	-58,2	13,8	-50,9	13,0	34,4	14,8	-18,8	13,4
180	12/11/13 11:00	-35,5	14,2	-49,3	15,0	-56,6	13,6	-43,6	12,6	38,9	14,5	-17,2	13,2
181	19/11/13 11:00	-29,8	14,0	-47,6	14,8	-55,0	13,4	-42,0	12,4	39,3	14,2	-15,6	13,0
182	3/12/13 12:00	-35,5	14,2	-58,2	14,6	-61,5	13,2	-52,6	12,2	32,8	14,0	-22,5	13,1
183	10/12/13 11:30	-32,6	14,1	-48,5	14,4	-55,8	13,0	-42,8	12,0	42,5	13,8	-7,5	13,0
184	9/1/14 11:00	-29,8	14,0	-46,8	14,2	-50,1	12,8	-37,1	11,8	48,2	13,6	-5,8	12,8
185	13/1/14 10:30	-36,7	14,1	-49,3	14,0	-64,7	12,6	-51,8	11,6	38,9	13,5	-16,4	12,6
186	21/1/14 11:30	-41,1	14,4	-36,3	14,4	-75,3	12,4	-50,1	11,4	38,0	13,1	-27,0	12,4
187	4/2/14 11:30	-67,2	13,6	-61,5	14,0	-95,2	12,1	-78,2	11,1	15,7	12,6	-44,0	12,0
188	11/2/14 11:00	-61,5	13,4	-74,5	13,6	-100,5	12,0	-65,6	10,8	18,9	12,2	-22,9	12,4
189	18/2/14 11:00	-58,6	13,3	-72,8	13,4	-94,0	12,2	-64,0	10,6	25,4	12,4	-16,4	12,6
190	25/2/14 10:00	-68,0	13,2	-71,2	13,2	-87,5	12,4	-66,8	10,7	30,7	12,5	-29,8	12,5
191	4/3/14 10:00	-69,6	13,4	-67,2	13,2	-91,6	12,4	-74,5	10,4	31,1	12,2	-40,4	12,3
192	11/3/14 12:00	-59,0	13,6	-74,1	13,3	-85,9	12,2	-64,0	10,6	32,7	12,0	-38,8	12,1
193	18/3/14 12:00	-57,4	13,4	-68,8	13,4	-80,2	12,0	-62,3	10,4	38,0	12,1	-35,9	12,0
194	25/3/14 12:00	-68,0	13,2	-79,3	13,2	-83,0	12,1	-68,8	10,2	28,7	12,0	-29,4	12,2
195	3/4/14 11:00	-73,7	13,4	-85,0	13,4	-92,8	12,3	-76,2	10,6	21,4	12,4	-39,2	12,4
196	9/4/14 11:30	-91,5	13,6	-79,7	13,5	-97,2	12,6	-80,6	10,9	15,7	12,6	-48,9	12,6
197	18/4/14 11:00	-78,1	13,7	-76,9	13,4	-87,5	12,4	-85,1	11,2	10,0	12,8	-47,3	12,4
198	29/4/14 11:00	-89,1	13,8	-82,6	13,6	-97,2	12,6	-86,7	11,4	5,5	13,1	-57,0	12,6
199	8/5/14 11:00	-80,6	13,5	-75,3	13,2	-87,9	12,7	-76,1	11,6	12,4	13,0	-51,7	12,7
200	15/5/14 10:00	-77,7	13,4	-69,6	13,0	-82,6	12,8	-70,9	11,7	21,8	13,1	-46,5	12,8
201	20/5/14 11:00	-67,2	13,6	-60,7	13,4	-74,9	13,1	-76,5	11,9	9,2	13,4	-46,9	13,1
202	27/5/14 11:00	-70,0	13,7	-74,5	13,6	-84,2	13,0	-84,7	11,9	2,7	13,2	-35,9	13,0
203	3/6/14 11:00	-75,3	13,6	-81,0	13,4	-89,9	13,2	-93,6	11,5	-7,9	13,0	-30,6	13,1
204	10/6/14 11:00	-109,8	14,1	-103,3	13,9	-109,8	13,9	-117,2	11,9	-18,4	13,8	-58,6	13,8
205	17/6/14 11:00	-111,8	14,6	-104,1	14,5	-113,5	14,6	-120,4	12,3	-27,3	14,4	-71,2	14,1
206	24/6/14 11:00	-96,4	15,2	-119,5	14,9	-123,6	15,1	-133,4	12,9	-38,7	14,8	-85,4	14,6
207	1/7/14 11:00	-100,8	15,5	-122,8	15,3	-143,1	15,5	-140,7	13,3	-39,5	15,4	-86,2	15,2
208	8/7/14 10:00	-106,5	15,7	-134,6	15,0	-128,5	15,7	-140,3	13,0	-38,7	15,8	-84,6	15,0
209	15/7/14 11:00	-101,2	15,8	-133,7	15,4	-126,0	15,9	-129,7	13,2	-40,3	16,0	-79,3	15,1
210	24/7/14 11:00	-107,7	15,6	-139,4	15,6	-136,6	15,7	-140,3	13,0	-49,7	15,9	-82,2	15,2
211	29/7/14 10:30	-102,1	15,4	-152,0	14,9	-133,8	15,6	-132,2	13,0	-44,0	15,7	-85,0	15,3
212	19/8/14 10:00	-112,6	15,2	-162,6	14,7	-144,3	15,4	-139,1	13,1	-53,3	15,6	-82,2	15,2
213	26/8/14 10:00	-111,0	15,0	-167,9	14,6	-141,5	15,3	-133,8	13,2	-56,2	15,7	-80,5	15,0
214	2/9/14 14:00	-101,3	14,8	-158,1	14,4	-141,1	15,0	-144,4	13,0	-50,5	15,5	-74,9	14,8
215	9/9/14 11:00	-111,8	14,6	-164,6	14,2	-147,6	14,8	-140,3	13,0	-55,8	15,4	-81,4	14,6
216	16/9/14 11:00	-122,4	14,4	-171,1	14,0	-154,1	14,6	-146,8	12,8	-66,3	15,2	-94,4	14,2
217	1/10/14 11:00	-111,0	14,0	-163,8	13,6	-143,9	14,1	-137,1	12,6	-48,5	15,0	-84,6	14,0
218	14/10/14 11:00	-105,3	13,8	-150,4	13,7	-137,0	14,0	-138,7	12,8	-55,0	14,8	-90,3	14,2
219	5/11/14 11:00	-115,9	13,6	-147,6	13,6	-139,9	14,1	-131,8	12,7	-61,5	14,6	-88,7	14,0
220	19/11/14 11:00	-114,3	13,4	-154,5	13,7	-145,2	14,0	-145,2	12,6	-72,0	14,4	-94,4	14,2
221	2/12/14 11:00	-109,0	13,5	-149,2	13,8	-152,1	14,1	-138,7	12,8	-66,7	14,5	-99,7	14,1
222	19/12/14 11:00	-116,7	13,2	-156,1	13,9	-161,4	14,0	-133,4	12,9	-69,6	14,6	-96,8	14,0
223	22/1/15 11:00	-122,0	13,1	-162,6	13,7	-156,1	14,1	-144,0	12,7	-74,9	14,5	-99,7	14,1



Ubicazione STAZIONE CHIAIA
Opera \ \ P50
Strumento Barretta Est. per Metallo
Data posa in opera 03/09/2009
Data lettura di zero 03/09/2009

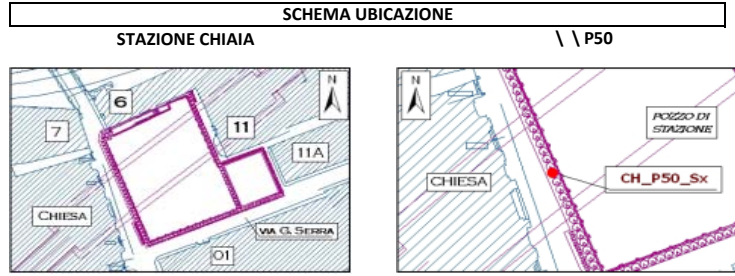


GRAFICO MICROSTRAIN

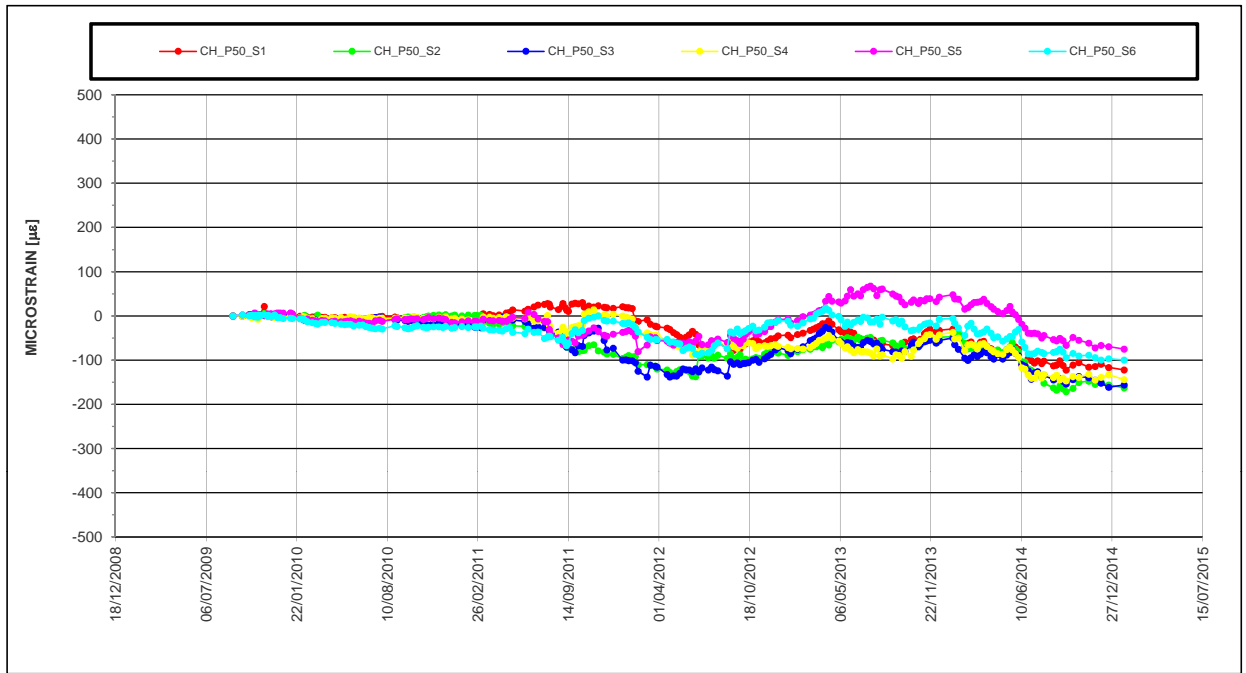
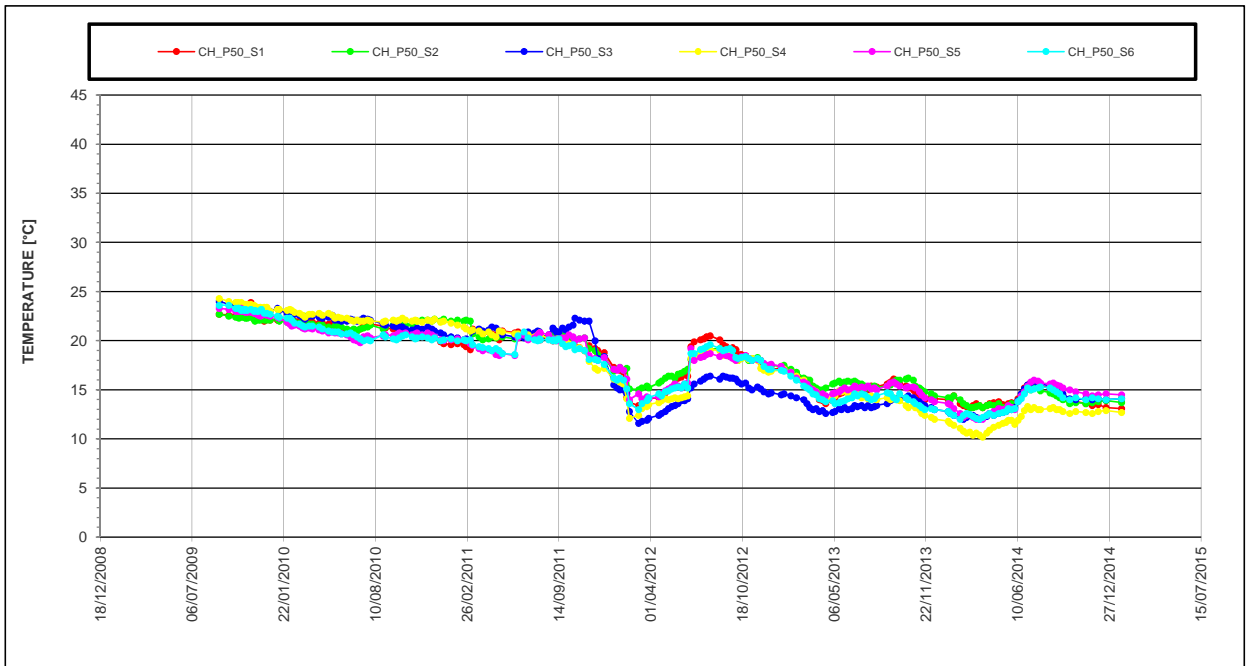
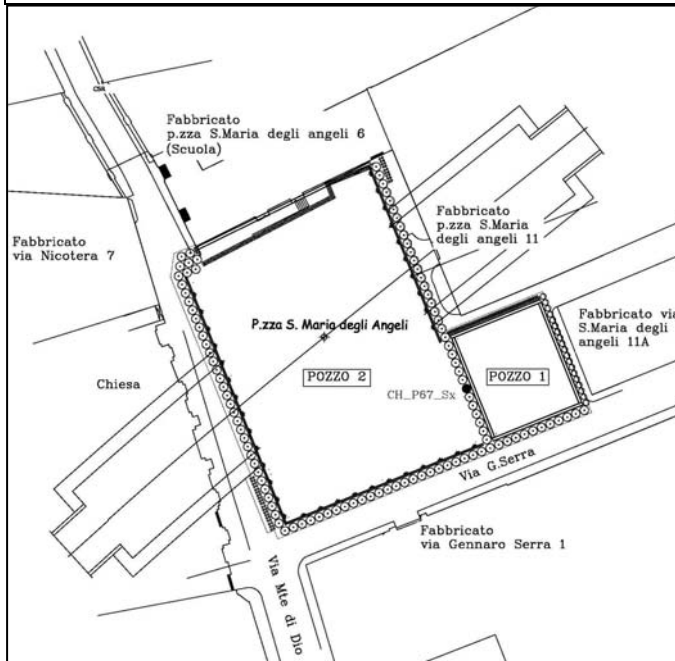


GRAFICO TEMPERATURE

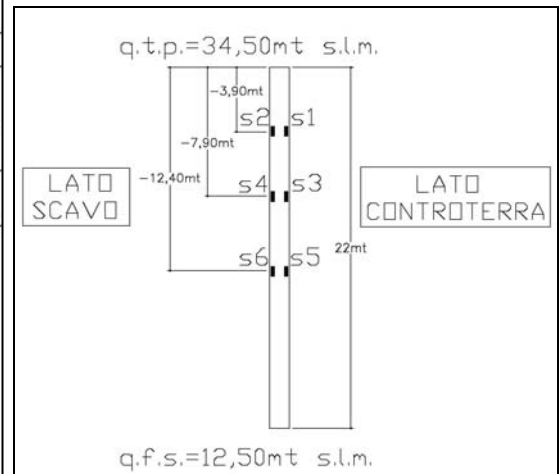


Pannello strumentato

CH_P67



SCHEMA INSTALLAZIONE
STRUMENT. GEOTECNICA (BECV
PER METALLO)
PALO N°67



Le barrette con numero progressivi dispari (s1,s3,s5) sono installate lato contro terra, mentre quelle con numero pari (s2,s4,s6) sono poste lato scavo; la direzione di installazione è parallela all'asse di scavo.

Affidabilità strumentale

A.T.I. LM6 – TreEsse

buono
da rivedere
da scartare

X

Congruenza progettuale
C.T. ATI LM6 – C.T.
Monitoraggio

congruente
non congruente, da valutare
non congruente con implicazioni
sulla sicurezza

NOTE

Le elaborazioni di seguito riportate includono lo storico delle misure.

La barretta estensimetrica a c.v. CH_P67_S1 restituisce valori discontinui dal 28/09/2011.



TABULATI

Ubicazione STAZIONE CHIAIA

Opera \ \ P67

Strumento Barretta Est. per Metallo

Data posa in opera 03/09/2009

Data lettura di zero 03/09/2009

Ultima Misura 227 in data 22/01/2015

Letture n°	DATA	CH_P67_S1		CH_P67_S2		CH_P67_S3		CH_P67_S4		CH_P67_S5		CH_P67_S6	
		Micro strain [µε]	Temp. [°C]	Micro strain [µε]	Temp. [°C]	Micro strain [µε]	Temp. [°C]	Micro strain [µε]	Temp. [°C]	Micro strain [µε]	Temp. [°C]	Micro strain [µε]	Temp. [°C]
175	5/9/13 11:30			-178,5	13,9	-101,3	14,8	-167,9	13,3	-39,1	15,9	-140,3	14,6
176	12/9/13 10:00			-184,2	14,1	-112,3	14,9	-175,2	13,7	-47,7	16,2	-141,9	14,8
177	18/9/13 10:30			-196,0	13,8	-118,0	15,1	-180,5	13,6	-53,3	16,4	-136,6	14,9
178	25/9/13 11:00			-191,9	13,8	-113,5	14,8	-183,4	13,7	-52,1	16,5	-147,6	15,0
179	9/10/13 11:00			-178,9	13,2	-104,6	14,2	-174,4	13,1	-35,1	15,9	-130,9	14,7
180	14/10/13 10:00			-189,5	13,0	-99,3	14,3	-165,1	13,2	-28,6	16,1	-125,7	14,8
181	25/10/13 11:00			-184,2	13,1	-103,3	14,3	-159,8	13,3	-17,6	16,0	-124,0	14,6
182	29/10/13 11:30			-181,3	13,0	-97,7	14,1	-155,3	13,0	-16,0	15,8	-122,4	14,4
183	7/11/13 11:00			-167,5	12,8	-90,8	14,0	-149,7	12,8	-14,4	15,6	-120,8	14,2
184	12/11/13 11:30			-161,8	12,6	-85,1	13,8	-148,0	12,6	-11,1	15,2	-113,9	14,1
185	19/11/13 11:00			-159,0	12,5	-75,3	13,6	-146,4	12,4	-9,5	15,0	-111,1	14,0
186	3/12/13 12:00			-166,7	12,2	-81,8	13,4	-152,9	12,2	-24,1	14,8	-105,8	14,1
187	10/12/13 11:45			-161,0	12,0	-79,0	13,3	-147,2	12,0	-17,2	14,7	-108,2	13,9
188	9/1/14 11:00			-150,5	12,2	-72,1	13,2	-145,6	11,8	-10,3	14,6	-98,5	13,7
189	13/1/14 11:30			-160,2	12,4	-78,6	13,0	-155,0	11,7	-16,8	14,4	-107,8	13,6
190	21/1/14 11:00			-153,7	12,6	-69,2	13,1	-140,3	11,9	-23,3	14,2	-106,2	13,4
191	4/2/14 11:30			-164,3	12,4	-81,0	12,8	-152,1	11,6	-42,0	14,0	-122,0	13,1
192	11/2/14 11:00			-170,0	12,6	-78,2	12,7	-146,4	11,4	-31,4	14,2	-115,1	13,0
193	18/2/14 11:00			-168,3	12,4	-75,3	12,6	-152,9	11,2	-29,8	14,0	-118,0	13,1
194	25/2/14 10:00			-162,7	12,2	-73,7	12,4	-155,8	11,3	-35,5	14,2	-102,9	13,0
195	4/3/14 10:00			-173,6	12,3	-80,6	12,5	-158,6	11,4	-33,9	14,0	-96,4	13,2
196	11/3/14 12:00			-168,3	12,4	-79,0	12,3	-149,3	11,5	-28,6	14,1	-93,6	13,1
197	18/3/14 11:45			-162,7	12,2	-85,9	12,4	-144,0	11,6	-32,7	14,1	-86,7	13,0
198	25/3/14 12:00			-169,2	12,0	-80,2	12,2	-138,7	11,7	-25,8	14,0	-93,2	12,8
199	3/4/14 11:00			-174,9	12,2	-85,9	12,4	-144,4	11,9	-39,6	14,2	-97,7	13,1
200	9/4/14 11:30			-184,6	12,4	-90,4	12,7	-148,9	12,2	-45,2	14,4	-104,6	13,2
201	18/4/14 11:00			-178,9	12,2	-83,5	12,6	-151,7	12,3	-35,5	14,2	-99,3	13,3
202	29/4/14 11:00			-201,7	12,0	-77,8	12,4	-157,0	12,2	-33,9	14,0	-98,9	13,0
203	8/5/14 11:30			-206,1	12,3	-88,3	12,2	-171,6	12,0	-20,1	13,8	-105,8	13,1
204	15/5/14 11:00			-203,3	12,2	-86,7	12,0	-165,1	12,2	-27,0	13,9	-102,9	13,0
205	20/5/14 11:00			-210,6	12,6	-61,5	12,4	-144,0	12,6	-40,8	14,1	-76,5	13,5
206	27/5/14 11:00			-205,3	12,7	-76,6	12,5	-150,9	12,7	-37,9	14,0	-76,1	13,2
207	3/6/14 11:00			-216,3	12,8	-83,5	12,6	-160,6	12,9	-39,6	14,2	-86,7	13,0
208	10/6/14 11:00			-235,8	13,2	-108,2	12,9	-188,2	13,3	-64,7	14,8	-94,0	13,4
209	17/6/14 11:00			-237,8	13,7	-96,4	14,2	-190,3	13,8	-68,0	15,2	-96,0	13,9
210	24/6/14 11:00			-254,0	13,7	-118,0	14,1	-194,7	14,1	-84,2	15,2	-103,3	14,3
211	1/7/14 11:00			-267,8	13,9	-128,9	14,2	-205,7	14,2	-94,8	15,0	-109,0	14,5
212	8/7/14 10:00			-262,2	13,7	-131,8	14,3	-201,6	14,2	-101,7	15,1	-114,3	14,4
213	15/7/14 11:00			-271,9	13,9	-142,7	14,4	-191,1	14,4	-104,5	15,2	-103,7	14,6
214	24/7/14 11:00			-277,2	13,8	-141,1	14,2	-200,4	14,3	-98,9	15,0	-102,1	14,4
215	29/7/14 10:30			-271,5	13,6	-135,4	14,0	-207,3	14,4	-97,6	15,1	-96,4	14,2
216	19/8/14 10:30			-280,9	13,5	-134,2	14,1	-205,7	14,2	-107,0	15,0	-102,9	14,0
217	26/8/14 10:30			-278,0	13,4	-137,1	14,2	-200,4	14,3	-92,4	15,2	-92,4	14,2
218	2/9/14 14:00			-268,3	13,2	-139,9	14,3	-191,1	14,4	-86,7	15,0	-98,9	14,0
219	9/9/14 11:00			-278,8	13,0	-139,5	14,0	-203,3	14,4	-102,9	14,0	-101,7	14,1
220	16/9/14 11:00			-289,4	12,8	-148,8	13,9	-212,2	14,0	-117,6	13,8	-111,1	14,0
221	1/10/14 11:00			-283,7	12,6	-140,3	13,6	-209,0	13,6	-96,8	13,5	-99,7	13,6
222	14/10/14 11:00			-286,5	12,7	-143,2	13,7	-202,0	13,5	-91,6	13,6	-90,3	13,7
223	5/11/14 11:00			-279,6	12,6	-133,8	13,8	-207,7	13,7	-102,1	13,4	-88,7	13,5
224	19/11/14 11:00			-281,3	12,8	-140,3	13,6	-206,1	13,5	-100,5	13,2	-79,4	13,6
225	2/12/14 11:00			-286,5	12,7	-145,6	13,5	-200,8	13,6	-97,7	13,1	-73,7	13,4
226	19/12/14 11:00			-291,8	12,6	-152,5	13,6	-210,2	13,5	-100,5	13,2	-80,2	13,2
227	22/1/15 11:00			-286,1	12,4	-159,0	13,4	-215,5	13,4	-98,9	13,0	-86,7	13,0



Ubicazione STAZIONE CHIAIA
Opera \ \ P67
Strumento Barretta Est. per Metallo
Data posa in opera 03/09/2009
Data lettura di zero 03/09/2009

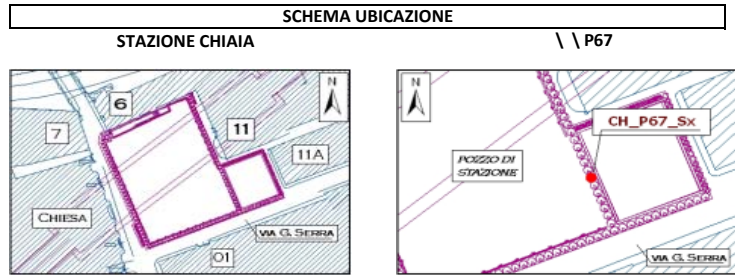


GRAFICO MICROSTRAIN

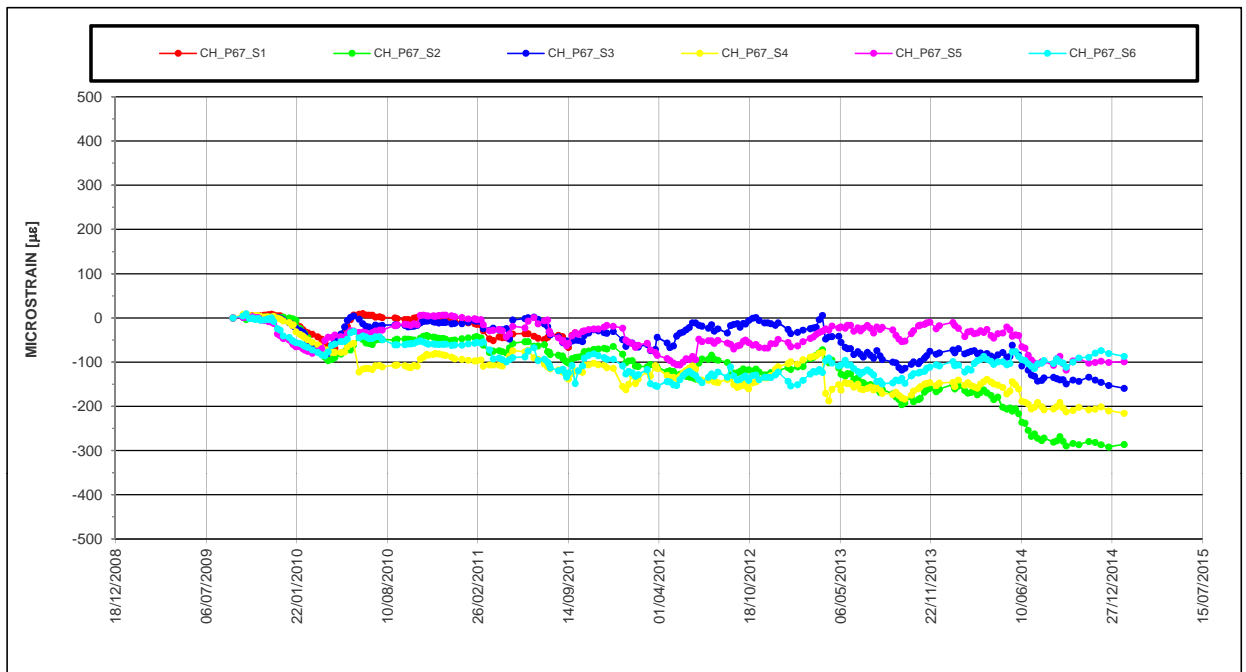
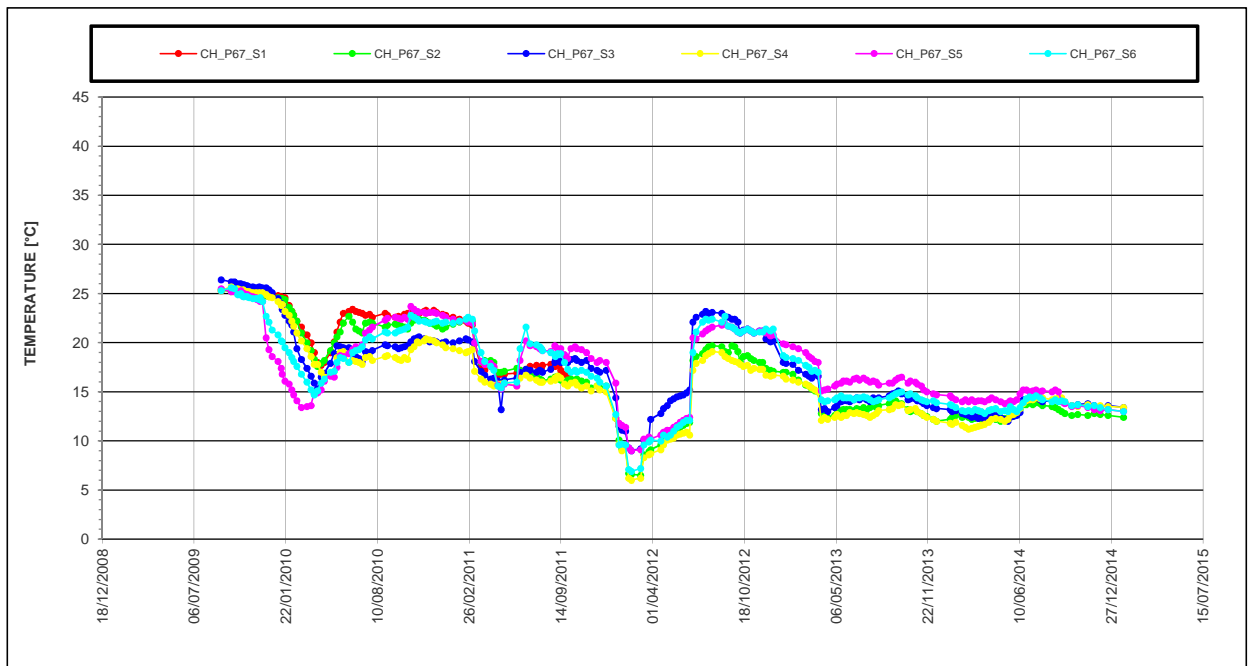
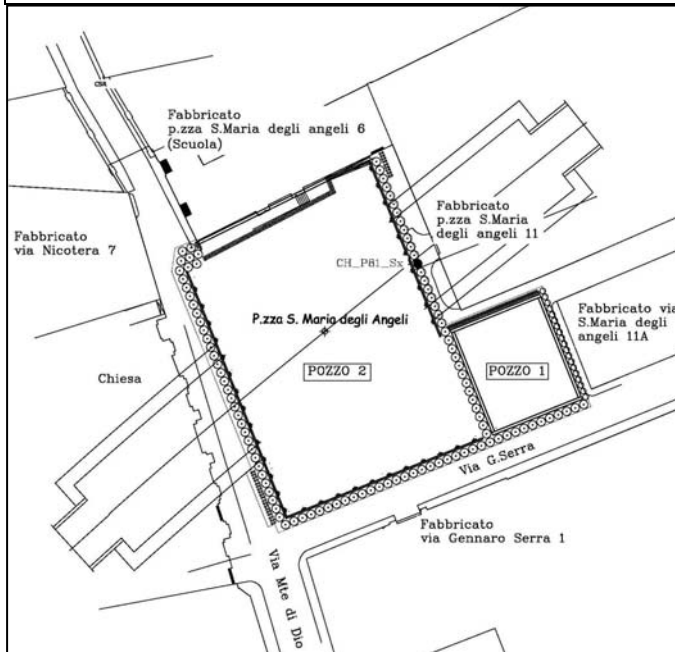


GRAFICO TEMPERATURE

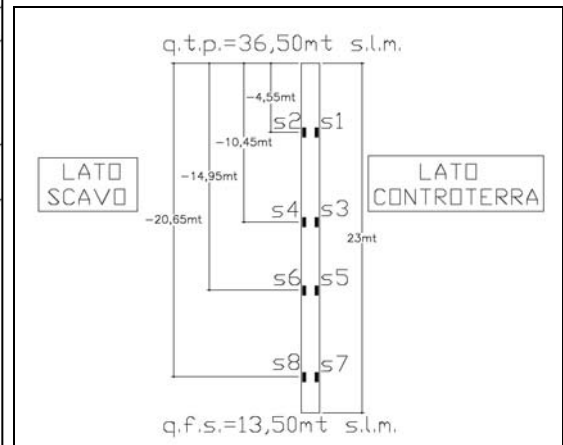


Pannello strumentato

CH_P81



SCHEMA INSTALLAZIONE
STRUMENT. GEOTECNICA (BECV
PER METALLO)
PALO N°81



Le barrette con numero progressivi dispari (s1,s3,s5,s7) sono installate lato contro terra, mentre quelle con numero pari (s2,s4,s6,s8) sono poste lato scavo; la direzione di installazione è parallela all'asse di scavo.

Affidabilità strumentale

A.T.I. LM6 – TreEsse

buono
da rivedere

da scartare

X

Congruenza progettuale

C.T. ATI LM6 – C.T.

Monitoraggio

congruente
non congruente, da valutare
non congruente con implicazioni
sulla sicurezza

NOTE

La barretta estensimetrica a c.v. CH_P81_S7 non è funzionante.

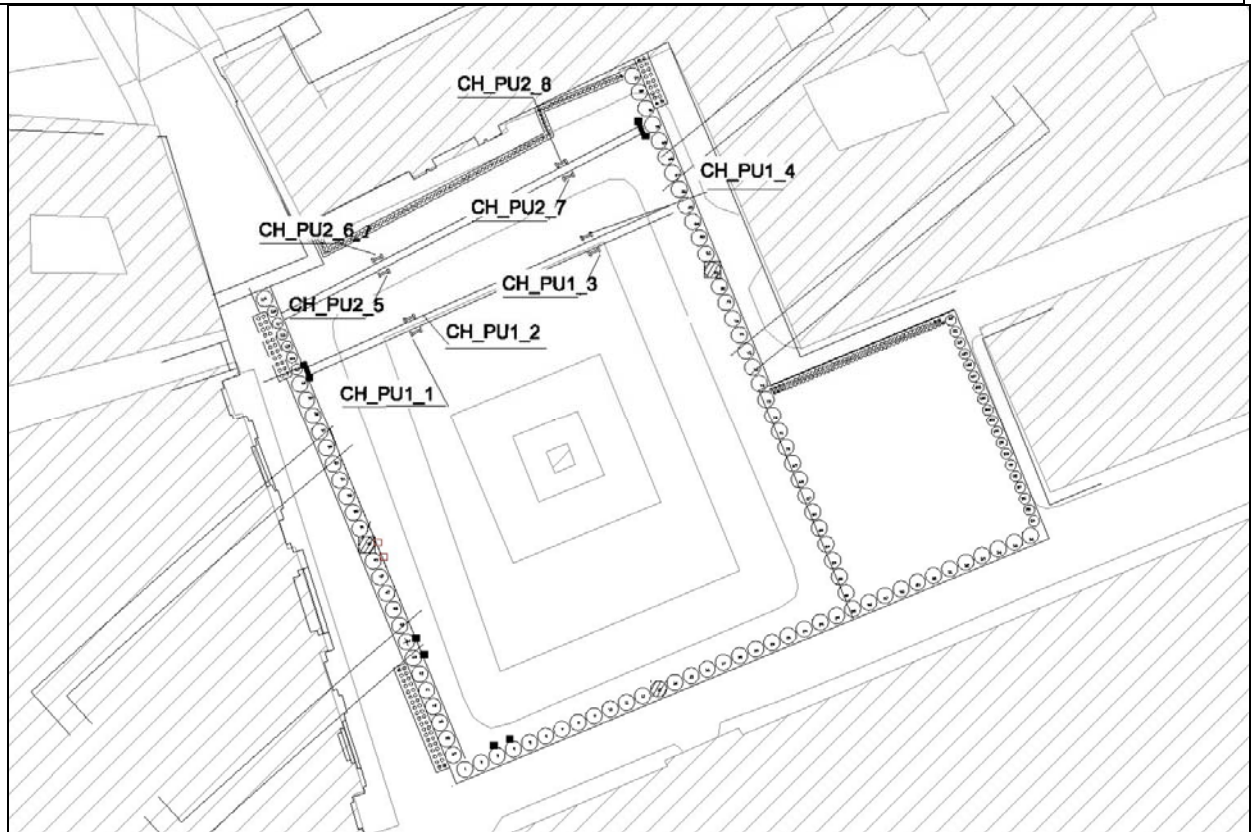
La barretta estensimetrica a c.v. CH_P81_S4 dalla data 25/03/10 non restituisce segnale

Le restanti barrette estensimetriche restituiscono valore discontinuo dal 20/04/2011

L'ultima misura disponibile è riportata nel report APR 2011 con codifica: LM6 7FX 2C I 00

Puntoni strumentati

CH_PU1 CH_PU2



Affidabilità strumentale

A.T.I. LM6 – TreEsse

buono
da rivedere
da scartare

X

Congruenza progettuale

C.T. ATI LM6 – C.T.
Monitoraggio

congruente
non congruente, da valutare
non congruente con implicazioni
sulla sicurezza

NOTE

La Barretta estensimetrica CH_PU2_6 risulta danneggiata e non restituisce valore.

La Barretta estensimetrica CH_PU2_6_1 sostituisce la CH_PU2_6_1

Ubicazione **STAZIONE CHIAIA**

Opera \ \ **Puntone 1**

Strumento **Barretta Est. per Metallo**

Data posa in opera **14/09/2011**

Data lettura di zero **14/09/2011**

Ultima Misura **137** in data **22/01/2015**

Letture n°	DATA	CH_PU1_S1		CH_PU1_S2		CH_PU1_S3		CH_PU1_S4	
		Micro strain [µε]	Temp. [°C]	Micro strain [µε]	Temp. [°C]	Micro strain [µε]	Temp. [°C]	Micro strain [µε]	Temp. [°C]
85	5/9/13 11:00	16,0	30,8	-0,2	30,6	63,2	31,0	56,2	30,9
86	12/9/13 11:30	1,0	28,9	4,6	29,0	47,3	28,7	42,0	28,4
87	18/9/13 11:00	3,8	26,8	1,8	27,1	39,9	27,1	61,9	26,7
88	25/9/13 10:00	-30,4	24,0	-32,0	24,0	29,3	23,9	46,8	23,8
89	9/10/13 11:00	-37,3	23,1	-38,9	22,1	31,8	23,1	51,7	22,2
90	14/10/13 11:30	-30,4	23,0	-39,3	22,4	38,7	23,0	53,3	22,0
91	25/10/13 11:00	-19,0	22,6	-19,8	22,0	43,5	22,4	68,7	21,6
92	29/10/13 11:30	-33,2	22,1	-18,2	21,8	50,8	22,0	72,0	21,2
93	7/11/13 11:00	-46,2	21,7	-17,8	21,5	58,1	21,6	74,0	20,7
94	12/11/13 11:30	-43,0	21,3	-14,6	21,1	57,3	21,2	78,4	20,4
95	19/11/13 11:00	-42,6	21,0	-11,7	21,0	58,9	21,0	91,0	20,1
96	5/12/13 14:00	-30,8	20,3	-4,4	20,6	71,9	20,4	101,2	19,6
97	10/12/13 12:30	-26,4	20,0	2,9	20,2	80,9	19,8	108,5	19,2
98	9/1/14 12:30	-41,4	18,1	13,4	19,4	92,6	19,1	123,1	18,4
99	13/1/14 12:00	-53,2	17,8	0,4	19,0	83,3	19,0	100,3	18,2
100	21/1/14 11:30	-72,7	15,2	-124,3	15,1	-6,5	17,3	4,0	16,3
101	4/2/14 11:00	-77,2	14,5	-130,0	14,3	-68,7	15,2	-52,8	15,3
102	11/2/14 11:30	-79,3	14,0	-126,8	13,9	-69,5	14,8	-89,4	14,3
103	18/2/14 11:00	-87,0	13,7	-126,4	13,6	-72,8	14,2	-89,0	14,0
104	25/2/14 10:00	-94,7	13,4	-124,8	13,4	-85,4	13,5	-91,4	13,8
105	4/3/14 10:00	-93,1	13,2	-117,0	13,7	-76,0	13,6	-78,4	14,2
106	11/3/14 12:00	-86,6	13,4	-123,9	13,8	-70,7	13,7	-76,8	14,0
107	18/3/14 11:30	-89,4	13,5	-122,3	13,6	-67,9	13,6	-75,2	13,8
108	25/3/14 12:00	-93,5	13,5	-125,2	13,7	-74,8	13,7	-73,6	13,6
109	3/4/14 11:00	-95,1	13,7	-126,8	13,9	-80,5	13,9	-82,1	13,9
110	9/4/14 12:00	-108,9	13,9	-131,2	14,2	-86,2	14,1	-90,6	14,2
111	18/4/14 11:00	-102,4	14,1	-126,0	14,3	-72,8	14,2	-97,1	14,0
112	29/4/14 11:30	-99,6	14,0	-120,7	14,4	-82,5	14,4	-95,9	14,1
113	8/5/14 11:00	-105,3	14,2	-134,5	14,6	-76,0	14,6	-85,3	14,3
114	15/5/14 10:00	-99,6	14,0	-132,9	14,4	-76,8	14,2	-79,7	14,1
115	20/5/14 11:00	-59,3	16,3	-118,2	16,6	-81,7	16,8	-93,4	16,3
116	27/5/14 11:00	-64,2	16,9	-110,5	16,9	-79,6	17,3	-94,2	16,9
117	3/6/14 11:00	-67,4	17,3	-110,9	17,2	-80,4	17,9	-95,0	17,5
118	10/6/14 11:00	-72,3	17,9	-118,6	17,9	-67,4	18,3	-110,5	17,9
119	16/6/14 11:00	-31,3	18,6	-96,3	18,4	-53,6	19,1	-73,5	18,6
120	24/6/14 11:00	-31,7	18,9	-99,5	18,8	-60,9	19,5	-80,0	19,4
121	1/7/14 10:00	-40,6	19,5	-104,4	19,4	-72,3	19,9	-82,0	19,9
122	8/7/14 10:30	-1,9	26,0	-47,8	25,7	-19,8	26,2	-32,4	26,3
123	15/7/14 11:30	3,4	26,1	-53,5	25,9	-29,5	26,4	-40,9	26,6
124	24/7/14 11:30	-1,9	26,0	-56,3	26,0	-23,8	26,2	-47,8	26,7
125	29/7/14 11:30	-0,3	26,8	-62,0	27,2	-21,0	27,1	-52,7	27,3
126	19/8/14 11:00	3,0	26,4	-56,3	27,0	-20,6	26,8	-50,6	26,8
127	26/8/14 11:00	6,2	26,0	-45,0	26,6	-11,7	26,2	-45,8	26,2
128	2/9/14 14:00	16,0	25,8	-35,2	26,4	-4,4	25,8	-38,5	25,8
129	9/9/14 11:00	5,4	25,6	-47,0	26,1	-19,0	25,6	-49,0	25,6
130	16/9/14 12:00	5,8	25,3	-64,5	25,0	-30,8	25,3	-59,6	25,4
131	1/10/14 12:00	6,2	25,0	-61,2	24,6	-20,6	24,8	-51,1	25,1
132	14/10/14 12:00	-7,6	24,2	-49,0	24,6	-11,7	24,2	-47,4	24,4
133	5/11/14 11:00	0,1	23,5	-46,6	23,8	-2,8	23,6	-40,9	23,6
134	19/11/14 13:30	7,4	23,1	-69,4	21,6			-22,3	22,8
135	2/12/14 12:30	4,5	23,2	-75,9	21,4			-23,1	22,4
136	19/12/14 12:30	-6,0	23,0	-81,6	21,6			-29,6	22,2
137	22/1/15 12:30	-15,0	22,6	-79,6	21,1			-40,2	21,0



Ubicazione STAZIONE CHIAIA
Opera \ \ Puntone 1
Strumento Barretta Est. per Metallo
Data posa in opera 14/09/2011
Data lettura di zero 14/09/2011

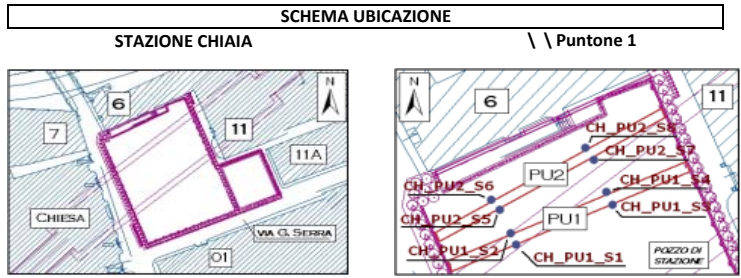


GRAFICO MICROSTRAIN

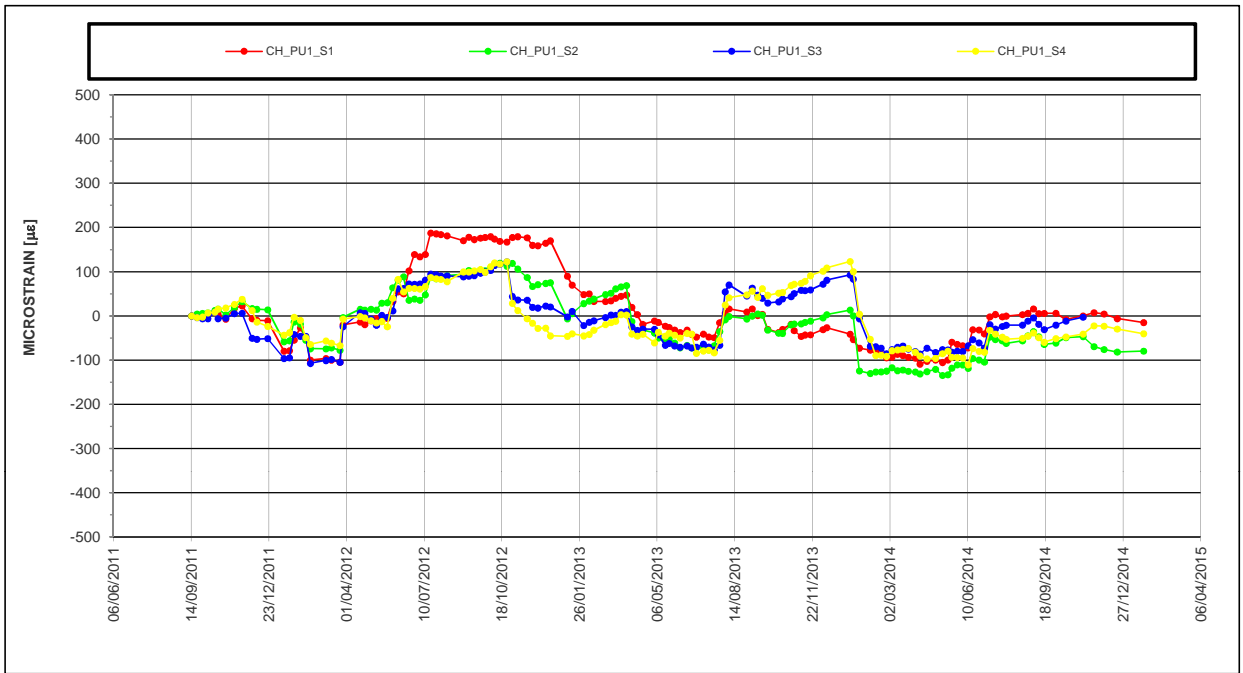
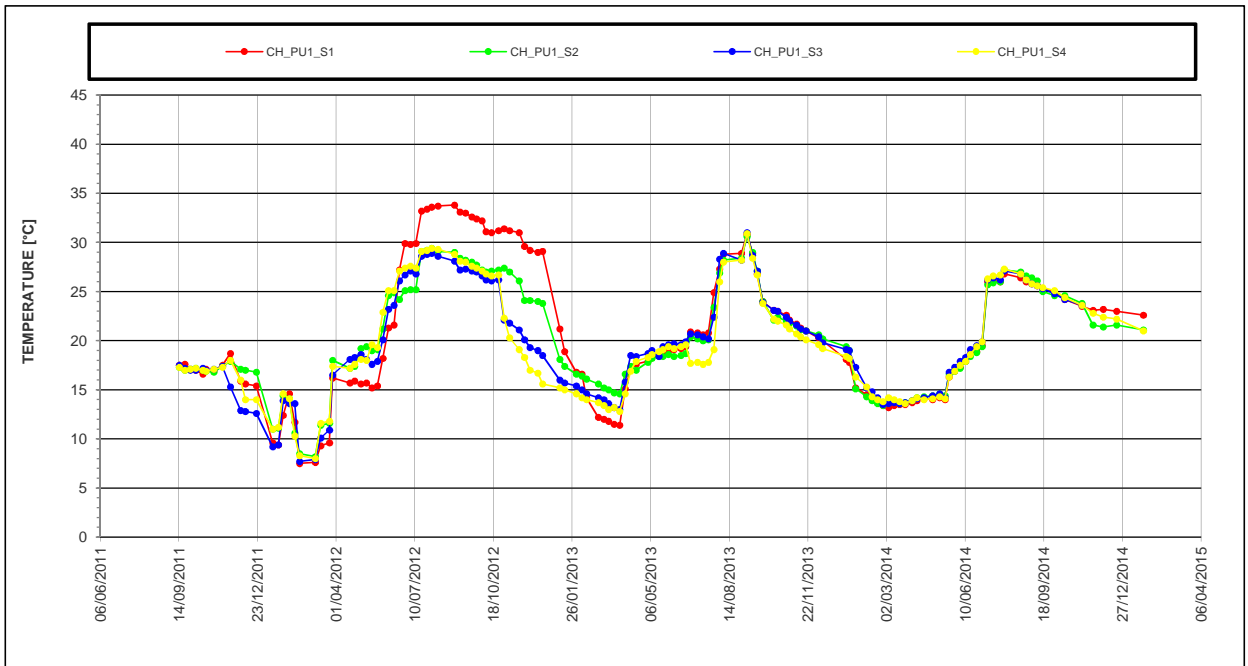


GRAFICO TEMPERATURE





TABULATI

Ubicazione STAZIONE CHIAIA

Opera \ \ Puntone 2

Strumento Barretta Est. per Metallo

Data posa in opera 14/09/2011

Data lettura di zero 14/09/2011

Ultima Misura 138 in data 22/01/2015

Letture n°	DATA	CH_PU2_S5		CH_PU2_S6		CH_PU2_S6_1		CH_PU2_S7		CH_PU2_S8	
		Micro strain [µε]	Temp. [°C]	Micro strain [µε]	Temp. [°C]	Micro strain [µε]	Temp. [°C]	Micro strain [µε]	Temp. [°C]	Micro strain [µε]	Temp. [°C]
86	5/9/13 11:00	-54,2	31,3			36,7	31,6	-15,2	31,6	72,1	31,8
87	12/9/13 11:30	-74,2	29,0			13,5	28,7	-36,4	28,2	41,2	28,6
88	18/9/13 11:00	-89,2	27,1			11,5	26,2	-42,9	26,0	39,5	26,8
89	25/9/13 10:00	-109,2	23,8			9,8	23,4	-72,6	22,9	38,3	23,7
90	9/10/13 11:00	-88,9	22,8			13,9	22,4	-66,6	21,4	41,1	22,6
91	14/10/13 11:30	-89,7	22,4			15,5	22,2	-56,0	21,6	54,5	22,7
92	25/10/13 11:00	-86,5	22,0			25,2	22,0	-52,8	21,2	69,5	22,6
93	29/10/13 11:30	-80,8	21,8			30,9	21,8	-47,1	21,0	75,2	22,4
94	7/11/13 11:00	-76,3	21,5			35,4	21,5	-42,6	20,7	82,5	22,0
95	12/11/13 11:30	-66,2	21,0			42,7	21,1	-35,3	20,3	89,8	21,6
96	19/11/13 11:00	-76,7	20,8			45,5	21,0	-34,9	20,0	91,4	21,4
97	5/12/13 14:00	-75,9	20,2			56,1	20,2	-17,9	19,4	112,6	20,8
98	10/12/13 12:30	-69,8	19,7			65,0	19,6	-10,6	19,0	130,8	20,3
99	9/1/14 12:30	-52,8	19,1			84,9	18,9	8,1	18,2	148,7	19,1
100	13/1/14 12:00	-68,6	18,8			74,3	18,7	-2,4	18,0	135,7	18,7
101	21/1/14 11:30	-93,5	16,1			7,7	16,9	-71,9	16,3	30,4	16,4
102	4/2/14 11:00	-90,6	16,0			-57,7	15,2	-133,3	14,6	-37,0	15,2
103	11/2/14 11:30	-93,5	16,1			-78,5	14,5	-126,4	14,5	-86,2	14,5
104	18/2/14 11:00	-97,5	16,1			-89,8	13,9	-138,2	14,2	-61,4	14,2
105	25/2/14 10:00	-90,6	16,0			-104,1	13,4	-132,5	14,0	-56,1	14,3
106	4/3/14 10:00	-100,4	16,2			-100,8	13,0	-143,0	13,8	-65,5	14,2
107	11/3/14 12:00	-103,6	15,6			-102,9	12,5	-139,0	13,8	-70,7	14,1
108	18/3/14 11:30	-90,6	16,0			-121,1	12,0	-137,4	13,6	-76,0	14,0
109	25/3/14 12:00	-102,0	15,4			-122,0	11,6	-147,9	13,4	-83,7	13,7
110	3/4/14 11:00	-86,1	15,7			-133,3	12,0	-153,6	13,6	-92,3	14,0
111	9/4/14 12:00	-84,9	15,8			-140,6	12,4	-162,1	13,9	-106,1	14,2
112	18/4/14 11:00	-79,2	15,6			-151,2	12,2	-152,4	13,7	-111,4	14,1
113	29/4/14 11:30	-89,8	15,4			-155,7	12,5	-144,7	14,0	-121,1	14,3
114	8/5/14 11:00	-107,7	15,6			-167,0	12,9	-157,3	14,3	-126,8	14,5
115	15/5/14 10:00	-94,3	15,7			-160,5	13,1	-170,7	14,2	-121,1	14,3
116	20/5/14 11:00	-120,7	17,2			-44,7	15,6	-132,0	16,7	-58,1	16,8
117	27/5/14 11:00	-120,2	17,9			-41,5	16,2	-128,8	17,3	-57,7	17,5
118	3/6/14 11:00	-111,3	18,3			-41,1	16,9	-141,8	17,9	-62,6	18,1
119	10/6/14 11:00	-121,4	18,8			-47,1	17,4	-134,4	18,5	-58,1	18,8
120	16/6/14 11:00	-101,9	19,4			-17,9	17,8	-101,5	19,2	-22,7	19,7
121	24/6/14 11:00	-112,1	19,9			-36,2	18,3	-110,5	19,8	-39,8	20,3
122	1/7/14 10:00	-111,3	20,3			-38,2	18,8	-110,0	20,5	-52,4	20,6
123	8/7/14 10:30	-76,7	25,8			-7,2	24,0	-73,8	25,8	-28,3	24,9
124	15/7/14 11:30	-87,6	25,9			-11,7	24,3	-84,8	25,9	-35,2	25,0
125	24/7/14 11:30	-94,5	26,0			-2,8	24,7	-78,3	26,1	-35,6	25,3
126	29/7/14 11:30	-91,7	26,9			5,8	26,4	-81,1	27,2	-25,5	26,8
127	19/8/14 11:00	-88,4	26,5			6,2	26,1	-77,9	26,8	-15,7	26,6
128	26/8/14 11:00	-105,5	26,1			-12,5	25,9	-97,4	26,2	-14,9	26,0
129	2/9/14 14:00	-105,1	25,8			-6,4	25,4	-107,9	26,0	-11,7	25,6
130	9/9/14 11:00	-115,7	25,6			-4,8	25,2	-98,2	25,8	-10,1	25,4
131	16/9/14 12:00	-126,2	25,4			-15,3	25,0	-119,3	25,4	-20,6	25,2
132	1/10/14 12:00	-114,9	25,0			-8,0	24,6	-110,8	25,1	-18,6	24,7
133	14/10/14 12:00	-104,7	24,5			-2,0	24,1	-101,9	24,5	-5,6	24,1
134	5/11/14 11:00	-91,7	23,9			4,1	23,6	-94,2	23,8	-0,7	23,5
135	19/11/14 13:30	-138,5	22,4			6,2	23,1	-78,3	23,1	9,4	23,0
136	2/12/14 12:30	-146,6	22,4			13,9	23,4	-62,5	23,4	7,4	22,5
137	19/12/14 12:30	-139,7	22,3			3,3	23,2	-73,0	23,2	-1,6	22,1
138	22/1/15 12:30	-151,5	22,0			-15,4	22,0	-79,5	23,0	-19,0	21,0



Ubicazione STAZIONE CHIAIA
Opera \ \ Puntone 2
Strumento Barretta Est. per Metallo
Data posa in opera 14/09/2011
Data lettura di zero 14/09/2011

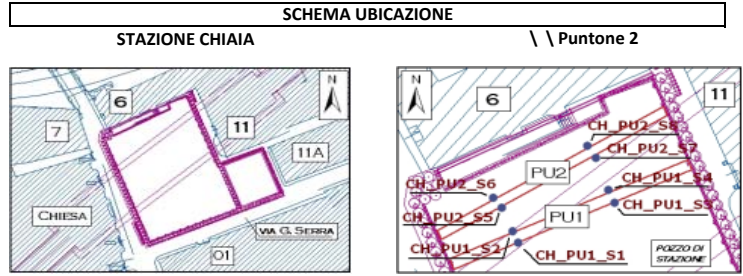


GRAFICO MICROSTRAIN

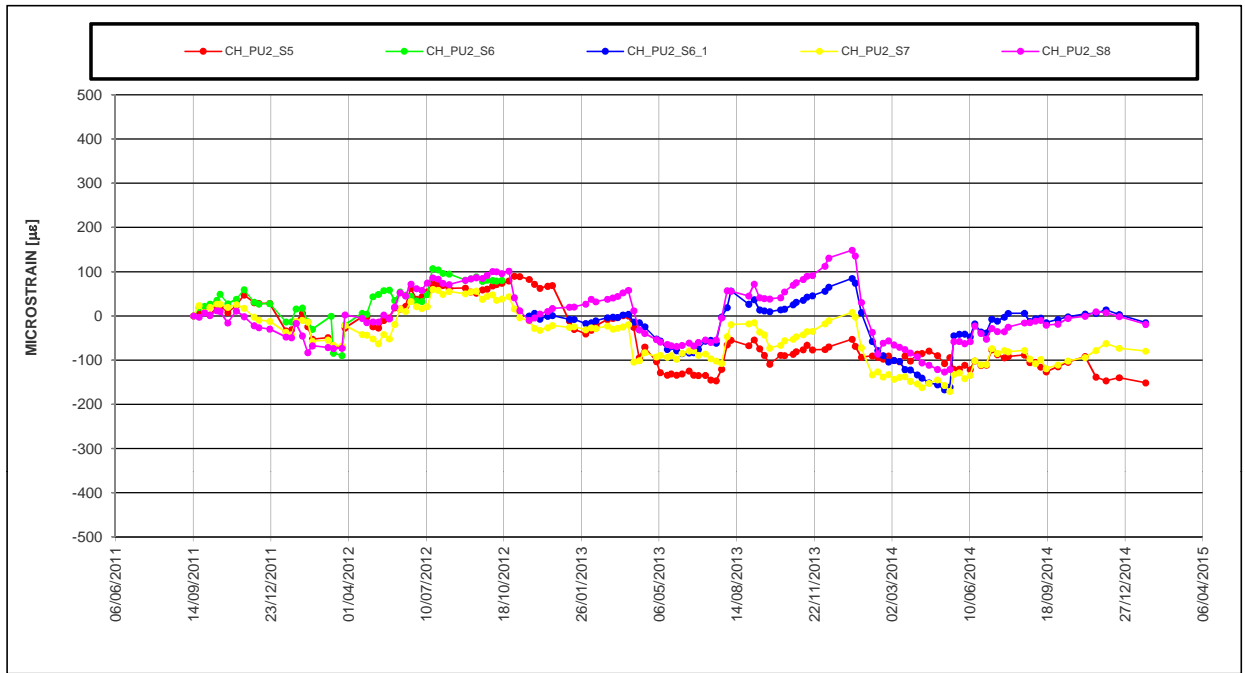
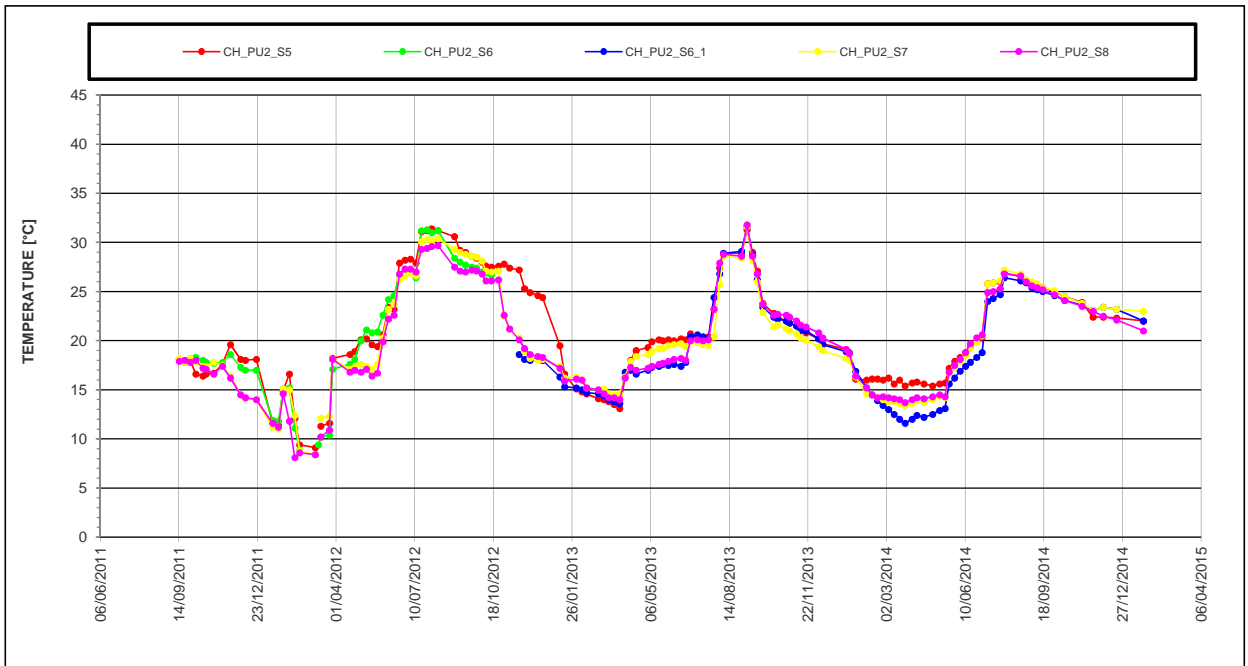



GRAFICO TEMPERATURE



 <p>Ansaldo STS A Finmeccanica Company</p>	<p>LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO</p> <p><i>OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO</i></p> <p><i>REPORT DELLE MISURE - STAZIONE CHIAIA</i></p>	<p>LM6 7FX 2C I 38 Data: 30/01/15 Metropolit. di Napoli A.T.I. LM6 TreEsse Engineering S.r.l.</p>
---	--	---

9. MISURE GEOTECNICHE – CELLE DI CARICO TOROIDALI

Le celle di carico toroidali a compressione, costituite da un anello di acciaio di diverso diametro in funzione alla tipologia di utilizzo, trovano applicazione nel controllo della tesatura di tiranti o di bulloni per chiodature in roccia o nel terreno; servono inoltre per tenere sotto controllo gli stessi durante il servizio evidenziando eventuali rilasci o sovraccarichi tensionali.

Le celle, sottoposte ad un carico, subiscono una deformazione che viene rilevata dagli estensimetri, i quali variando il loro valore di resistenza, generano in uscita un segnale elettrico proporzionale al carico applicato.


 <p>Ansaldo STS A Finmeccanica Company</p>	<p>LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO</p> <p>OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO REPORT DELLE MISURE - STAZIONE CHIAIA</p>	<p>LM6 7FX 2C I 38 Data: 30/01/15 Metropolit. di Napoli A.T.I. LM6 TreEsse Engineering S.r.l.</p>
---	---	---

Tabelle riepilogative per le Celle di Carico toroidali installate in cantiere.

Tabella Celle di Carico Primo Ordine di Tiranti

NOME	TIPOLOGIA STRUMENTO	DATA INSTALLAZIONE	DISPONIBILITA' LETTURA			NOTE
			DATA LETTURA DI ZERO	PERIODO INTERRUZIONE	DATA FINE ATTIVITA'	
CH_CC1	CC.TOROIDALI	16/05/11	16/05/11			
CH_CC2	CC.TOROIDALI	16/05/11	16/05/11			
CH_CC3	CC.TOROIDALI	16/05/11	16/05/11			
CH_CC4	CC.TOROIDALI	16/05/11	16/05/11			

Tabella Celle di Carico Secondo Ordine di Tiranti

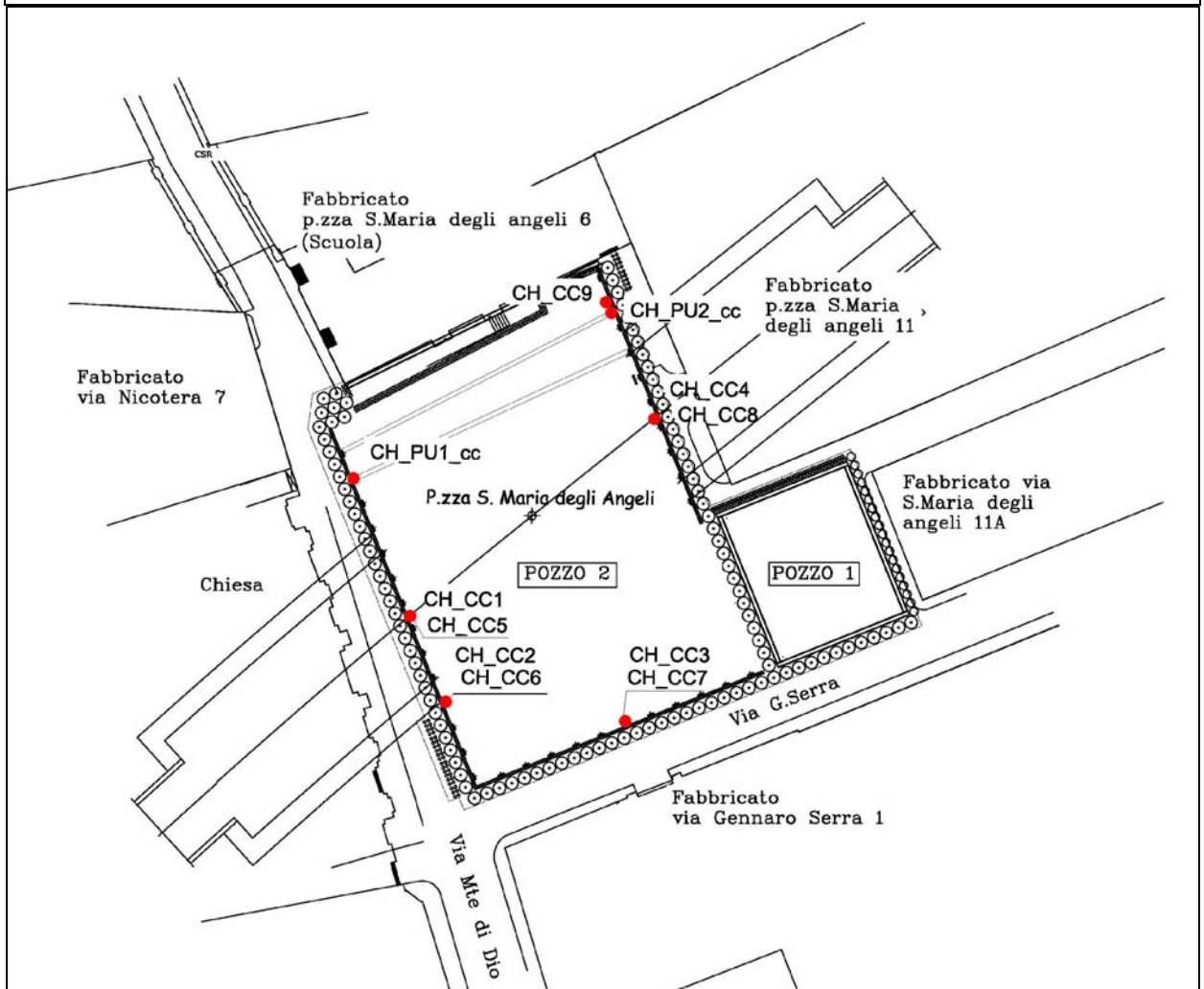
NOME	TIPOLOGIA STRUMENTO	DATA INSTALLAZIONE	DISPONIBILITA' LETTURA			NOTE
			DATA LETTURA DI ZERO	PERIODO INTERRUZIONE	DATA FINE ATTIVITA'	
SECONDO ORDINE DI TIRANTI						
CH_CC5	CC. TOROIDALI	02/08/11	02/08/11			
CH_CC6	CC. TOROIDALI	02/08/11	02/08/11			
CH_CC7	CC. TOROIDALI	16/05/11	19/07/11			
CH_CC8	CC. TOROIDALI	16/05/11	19/07/11			
CH_CC9	CC. TOROIDALI	02/04/12	02/04/12			

Tabella Celle di Carico Puntoni

NOME	TIPOLOGIA STRUMENTO	DATA INSTALLAZIONE	DISPONIBILITA' LETTURA			NOTE
			DATA LETTURA DI ZERO	PERIODO INTERRUZIONE	DATA FINE ATTIVITA'	
PUNTONI						
CH_PU1_CC	CC. TOROIDALI	14/09/11	14/09/11			
CH_PU2_CC	CC. TOROIDALI	14/09/11	14/09/11			

Celle di Carico

CH_CC1-9 / CH_PU1-2_CC



Affidabilità strumentale
A.T.I. LM6 – TreEsse

buono
da rivedere
da scartare

X

Congruenza progettuale
C.T. ATI LM6 – C.T. Monitoraggio

congruente
non congruente, da valutare
non congruente con implicazioni sulla
sicurezza

NOTE


TABULATI
Ubicazione STAZIONE CHIAIA

Tipo Strumento Cella di Carico

Posizione \ \ 1° Ordine Di Tiranti

Data posa in opera 16/05/2011

Data lettura di zero 16/06/2011

**Ultima
misura**

165

in data

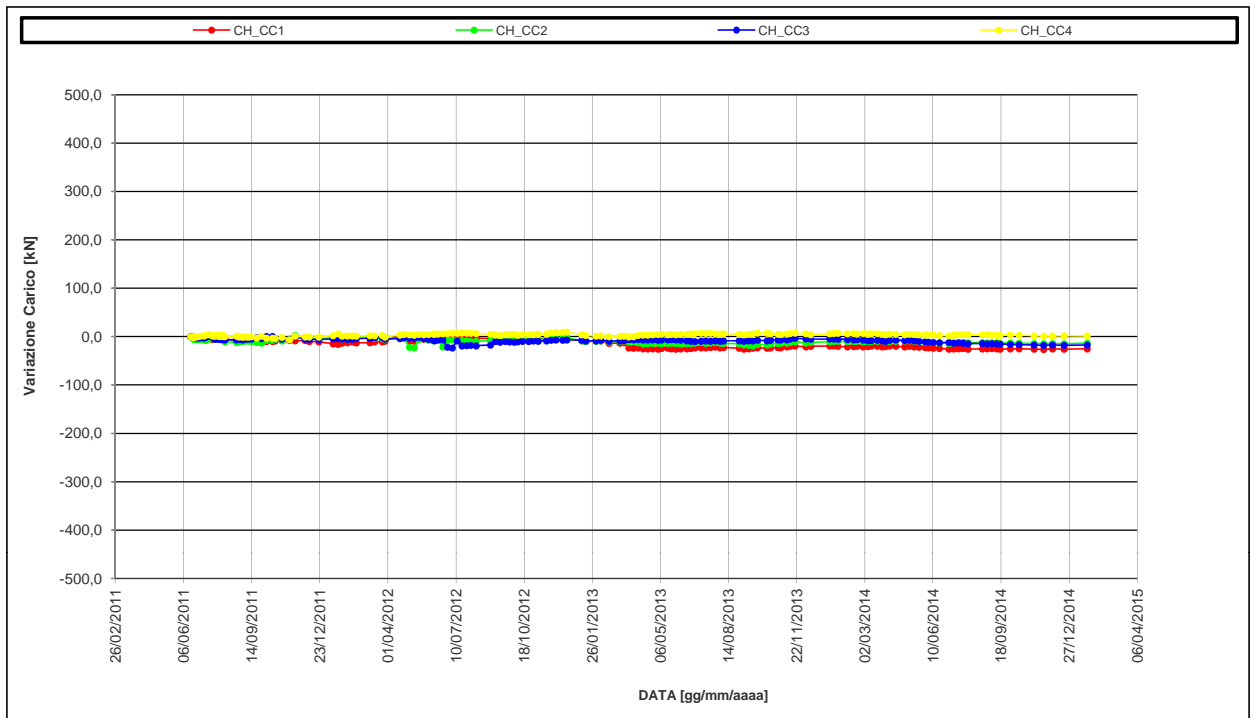
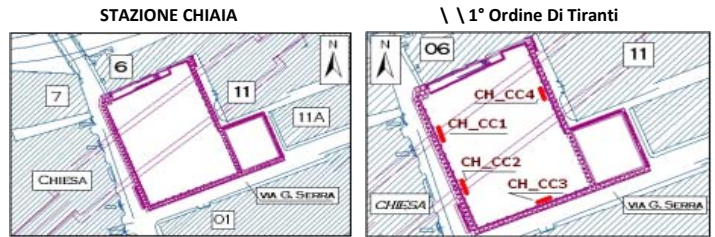
22/01/2015

Letture n°	DATA	CH_CC1		CH_CC2		CH_CC3		CH_CC4	
		Δ Carico [kN]	Carico [kN]	Δ Carico [kN]	Carico [kN]	Δ Carico [kN]	Carico [kN]	Δ Carico [kN]	Carico [kN]
112	06/08/2013 12:30	-22,50	278,47	-14,01	286,07	-9,00	320,53	6,00	291,88
113	29/08/2013 12:30	-24,00	276,97	-15,01	285,07	-8,50	321,03	5,00	290,88
114	05/09/2013 10:30	-26,00	274,97	-17,01	283,07	-9,50	320,03	4,00	289,88
115	12/09/2013 11:00	-25,00	275,97	-18,01	282,07	-8,50	321,03	5,00	290,88
116	18/09/2013 11:30	-24,00	276,97	-19,01	281,07	-9,00	320,53	5,50	291,38
117	25/09/2013 11:30	-23,00	277,97	-16,01	284,07	-7,50	322,03	7,50	293,38
118	09/10/2013 10:30	-24,00	276,97	-17,01	283,07	-8,50	321,03	7,00	292,88
119	14/10/2013 10:30	-23,50	277,47	-15,01	285,07	-7,50	322,03	6,00	291,88
120	25/10/2013 11:30	-22,50	278,47	-14,01	286,07	-6,50	323,03	5,00	290,88
121	29/10/2013 11:00	-23,00	277,97	-13,51	286,58	-7,00	322,53	4,50	290,38
122	07/11/2013 11:00	-21,00	279,97	-13,01	287,08	-6,50	323,03	5,50	291,38
123	12/11/2013 10:30	-20,00	280,97	-12,01	288,08	-4,50	325,03	6,50	292,38
124	19/11/2013 11:00	-19,50	281,47	-11,01	289,08	-3,50	326,03	7,50	293,38
125	05/12/2013 11:00	-21,00	279,97	-13,01	287,08	-4,50	325,03	6,00	291,88
126	12/12/2013 10:30	-20,00	280,97	-12,01	288,08	-5,50	324,03	4,00	289,88
127	09/01/2014 11:00	-19,50	281,47	-10,51	289,58	-4,50	325,03	6,00	291,88
128	15/01/2014 10:30	-19,00	281,97	-10,01	290,08	-5,00	324,53	6,50	292,38
129	21/01/2014 11:00	-20,00	280,97	-9,51	290,58	-5,50	324,03	7,00	292,88
130	04/02/2014 11:30	-21,00	279,97	-10,51	289,58	-6,00	323,53	6,00	291,88
131	13/02/2014 11:00	-20,50	280,47	-10,01	290,08	-6,50	323,03	6,50	292,38
132	18/02/2014 11:00	-20,00	280,97	-9,51	290,58	-6,00	323,53	5,50	291,38
133	27/02/2014 11:00	-21,00	279,97	-11,01	289,08	-7,00	322,53	6,50	292,38
134	06/03/2014 11:00	-20,50	280,47	-10,51	289,58	-8,50	321,03	5,50	291,38
135	11/03/2014 12:00	-19,50	281,47	-10,01	290,08	-8,00	321,53	6,00	291,88
136	20/03/2014 11:00	-20,00	280,97	-9,51	290,58	-7,50	322,03	6,50	292,38
137	27/03/2014 14:00	-21,00	279,97	-9,00	291,08	-8,50	321,03	5,00	290,88
138	01/04/2014 10:30	-20,50	280,47	-8,50	291,58	-9,50	320,03	4,00	289,88
139	07/04/2014 12:00	-19,50	281,47	-10,01	290,08	-7,50	322,03	5,50	291,38
140	16/04/2014 12:00	-20,00	280,97	-9,51	290,58	-7,00	322,53	5,00	290,88
141	29/04/2014 11:00	-21,00	279,97	-9,00	291,08	-8,00	321,53	4,00	289,88
142	06/05/2014 11:00	-20,00	280,97	-8,50	291,58	-7,50	322,03	5,00	290,88
143	13/05/2014 11:00	-21,00	279,97	-9,51	290,58	-8,50	321,03	4,50	290,38
144	20/05/2014 11:00	-22,00	278,97	-10,01	290,08	-9,50	320,03	4,00	289,88
145	29/05/2014 11:00	-22,50	278,47	-11,01	289,08	-10,50	319,03	3,50	289,38
146	03/06/2014 11:00	-23,00	277,97	-11,51	288,58	-11,50	318,03	4,00	289,88
147	10/06/2014 11:00	-24,00	276,97	-12,01	288,08	-12,00	317,53	4,00	289,88
148	19/06/2014 11:00	-24,50	276,47	-13,01	287,08	-12,50	317,03	2,50	288,38
149	03/07/2014 11:00	-26,00	274,97	-14,01	286,07	-12,00	317,53	2,00	287,88
150	10/07/2014 11:00	-25,50	275,47	-13,01	287,08	-13,50	316,03	3,00	288,88
151	17/07/2014 11:00	-25,00	275,97	-12,01	288,08	-13,00	316,53	4,00	289,88
152	24/07/2014 11:00	-24,50	276,47	-11,51	288,58	-13,50	316,03	4,50	290,38
153	31/07/2014 12:00	-26,00	274,97	-12,51	287,58	-14,50	315,03	4,00	289,88
154	21/08/2014 12:00	-25,50	275,47	-12,01	288,08	-14,00	315,53	4,00	289,88
155	28/08/2014 12:00	-25,00	275,97	-12,51	287,58	-15,00	314,53	4,50	290,38
156	04/09/2014 11:00	-24,50	276,47	-13,01	287,08	-14,00	315,53	3,00	288,88
157	11/09/2014 11:00	-25,00	275,97	-12,51	287,58	-14,50	315,03	2,50	288,38
158	16/09/2014 10:00	-26,00	274,97	-14,01	286,07	-15,50	314,03	3,00	288,88
159	01/10/2014 10:00	-25,50	275,47	-13,01	287,08	-16,00	313,53	3,50	289,38
160	14/10/2014 10:00	-25,00	275,97	-13,51	286,58	-16,50	313,03	3,00	288,88
161	05/11/2014 10:00	-26,00	274,97	-14,01	286,07	-17,50	312,03	2,00	287,88
162	19/11/2014 10:00	-26,50	274,47	-14,51	285,57	-18,00	311,53	1,00	286,88
163	02/12/2014 10:00	-25,50	275,47	-14,01	286,07	-17,50	312,03	1,50	287,38
164	19/12/2014 10:00	-26,00	274,97	-14,51	285,57	-18,00	311,53	2,00	287,88
165	22/01/2015 10:00	-25,50	275,47	-13,51	286,58	-17,50	312,03	1,50	287,38



SCHEMA UBICAZIONE

Ubicazione STAZIONE CHIAIA
Tipo Strumento Cella di Carico
Posizione \ \ 1° Ordine Di Tiranti
Data posa in opera 16/05/2011
Data lettura di zero 16/06/2011





TABULATI

Ubicazione STAZIONE CHIAIA

Tipo Strumento Cella di Carico

Posizione \ \ 2° Ordine Di Tiranti

Data posa in opera 02/08/2011

Data lettura di zero 02/08/2011

Ultima
misura

157

in data

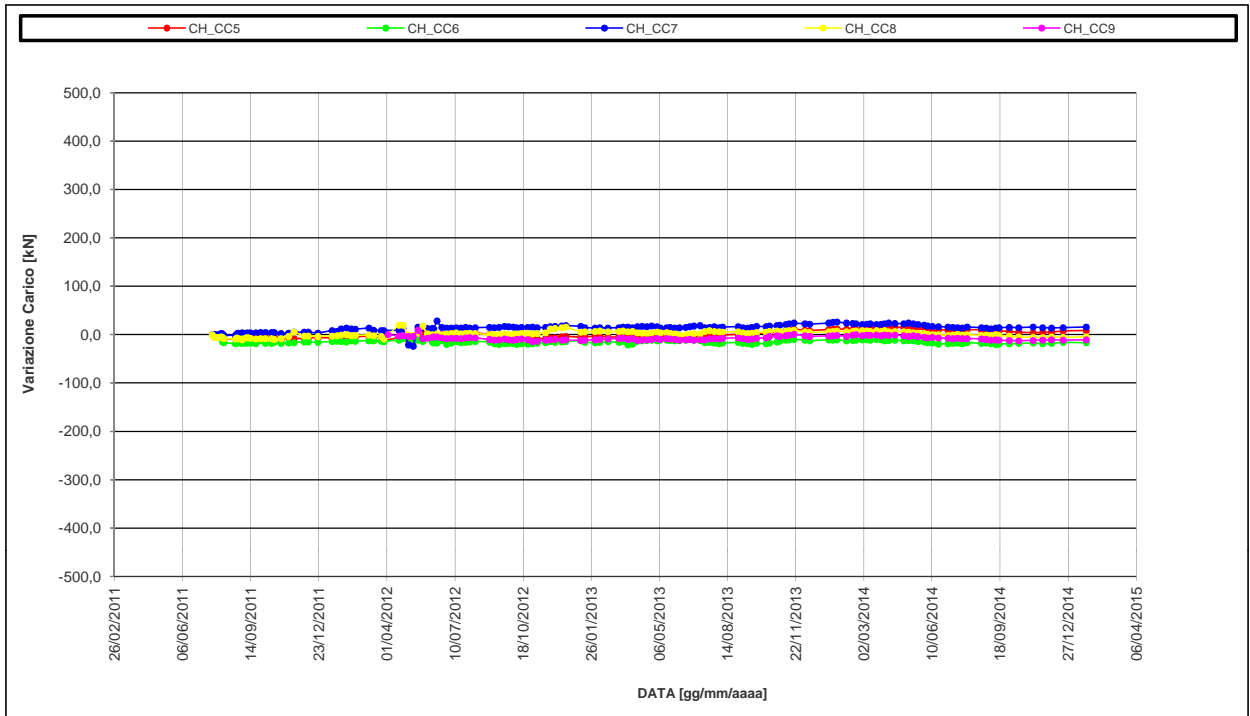
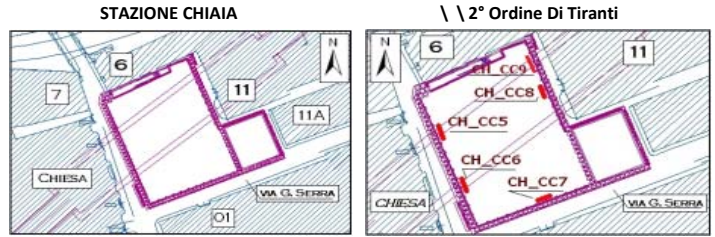
22/01/2015

Letture n°	DATA	CH_CC5		CH_CC6		CH_CC7		CH_CC8		CH_CC9	
		Δ Carico [kN]	Carico [kN]	Δ Carico [kN]	Carico [kN]	Δ Carico [kN]	Carico [kN]	Δ Carico [kN]	Carico [kN]	Δ Carico [kN]	Carico [kN]
104	06/08/2013 12:30	-0,75	538,31	-17,25	505,71	15,75	497,18	5,25	366,59	-7,50	393,75
105	29/08/2013 12:30	0,75	539,81	-15,75	507,21	16,50	497,93	6,00	367,34	-6,75	394,50
106	05/09/2013 10:30	0,00	539,06	-18,00	504,96	14,25	495,68	3,75	365,09	-8,25	393,00
107	12/09/2013 11:00	-0,75	538,31	-18,75	504,21	13,50	494,93	2,25	363,59	-9,75	391,50
108	18/09/2013 10:30	0,00	539,06	-20,25	502,71	15,00	496,43	3,00	364,34	-9,00	392,25
109	25/09/2013 10:30	2,25	541,31	-18,00	504,96	17,25	498,68	4,50	365,84	-7,50	393,75
110	09/10/2013 10:30	3,75	542,81	-18,75	504,21	16,50	497,93	5,25	366,59	-6,75	394,50
111	14/10/2013 10:00	5,25	544,31	-17,25	505,71	18,00	499,43	6,75	368,09	-3,75	397,50
112	25/10/2013 10:00	4,50	543,56	-15,00	507,96	18,75	500,18	7,50	368,84	-2,25	399,00
113	29/10/2013 10:30	5,25	544,31	-13,50	509,46	19,50	500,93	6,00	367,34	-3,75	397,50
114	07/11/2013 10:30	8,25	547,31	-11,25	511,71	21,00	502,43	7,50	368,84	-2,25	399,00
115	12/11/2013 10:30	9,75	548,81	-10,50	512,46	22,50	503,93	8,25	369,59	-0,75	400,50
116	19/11/2013 11:00	11,25	550,31	-9,75	513,21	24,00	505,43	9,00	370,34	0,75	402,00
117	05/12/2013 10:00	9,00	548,06	-11,25	511,71	22,50	503,93	6,00	367,34	-2,25	399,00
118	12/12/2013 10:30	8,25	547,31	-12,75	510,21	21,75	503,18	4,50	365,84	-3,75	397,50
119	09/01/2014 11:00	10,50	549,56	-10,50	512,46	24,00	505,43	6,00	367,34	-3,00	398,25
120	15/01/2014 10:30	11,25	550,31	-11,25	511,71	25,50	506,93	6,75	368,09	-2,25	399,00
121	21/01/2014 11:30	12,00	551,06	-10,50	512,46	26,25	507,68	7,50	368,84	-1,50	399,75
122	04/02/2014 11:00	11,25	550,31	-12,75	510,21	24,00	505,43	6,00	367,34	-3,75	397,50
123	13/02/2014 11:00	9,75	548,81	-12,00	510,96	23,25	504,68	6,75	368,09	-0,75	400,50
124	18/02/2014 11:00	10,50	549,56	-11,25	511,71	22,50	503,93	7,50	368,84	0,00	401,25
125	27/02/2014 11:00	11,25	550,31	-10,50	512,46	21,00	502,43	8,25	369,59	-2,25	399,00
126	06/03/2014 11:00	12,75	551,81	-10,50	512,46	21,75	503,18	7,50	368,84	-0,75	400,50
127	11/03/2014 12:00	15,00	554,06	-11,25	511,71	22,50	503,93	6,75	368,09	-1,50	399,75
128	20/03/2014 11:00	16,50	555,56	-9,75	513,21	21,00	502,43	8,25	369,59	-0,75	400,50
129	27/03/2014 14:00	15,75	554,81	-10,50	512,46	21,75	503,18	6,75	368,09	-2,25	399,00
130	01/04/2014 10:30	15,00	554,06	-12,75	510,21	22,50	503,93	8,25	369,59	-0,75	400,50
131	07/04/2014 12:00	15,75	554,81	-12,00	510,96	24,00	505,43	6,00	367,34	-1,50	399,75
132	16/04/2014 12:00	16,50	555,56	-11,25	511,71	23,25	504,68	6,75	368,09	-0,75	400,50
133	29/04/2014 11:00	14,25	553,31	-12,75	510,21	22,50	503,93	6,00	367,34	-2,25	399,00
134	06/05/2014 11:00	16,50	555,56	-12,00	510,96	24,00	505,43	5,25	366,59	-3,75	397,50
135	13/05/2014 11:00	15,75	554,81	-12,75	510,21	22,50	503,93	3,75	365,09	-2,25	399,00
136	20/05/2014 11:00	15,00	554,06	-14,25	508,71	21,00	502,43	3,00	364,34	-3,75	397,50
137	29/05/2014 11:00	14,25	553,31	-15,00	507,96	19,50	500,93	2,25	363,59	-5,25	396,00
138	03/06/2014 11:00	12,75	551,81	-16,50	506,46	18,00	499,43	0,75	362,09	-6,75	394,50
139	10/06/2014 11:00	12,00	551,06	-17,25	505,71	17,25	498,68	0,00	361,34	-5,25	396,00
140	19/06/2014 11:00	10,50	549,56	-19,50	503,46	16,50	497,93	0,00	361,34	-6,75	394,50
141	03/07/2014 11:00	9,00	548,06	-18,75	504,21	15,75	497,18	-1,50	359,84	-7,50	393,75
142	10/07/2014 11:00	9,75	548,81	-18,00	504,96	15,00	496,43	-0,75	360,59	-8,25	393,00
143	17/07/2014 11:00	10,50	549,56	-17,25	505,71	14,25	495,68	0,75	362,09	-7,50	393,75
144	24/07/2014 11:00	9,00	548,06	-18,75	504,21	13,50	494,93	-0,75	360,59	-8,25	393,00
145	31/07/2014 12:00	10,50	549,56	-16,50	506,46	15,75	497,18	0,00	361,34	-8,25	393,00
146	21/08/2014 12:00	9,75	548,81	-18,00	504,96	14,25	495,68	-1,50	359,84	-9,00	392,25
147	28/08/2014 12:00	8,25	547,31	-17,25	505,71	13,50	494,93	-0,75	360,59	-9,75	391,50
148	04/09/2014 11:00	7,50	546,56	-18,75	504,21	12,00	493,43	-1,50	359,84	-11,25	390,00
149	11/09/2014 11:00	8,25	547,31	-20,25	502,71	13,50	494,93	0,00	361,34	-10,50	390,75
150	16/09/2014 10:00	7,50	546,56	-19,50	503,46	14,25	495,68	-1,50	359,84	-11,25	390,00
151	01/10/2014 10:00	6,75	545,81	-18,75	504,21	15,00	496,43	-3,00	358,34	-12,00	389,25
152	15/10/2014 10:00	5,25	544,31	-18,00	504,96	14,25	495,68	-4,50	356,84	-12,75	388,50
153	05/11/2014 10:00	3,75	542,81	-17,25	505,71	15,75	497,18	-5,25	356,09	-12,00	389,25
154	19/11/2014 10:00	4,50	543,56	-18,75	504,21	14,25	495,68	-6,00	355,34	-11,25	390,00
155	02/12/2014 10:00	5,25	544,31	-18,00	504,96	13,50	494,93	-4,50	356,84	-10,50	390,75
156	19/12/2014 10:00	7,50	546,56	-15,75	507,21	14,25	495,68	-5,25	356,09	-11,25	390,00
157	22/01/2015 10:00	8,25	547,31	-16,50	506,46	15,75	497,18	-4,50	356,84	-10,50	390,75



SCHEMA UBICAZIONE

Ubicazione STAZIONE CHIAIA
Tipo Strumento Cella di Carico
Posizione \ \ 2° Ordine Di Tiranti
Data posa in opera 02/08/2011
Data lettura di zero 02/08/2011




TABULATI
Ubicazione STAZIONE CHIAIA

Tipo Strumento Cella di Carico

Posizione \ \ Puntoni

Data posa in opera 14/09/2011

Data lettura di zero 14/09/2011

**Ultima
misura**

138

in data

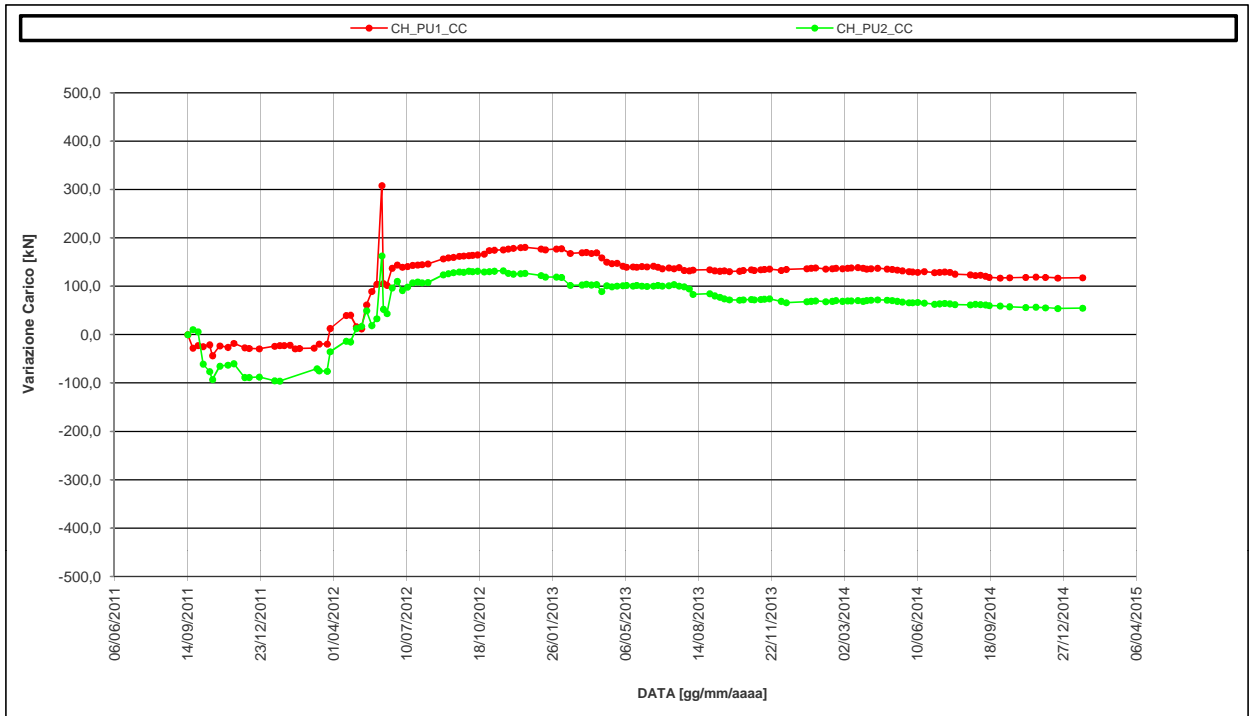
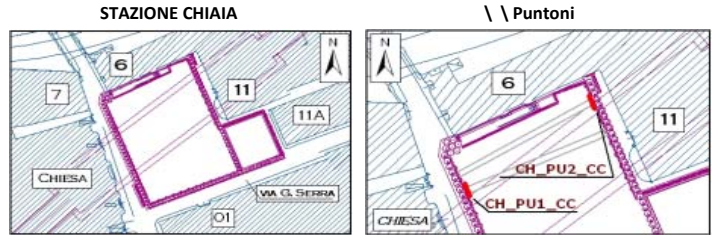
22/01/2015


Letture n°	DATA	CH_PU1_CC		CH_PU2_CC	
		Δ Carico [kN]	Carico [kN]	Δ Carico [kN]	Carico [kN]
85	06/08/2013 12:30	133,48	436,69	83,25	659,29
86	29/08/2013 12:30	134,22	437,44	84,75	660,79
87	05/09/2013 10:30	131,98	435,19	80,25	656,29
88	12/09/2013 11:00	131,23	434,44	77,25	653,29
89	18/09/2013 10:30	131,98	435,19	74,25	650,29
90	25/09/2013 10:30	130,48	433,69	72,00	648,04
91	09/10/2013 11:30	131,23	434,44	71,25	647,29
92	14/10/2013 11:30	132,73	435,94	72,00	648,04
93	25/10/2013 11:30	134,22	437,44	72,75	648,79
94	29/10/2013 11:00	132,73	435,94	72,00	648,04
95	07/11/2013 10:00	134,22	437,44	72,75	648,79
96	12/11/2013 10:00	134,97	438,19	73,50	649,54
97	19/11/2013 11:00	135,72	438,94	74,25	650,29
98	05/12/2013 10:00	132,73	435,94	69,00	645,04
99	12/12/2013 10:30	134,97	438,19	66,00	642,04
100	09/01/2014 11:00	136,47	439,69	68,25	644,29
101	15/01/2014 10:30	137,22	440,44	69,00	645,04
102	21/01/2014 11:30	137,97	441,19	69,75	645,79
103	04/02/2014 11:00	135,72	438,94	68,25	644,29
104	13/02/2014 11:00	136,47	439,69	69,00	645,04
105	18/02/2014 11:00	137,22	440,44	70,50	646,54
106	27/02/2014 11:00	136,47	439,69	69,00	645,04
107	06/03/2014 11:00	137,22	440,44	69,75	645,79
108	11/03/2014 12:00	137,97	441,19	69,75	645,79
109	20/03/2014 11:00	138,72	441,94	70,50	646,54
110	27/03/2014 14:00	137,22	440,44	69,00	645,04
111	01/04/2014 10:30	135,72	438,94	70,50	646,54
112	07/04/2014 12:00	136,47	439,69	71,25	647,29
113	16/04/2014 12:00	137,22	440,44	72,00	648,04
114	29/04/2014 11:00	135,72	438,94	71,25	647,29
115	06/05/2014 11:30	134,97	438,19	70,50	646,54
116	13/05/2014 11:00	133,48	436,69	69,00	645,04
117	20/05/2014 11:00	131,98	435,19	67,50	643,54
118	29/05/2014 11:00	130,48	433,69	66,00	642,04
119	03/06/2014 11:00	129,73	432,94	66,00	642,04
120	10/06/2014 11:00	128,98	432,19	66,75	642,79
121	19/06/2014 11:00	130,48	433,69	65,25	641,29
122	03/07/2014 11:00	128,23	431,44	63,00	639,04
123	10/07/2014 11:00	128,98	432,19	63,75	639,79
124	17/07/2014 10:00	129,73	432,94	64,50	640,54
125	24/07/2014 11:00	128,98	432,19	63,75	639,79
126	31/07/2014 12:00	125,23	428,44	62,25	638,29
127	21/08/2014 12:00	123,73	426,94	61,50	637,54
128	28/08/2014 12:00	122,23	425,44	63,00	639,04
129	04/09/2014 11:00	122,98	426,19	62,25	638,29
130	11/09/2014 11:00	120,73	423,94	61,50	637,54
131	16/09/2014 10:00	118,48	421,69	60,00	636,04
132	01/10/2014 10:00	116,98	420,19	59,25	635,29
133	14/10/2014 10:00	117,73	420,94	57,75	633,79
134	05/11/2014 10:00	118,48	421,69	56,25	632,29
135	19/11/2014 10:00	119,23	422,44	57,00	633,04
136	02/12/2014 10:00	118,48	421,69	55,50	631,54
137	19/12/2014 10:00	116,98	420,19	54,00	630,04
138	22/01/2015 10:00	117,73	420,94	54,75	630,79



SCHEMA UBICAZIONE

Ubicazione STAZIONE CHIAIA
Tipo Strumento Cella di Carico
Posizione \ \ Puntoni
Data posa in opera 14/09/2011
Data lettura di zero 14/09/2011



 <p>Ansaldo STS A Finmeccanica Company</p>	<p>LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO</p> <p><i>OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO</i></p> <p><i>REPORT DELLE MISURE - STAZIONE CHIAIA</i></p>	<p>LM6 7FX 2C I 38 Data: 30/01/15 Metropolit. di Napoli A.T.I. LM6 TreEsse Engineering S.r.l.</p>
---	--	---

10. MISURE TOPOGRAFICHE – MIRE OTTICHE

Le Mire Ottiche, installate in prossimità delle travi di distribuzione dei carichi, che collegano i tiranti in testa, permettono di controllare in tali aree l'influenza delle lavorazioni, registrando eventuali variazioni di quota e spostamenti sul piano orizzontale. La misurazione verrà effettuata tramite Teodolite dall'ATI.


 <p>Ansaldo STS A Finmeccanica Company</p>	<p>LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO</p> <p>OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO REPORT DELLE MISURE - STAZIONE CHIAIA</p>	<p>LM6 7FX 2C I 38 Data: 30/01/15 Metropolit. di Napoli A.T.I. LM6 TreEsse Engineering S.r.l.</p>
---	---	---

Tabelle riepilogative per le Mire Ottiche installate in cantiere. Tabella Mire Ottiche Primo Ordine di Tiranti

NOME	TIPOLOGIA STRUMENTO	DATA INSTALLAZIONE	DISPONIBILITA' LETTURA			NOTE
			DATA LETTURA DI ZERO	PERIODO INTERRUZIONE	DATA FINE ATTIVITA'	
CH_MO1	M. OTTICHE		13/09/11			
CH_MO2	M. OTTICHE		13/09/11			
CH_MO3	M. OTTICHE		15/07/11			
CH_MO4	M. OTTICHE		15/07/11			
CH_MO5	M. OTTICHE		15/07/11			
CH_MO6	M. OTTICHE		15/07/11			
CH_MO7	M. OTTICHE		15/07/11			
CH_MO8	M. OTTICHE		15/07/11			
CH_MO9	M. OTTICHE		15/07/11			
CH_MO10	M. OTTICHE		15/07/11			
CH_MO11	M. OTTICHE		15/07/11	05/03/13 – 28/03/13		
CH_MO12	M. OTTICHE		15/07/11	05/03/13 – 28/03/13		
CH_MO13	M. OTTICHE		15/07/11			
CH_MO14	M. OTTICHE		19/07/11			
CH_MO15	M. OTTICHE		06/09/11			
CH_MO16	M. OTTICHE		06/09/11			

Tabella Mire Ottiche Secondo Ordine di Tiranti

NOME	TIPOLOGIA STRUMENTO	DATA INSTALLAZIONE	DISPONIBILITA' LETTURA			NOTE
			DATA LETTURA DI ZERO	PERIODO INTERRUZIONE	DATA FINE ATTIVITA'	
CH_MO17	M. OTTICHE		17/04/12			
CH_MO18	M. OTTICHE		17/04/12	28/02/14 - 23/07/14		
CH_MO19	M. OTTICHE		15/11/11			
CH_MO20	M. OTTICHE		15/11/11			
CH_MO21	M. OTTICHE		02/08/11			
CH_MO22	M. OTTICHE		02/08/11			
CH_MO23	M. OTTICHE		02/08/11			
CH_MO24	M. OTTICHE		02/08/11			
CH_MO25	M. OTTICHE		25/07/11			
CH_MO26	M. OTTICHE		25/07/11			
CH_MO27	M. OTTICHE		24/08/11	05/03/13 – 28/03/13		
CH_MO28	M. OTTICHE		24/08/11	05/03/13 – 28/03/13		
CH_MO29	M. OTTICHE		24/08/11			
CH_MO30	M. OTTICHE		24/08/11			
CH_MO31	M. OTTICHE		29/11/11	06/03/14 – 23/07/14		
CH_MO32	M. OTTICHE		29/11/11			



 <p>Ansaldo STS A Finmeccanica Company</p>	<p>LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO</p> <p>OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO REPORT DELLE MISURE - STAZIONE CHIAIA</p>	<p>LM6 7FX 2C I 38 Data: 30/01/15 Metropolit. di Napoli A.T.I. LM6 TreEsse Engineering S.r.l.</p>
---	---	---

Tabella Mire Ottiche Terzo e Quarto Ordine – Tufo e Mire Ottiche Supplementari

NOME	TIPOLOGIA STRUMENTO	DATA INSTALLAZIONE	DISPONIBILITA' LETTURA			NOTE
			DATA LETTURA DI ZERO	PERIODO INTERRUZIONE	DATA FINE ATTIVITA'	
CH_MO33	M. OTTICHE		12/07/12		12/12/14	RIMOSSA
CH_MO34	M. OTTICHE		18/07/12		28/11/14	RIMOSSA
CH_MO35	M. OTTICHE		13/09/12		28/11/14	RIMOSSA
CH_MO36	M. OTTICHE		13/09/12		27/02/13	SOSTITUITA
CH_MO36A	M. OTTICHE		28/03/13		28/11/14	RIMOSSA
CH_MO37	M. OTTICHE		18/09/12		13/06/13	SOSTITUITA
CH_MO37A	M. OTTICHE		01/07/13		28/11/14	RIMOSSA
CH_MO38	M. OTTICHE		07/02/13		28/11/14	RIMOSSA
CH_MO39	M. OTTICHE		07/02/13		28/11/14	RIMOSSA
CH_MO40	M. OTTICHE		14/02/13		07/11/13	DIVELTA
CH_MO41	M. OTTICHE		05/03/13		28/11/14	RIMOSSA
CH_MO42	M. OTTICHE		05/03/13		28/11/14	RIMOSSA
CH_MO43	M. OTTICHE		05/03/13		31/10/13	DIVELTA
CH_MO44	M. OTTICHE		05/03/13		28/08/13	DIVELTA
CH_MO45	M. OTTICHE		28/03/13		15/01/14	DIVELTA
CH_MO46	M. OTTICHE		28/03/13			
CH_MO47	M. OTTICHE		28/03/13			
CH_MO48	M. OTTICHE		28/03/13		28/11/14	RIMOSSA
CH_MO49	M. OTTICHE		28/03/13		28/11/14	RIMOSSA
CH_MO50	M. OTTICHE		28/03/13			
CH_MO51	M. OTTICHE		03/04/13		28/10/14	DIVELTA
CH_MO52	M. OTTICHE		28/03/13			
CH_MO53	M. OTTICHE		28/03/13	28/02/14 – 23/07/14		
CH_MO54	M. OTTICHE		28/03/13			
CH_MO55	M. OTTICHE		28/03/13		29/12/14	RIMOSSA
CH_MO56	M. OTTICHE		28/03/13			
CH_MO57	M. OTTICHE		28/03/13			
CH_MO58	M. OTTICHE		28/03/13		28/11/14	RIMOSSA
CH_MO59	M. OTTICHE		28/03/13		28/11/14	RIMOSSA
CH_MO60	M. OTTICHE		28/03/13		29/12/14	RIMOSSA
CH_MO61	M. OTTICHE		28/03/13	Dal 28/02/14	29/12/14	RIMOSSA
CH_MO62	M. OTTICHE		28/03/13			
CH_MO63	M. OTTICHE		28/03/13		12/12/14	RIMOSSA
CH_MO64	M. OTTICHE		28/03/13		12/12/14	RIMOSSA
CH_MO65	M. OTTICHE		06/02/14		24/03/14	DIVELTA
CH_MO66	M. OTTICHE		06/02/14		16/09/14	RIMOSSA
CH_MO67	M. OTTICHE		06/02/14		16/09/14	RIMOSSA
CH_MO68	M. OTTICHE		06/02/14		16/09/14	RIMOSSA

 <p>Ansaldo STS A Finmeccanica Company</p>	<p>LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO</p> <p><i>OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO</i></p> <p><i>REPORT DELLE MISURE - STAZIONE CHIAIA</i></p>	<p>LM6 7FX 2C I 38 Data: 30/01/15 Metropolit. di Napoli A.T.I. LM6 TreEsse Engineering S.r.l.</p>
---	--	---

NOME	TIPOLOGIA STRUMENTO	DATA INSTALLAZIONE	DISPONIBILITA' LETTURA			NOTE
			DATA LETTURA DI ZERO	PERIODO INTERRUZIONE	DATA FINE ATTIVITA'	
CH_MO69	M. OTTICHE		06/02/14		16/09/14	RIMOSSA
CH_MO70	M. OTTICHE		06/02/14		16/09/14	RIMOSSA
CH_MO71	M. OTTICHE		12/02/14		16/09/14	RIMOSSA
CH_MO72	M. OTTICHE		28/02/14		16/09/14	RIMOSSA
CH_MO73	M. OTTICHE		06/03/14		16/09/14	RIMOSSA
CH_MO74	M. OTTICHE		06/03/14		16/09/14	RIMOSSA

(*) al presente Report non ci sono misure da consegnare per lo strumento


Ubicazione STAZIONE CHIAIA
Opera \ \ Ordine di Tiranti \ 01-04
Tipo Strumento Mire Ottiche
Data posa in opera 13/09/2011
Data lettura di zero 13/09/2011
Ultima Misura 141 **in data** 26/01/2015

Letto. n°	DATA	CH_M01					CH_M02					CH_M03					CH_M04				
		Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]
51	07/11/2012 08:30	14.0	34.7	0.0	-2.0	0.0	14.0	34.7	1.0	-2.0	-2.0	14.0	33.0	2.0	-2.0	-3.0	14.0	32.9	2.0	-3.0	-1.0
52	27/11/2012 08:30	11.0	34.7	2.0	-2.0	-1.0	11.0	34.7	2.0	-3.0	-2.0	11.0	33.0	3.0	-3.0	-4.0	11.0	32.9	3.0	-4.0	-2.0
53	17/12/2012 08:30	13.0	34.7	0.0	0.0	0.0	13.0	34.7	0.0	-3.0	-2.0	13.0	33.0	2.0	-3.0	-3.0	13.0	32.9	2.0	-3.0	-1.0
54	09/01/2013 08:30	10.0	34.7	0.0	-1.0	-1.0	10.0	34.7	1.0	-3.0	-1.0	10.0	33.0	2.0	-3.0	-2.0	10.0	32.9	2.0	-3.0	-1.0
55	29/01/2013 08:30	8.0	34.7	1.0	-1.0	-2.0	8.0	34.7	1.0	-2.0	-1.0	8.0	33.0	2.0	-2.0	-3.0	8.0	32.9	2.0	-3.0	-1.0
56	07/02/2013 15:00	8.0	34.7	1.0	0.0	-1.0	8.0	34.7	3.0	-2.0	-1.0	8.0	33.0	4.0	-2.0	-3.0	8.0	32.9	3.0	-3.0	0.0
57	14/02/2013 08:30	6.0	34.7	0.0	-1.0	-1.0	6.0	34.7	1.0	-3.0	-2.0	6.0	33.0	2.0	-4.0	-3.0	6.0	32.9	2.0	-4.0	-2.0
58	19/02/2013 15:30	12.0	34.7	1.0	-3.0	-2.0	12.0	34.7	1.0	-4.0	-3.0	12.0	33.0	2.0	-4.0	-4.0	12.0	32.9	2.0	-3.0	-2.0
59	27/02/2013 08:30	6.0	34.7	1.0	-1.0	-2.0	6.0	34.7	2.0	-3.0	-3.0	6.0	33.0	3.0	-4.0	-4.0	6.0	32.9	2.0	-3.0	-1.0
60	05/03/2013 10:30	12.0	34.7	0.0	0.0	-1.0	12.0	34.7	1.0	-2.0	-2.0	12.0	33.0	2.0	-2.0	-3.0	12.0	32.9	2.0	-3.0	-1.0
61	12/03/2013 08:30	10.0	34.7	2.0	-1.0	-1.0	10.0	34.7	2.0	-2.0	-1.0	10.0	33.0	3.0	-2.0	-2.0	10.0	32.9	3.0	-2.0	-1.0
62	19/03/2013 16:00	16.0	34.7	1.0	-1.0	-3.0	16.0	34.7	3.0	-2.0	-2.0	16.0	33.0	3.0	-3.0	-3.0	16.0	32.9	2.0	-2.0	-1.0
63	26/03/2013 08:30	13.0	34.7	1.0	0.0	-2.0	13.0	34.7	1.0	-1.0	-3.0	13.0	33.0	3.0	-2.0	-3.0	13.0	32.9	2.0	-3.0	-1.0
64	28/03/2013 11:00	15.0	34.7	2.0	-2.0	-2.0	15.0	34.7	2.0	-1.0	-2.0	15.0	33.0	3.0	-3.0	-3.0	15.0	32.9	3.0	-4.0	-1.0
65	03/04/2013 17:30	16.0	34.7	0.0	-1.0	-2.0	16.0	34.7	1.0	-1.0	-2.0	16.0	33.0	2.0	-5.0	-4.0	16.0	32.9	2.0	-4.0	-1.0
66	10/04/2013 10:30	16.0	34.7	2.0	-1.0	-1.0	16.0	34.7	2.0	0.0	-1.0	16.0	33.0	3.0	-4.0	-2.0	16.0	32.9	2.0	-4.0	-1.0
67	16/04/2013 15:00	23.0	34.7	1.0	0.0	-2.0	23.0	34.7	1.0	-1.0	-3.0	23.0	33.0	2.0	-3.0	-4.0	23.0	32.9	2.0	-3.0	-2.0
68	23/04/2013 08:30	13.0	34.7	1.0	-2.0	-2.0	13.0	34.7	1.0	-3.0	-2.0	13.0	33.0	2.0	-4.0	-2.0	13.0	32.9	1.0	-2.0	-1.0
69	03/05/2013 14:30	25.0	34.7	2.0	0.0	0.0	25.0	34.7	1.0	-1.0	-1.0	25.0	33.0	3.0	-3.0	-3.0	25.0	32.9	2.0	-2.0	-1.0
70	09/05/2013 08:30	18.0	34.7	2.0	0.0	0.0	18.0	34.7	2.0	-2.0	0.0	18.0	33.0	3.0	-3.0	-2.0	18.0	32.9	2.0	-3.0	-1.0
71	15/05/2013 14:30	21.0	34.7	2.0	0.0	-2.0	21.0	34.7	1.0	-2.0	-2.0	21.0	33.0	2.0	-3.0	-3.0	21.0	32.9	3.0	-3.0	-2.0
72	22/05/2013 08:30	19.0	34.7	2.0	0.0	-2.0	19.0	34.7	1.0	-2.0	-2.0	19.0	33.0	2.0	-2.0	-3.0	19.0	32.9	3.0	-2.0	-1.0
73	31/05/2013 15:30	18.0	34.7	2.0	0.0	-2.0	18.0	34.7	2.0	-2.0	-2.0	18.0	33.0	3.0	-4.0	-4.0	18.0	32.9	2.0	-3.0	-2.0
74	07/06/2013 08:30	21.0	34.7	2.0	-1.0	-2.0	21.0	34.7	2.0	-1.0	-1.0	21.0	33.0	3.0	-2.0	-3.0	21.0	32.9	2.0	-3.0	-1.0
75	13/06/2013 14:30	28.0	34.7	3.0	0.0	-2.0	28.0	34.7	3.0	1.0	-2.0	28.0	33.0	4.0	-1.0	-3.0	28.0	32.9	3.0	-1.0	-2.0
76	18/06/2013 09:00	28.0	34.7	1.0	0.0	-1.0	28.0	34.7	2.0	0.0	-1.0	28.0	33.0	2.0	-2.0	-3.0	28.0	32.9	2.0	-2.0	-1.0
77	25/06/2013 18:00	28.0	34.7	2.0	1.0	-1.0	28.0	34.7	1.0	-1.0	-1.0	28.0	33.0	3.0	-1.0	-2.0	28.0	32.9	3.0	-3.0	-1.0
78	01/07/2013 07:30	22.0	34.7	2.0	0.0	-1.0	22.0	34.7	2.0	-1.0	-1.0	22.0	33.0	3.0	-2.0	-3.0	22.0	32.9	2.0	-2.0	-1.0
79	08/07/2013 17:30	25.0	34.7	2.0	1.0	-1.0	25.0	34.7	2.0	0.0	0.0	25.0	33.0	3.0	-2.0	-2.0	25.0	32.9	3.0	-1.0	-1.0
80	13/07/2013 07:30	25.0	34.7	2.0	-1.0	-1.0	25.0	34.7	2.0	-1.0	-1.0	25.0	33.0	3.0	-3.0	-1.0	25.0	32.9	3.0	-3.0	0.0
81	18/07/2013 07:30	25.0	34.7	3.0	0.0	-1.0	25.0	34.7	3.0	-1.0	-2.0	25.0	33.0	4.0	-3.0	-3.0	25.0	32.9	3.0	-3.0	-1.0
82	25/07/2013 18:00	27.0	34.7	3.0	0.0	-1.0	27.0	34.7	2.0	-1.0	1.0	27.0	33.0	3.0	-2.0	-1.0	27.0	32.9	2.0	-2.0	0.0
83	31/07/2013 09:00	27.0	34.7	3.0	0.0	0.0	27.0	34.7	3.0	-1.0	-1.0	27.0	33.0	3.0	-3.0	-2.0	27.0	32.9	3.0	-2.0	0.0
84	07/08/2013 09:00	29.0	34.7	3.0	0.0	1.0	29.0	34.7	3.0	-1.0	0.0	29.0	33.0	3.0	-2.0	-2.0	29.0	32.9	2.0	-2.0	0.0
85	13/08/2013 09:00	27.0	34.7	2.0	0.0	1.0	27.0	34.7	2.0	0.0	1.0	27.0	33.0	2.0	-1.0	-1.0	27.0	32.9	1.0	-2.0	0.0
86	21/08/2013 07:30	23.0	34.7	2.0	0.0	0.0	23.0	34.7	2.0	0.0	-1.0	23.0	33.0	2.0	-1.0	-3.0	23.0	32.9	2.0	-2.0	0.0
87	28/08/2013 10:30	25.0	34.7	3.0	0.0	-1.0	25.0	34.7	3.0	-1.0	-1.0	25.0	33.0	2.0	-3.0	-2.0	25.0	32.9	2.0	-1.0	-1.0
88	06/09/2013 17:30	29.0	34.7	3.0	0.0	0.0	29.0	34.7	2.0	0.0	-1.0	29.0	33.0	2.0	-1.0	-2.0	29.0	32.9	2.0	-2.0	-1.0
89	13/09/2013 07:30	18.0	34.7	3.0	0.0	-1.0	18.0	34.7	3.0	-1.0	-1.0	18.0	33.0	3.0	-2.0	-3.0	18.0	32.9	2.0	-1.0	-1.0
90	21/09/2013 09:30	21.0	34.7	3.0	0.0	-2.0	21.0	34.7	3.0	-1.0	-2.0	21.0	33.0	2.0	-2.0	-2.0	21.0	32.9	2.0	-3.0	-1.0
91	26/09/2013 09:30	18.0	34.7	3.0	0.0	0.0	18.0	34.7	3.0	-2.0	-2.0	18.0	33.0	2.0	-2.0	-2.0	18.0	32.9	2.0	-2.0	0.0
92	03/10/2013 16:30	20.0	34.7	3.0	0.0	-1.0	20.0	34.7	3.0	0.0	-1.0	20.0	33.0	2.0	-1.0	-3.0	20.0	32.9	2.0	-2.0	-1.0
93	10/10/2013 08:30	16.0	34.7	3.0	0.0	-1.0	16.0	34.7	3.0	-1.0	-1.0	16.0	33.0	2.0	-1.0	-1.0	16.0	32.9	2.0	-1.0	1.0
94	16/10/2013 14:30	23.0	34.7	3.0	0.0	0.0	23.0	34.7	3.0	-1.0	-1.0	23.0	33.0	2.0	-3.0	-2.0	23.0	32.9	2.0	-3.0	0.0
95	24/10/2013 08:30	18.0	34.7	3.0	2.0	0.0	18.0	34.7	3.0	0.0	-1.0	18.0	33.0	2.0	-2.0	-1.0	18.0	32.9	2.0	-1.0	1.0
96	31/10/2013 14:30	23.0	34.7	3.0	1.0	-1.0	23.0	34.7	3.0	0.0	0.0	23.0	33.0	2.0	-2.0	-1.0	23.0	32.9	2.0	-2.0	0.0
97	07/11/2013 08:30	11.0	34.7	3.0	1.0	0.0	11.0	34.7	3.0	0.0	0.0	11.0	33.0	2.0	-2.0	-1.0	11.0	32.9	2.0	-1.0	0.0
98	14/11/2013 14:30	20.0	34.7	3.0	1.0	0.0	20.0	34.7	3.0	0.0	0.0	20.0	33.0	2.0	-2.0	-2.0	20.0	32.9	2.0	-1.0	1.0
99	25/11/2013 15:30	12.0	34.7	3.0	1.0	-1.0	12.0	34.7	3.0	-1.0	-1.0	12.0	33.0	3.0	-3.0	-1.0	12.0	32.9	2.0	-1.0	1.0
100	30/11/2013 08:30	7.0	34.7	3.0	1.0	-1.0	7.0	34.7	3.0	0.0	-1.0	7.0	33.0	3.0	-1.0	-2.0	7.0	32.9	2.0	-1.0	0.0
101	05/12/2013 08:30	7.0	34.7	3.0	1.0	0.0	7.0	34.7	3.0	0.0	0.0	7.0	33.0	2.0	-2.0	-2.0	7.0	32.9	2.0	-1.0	-1.0
102	19/12/2013 13:00	8.0	34.7	2.0	0.0	1.0	8.0	34.7	2.0	-2.0	0.0	8.0	33.0	1.0	-1.0	-1.0	8.0	32.9	1.0	-2.0	1.0
103	27/12/2013 09:00	8.0	34.7	3.0	-1.0	1.0	8.0	34.7	2.0	-3.0	0.0	8.0	33.0	0.0	-1.0	-2.0	8.0	32.9	0.0	-3.0	0.0
104	02/01/2014 07:30	14.0	34.7	2.0	-1.0	2.0	14.0	34.7	2.0	-2.0	0.0	14.0	33.0	0.0	-2.0	-1.0	14.0	32.9	1.0	-3.0	0.0
105	08/01/2014 14:30	14.0	34.7	3.0	0.0	-2.0	14.0	34.7	3.0	-1.0	-1.0	14.0	33.0	2.0	0.0	-2.0	14.0	32.9	1.0	-1.0	0.0
106	15/01/2014 08:30	11.0	34.7	3.0	3.0	0.0	11.0	34.7	3.0	-1.0	-1.0	11.0	33.0	2.0	0.0	-2.0	11.0	32.9	1.0	-1.0	-1.0
107	22/01/2014 14:30	12.0	34.7	4.0	2.0	0.0	12.0	34.7	3.0	1.0	-1.0</										



Ubicazione STAZIONE CHIAIA
Opera \ \ I Ordine di Tiranti \ 01-
Tipo Strumento Mire Ottiche
Data posa in opera 13/09/2011
Data lettura di zero 13/09/2011

GRAFICO QUOTA

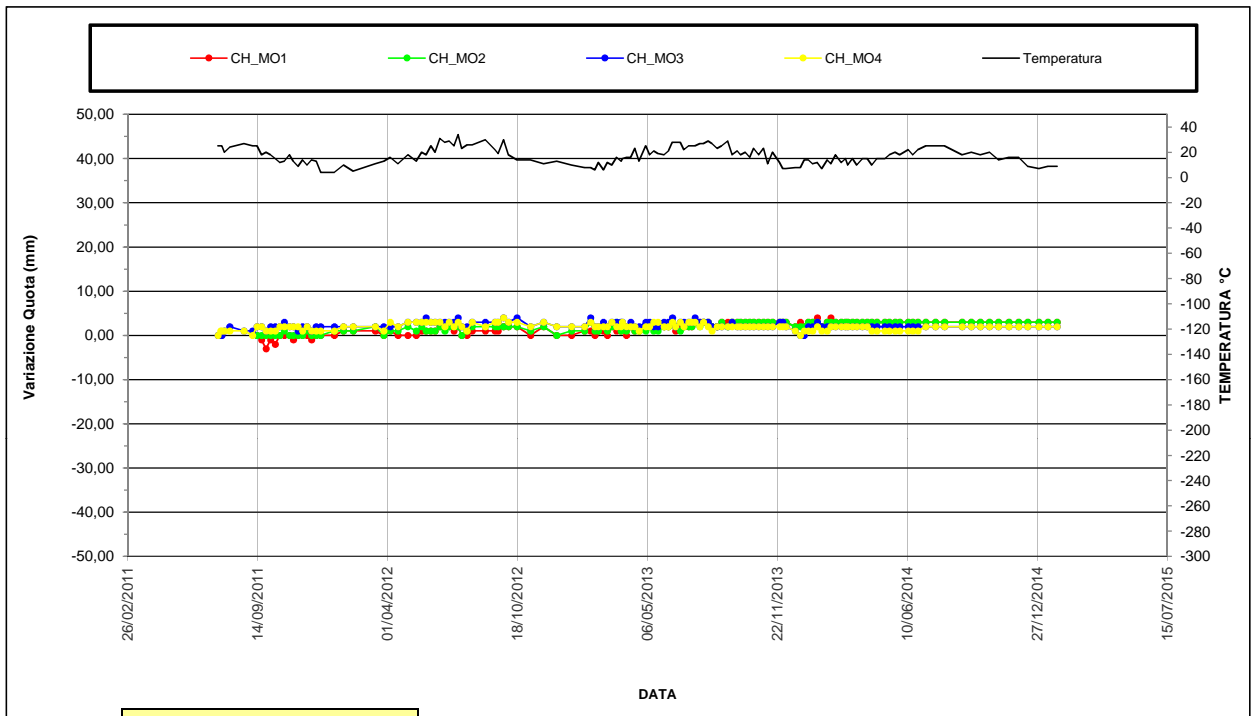
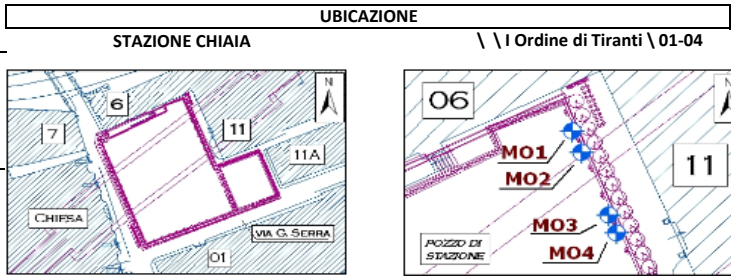
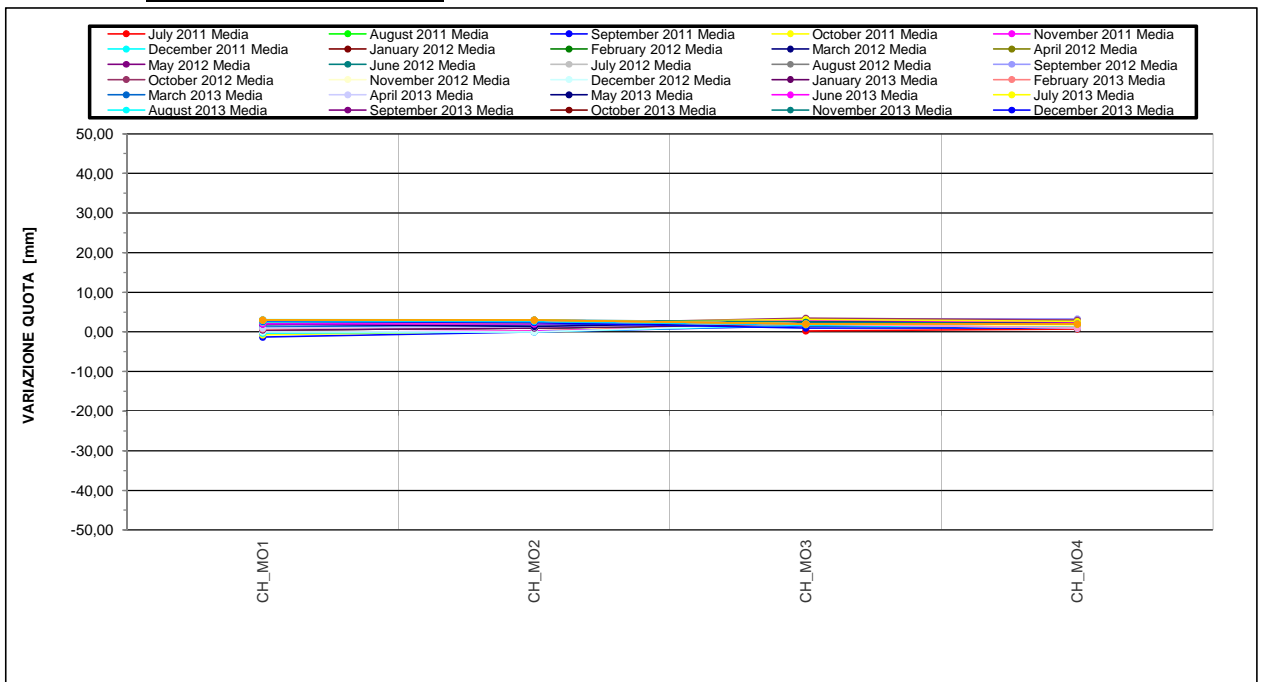


GRAFICO ISOCRONE





Ubicazione STAZIONE CHIAIA
Opera \ \ I Ordine di Tiranti \ 01-
Tipo Strumento Mire Ottiche
Data posa in opera 13/09/2011
Data lettura di zero 13/09/2011

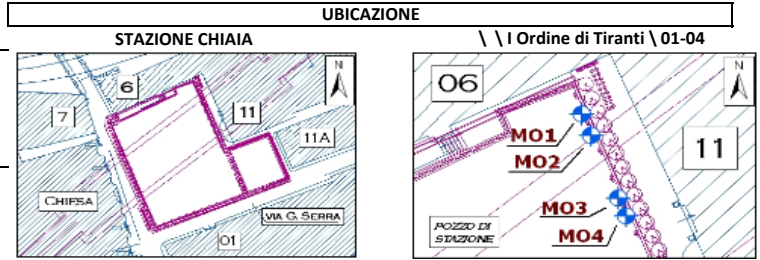


GRAFICO EST

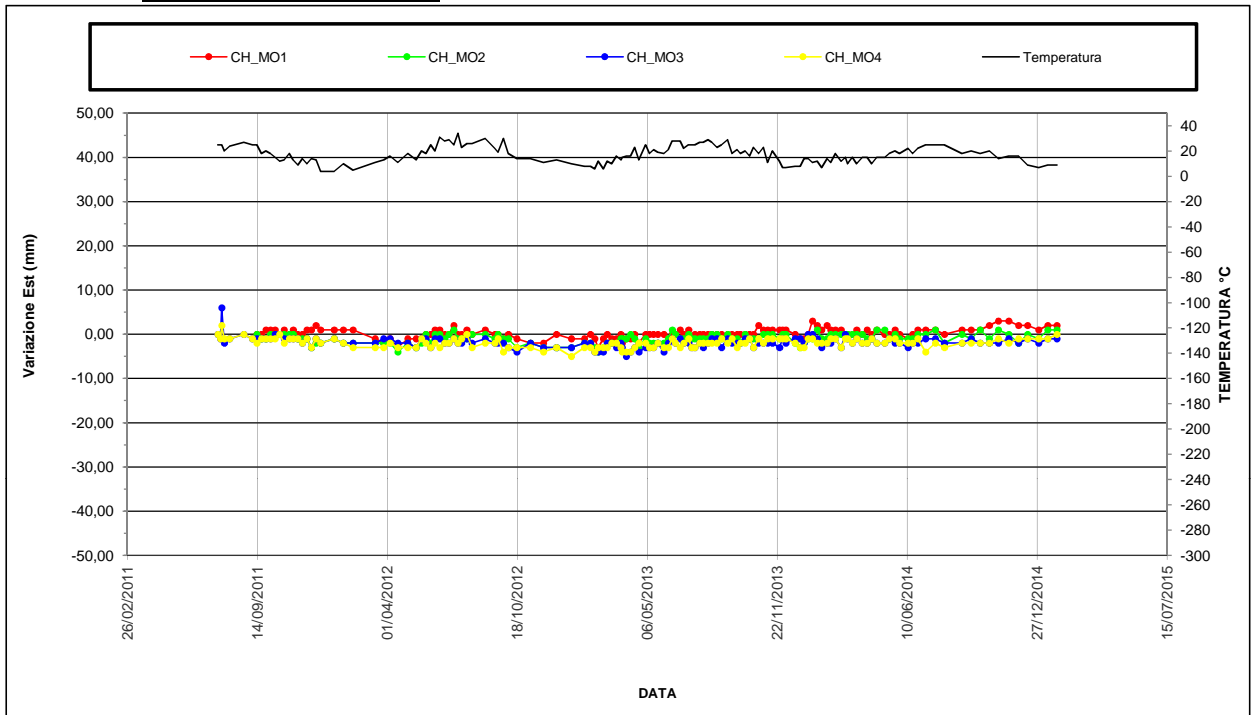
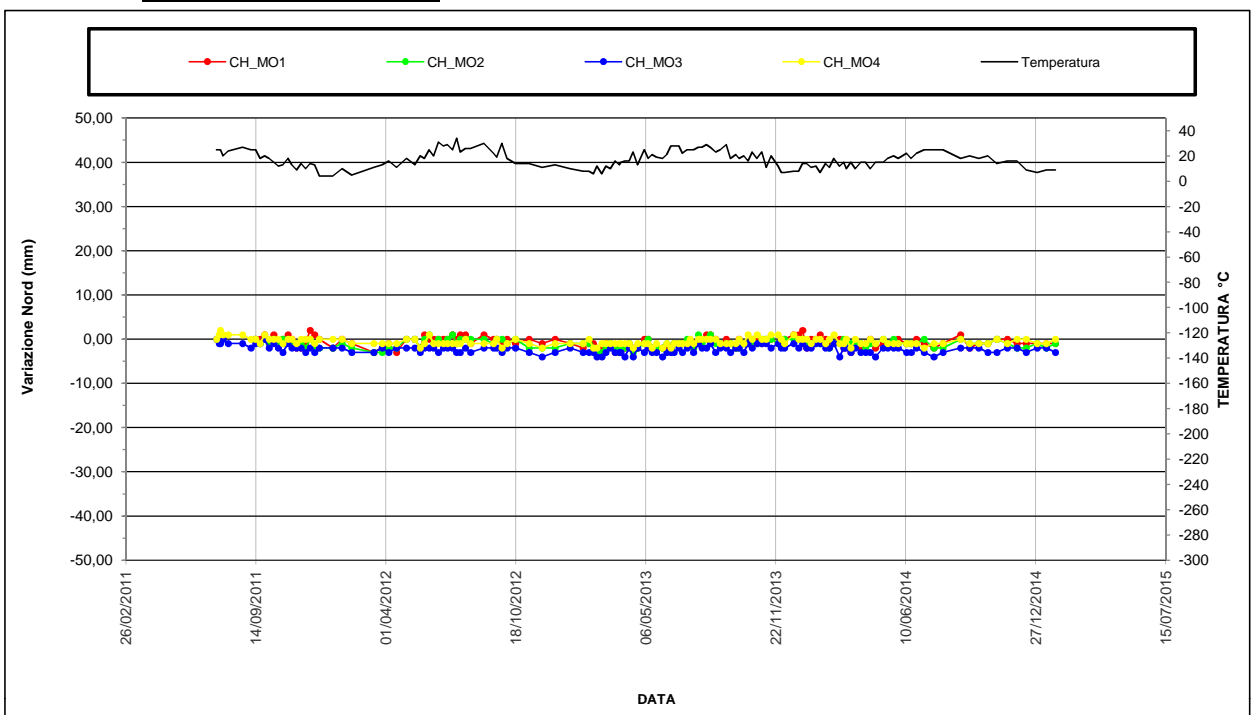


GRAFICO NORD





Ubicazione STAZIONE CHIAIA

Opera \ \ Ordine di Tiranti \ 05-08

Tipo Strumento Mire Ottiche

Data posa in opera 15/07/2011

Data lettura di zero 15/07/2011

Ultima Misura 140 in data 26/01/2015

Letto. n°	DATA	CH_M05					CH_M06					CH_M07					CH_M08				
		Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]
50	07/11/2012 08:30	14.0	33.2	1.0	-1.0	3.0	14.0	33.2	2.0	-1.0	4.0	14.0	33.1	-3.0	-4.0	5.0	14.0	33.1	-2.0	-4.0	6.0
51	27/11/2012 08:30	11.0	33.2	2.0	-6.0	2.0	11.0	33.2	2.0	-5.0	3.0	11.0	33.1	-3.0	-5.0	6.0	11.0	33.1	-2.0	-6.0	5.0
52	17/12/2012 08:30	13.0	33.2	1.0	-3.0	4.0	13.0	33.2	2.0	-2.0	5.0	13.0	33.1	-5.0	-6.0	5.0	13.0	33.1	-4.0	-6.0	4.0
53	09/01/2013 08:30	10.0	33.2	1.0	-6.0	3.0	10.0	33.2	2.0	-6.0	3.0	10.0	33.1	-4.0	-5.0	5.0	10.0	33.1	-3.0	-5.0	5.0
54	29/01/2013 08:30	8.0	33.2	1.0	-3.0	4.0	8.0	33.2	2.0	-3.0	4.0	8.0	33.1	-4.0	-5.0	5.0	8.0	33.1	-3.0	-5.0	5.0
55	07/02/2013 15:00	8.0	33.2	2.0	-3.0	3.0	8.0	33.2	2.0	-4.0	5.0	8.0	33.1	-3.0	-5.0	2.0	8.0	33.1	-2.0	-6.0	3.0
56	14/02/2013 08:30	6.0	33.2	1.0	-4.0	3.0	6.0	33.2	2.0	-4.0	5.0	6.0	33.1	-2.0	-5.0	5.0	6.0	33.1	-2.0	-6.0	5.0
57	19/02/2013 15:30	12.0	33.2	2.0	-1.0	5.0	12.0	33.2	2.0	-1.0	5.0	12.0	33.1	-4.0	-5.0	4.0	12.0	33.1	-3.0	-5.0	4.0
58	27/02/2013 08:30	6.0	33.2	2.0	-3.0	3.0	6.0	33.2	1.0	-4.0	4.0	6.0	33.1	-2.0	-7.0	1.0	6.0	33.1	-2.0	-8.0	1.0
59	05/03/2013 10:30	12.0	33.2	1.0	-1.0	4.0	12.0	33.2	1.0	-2.0	6.0	12.0	33.1	-3.0	-4.0	3.0	12.0	33.1	-2.0	-5.0	5.0
60	12/03/2013 08:30	10.0	33.2	1.0	-2.0	4.0	10.0	33.2	3.0	-2.0	5.0	10.0	33.1	-3.0	-6.0	3.0	10.0	33.1	-2.0	-6.0	4.0
61	19/03/2013 16:00	16.0	33.2	2.0	0.0	5.0	16.0	33.2	2.0	0.0	6.0	16.0	33.1	-2.0	-6.0	3.0	16.0	33.1	-1.0	-7.0	3.0
62	26/03/2013 08:30	13.0	33.2	1.0	-3.0	3.0	13.0	33.2	2.0	-3.0	4.0	13.0	33.1	-3.0	-5.0	0.0	13.0	33.1	-2.0	-6.0	2.0
63	28/03/2013 11:00	15.0	33.2	1.0	-2.0	4.0	15.0	33.2	2.0	-2.0	6.0	15.0	33.1	-3.0	-5.0	2.0	15.0	33.1	-3.0	-7.0	-1.0
64	03/04/2013 17:30	16.0	33.2	1.0	-1.0	5.0	16.0	33.2	1.0	-2.0	6.0	16.0	33.1	-2.0	-5.0	2.0	16.0	33.1	-1.0	-5.0	2.0
65	10/04/2013 10:30	16.0	33.2	2.0	-3.0	5.0	16.0	33.2	2.0	-2.0	6.0	16.0	33.1	-2.0	-5.0	3.0	16.0	33.1	-2.0	-5.0	4.0
66	16/04/2013 15:00	23.0	33.2	0.0	2.0	4.0	23.0	33.2	1.0	-3.0	6.0	23.0	33.1	-1.0	-6.0	2.0	23.0	33.1	-1.0	-6.0	2.0
67	23/04/2013 08:30	13.0	33.2	2.0	0.0	5.0	13.0	33.2	1.0	0.0	6.0	13.0	33.1	-2.0	-5.0	2.0	13.0	33.1	-3.0	-6.0	3.0
68	03/05/2013 14:30	25.0	33.2	2.0	3.0	5.0	25.0	33.2	1.0	3.0	6.0	25.0	33.1	-2.0	-4.0	1.0	25.0	33.1	-1.0	-5.0	2.0
69	09/05/2013 08:30	18.0	33.2	2.0	-2.0	5.0	18.0	33.2	1.0	0.0	6.0	18.0	33.1	-1.0	-4.0	2.0	18.0	33.1	-1.0	-5.0	3.0
70	15/05/2013 14:30	21.0	33.2	1.0	3.0	5.0	21.0	33.2	2.0	1.0	6.0	21.0	33.1	-1.0	-6.0	-1.0	21.0	33.1	0.0	-7.0	0.0
71	22/05/2013 08:30	19.0	33.2	1.0	1.0	5.0	19.0	33.2	2.0	2.0	5.0	19.0	33.1	-2.0	-7.0	2.0	19.0	33.1	-2.0	-7.0	2.0
72	31/05/2013 15:30	18.0	33.2	2.0	0.0	3.0	18.0	33.2	3.0	-1.0	4.0	18.0	33.1	-3.0	-5.0	4.0	18.0	33.1	-2.0	-6.0	4.0
73	07/06/2013 08:30	21.0	33.2	1.0	0.0	4.0	21.0	33.2	1.0	1.0	6.0	21.0	33.1	-2.0	-6.0	1.0	21.0	33.1	-2.0	-6.0	2.0
74	13/06/2013 14:30	28.0	33.2	2.0	4.0	4.0	28.0	33.2	2.0	3.0	6.0	28.0	33.1	-1.0	-6.0	2.0	28.0	33.1	0.0	-6.0	3.0
75	18/06/2013 09:00	28.0	33.2	1.0	2.0	5.0	28.0	33.2	1.0	2.0	7.0	28.0	33.1	-1.0	-6.0	3.0	28.0	33.1	0.0	-7.0	3.0
76	25/06/2013 18:00	28.0	33.2	2.0	3.0	6.0	28.0	33.2	2.0	3.0	6.0	28.0	33.1	-1.0	-6.0	2.0	28.0	33.1	0.0	-7.0	4.0
77	01/07/2013 07:30	22.0	33.2	2.0	4.0	6.0	22.0	33.2	2.0	3.0	6.0	22.0	33.1	0.0	-8.0	0.0	22.0	33.1	0.0	-8.0	2.0
78	08/07/2013 17:30	25.0	33.2	2.0	3.0	5.0	25.0	33.2	1.0	0.0	6.0	25.0	33.1	1.0	-10.0	0.0	25.0	33.1	1.0	-10.0	0.0
79	13/07/2013 07:30	25.0	33.2	4.0	2.0	5.0	25.0	33.2	1.0	-1.0	8.0	25.0	33.1	-1.0	-9.0	2.0	25.0	33.1	0.0	-9.0	3.0
80	18/07/2013 07:30	25.0	33.2	3.0	2.0	5.0	25.0	33.2	1.0	-1.0	7.0	25.0	33.1	1.0	-8.0	2.0	25.0	33.1	2.0	-8.0	3.0
81	25/07/2013 18:00	27.0	33.2	3.0	4.0	5.0	27.0	33.2	1.0	0.0	8.0	27.0	33.1	0.0	-8.0	1.0	27.0	33.1	0.0	-8.0	3.0
82	31/07/2013 09:00	27.0	33.2	3.0	3.0	6.0	27.0	33.2	1.0	0.0	9.0	27.0	33.1	0.0	-7.0	2.0	27.0	33.1	1.0	-7.0	5.0
83	07/08/2013 09:00	29.0	33.2	2.0	3.0	6.0	29.0	33.2	0.0	0.0	9.0	29.0	33.1	0.0	-7.0	2.0	29.0	33.1	1.0	-7.0	3.0
84	13/08/2013 09:00	27.0	33.2	2.0	3.0	5.0	27.0	33.2	0.0	0.0	8.0	27.0	33.1	-1.0	-7.0	2.0	27.0	33.1	0.0	-8.0	2.0
85	21/08/2013 14:30	23.0	33.2	5.0	4.0	6.0	23.0	33.2	2.0	1.0	9.0	23.0	33.1	0.0	-7.0	2.0	23.0	33.1	0.0	-8.0	3.0
86	28/08/2013 10:30	25.0	33.2	4.0	4.0	5.0	25.0	33.2	2.0	1.0	8.0	25.0	33.1	1.0	-9.0	5.0	25.0	33.1	1.0	-10.0	5.0
87	06/09/2013 17:30	29.0	33.2	2.0	2.0	7.0	29.0	33.2	2.0	2.0	7.0	29.0	33.1	0.0	-8.0	2.0	29.0	33.1	1.0	-9.0	4.0
88	13/09/2013 07:30	18.0	33.2	4.0	7.0	9.0	18.0	33.2	2.0	2.0	9.0	18.0	33.1	0.0	-7.0	2.0	18.0	33.1	1.0	-8.0	4.0
89	21/09/2013 09:30	21.0	33.2	4.0	6.0	7.0	21.0	33.2	3.0	0.0	7.0	21.0	33.1	0.0	-8.0	3.0	21.0	33.1	0.0	-8.0	4.0
90	26/09/2013 09:30	18.0	33.2	4.0	5.0	6.0	18.0	33.2	2.0	1.0	8.0	18.0	33.1	0.0	-9.0	2.0	18.0	33.1	0.0	-10.0	3.0
91	03/10/2013 16:30	20.0	33.2	4.0	7.0	4.0	20.0	33.2	2.0	3.0	7.0	20.0	33.1	1.0	-8.0	5.0	20.0	33.1	1.0	-8.0	5.0
92	10/10/2013 08:30	16.0	33.2	4.0	6.0	7.0	16.0	33.2	3.0	2.0	10.0	16.0	33.1	0.0	-9.0	3.0	16.0	33.1	1.0	-9.0	4.0
93	16/10/2013 14:30	23.0	33.2	4.0	2.0	6.0	23.0	33.2	2.0	0.0	9.0	23.0	33.1	-2.0	-9.0	3.0	23.0	33.1	-1.0	-9.0	5.0
94	24/10/2013 08:30	18.0	33.2	4.0	3.0	6.0	18.0	33.2	2.0	2.0	9.0	18.0	33.1	-2.0	-8.0	3.0	18.0	33.1	-1.0	-8.0	4.0
95	31/10/2013 14:30	23.0	33.2	5.0	4.0	6.0	23.0	33.2	3.0	2.0	9.0	23.0	33.1	-2.0	-9.0	3.0	23.0	33.1	-1.0	-9.0	3.0
96	07/11/2013 08:30	11.0	33.2	5.0	2.0	6.0	11.0	33.2	3.0	-1.0	9.0	11.0	33.1	-2.0	-9.0	2.0	11.0	33.1	-1.0	-9.0	3.0
97	14/11/2013 14:30	20.0	33.2	5.0	4.0	7.0	20.0	33.2	3.0	2.0	11.0	20.0	33.1	-1.0	-9.0	3.0	20.0	33.1	0.0	-10.0	5.0
98	25/11/2013 15:30	12.0	33.2	5.0	4.0	7.0	12.0	33.2	3.0	1.0	11.0	12.0	33.1	-1.0	-8.0	2.0	12.0	33.1	0.0	-8.0	3.0
99	30/11/2013 08:30	7.0	33.2	5.0	6.0	7.0	7.0	33.2	3.0	3.0	11.0	7.0	33.1	-1.0	-7.0	4.0	7.0	33.1	-1.0	-9.0	3.0
100	05/12/2013 08:30	7.0	33.2	5.0	3.0	6.0	7.0	33.2	3.0	1.0	10.0	7.0	33.1	-1.0	-9.0	4.0	7.0	33.1	0.0	-9.0	5.0
101	19/12/2013 13:00	8.0	33.2	5.0	1.0	4.0	8.0	33.2	3.0	1.0	10.0	8.0	33.1	-2.0	-8.0	4.0	8.0	33.1	-2.0	-8.0	3.0
102	27/12/2013 09:00	8.0	33.2	5.0	0.0	2.0	8.0	33.2	3.0	2.0	9.0	8.0	33.1	-3.0	-7.0	5.0	8.0	33.1	-3.0	-8.0	3.0
103	02/01/2014 07:30	14.0	33.2	5.0	0.0	2.0	14.0	33.2	3.0	2.0	8.0	14.0	33.1	-2.0	-7.0	5.0	14.0	33.1	-3.0	-9.0	3.0
104	08/01/2014 14:30	14.0	33.2	5.0	6.0	7.0	14.0	33.2	3.0	4.0	9.0	14.0	33.1	-1.0	-10.0	4.0	14.0	33.1	-2.0	-10.0	4.0
105	15/01/2014 08:30	11.0	33.2	6.0	6.0	7.0	11.0	33.2	3.0	2.0	9.0	11.0	33.1	-1.0	-10.0	2.0	11.0	33.1	0.0	-10.0	3.0
106	22/01/2014 14:30	12.0	33.2	6.0	4.0	7.0	12.0	33.2	3.0	1.0	10.0	12.0	33.1	-1.0	-10.0	3.0					



Ubicazione STAZIONE CHIAIA
Opera \ \ | Ordine di Tiranti \ 05-
Tipo Strumento Mire Ottiche
Data posa in opera 15/07/2011
Data lettura di zero 15/07/2011

GRAFICO QUOTA

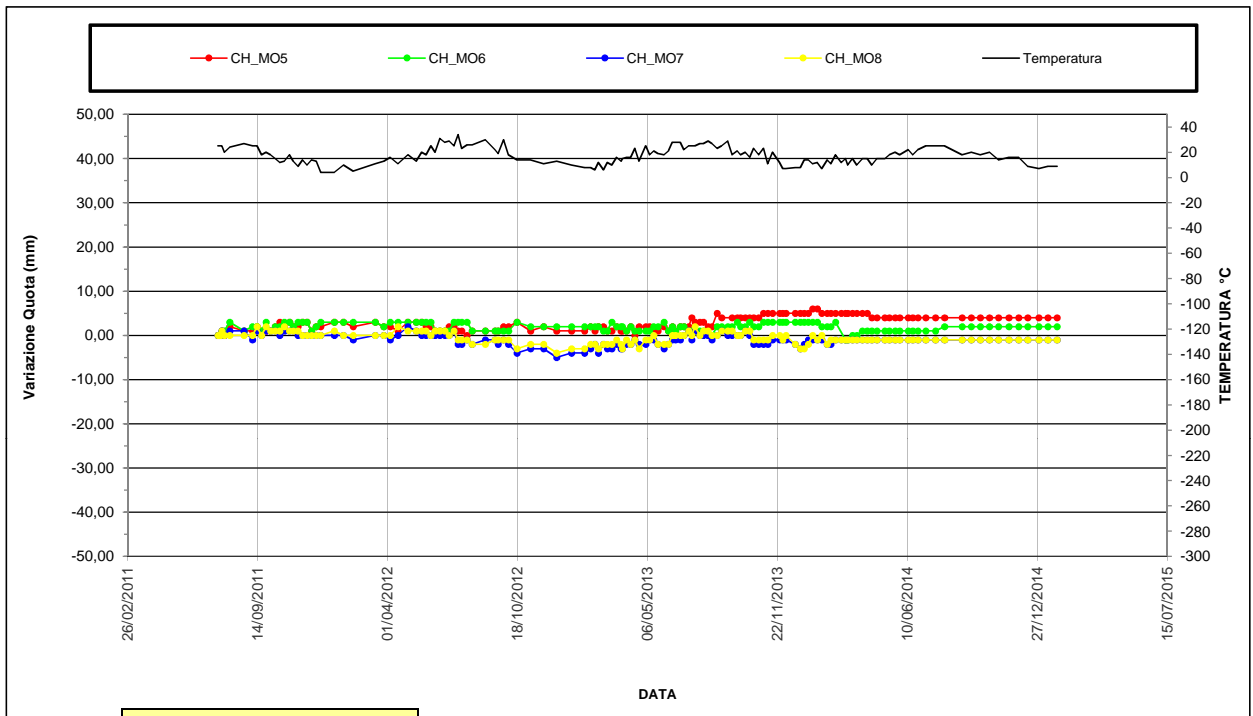
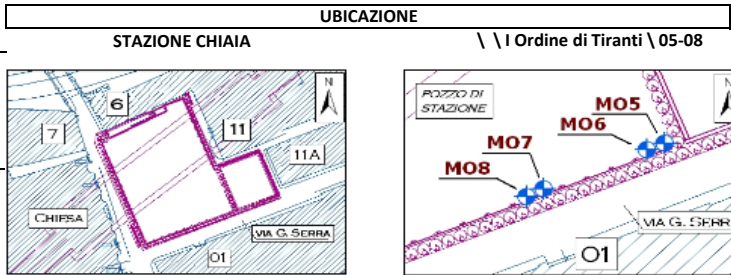
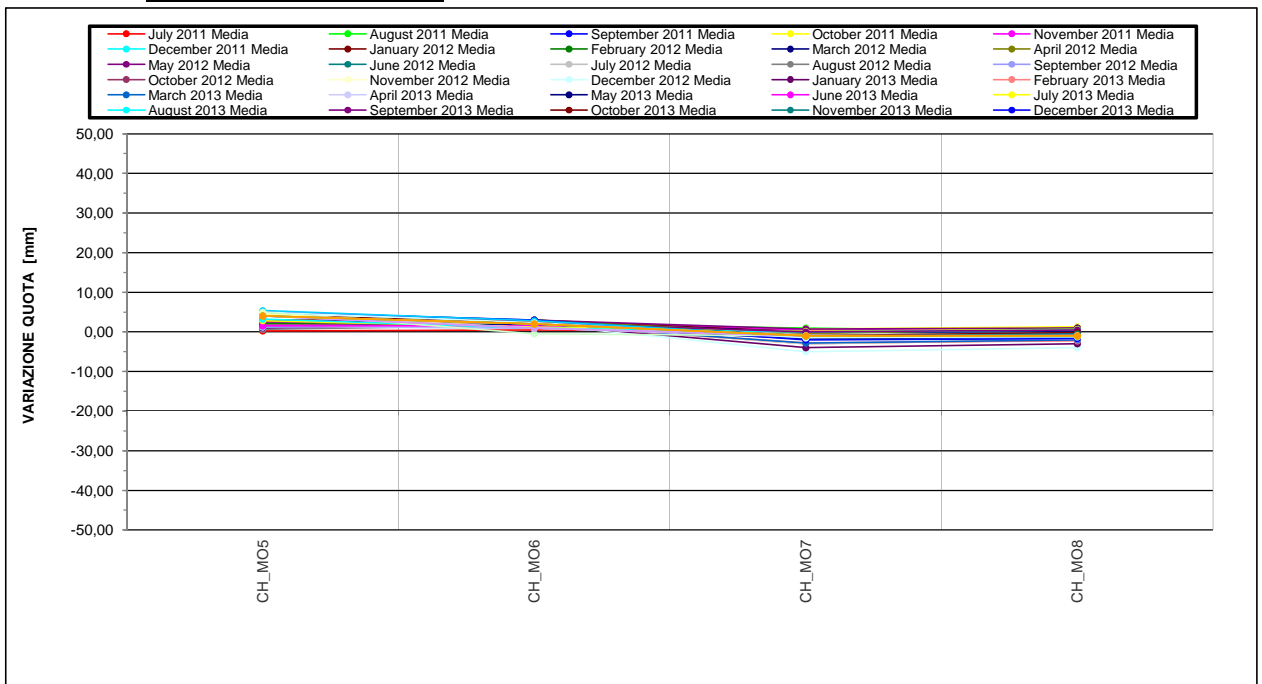


GRAFICO ISOCRONE





Ubicazione STAZIONE CHIAIA
Opera \ \ I Ordine di Tiranti \ 05-
Tipo Strumento Mire Ottiche
Data posa in opera 15/07/2011
Data lettura di zero 15/07/2011

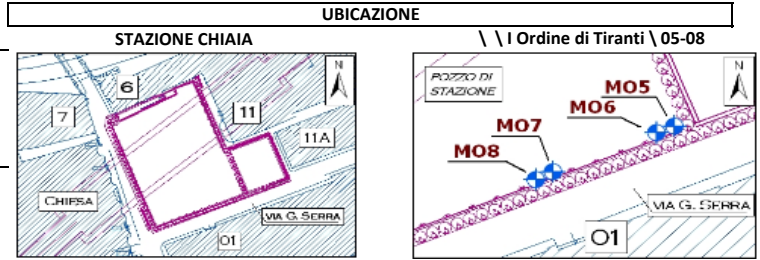


GRAFICO EST

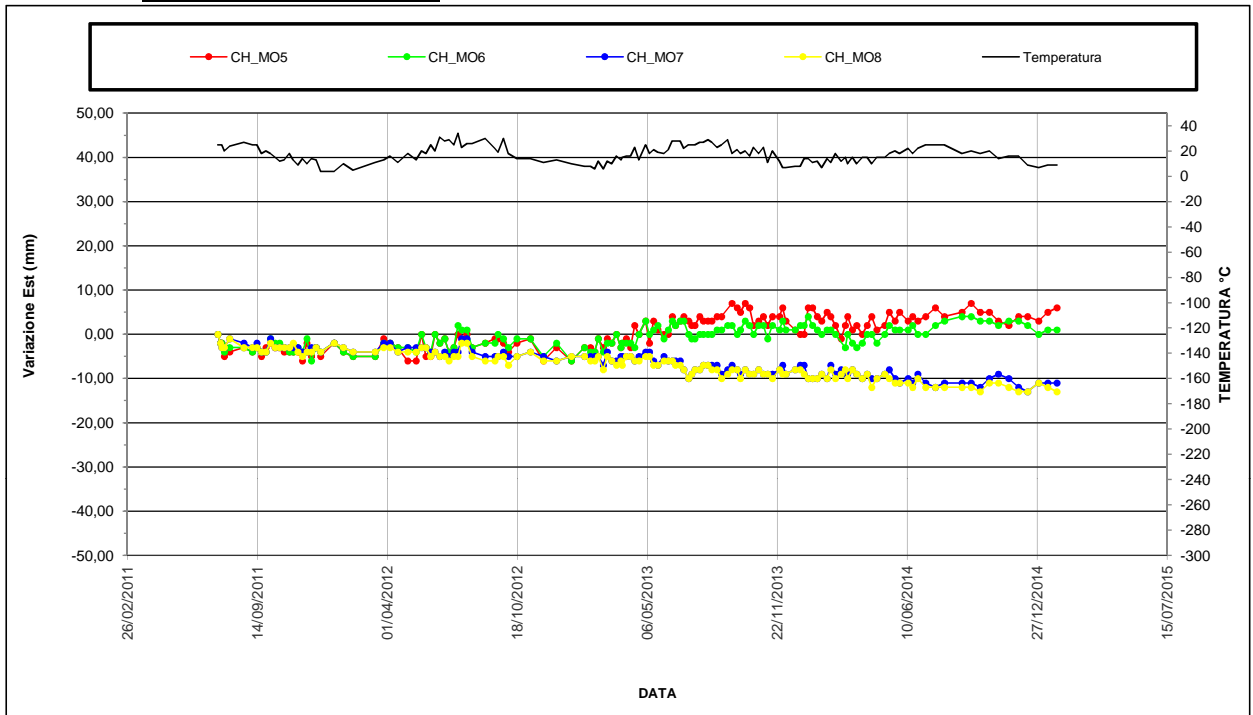
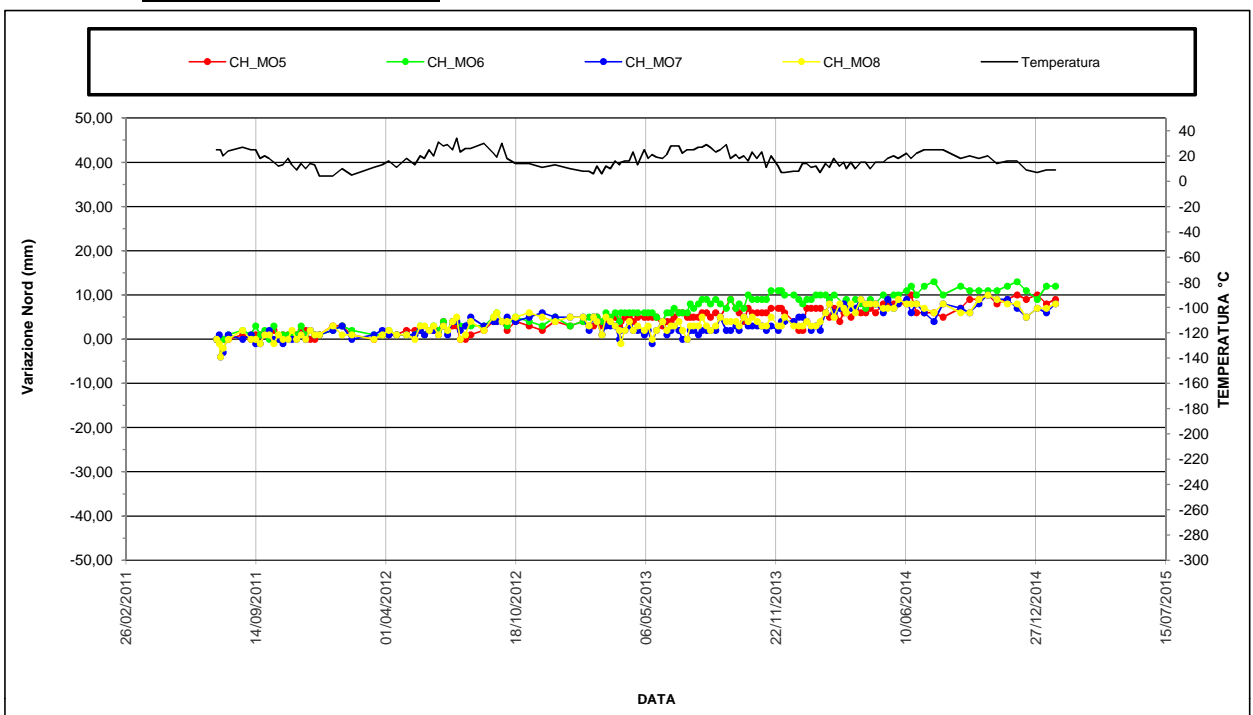


GRAFICO NORD





Ubicazione STAZIONE CHIAIA

Opera \ \ Ordine di Tiranti \ 09-12

Tipo Strumento Mire Ottiche

Data posa in opera 15/07/2011

Data lettura di zero 15/07/2011

Ultima in data 140 26/01/2015
Misura data

Let. n°	DATA	CH_M010					CH_M011					CH_M012					CH_M09				
		Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]
50	07/11/2012 08:30	14.0	34.1	-2.0	-3.0	3.0	14.0	34.0	-2.0	0.0	2.0	14.0	34.0	0.0	0.0	3.0	14.0	34.1	-1.0	-2.0	3.0
51	27/11/2012 08:30	11.0	34.1	-2.0	-3.0	3.0	11.0	34.0	-2.0	0.0	3.0	11.0	34.0	-1.0	-1.0	3.0	11.0	34.1	0.0	-2.0	4.0
52	17/12/2012 08:30	13.0	34.1	-3.0	-5.0	3.0	13.0	34.0	-3.0	-1.0	2.0	13.0	34.0	-3.0	-2.0	3.0	13.0	34.1	-3.0	-3.0	5.0
53	09/01/2013 08:30	10.0	34.1	-3.0	-3.0	2.0	10.0	34.0	-2.0	-1.0	2.0	10.0	34.0	-2.0	-2.0	2.0	10.0	34.1	-2.0	-4.0	3.0
54	29/01/2013 08:30	8.0	34.1	-3.0	-3.0	4.0	8.0	34.0	-2.0	-1.0	3.0	8.0	34.0	-2.0	-2.0	3.0	8.0	34.1	-2.0	-3.0	5.0
55	07/02/2013 15:00	8.0	34.1	-1.0	-4.0	2.0	8.0	34.0	-1.0	0.0	2.0	8.0	34.0	-1.0	-1.0	2.0	8.0	34.1	0.0	-3.0	2.0
56	14/02/2013 08:30	6.0	34.1	-1.0	-3.0	4.0	6.0	34.0	-1.0	0.0	3.0	6.0	34.0	-1.0	0.0	5.0	6.0	34.1	0.0	-2.0	4.0
57	19/02/2013 15:30	12.0	34.1	-2.0	-3.0	3.0	12.0	34.0	-2.0	0.0	3.0	12.0	34.0	-2.0	0.0	4.0	12.0	34.1	-1.0	-1.0	4.0
58	27/02/2013 08:30	6.0	34.1	-1.0	-6.0	1.0	6.0	34.0	0.0	-1.0	1.0	6.0	34.0	0.0	-2.0	2.0	6.0	34.1	0.0	-4.0	1.0
59	05/03/2013 10:30	12.0	34.1	-2.0	-3.0	2.0											12.0	34.1	-1.0	-2.0	3.0
60	12/03/2013 08:30	10.0	34.1	-2.0	-5.0	2.0											10.0	34.1	-1.0	-4.0	3.0
61	19/03/2013 16:00	16.0	34.1	-1.0	-4.0	2.0											16.0	34.1	1.0	-4.0	3.0
62	26/03/2013 08:30	13.0	34.1	-2.0	-3.0	-1.0											13.0	34.1	-1.0	-2.0	1.0
63	28/03/2013 11:00	15.0	34.1	-2.0	-4.0	0.0											15.0	34.1	-1.0	-3.0	2.0
64	03/04/2013 17:30	16.0	34.1	-2.0	-4.0	1.0	16.0	34.0	-1.0	1.0	1.0	16.0	34.0	-2.0	0.0	3.0	16.0	34.1	0.0	-3.0	2.0
65	10/04/2013 10:30	16.0	34.1	-1.0	-3.0	2.0	16.0	34.0	-1.0	1.0	1.0	16.0	34.0	-2.0	0.0	2.0	16.0	34.1	0.0	-3.0	2.0
66	16/04/2013 15:00	23.0	34.1	0.0	-4.0	0.0	23.0	34.0	0.0	0.0	0.0	23.0	34.0	0.0	0.0	0.0	23.0	34.1	0.0	-3.0	0.0
67	23/04/2013 08:30	13.0	34.1	-2.0	-3.0	1.0	13.0	34.0	-2.0	1.0	1.0	13.0	34.0	-2.0	1.0	1.0	13.0	34.1	-1.0	-2.0	2.0
68	03/05/2013 14:30	25.0	34.1	-1.0	-3.0	1.0	25.0	34.0	-1.0	1.0	2.0	25.0	34.0	0.0	2.0	2.0	25.0	34.1	0.0	-2.0	0.0
69	09/05/2013 08:30	18.0	34.1	0.0	-4.0	1.0	18.0	34.0	-1.0	1.0	1.0	18.0	34.0	-1.0	1.0	2.0	18.0	34.1	0.0	-3.0	1.0
70	15/05/2013 14:30	21.0	34.1	0.0	-5.0	-1.0	21.0	34.0	0.0	0.0	0.0	21.0	34.0	0.0	0.0	0.0	21.0	34.1	1.0	-3.0	-1.0
71	22/05/2013 08:30	19.0	34.1	-1.0	-5.0	0.0	19.0	34.0	0.0	-1.0	1.0	19.0	34.0	0.0	0.0	1.0	19.0	34.1	0.0	-5.0	1.0
72	31/05/2013 15:30	18.0	34.1	-2.0	-3.0	2.0	18.0	34.0	-2.0	1.0	2.0	18.0	34.0	-2.0	0.0	3.0	18.0	34.1	-1.0	-3.0	3.0
73	07/06/2013 08:30	21.0	34.1	-2.0	-4.0	2.0	21.0	34.0	-2.0	0.0	1.0	21.0	34.0	-2.0	0.0	2.0	21.0	34.1	-1.0	-4.0	2.0
74	13/06/2013 14:30	28.0	34.1	0.0	-4.0	1.0	28.0	34.0	-1.0	1.0	1.0	28.0	34.0	0.0	2.0	2.0	28.0	34.1	1.0	-3.0	2.0
75	18/06/2013 09:00	28.0	34.1	0.0	-5.0	1.0	28.0	34.0	-1.0	1.0	1.0	28.0	34.0	-1.0	1.0	1.0	28.0	34.1	0.0	-4.0	2.0
76	25/06/2013 18:00	28.0	34.1	-1.0	-5.0	1.0	28.0	34.0	-2.0	1.0	1.0	28.0	34.0	-2.0	1.0	1.0	28.0	34.1	1.0	-5.0	1.0
77	01/07/2013 07:30	22.0	34.1	0.0	-6.0	1.0	22.0	34.0	-2.0	0.0	1.0	22.0	34.0	-2.0	0.0	1.0	22.0	34.1	0.0	-4.0	1.0
78	08/07/2013 17:30	25.0	34.1	1.0	-8.0	0.0	25.0	34.0	0.0	-2.0	0.0	25.0	34.0	0.0	-1.0	1.0	25.0	34.1	2.0	-7.0	0.0
79	13/07/2013 07:30	25.0	34.1	0.0	-6.0	1.0	25.0	34.0	-2.0	0.0	2.0	25.0	34.0	-2.0	0.0	1.0	25.0	34.1	0.0	-7.0	2.0
80	18/07/2013 07:30	25.0	34.1	1.0	-6.0	0.0	25.0	34.0	-1.0	1.0	1.0	25.0	34.0	0.0	1.0	1.0	25.0	34.1	2.0	-5.0	0.0
81	25/07/2013 18:00	27.0	34.1	0.0	-6.0	1.0	27.0	34.0	-1.0	1.0	1.0	27.0	34.0	-1.0	1.0	1.0	27.0	34.1	1.0	-6.0	2.0
82	31/07/2013 09:00	27.0	34.1	0.0	-5.0	1.0	27.0	34.0	-1.0	1.0	0.0	27.0	34.0	-1.0	1.0	2.0	27.0	34.1	1.0	-4.0	2.0
83	07/08/2013 09:00	29.0	34.1	0.0	-5.0	0.0	29.0	34.0	-1.0	1.0	0.0	29.0	34.0	-2.0	1.0	2.0	29.0	34.1	1.0	-4.0	1.0
84	13/08/2013 09:00	27.0	34.1	-1.0	-6.0	-1.0	27.0	34.0	-2.0	1.0	1.0	27.0	34.0	-3.0	0.0	1.0	27.0	34.1	0.0	-5.0	0.0
85	21/08/2013 07:30	23.0	34.1	0.0	-5.0	1.0	23.0	34.0	-1.0	1.0	1.0	23.0	34.0	-2.0	2.0	2.0	23.0	34.1	1.0	-5.0	2.0
86	28/08/2013 10:30	25.0	34.1	1.0	-7.0	3.0	25.0	34.0	0.0	-1.0	4.0	25.0	34.0	0.0	-1.0	4.0	25.0	34.1	2.0	-6.0	5.0
87	06/09/2013 17:30	29.0	34.1	0.0	-7.0	1.0	29.0	34.0	-1.0	-1.0	1.0	29.0	34.0	-1.0	1.0	1.0	29.0	34.1	1.0	-6.0	2.0
88	13/09/2013 07:30	18.0	34.1	0.0	-5.0	2.0	18.0	34.0	-1.0	1.0	1.0	18.0	34.0	-1.0	1.0	1.0	18.0	34.1	1.0	-5.0	1.0
89	21/09/2013 09:30	21.0	34.1	0.0	-6.0	1.0	21.0	34.0	-3.0	0.0	1.0	21.0	34.0	-2.0	1.0	1.0	21.0	34.1	0.0	-5.0	2.0
90	26/09/2013 09:30	18.0	34.1	0.0	-7.0	1.0	18.0	34.0	-2.0	-1.0	1.0	18.0	34.0	-2.0	-1.0	2.0	18.0	34.1	0.0	-6.0	1.0
91	03/10/2013 16:30	20.0	34.1	0.0	-7.0	1.0	20.0	34.0	-3.0	0.0	1.0	20.0	34.0	-2.0	-1.0	2.0	20.0	34.1	0.0	-5.0	2.0
92	10/10/2013 08:30	16.0	34.1	0.0	-6.0	1.0	16.0	34.0	-2.0	0.0	2.0	16.0	34.0	-1.0	1.0	3.0	16.0	34.1	1.0	-6.0	2.0
93	16/10/2013 14:30	23.0	34.1	-1.0	-7.0	3.0	23.0	34.0	-3.0	-1.0	2.0	23.0	34.0	-2.0	1.0	3.0	23.0	34.1	0.0	-6.0	3.0
94	24/10/2013 08:30	18.0	34.1	-1.0	-5.0	1.0	18.0	34.0	-3.0	1.0	1.0	18.0	34.0	-3.0	1.0	2.0	18.0	34.1	0.0	-4.0	2.0
95	31/10/2013 14:30	23.0	34.1	-1.0	-6.0	3.0	23.0	34.0	-3.0	0.0	2.0	23.0	34.0	-3.0	0.0	3.0	23.0	34.1	0.0	-5.0	3.0
96	07/11/2013 08:30	11.0	34.1	-1.0	-7.0	1.0	11.0	34.0	-3.0	0.0	0.0	11.0	34.0	-3.0	0.0	1.0	11.0	34.1	0.0	-5.0	1.0
97	14/11/2013 14:30	20.0	34.1	-1.0	-6.0	3.0	20.0	34.0	-3.0	0.0	2.0	20.0	34.0	-2.0	1.0	3.0	20.0	34.1	0.0	-6.0	3.0
98	25/11/2013 15:30	12.0	34.1	-1.0	-5.0	2.0	12.0	34.0	-3.0	1.0	2.0	12.0	34.0	-2.0	1.0	1.0	12.0	34.1	0.0	-4.0	2.0
99	30/11/2013 08:30	7.0	34.1	-1.0	-5.0	3.0	7.0	34.0	-3.0	1.0	2.0	7.0	34.0	-2.0	1.0	3.0	7.0	34.1	0.0	-4.0	3.0
100	05/12/2013 08:30	7.0	34.1	-1.0	-7.0	2.0	7.0	34.0	-3.0	-1.0	1.0	7.0	34.0	-2.0	0.0	3.0	7.0	34.1	0.0	-6.0	2.0
101	19/12/2013 13:00	8.0	34.1	-2.0	-6.0	1.0	8.0	34.0	-4.0	0.0	2.0	8.0	34.0	-4.0	-1.0	2.0	8.0	34.1	-1.0	-5.0	3.0
102	27/12/2013 09:00	8.0	34.1	-2.0	-6.0	1.0	8.0	34.0	-5.0	0.0	3.0	8.0	34.0	-5.0	-1.0	2.0	8.0	34.1	-2.0	-5.0	4.0
103	02/01/2014 07:30	14.0	34.1	-2.0	-7.0	2.0	14.0	34.0	-5.0	-1.0	2.0	14.0	34.0	-5.0	0.0	3.0	14.0	34.1	-1.0	-6.0	5.0
104	08/01/2014 14:30	14.0	34.1	-2.0	-6.0	3.0	14.0	34.0	-4.0	-1.0	3.0	14.0	34.0	-4.0	-1.0	4.0	14.0	34.1	0.0	-7.0	2.0
105	15/01/2014 08:30	11.0	34.1	-1.0	-8.0	1.0	11.0	34.0	-4.0	-1.0	1.0	11.0	34.0	-3.0	-1.0	2.0	11.0	34.1	0.0	-7.0	3.0
106	22/01/2014 14:30	12.0	34.1	0.0	-7.0	3.0	12.0	34.0	-3.0	-1.0	0.0	12.0	34.0	-2.0	-1.0	2.0	12.0	34.1	0.0	-6.0	3.0
107	29/01/2014 08:30	7.0	34.1	0.0	-7.0	2.0	7.0	34.0	-3.0	0.0	2.0	7.0	34.0	-3.0	0.0	1.0	7.0	34.1	0.0	-6.0	2.0
108	06/02/2014 14:30	14.0	34.1	-2.0	-9.0	1.0	14.0	34.0	-3.0	-2.0	3.0	14.0	34.0								



Ubicazione STAZIONE CHIAIA
Opera \ \ I Ordine di Tiranti \ 09-
Tipo Strumento Mire Ottiche
Data posa in opera 15/07/2011
Data lettura di zero 15/07/2011

GRAFICO QUOTA

UBICAZIONE

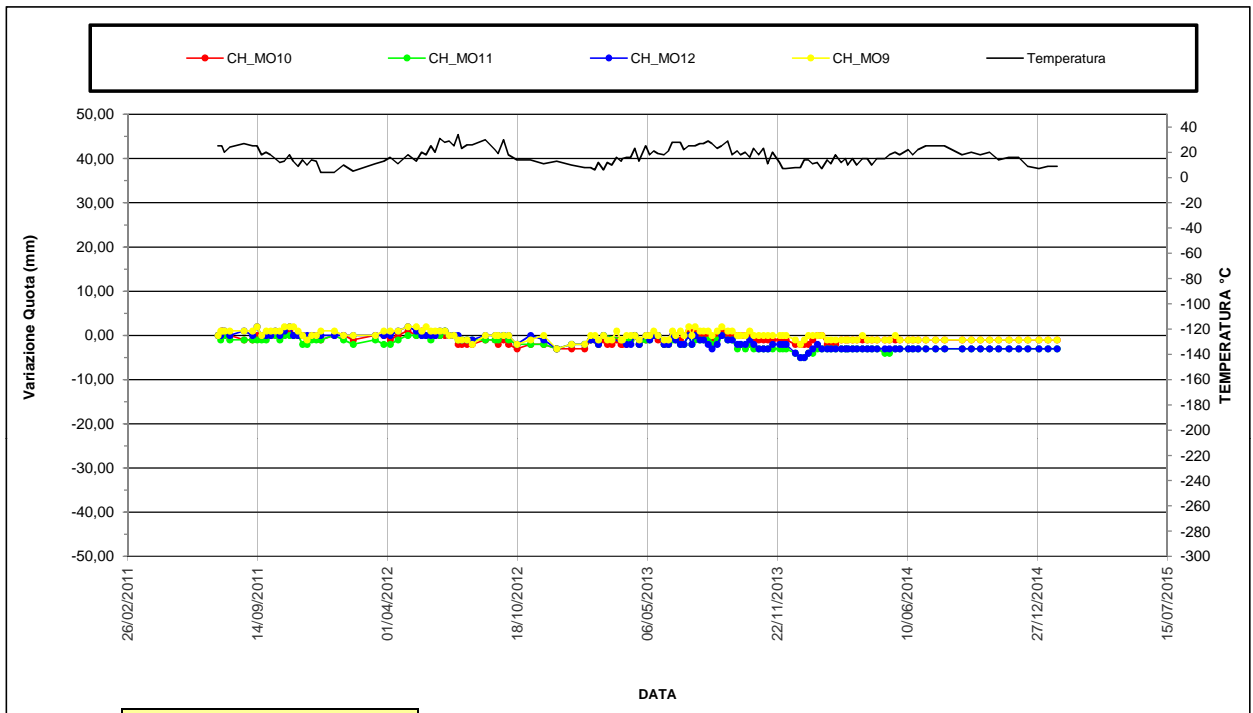
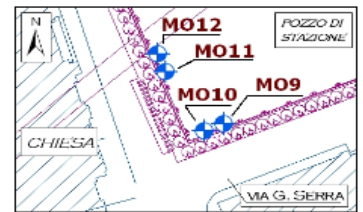
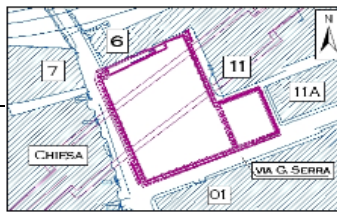
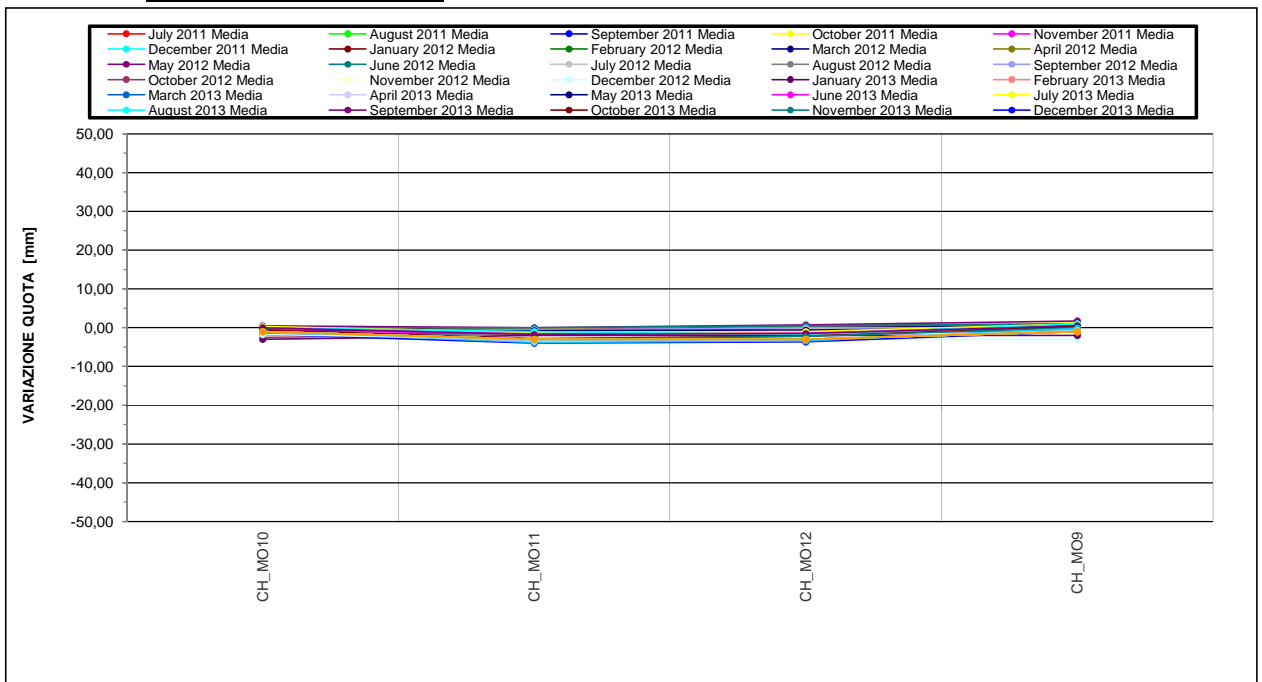


GRAFICO ISOCRONE





Ubicazione STAZIONE CHIAIA
Opera \ \ I Ordine di Tiranti \ 09-
Tipo Strumento Mire Ottiche
Data posa in opera 15/07/2011
Data lettura di zero 15/07/2011

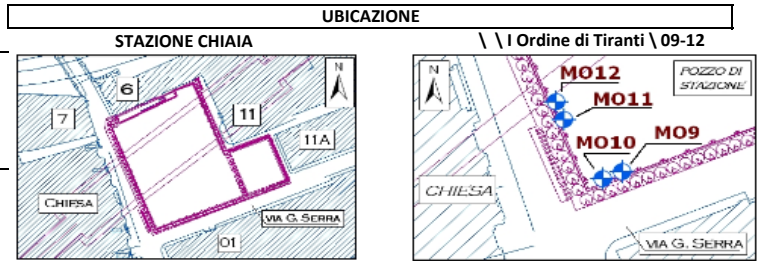


GRAFICO EST

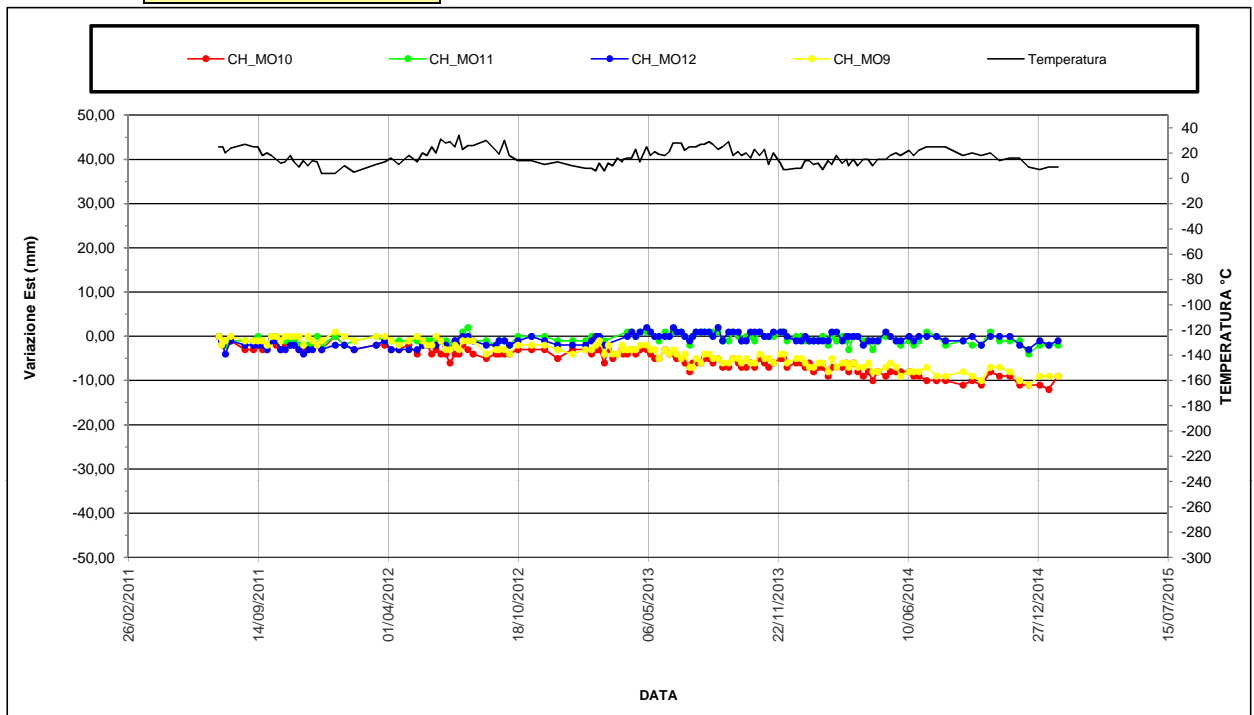
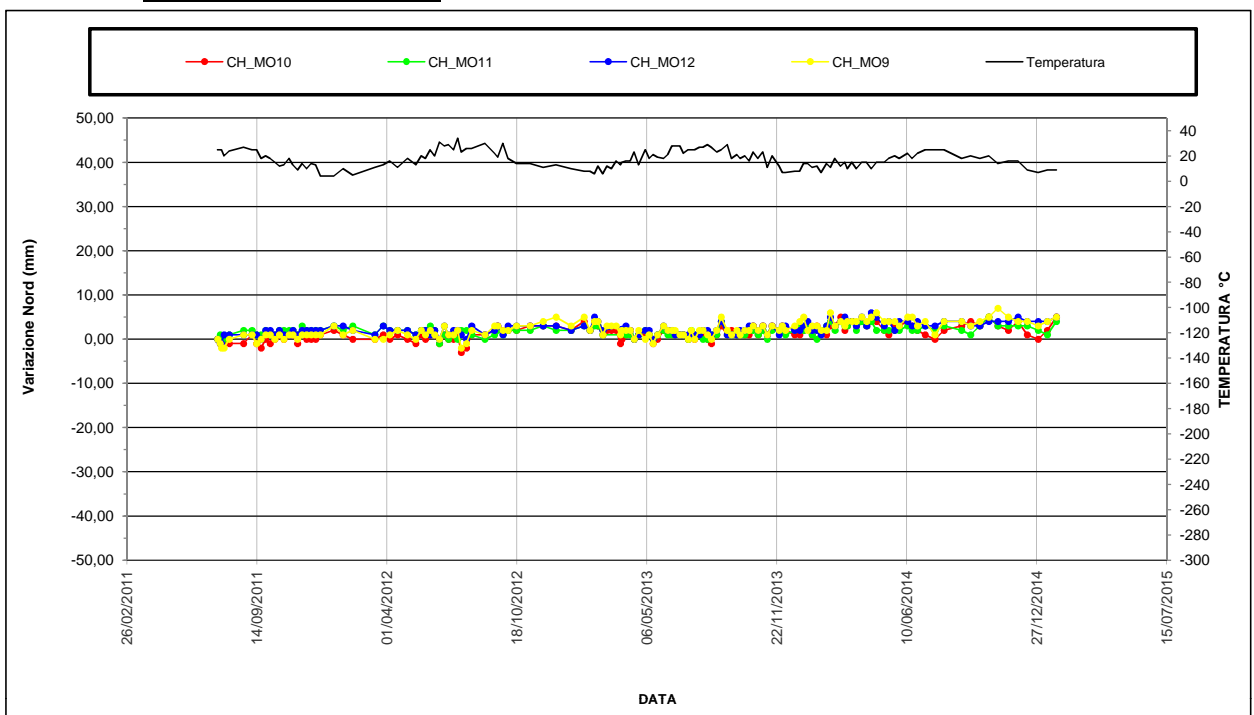


GRAFICO NORD



Ubicazione STAZIONE CHIAIA

Opera \ \ Ordine di Tiranti \ 13-16

Tipo Strumento Mire Ottiche

Data posa in opera 15/07/2011

Data lettura di zero 15/07/2011

Ultima Misura 142 in data 26/01/2015

Lett. n°	DATA	CH_M013					CH_M014					CH_M015					CH_M016				
		Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]
52	07/11/2012 08:30	14.0	34.0	-1.0	2.0	2.0	14.0	34.0	0.0	2.0	2.0	14.0	34.6	1.0	1.0	2.0	14.0	34.6	1.0	3.0	1.0
53	27/11/2012 08:30	11.0	34.0	-1.0	1.0	1.0	11.0	34.0	0.0	1.0	1.0	11.0	34.6	0.0	0.0	2.0	11.0	34.6	0.0	1.0	2.0
54	17/12/2012 08:30	13.0	34.0	-3.0	1.0	2.0	13.0	34.0	-3.0	1.0	2.0	13.0	34.6	0.0	1.0	2.0	13.0	34.6	-1.0	3.0	1.0
55	09/01/2013 08:30	10.0	34.0	-2.0	1.0	1.0	10.0	34.0	-1.0	1.0	2.0	10.0	34.6	1.0	1.0	2.0	10.0	34.6	-1.0	2.0	1.0
56	29/01/2013 08:30	8.0	34.0	-3.0	1.0	1.0	8.0	34.0	-2.0	1.0	3.0	8.0	34.6	0.0	-1.0	2.0	8.0	34.6	0.0	2.0	2.0
57	07/02/2013 15:00	8.0	34.0	-2.0	2.0	0.0	8.0	34.0	-1.0	2.0	0.0	8.0	34.6	1.0	2.0	-1.0	8.0	34.6	0.0	2.0	-1.0
58	14/02/2013 08:30	6.0	34.0	-2.0	3.0	2.0	6.0	34.0	-1.0	3.0	2.0	6.0	34.6	0.0	0.0	2.0	6.0	34.6	0.0	4.0	2.0
59	19/02/2013 15:30	12.0	34.0	-3.0	1.0	1.0	12.0	34.0	-1.0	3.0	2.0	12.0	34.6	-1.0	1.0	2.0	12.0	34.6	-1.0	3.0	1.0
60	27/02/2013 08:30	6.0	34.0	-2.0	1.0	1.0	6.0	34.0	0.0	2.0	1.0	6.0	34.6	1.0	2.0	1.0	6.0	34.6	1.0	2.0	-2.0
61	05/03/2013 10:30	12.0	34.0	-2.0	3.0	0.0	12.0	34.0	-1.0	3.0	1.0	12.0	34.6	0.0	0.0	-1.0	12.0	34.6	0.0	2.0	0.0
62	12/03/2013 08:30	10.0	34.0	-2.0	2.0	1.0	10.0	34.0	-1.0	2.0	2.0	10.0	34.6	0.0	0.0	1.0	10.0	34.6	0.0	2.0	1.0
63	19/03/2013 16:00	16.0	34.0	-2.0	2.0	1.0	16.0	34.0	0.0	3.0	2.0	16.0	34.6	0.0	0.0	0.0	16.0	34.6	0.0	2.0	0.0
64	26/03/2013 08:30	13.0	34.0	-3.0	4.0	-1.0	13.0	34.0	-2.0	4.0	0.0	13.0	34.6	0.0	1.0	-2.0	13.0	34.6	0.0	3.0	-2.0
65	28/03/2013 11:00	15.0	34.0	-3.0	4.0	-1.0	15.0	34.0	-2.0	4.0	0.0	15.0	34.6	-1.0	2.0	-2.0	15.0	34.6	0.0	3.0	-1.0
66	03/04/2013 17:30	16.0	34.0	-3.0	3.0	0.0	16.0	34.0	-1.0	4.0	2.0	16.0	34.6	0.0	0.0	-2.0	16.0	34.6	1.0	2.0	-1.0
67	10/04/2013 10:30	16.0	34.0	-2.0	4.0	1.0	16.0	34.0	-1.0	3.0	1.0	16.0	34.6	0.0	1.0	0.0	16.0	34.6	0.0	2.0	1.0
68	16/04/2013 15:00	23.0	34.0	-1.0	3.0	0.0	23.0	34.0	0.0	3.0	0.0	23.0	34.6	1.0	0.0	-1.0	23.0	34.6	1.0	1.0	-2.0
69	23/04/2013 08:30	13.0	34.0	-3.0	3.0	0.0	13.0	34.0	-2.0	4.0	0.0	13.0	34.6	0.0	2.0	-1.0	13.0	34.6	-1.0	2.0	-1.0
70	03/05/2013 14:30	25.0	34.0	-2.0	4.0	0.0	25.0	34.0	0.0	5.0	0.0	25.0	34.6	1.0	2.0	0.0	25.0	34.6	1.0	3.0	0.0
71	09/05/2013 08:30	18.0	34.0	-2.0	3.0	1.0	18.0	34.0	-1.0	4.0	1.0	18.0	34.6	1.0	1.0	0.0	18.0	34.6	1.0	3.0	0.0
72	15/05/2013 14:30	21.0	34.0	-1.0	3.0	-2.0	21.0	34.0	0.0	3.0	-1.0	21.0	34.6	2.0	1.0	-1.0	21.0	34.6	1.0	2.0	-2.0
73	22/05/2013 08:30	19.0	34.0	-2.0	3.0	0.0	19.0	34.0	0.0	3.0	0.0	19.0	34.6	1.0	0.0	0.0	19.0	34.6	0.0	0.0	0.0
74	31/05/2013 15:30	18.0	34.0	-3.0	4.0	1.0	18.0	34.0	-2.0	4.0	2.0	18.0	34.6	0.0	0.0	1.0	18.0	34.6	0.0	1.0	0.0
75	07/06/2013 14:30	21.0	34.0	-3.0	4.0	0.0	21.0	34.0	-2.0	5.0	1.0	21.0	34.6	0.0	0.0	0.0	21.0	34.6	0.0	2.0	0.0
76	13/06/2013 14:30	28.0	34.0	-2.0	4.0	0.0	28.0	34.0	0.0	5.0	1.0	28.0	34.6	1.0	1.0	-1.0	28.0	34.6	1.0	1.0	-1.0
77	18/06/2013 09:00	28.0	34.0	-3.0	3.0	0.0	28.0	34.0	-1.0	3.0	1.0	28.0	34.6	0.0	0.0	0.0	28.0	34.6	0.0	0.0	0.0
78	25/06/2013 18:00	28.0	34.0	-3.0	4.0	0.0	28.0	34.0	-1.0	5.0	1.0	28.0	34.6	0.0	1.0	0.0	28.0	34.6	1.0	2.0	-1.0
79	01/07/2013 07:30	22.0	34.0	-2.0	5.0	0.0	22.0	34.0	-2.0	4.0	0.0	22.0	34.6	1.0	2.0	0.0	22.0	34.6	1.0	4.0	1.0
80	08/07/2013 17:30	25.0	34.0	-2.0	1.0	0.0	25.0	34.0	-1.0	2.0	0.0	25.0	34.6	2.0	0.0	0.0	25.0	34.6	2.0	1.0	0.0
81	13/07/2013 07:30	25.0	34.0	-3.0	4.0	2.0	25.0	34.0	-2.0	3.0	1.0	25.0	34.6	0.0	1.0	1.0	25.0	34.6	0.0	1.0	1.0
82	18/07/2013 07:30	25.0	34.0	-2.0	3.0	0.0	25.0	34.0	0.0	4.0	1.0	25.0	34.6	2.0	1.0	0.0	25.0	34.6	2.0	2.0	0.0
83	25/07/2013 18:00	27.0	34.0	-3.0	4.0	0.0	27.0	34.0	-1.0	4.0	1.0	27.0	34.6	1.0	1.0	0.0	27.0	34.6	1.0	2.0	0.0
84	31/07/2013 09:00	27.0	34.0	-2.0	5.0	0.0	27.0	34.0	-1.0	4.0	1.0	27.0	34.6	1.0	1.0	0.0	27.0	34.6	1.0	2.0	0.0
85	07/08/2013 09:00	29.0	34.0	-4.0	4.0	0.0	29.0	34.0	-1.0	4.0	1.0	29.0	34.6	1.0	1.0	1.0	29.0	34.6	1.0	1.0	0.0
86	13/08/2013 09:00	27.0	34.0	-4.0	3.0	1.0	27.0	34.0	-2.0	3.0	2.0	27.0	34.6	0.0	0.0	2.0	27.0	34.6	0.0	0.0	1.0
87	21/08/2013 07:30	23.0	34.0	-3.0	4.0	0.0	23.0	34.0	-1.0	6.0	2.0	23.0	34.6	2.0	2.0	1.0	23.0	34.6	1.0	3.0	1.0
88	28/08/2013 10:30	25.0	34.0	-1.0	3.0	2.0	25.0	34.0	0.0	3.0	4.0	25.0	34.6	3.0	0.0	2.0	25.0	34.6	3.0	0.0	2.0
89	06/09/2013 17:30	29.0	34.0	-2.0	4.0	1.0	29.0	34.0	-1.0	3.0	1.0	29.0	34.6	2.0	1.0	0.0	29.0	34.6	2.0	1.0	-1.0
90	13/09/2013 07:30	18.0	34.0	-3.0	4.0	0.0	18.0	34.0	-1.0	4.0	1.0	18.0	34.6	1.0	2.0	0.0	18.0	34.6	1.0	3.0	0.0
91	21/09/2013 09:30	21.0	34.0	-3.0	4.0	0.0	21.0	34.0	-2.0	4.0	2.0	21.0	34.6	0.0	0.0	0.0	21.0	34.6	0.0	1.0	0.0
92	26/09/2013 09:30	18.0	34.0	-3.0	3.0	1.0	18.0	34.0	-2.0	3.0	2.0	18.0	34.6	1.0	0.0	0.0	18.0	34.6	1.0	1.0	0.0
93	03/10/2013 16:30	20.0	34.0	-3.0	3.0	2.0	20.0	34.0	-1.0	3.0	2.0	20.0	34.6	1.0	-1.0	1.0	20.0	34.6	1.0	1.0	1.0
94	10/10/2013 08:30	16.0	34.0	-2.0	3.0	1.0	16.0	34.0	-1.0	4.0	2.0	16.0	34.6	1.0	1.0	0.0	16.0	34.6	1.0	1.0	-1.0
95	16/10/2013 14:30	23.0	34.0	-3.0	3.0	1.0	23.0	34.0	-2.0	3.0	2.0	23.0	34.6	0.0	0.0	1.0	23.0	34.6	0.0	1.0	0.0
96	24/10/2013 08:30	18.0	34.0	-3.0	5.0	1.0	18.0	34.0	-2.0	5.0	2.0	18.0	34.6	0.0	2.0	0.0	18.0	34.6	0.0	3.0	-1.0
97	31/10/2013 14:30	23.0	34.0	-4.0	3.0	1.0	23.0	34.0	-2.0	4.0	2.0	23.0	34.6	0.0	0.0	1.0	23.0	34.6	0.0	1.0	0.0
98	07/11/2013 08:30	11.0	34.0	-4.0	4.0	1.0	11.0	34.0	-2.0	4.0	1.0	11.0	34.6	0.0	1.0	0.0	11.0	34.6	0.0	2.0	-1.0
99	14/11/2013 14:30	20.0	34.0	-4.0	4.0	2.0	20.0	34.0	-2.0	3.0	3.0	20.0	34.6	0.0	0.0	1.0	20.0	34.6	0.0	2.0	0.0
100	25/11/2013 15:30	12.0	34.0	-4.0	4.0	0.0	12.0	34.0	-2.0	5.0	1.0	12.0	34.6	0.0	2.0	0.0	12.0	34.6	0.0	2.0	0.0
101	30/11/2013 08:30	7.0	34.0	-4.0	5.0	3.0	7.0	34.0	-2.0	5.0	2.0	7.0	34.6	0.0	2.0	1.0	7.0	34.6	0.0	3.0	1.0
102	05/12/2013 08:30	7.0	34.0	-4.0	3.0	1.0	7.0	34.0	-2.0	4.0	3.0	7.0	34.6	0.0	1.0	0.0	7.0	34.6	0.0	3.0	1.0
103	19/12/2013 13:00	8.0	34.0	-5.0	2.0	1.0	8.0	34.0	-3.0	3.0	2.0	8.0	34.6	-1.0	0.0	2.0	8.0	34.6	-1.0	2.0	2.0
104	27/12/2013 09:00	8.0	34.0	-6.0	2.0	2.0	8.0	34.0	-4.0	2.0	3.0	8.0	34.6	-2.0	0.0	3.0	8.0	34.6	-2.0	1.0	3.0
105	02/01/2014 07:30	14.0	34.0	-7.0	1.0	2.0	14.0	34.0	-5.0	3.0	3.0	14.0	34.6	-2.0	0.0	4.0	14.0	34.6	-3.0	2.0	2.0
106	08/01/2014 14:30	14.0	34.0	-4.0	3.0	3.0	14.0	34.0	-3.0	2.0	3.0	14.0	34.6	-1.0	-1.0	2.0	14.0	34.6	-1.0	0.0	1.0
107	15/01/2014 08:30	11.0	34.0	-4.0	3.0	1.0	11.0	34.0	-2.0	3.0	2.0	11.0	34.6	0.0	1.0	0.0	11.0	34.6	-1.0	2.0	0.0
108	22/01/2014 14:30	12.0	34.0	-3.0	2.0	1.0															



Ubicazione STAZIONE CHIAIA
Opera \ \ I Ordine di Tiranti \ 13-
Tipo Strumento Mire Ottiche
Data posa in opera 15/07/2011
Data lettura di zero 15/07/2011

GRAFICO QUOTA

UBICAZIONE

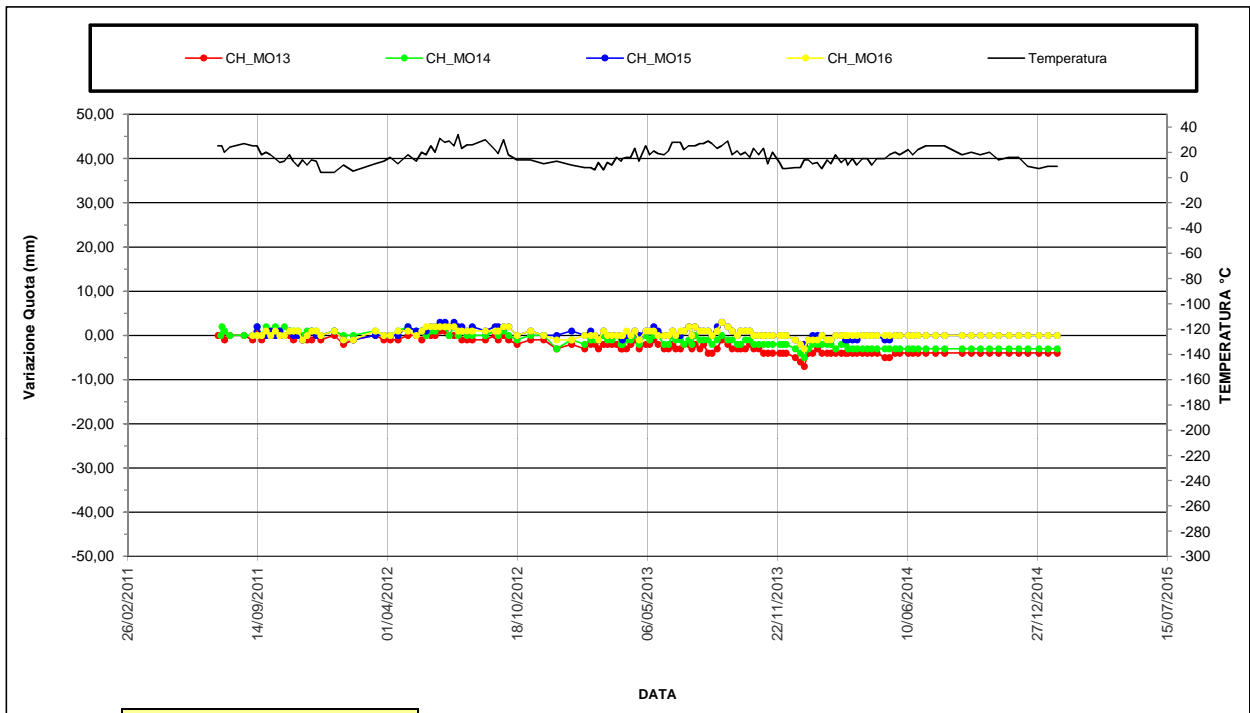
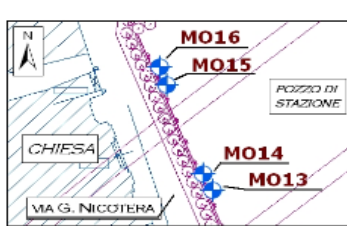
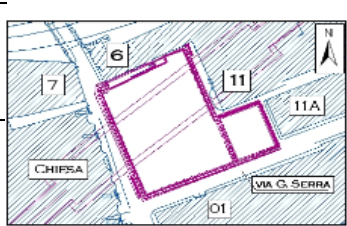
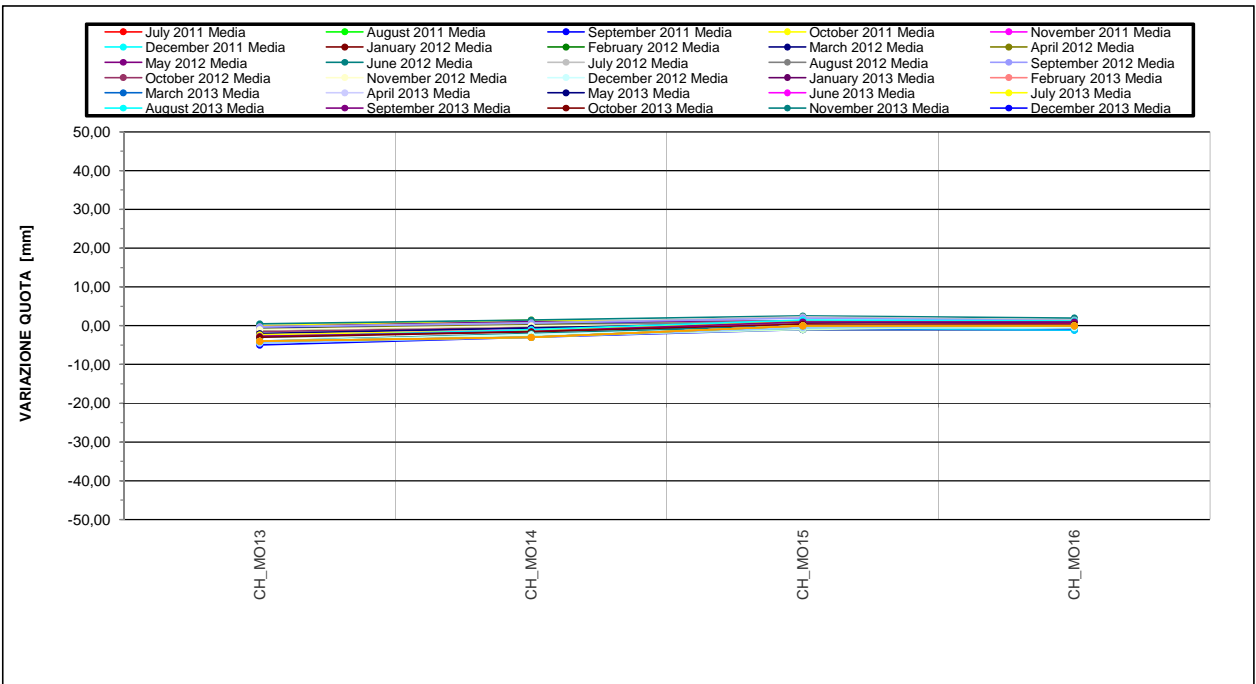


GRAFICO ISOCRONE





Ubicazione STAZIONE CHIAIA
Opera \ \ I Ordine di Tiranti \ 13-
Tipo Strumento Mire Ottiche
Data posa in opera 15/07/2011
Data lettura di zero 15/07/2011

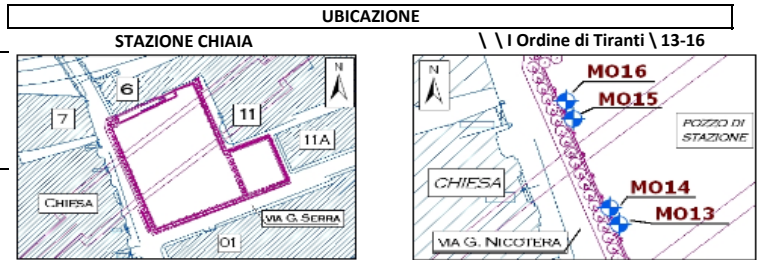


GRAFICO EST

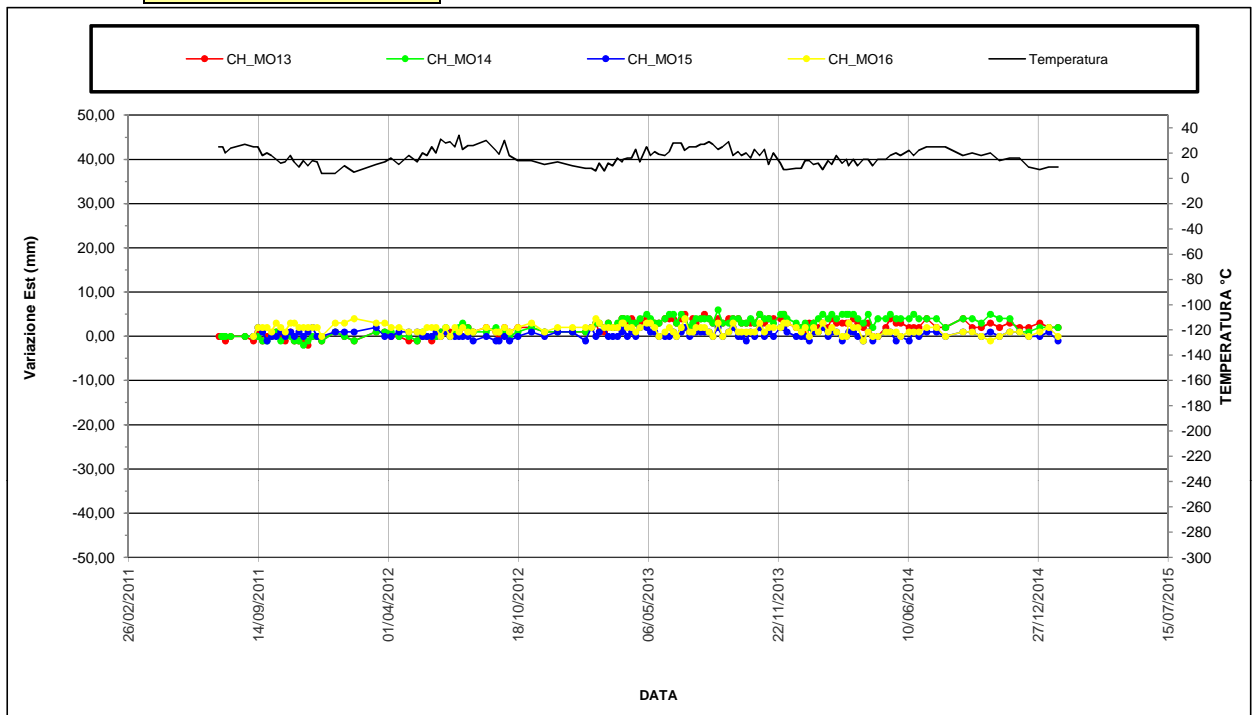
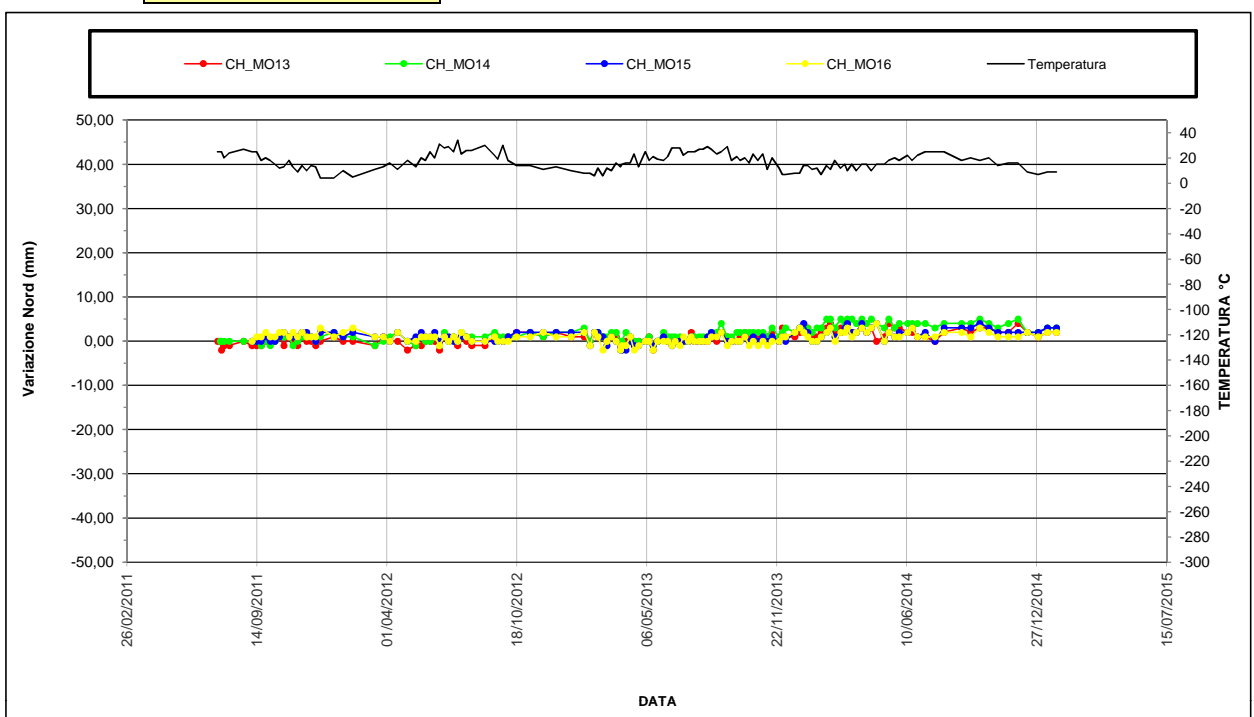


GRAFICO NORD





Ubicazione STAZIONE CHIAIA

Opera \ \ II Ordine di Tiranti \ 17-20

Tipo Strumento Mire Ottiche

Data posa in opera 17/04/2012

Data lettura di zero 17/04/2012

Ultima Misura 125 in data 26/01/2015

Letto. n°	DATA	CH_M017					CH_M018					CH_M019					CH_M020				
		Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est. Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est. Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est. Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est. Spost. [mm]	Nord Spost. [mm]
35	07/11/2012 08:30	14.0	26,5	-1,0	1,0	1,0	14,0	26,4	0,0	1,0	2,0	14,0	28,7	0,0	1,0	1,0	14,0	28,7	0,0	-1,0	-1,0
36	27/11/2012 08:30	11,0	26,5	0,0	1,0	0,0	11,0	26,4	1,0	2,0	0,0	11,0	28,7	0,0	0,0	0,0	11,0	28,7	1,0	-3,0	-2,0
37	17/12/2012 08:30	13,0	26,5	-1,0	1,0	1,0	13,0	26,4	0,0	1,0	1,0	13,0	28,7	-1,0	0,0	1,0	13,0	28,7	-1,0	-1,0	0,0
38	09/01/2013 08:30	10,0	26,5	-1,0	1,0	1,0	10,0	26,4	1,0	1,0	1,0	10,0	28,7	-1,0	-1,0	1,0	10,0	28,7	0,0	-2,0	0,0
39	29/01/2013 08:30	8,0	26,5	0,0	0,0	0,0	8,0	26,4	0,0	1,0	1,0	8,0	28,7	-1,0	-1,0	1,0	8,0	28,7	0,0	-2,0	-1,0
40	07/02/2013 15:00	8,0	26,5	1,0	2,0	1,0	8,0	26,4	1,0	3,0	2,0	8,0	28,7	0,0	0,0	1,0	8,0	28,7	2,0	-2,0	-1,0
41	14/02/2013 08:30	6,0	26,5	0,0	1,0	0,0	6,0	26,4	0,0	2,0	0,0	6,0	28,7	0,0	-1,0	0,0	6,0	28,7	0,0	-2,0	-2,0
42	19/02/2013 15:30	12,0	26,5	1,0	-1,0	-1,0	12,0	26,4	0,0	0,0	0,0	12,0	28,7	0,0	-1,0	0,0	12,0	28,7	0,0	-3,0	-2,0
43	27/02/2013 08:30	6,0	26,5	1,0	1,0	1,0	6,0	26,4	1,0	1,0	0,0	6,0	28,7	0,0	0,0	0,0	6,0	28,7	0,0	-3,0	-2,0
44	05/03/2013 10:30	12,0	26,5	0,0	0,0	0,0	12,0	26,4	0,0	1,0	1,0	12,0	28,7	-1,0	0,0	1,0	12,0	28,7	-1,0	-1,0	-1,0
45	12/03/2013 08:30	10,0	26,5	1,0	1,0	2,0	10,0	26,4	1,0	1,0	1,0	10,0	28,7	0,0	-1,0	1,0	10,0	28,7	1,0	-2,0	-1,0
46	19/03/2013 16:00	16,0	26,5	2,0	1,0	-1,0	16,0	26,4	1,0	3,0	1,0	16,0	28,7	0,0	0,0	1,0	16,0	28,7	0,0	-1,0	0,0
47	26/03/2013 08:30	13,0	26,5	1,0	2,0	0,0	13,0	26,4	0,0	3,0	1,0	13,0	28,7	0,0	0,0	0,0	13,0	28,7	0,0	-1,0	-2,0
48	28/03/2013 11:00	15,0	26,5	2,0	1,0	0,0	15,0	26,4	1,0	2,0	1,0	15,0	28,7	0,0	-1,0	1,0	15,0	28,7	1,0	-1,0	-1,0
49	03/04/2013 17:30	16,0	26,5	-1,0	1,0	-1,0	16,0	26,4	0,0	0,0	0,0	16,0	28,7	-1,0	-1,0	1,0	16,0	28,7	-1,0	-2,0	-1,0
50	10/04/2013 10:30	16,0	26,5	1,0	1,0	1,0	16,0	26,4	1,0	2,0	1,0	16,0	28,7	0,0	0,0	2,0	16,0	28,7	1,0	-2,0	-1,0
51	16/04/2013 15:00	23,0	26,5	0,0	1,0	0,0	23,0	26,4	0,0	1,0	-1,0	23,0	28,7	-2,0	1,0	0,0	23,0	28,7	-1,0	-2,0	-2,0
52	23/04/2013 08:30	13,0	26,5	0,0	0,0	0,0	13,0	26,4	1,0	1,0	1,0	13,0	28,7	-1,0	0,0	1,0	13,0	28,7	0,0	-2,0	-1,0
53	03/05/2013 14:30	25,0	26,5	1,0	1,0	0,0	25,0	26,4	2,0	2,0	1,0	25,0	28,7	0,0	0,0	1,0	25,0	28,7	0,0	0,0	0,0
54	09/05/2013 08:30	18,0	26,5	1,0	2,0	1,0	18,0	26,4	2,0	1,0	1,0	18,0	28,7	0,0	-1,0	2,0	18,0	28,7	1,0	-3,0	-1,0
55	15/05/2013 14:30	21,0	26,5	0,0	0,0	-1,0	21,0	26,4	1,0	2,0	0,0	21,0	28,7	-1,0	2,0	1,0	21,0	28,7	0,0	0,0	-1,0
56	22/05/2013 15:30	19,0	26,5	0,0	2,0	-1,0	19,0	26,4	1,0	2,0	1,0	19,0	28,7	-1,0	1,0	0,0	19,0	28,7	0,0	-1,0	-2,0
57	31/05/2013 15:30	18,0	26,5	2,0	1,0	-1,0	18,0	26,4	1,0	2,0	-1,0	18,0	28,7	1,0	-1,0	0,0	18,0	28,7	1,0	-1,0	-2,0
58	07/06/2013 08:30	21,0	26,5	1,0	1,0	0,0	21,0	26,4	0,0	2,0	1,0	21,0	28,7	0,0	0,0	1,0	21,0	28,7	0,0	-2,0	-1,0
59	13/06/2013 14:30	28,0	26,5	2,0	2,0	0,0	28,0	26,4	2,0	3,0	0,0	28,0	28,7	0,0	1,0	1,0	28,0	28,7	1,0	1,0	-2,0
60	18/06/2013 09:00	28,0	26,5	1,0	1,0	1,0	28,0	26,4	0,0	2,0	1,0	28,0	28,7	-1,0	0,0	2,0	28,0	28,7	0,0	-1,0	-1,0
61	25/06/2013 18:00	28,0	26,5	1,0	1,0	0,0	28,0	26,4	1,0	3,0	1,0	28,0	28,7	0,0	1,0	1,0	28,0	28,7	0,0	0,0	-2,0
62	01/07/2013 07:30	22,0	26,5	1,0	1,0	0,0	22,0	26,4	1,0	2,0	1,0	22,0	28,7	0,0	1,0	0,0	22,0	28,7	0,0	-1,0	-1,0
63	08/07/2013 17:30	25,0	26,5	2,0	2,0	1,0	25,0	26,4	1,0	2,0	1,0	25,0	28,7	0,0	0,0	1,0	25,0	28,7	0,0	0,0	0,0
64	13/07/2013 07:30	25,0	26,5	1,0	1,0	1,0	25,0	26,4	2,0	2,0	2,0	25,0	28,7	0,0	-1,0	2,0	25,0	28,7	1,0	-2,0	-1,0
65	18/07/2013 07:30	25,0	26,5	1,0	1,0	1,0	25,0	26,4	1,0	2,0	1,0	25,0	28,7	0,0	0,0	1,0	25,0	28,7	1,0	-1,0	0,0
66	25/07/2013 18:00	27,0	26,5	2,0	0,0	0,0	27,0	26,4	1,0	1,0	1,0	27,0	28,7	0,0	0,0	2,0	27,0	28,7	0,0	0,0	0,0
67	31/07/2013 09:00	27,0	26,5	1,0	1,0	1,0	27,0	26,4	1,0	1,0	1,0	27,0	28,7	0,0	-1,0	1,0	27,0	28,7	0,0	-1,0	0,0
68	07/08/2013 09:00	29,0	26,5	1,0	1,0	2,0	29,0	26,4	1,0	1,0	2,0	29,0	28,7	-1,0	0,0	2,0	29,0	28,7	0,0	-1,0	0,0
69	13/08/2013 09:00	27,0	26,5	0,0	2,0	3,0	27,0	26,4	0,0	2,0	3,0	27,0	28,7	-2,0	1,0	2,0	27,0	28,7	-1,0	-1,0	0,0
70	21/08/2013 07:30	23,0	26,5	1,0	2,0	0,0	23,0	26,4	1,0	3,0	1,0	23,0	28,7	-1,0	1,0	1,0	23,0	28,7	0,0	0,0	0,0
71	28/08/2013 10:30	25,0	26,5	2,0	1,0	0,0	25,0	26,4	2,0	1,0	1,0	25,0	28,7	-1,0	1,0	2,0	25,0	28,7	0,0	0,0	0,0
72	06/09/2013 17:30	29,0	26,5	2,0	1,0	1,0	29,0	26,4	2,0	3,0	0,0	29,0	28,7	-1,0	1,0	1,0	29,0	28,7	0,0	-1,0	-1,0
73	13/09/2013 07:30	18,0	26,5	2,0	2,0	1,0	18,0	26,4	2,0	3,0	0,0	18,0	28,7	-1,0	2,0	2,0	18,0	28,7	0,0	0,0	0,0
74	21/09/2013 09:30	21,0	26,5	3,0	1,0	-1,0	21,0	26,4	2,0	3,0	0,0	21,0	28,7	-1,0	1,0	1,0	21,0	28,7	0,0	0,0	-1,0
75	26/09/2013 09:30	18,0	26,5	3,0	1,0	0,0	18,0	26,4	2,0	3,0	1,0	18,0	28,7	-1,0	0,0	1,0	18,0	28,7	-1,0	0,0	-1,0
76	03/10/2013 16:30	20,0	26,5	3,0	3,0	-1,0	20,0	26,4	2,0	3,0	1,0	20,0	28,7	-1,0	1,0	1,0	20,0	28,7	0,0	1,0	-1,0
77	10/10/2013 08:30	16,0	26,5	3,0	3,0	2,0	16,0	26,4	3,0	3,0	1,0	16,0	28,7	0,0	1,0	2,0	16,0	28,7	0,0	0,0	1,0
78	16/10/2013 14:30	23,0	26,5	2,0	1,0	1,0	23,0	26,4	3,0	3,0	1,0	23,0	28,7	-1,0	0,0	2,0	23,0	28,7	0,0	-1,0	0,0
79	24/10/2013 08:30	18,0	26,5	2,0	2,0	2,0	18,0	26,4	2,0	3,0	2,0	18,0	28,7	-2,0	1,0	3,0	18,0	28,7	-1,0	0,0	0,0
80	31/10/2013 14:30	23,0	26,5	2,0	3,0	1,0	23,0	26,4	2,0	4,0	1,0	23,0	28,7	-1,0	1,0	2,0	23,0	28,7	0,0	0,0	0,0
81	07/11/2013 08:30	11,0	26,5	2,0	3,0	2,0	11,0	26,4	2,0	4,0	2,0	11,0	28,7	-1,0	2,0	2,0	11,0	28,7	-1,0	1,0	0,0
82	14/11/2013 14:30	20,0	26,5	2,0	3,0	1,0	20,0	26,4	2,0	3,0	1,0	20,0	28,7	-1,0	2,0	2,0	20,0	28,7	-1,0	0,0	0,0
83	25/11/2013 15:30	12,0	26,5	2,0	3,0	2,0	12,0	26,4	2,0	4,0	2,0	12,0	28,7	-1,0	0,0	2,0	12,0	28,7	-1,0	0,0	1,0
84	30/11/2013 08:30	7,0	26,5	2,0	2,0	1,0	7,0	26,4	2,0	3,0	2,0	7,0	28,7	-1,0	2,0	2,0	7,0	28,7	-1,0	0,0	0,0
85	05/12/2013 08:30	7,0	26,5	3,0	3,0	1,0	7,0	26,4	2,0	4,0	2,0	7,0	28,7	-1,0	1,0	1,0	7,0	28,7	-1,0	0,0	0,0
86	19/12/2013 13:00	8,0	26,5	2,0	2,0	2,0	8,0	26,4	1,0	2,0	2,0	8,0	28,7	-3,0	1,0	2,0	8,0	28,7	-2,0	-1,0	0,0
87	27/12/2013 09:00	8,0	26,5	1,0	2,0	3,0	8,0	26,4	1,0	1,0	2,0	8,0	28,7	-3,0	0,0	1,0	8,0	28,7	-2,0	-2,0	0,0
88	02/01/2014 07:30	14,0	26,5	1,0	1,0	4,0	14,0	26,4	1,0	1,0	3,0	14,0	28,7	-2,0	0,0	2,0	14,0	28,7	-2,0	-1,0	-1,0
89	08/01/2014 14:30	14,0	26,5	3,0	3,0	1,0	14,0	26,4	3,0	4,0	1,0	14,0	28,7	-1,0	2,0	2,0	14,0	28,7	-1,0	1,0	0,0
90	15/01/2014 08:30	11,0	26,5	3,0	4,0	1,0	11,0	26,4	3,0	4,0	1,0	11,0	28,7	-1,0	2,0	2,0	11,0	28,7	-1,0	1,0	0,0
91	22/01/2014 14:30	12,0	26,5	3,0	4,0	2,0	12,0	26,4	2,0	5,0	2,0	12,0									



Ubicazione STAZIONE CHIAIA
Opera \ \ Il Ordine di Tiranti \ 17-
Tipo Strumento Mire Ottiche
Data posa in opera 17/04/2012
Data lettura di zero 17/04/2012

UBICAZIONE

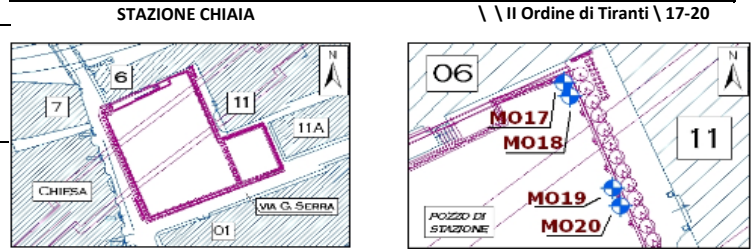


GRAFICO QUOTA

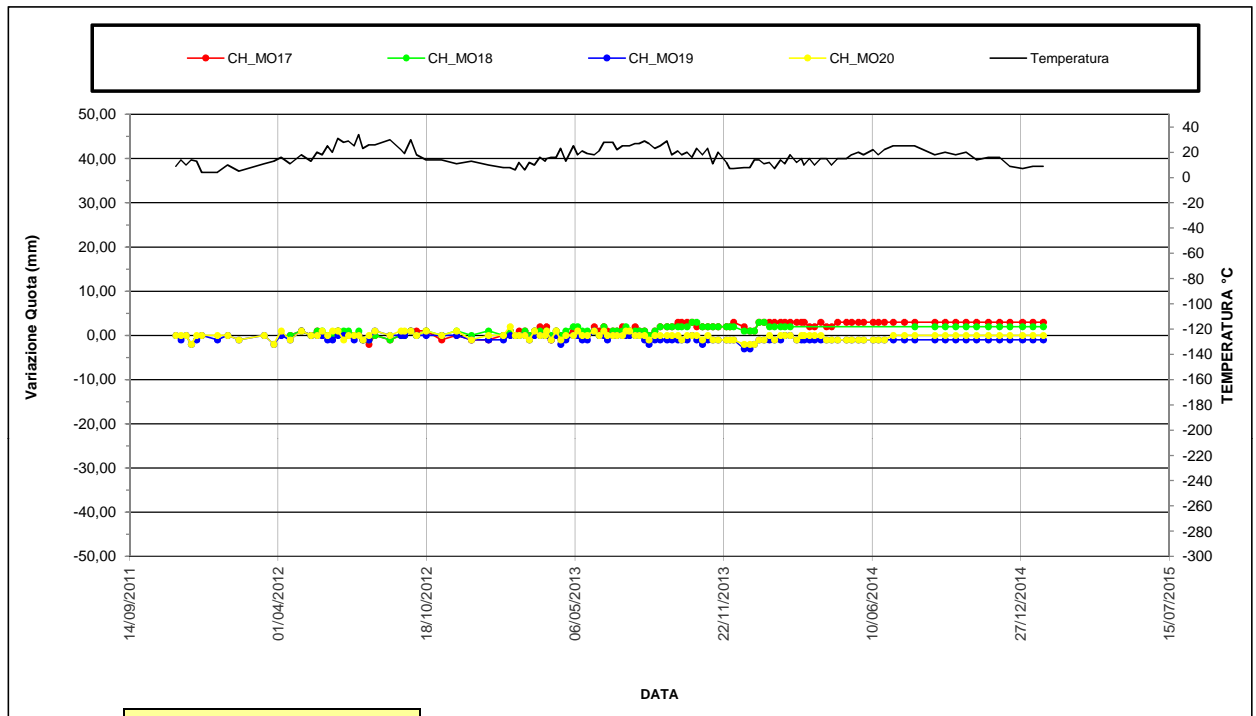
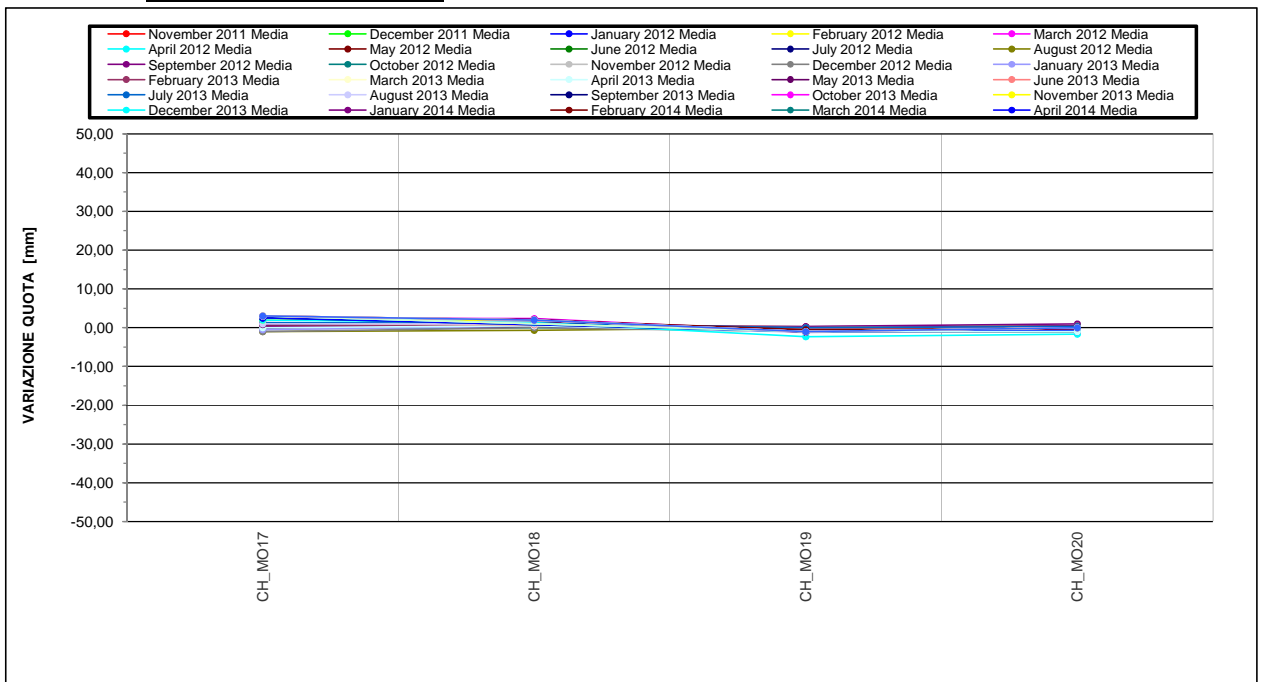


GRAFICO ISOCRONE





Ubicazione STAZIONE CHIAIA
Opera \ \ Il Ordine di Tiranti \ 17-
Tipo Strumento Mire Ottiche
Data posa in opera 17/04/2012
Data lettura di zero 17/04/2012

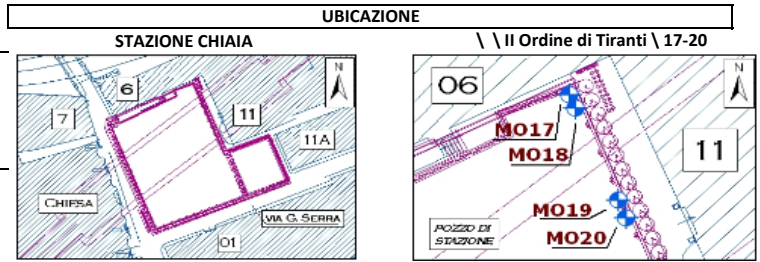


GRAFICO EST

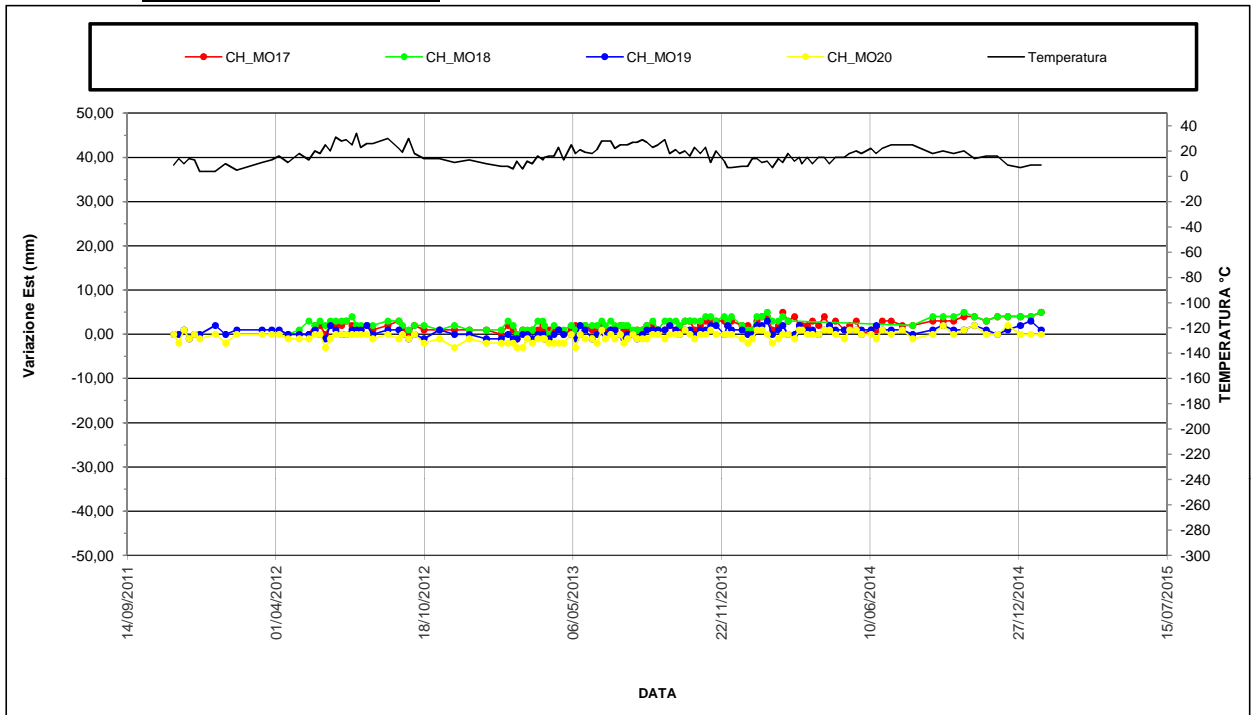
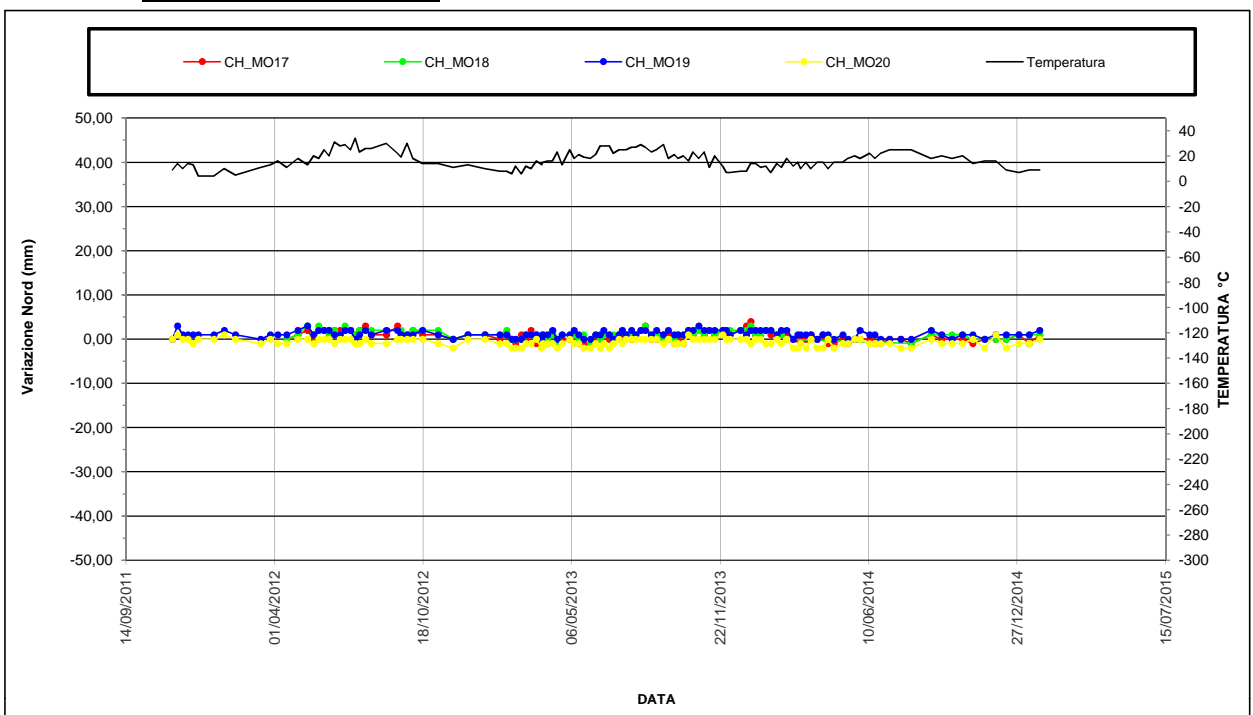


GRAFICO NORD





Ubicazione STAZIONE CHIAIA

Opera \ \ II Ordine di Tiranti \ 21-24

Tipo Strumento Mire Ottiche

Data posa in opera 02/08/2011

Data lettura di zero 02/08/2011

Ultima Misura 136 in data 26/01/2015

Letto. n°	DATA	CH_M021					CH_M022					CH_M023					CH_M024				
		Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]
46	07/11/2012 08:30	14.0	28.9	-1.0	3.0	4.0	14.0	28.9	-2.0	1.0	5.0	14.0	28.8	-3.0	-4.0	8.0	14.0	28.8	-4.0	-3.0	7.0
47	27/11/2012 08:30	11.0	28.9	0.0	-2.0	2.0	11.0	28.9	-1.0	-3.0	3.0	11.0	28.8	-3.0	-5.0	8.0	11.0	28.8	-4.0	-5.0	8.0
48	17/12/2012 08:30	13.0	28.9	-1.0	1.0	5.0	13.0	28.9	-2.0	-1.0	5.0	13.0	28.8	-6.0	-6.0	8.0	13.0	28.8	-6.0	-5.0	7.0
49	09/01/2013 08:30	10.0	28.9	-1.0	-1.0	3.0	10.0	28.9	-2.0	-4.0	5.0	10.0	28.8	-4.0	-6.0	6.0	10.0	28.8	-4.0	-5.0	7.0
50	29/01/2013 08:30	8.0	28.9	0.0	1.0	4.0	8.0	28.9	-1.0	0.0	6.0	8.0	28.8	-4.0	-5.0	9.0	8.0	28.8	-5.0	-4.0	8.0
51	07/02/2013 15:00	8.0	28.9	1.0	0.0	5.0	8.0	28.9	0.0	-1.0	6.0	8.0	28.8	-3.0	-5.0	7.0	8.0	28.8	-3.0	-5.0	6.0
52	14/02/2013 08:30	6.0	28.9	0.0	0.0	3.0	6.0	28.9	-2.0	-2.0	4.0	6.0	28.8	-2.0	-5.0	9.0	6.0	28.8	-3.0	-4.0	9.0
53	19/02/2013 15:30	12.0	28.9	0.0	2.0	5.0	12.0	28.9	-1.0	1.0	6.0	12.0	28.8	-3.0	-5.0	8.0	12.0	28.8	-4.0	-5.0	7.0
54	27/02/2013 08:30	6.0	28.9	1.0	0.0	4.0	6.0	28.9	-1.0	-2.0	5.0	6.0	28.8	-2.0	-6.0	5.0	6.0	28.8	-4.0	-5.0	4.0
55	05/03/2013 10:30	12.0	28.9	0.0	2.0	6.0	12.0	28.9	-2.0	1.0	6.0	12.0	28.8	-3.0	-4.0	8.0	12.0	28.8	-3.0	-4.0	7.0
56	12/03/2013 08:30	10.0	28.9	1.0	3.0	5.0	10.0	28.9	-1.0	2.0	6.0	10.0	28.8	-3.0	-6.0	7.0	10.0	28.8	-3.0	-5.0	7.0
57	19/03/2013 16:00	16.0	28.9	1.0	4.0	7.0	16.0	28.9	-1.0	2.0	8.0	16.0	28.8	-2.0	-7.0	8.0	16.0	28.8	-3.0	-7.0	7.0
58	26/03/2013 08:30	13.0	28.9	0.0	1.0	4.0	13.0	28.9	-1.0	-1.0	5.0	13.0	28.8	-2.0	-5.0	5.0	13.0	28.8	-3.0	-4.0	5.0
59	28/03/2013 11:00	15.0	28.9	0.0	3.0	5.0	15.0	28.9	-1.0	1.0	7.0	15.0	28.8	-2.0	-5.0	6.0	15.0	28.8	-3.0	-5.0	5.0
60	03/04/2013 17:30	16.0	28.9	-1.0	2.0	6.0	16.0	28.9	-2.0	0.0	7.0	16.0	28.8	-1.0	-4.0	6.0	16.0	28.8	-2.0	-4.0	6.0
61	10/04/2013 10:30	16.0	28.9	0.0	2.0	6.0	16.0	28.9	0.0	0.0	7.0	16.0	28.8	-2.0	-4.0	8.0	16.0	28.8	-3.0	-5.0	6.0
62	16/04/2013 15:00	23.0	28.9	0.0	6.0	5.0	23.0	28.9	-2.0	3.0	7.0	23.0	28.8	-2.0	-6.0	6.0	23.0	28.8	-2.0	-5.0	4.0
63	23/04/2013 08:30	13.0	28.9	0.0	3.0	8.0	13.0	28.9	-2.0	3.0	7.0	13.0	28.8	-2.0	-5.0	6.0	13.0	28.8	-3.0	-5.0	5.0
64	03/05/2013 14:30	25.0	28.9	0.0	7.0	7.0	25.0	28.9	-1.0	5.0	7.0	25.0	28.8	-1.0	-4.0	7.0	25.0	28.8	-2.0	-4.0	6.0
65	09/05/2013 08:30	18.0	28.9	0.0	3.0	7.0	18.0	28.9	-2.0	2.0	8.0	18.0	28.8	-1.0	-4.0	8.0	18.0	28.8	-2.0	-5.0	7.0
66	15/05/2013 14:30	21.0	28.9	0.0	6.0	6.0	21.0	28.9	-1.0	4.0	6.0	21.0	28.8	-1.0	-7.0	3.0	21.0	28.8	-2.0	-6.0	3.0
67	22/05/2013 08:30	19.0	28.9	0.0	5.0	6.0	19.0	28.9	-1.0	3.0	7.0	19.0	28.8	-1.0	-6.0	6.0	19.0	28.8	-2.0	-6.0	6.0
68	31/05/2013 15:30	18.0	28.9	1.0	3.0	4.0	18.0	28.9	0.0	2.0	5.0	18.0	28.8	-2.0	-5.0	9.0	18.0	28.8	-3.0	-5.0	7.0
69	07/06/2013 08:30	21.0	28.9	0.0	5.0	6.0	21.0	28.9	-1.0	3.0	7.0	21.0	28.8	-2.0	-6.0	7.0	21.0	28.8	-3.0	-6.0	6.0
70	13/06/2013 14:30	28.0	28.9	1.0	7.0	6.0	28.0	28.9	0.0	5.0	7.0	28.0	28.8	-1.0	-4.0	7.0	28.0	28.8	-1.0	-4.0	5.0
71	18/06/2013 09:00	28.0	28.9	-1.0	5.0	7.0	28.0	28.9	-2.0	4.0	8.0	28.0	28.8	-1.0	-6.0	8.0	28.0	28.8	-2.0	-6.0	7.0
72	25/06/2013 18:00	28.0	28.9	0.0	7.0	6.0	28.0	28.9	-1.0	6.0	6.0	28.0	28.8	-1.0	-6.0	7.0	28.0	28.8	-2.0	-5.0	6.0
73	01/07/2013 07:30	22.0	28.9	1.0	7.0	7.0	22.0	28.9	-1.0	6.0	8.0	22.0	28.8	0.0	-6.0	5.0	22.0	28.8	-2.0	-6.0	5.0
74	08/07/2013 17:30	25.0	28.9	1.0	5.0	7.0	25.0	28.9	-1.0	5.0	8.0	25.0	28.8	1.0	-9.0	5.0	25.0	28.8	0.0	-9.0	4.0
75	13/07/2013 07:30	25.0	28.9	0.0	6.0	8.0	25.0	28.9	-1.0	5.0	9.0	25.0	28.8	0.0	-8.0	7.0	25.0	28.8	-2.0	-8.0	5.0
76	18/07/2013 07:30	25.0	28.9	-1.0	7.0	8.0	25.0	28.9	-1.0	5.0	8.0	25.0	28.8	1.0	-7.0	6.0	25.0	28.8	-1.0	-8.0	5.0
77	25/07/2013 18:00	27.0	28.9	0.0	8.0	9.0	27.0	28.9	-1.0	6.0	9.0	27.0	28.8	0.0	-7.0	6.0	27.0	28.8	-1.0	-7.0	5.0
78	31/07/2013 09:00	27.0	28.9	0.0	6.0	9.0	27.0	28.9	-2.0	6.0	9.0	27.0	28.8	1.0	-6.0	8.0	27.0	28.8	-1.0	-6.0	7.0
79	07/08/2013 09:00	29.0	28.9	0.0	7.0	7.0	29.0	28.9	-2.0	6.0	7.0	29.0	28.8	-1.0	-6.0	7.0	29.0	28.8	-2.0	-6.0	5.0
80	13/08/2013 09:00	27.0	28.9	0.0	8.0	6.0	27.0	28.9	-1.0	7.0	6.0	27.0	28.8	-2.0	-6.0	6.0	27.0	28.8	-3.0	-6.0	4.0
81	21/08/2013 07:30	23.0	28.9	0.0	10.0	8.0	23.0	28.9	0.0	8.0	9.0	23.0	28.8	1.0	-7.0	7.0	23.0	28.8	0.0	-7.0	6.0
82	28/08/2013 10:30	25.0	28.9	0.0	10.0	8.0	25.0	28.9	-1.0	7.0	9.0	25.0	28.8	1.0	-8.0	10.0	25.0	28.8	0.0	-9.0	8.0
83	06/09/2013 17:30						29.0	28.9	-1.0	5.0	10.0	29.0	28.8	0.0	-8.0	8.0	29.0	28.8	-1.0	-8.0	5.0
84	13/09/2013 07:30	18.0	28.9	2.0	8.0	8.0	18.0	28.9	0.0	6.0	9.0	18.0	28.8	0.0	-8.0	7.0	18.0	28.8	-1.0	-7.0	5.0
85	21/09/2013 09:30	21.0	28.9	1.0	7.0	7.0	21.0	28.9	-1.0	6.0	8.0	21.0	28.8	0.0	-8.0	8.0	21.0	28.8	-1.0	-7.0	7.0
86	26/09/2013 09:30	18.0	28.9	1.0	9.0	8.0	18.0	28.9	0.0	6.0	9.0	18.0	28.8	0.0	-9.0	8.0	18.0	28.8	-1.0	-8.0	6.0
87	03/10/2013 16:30	20.0	28.9	2.0	8.0	8.0	20.0	28.9	1.0	5.0	8.0	20.0	28.8	0.0	-8.0	7.0	20.0	28.8	-1.0	-8.0	6.0
88	10/10/2013 08:30	16.0	28.9	2.0	10.0	10.0	16.0	28.9	2.0	8.0	10.0	16.0	28.8	0.0	-8.0	7.0	16.0	28.8	-1.0	-8.0	5.0
89	16/10/2013 14:30	23.0	28.9	1.0	9.0	10.0	23.0	28.9	0.0	6.0	10.0	23.0	28.8	-1.0	-8.0	8.0	23.0	28.8	-2.0	-8.0	7.0
90	24/10/2013 08:30	18.0	28.9	1.0	9.0	10.0	18.0	28.9	0.0	6.0	11.0	18.0	28.8	-1.0	-7.0	7.0	18.0	28.8	-2.0	-6.0	6.0
91	31/10/2013 14:30	23.0	28.9	1.0	9.0	11.0	23.0	28.9	0.0	6.0	10.0	23.0	28.8	-1.0	-8.0	8.0	23.0	28.8	-2.0	-8.0	7.0
92	07/11/2013 08:30	11.0	28.9	0.0	9.0	11.0	11.0	28.9	0.0	6.0	10.0	11.0	28.8	-1.0	-8.0	6.0	11.0	28.8	-2.0	-8.0	6.0
93	14/11/2013 14:30	20.0	28.9	0.0	7.0	11.0	20.0	28.9	0.0	8.0	11.0	20.0	28.8	-1.0	-9.0	7.0	20.0	28.8	-2.0	-8.0	6.0
94	25/11/2013 15:30	12.0	28.9	0.0	7.0	10.0	12.0	28.9	1.0	7.0	11.0	12.0	28.8	-1.0	-7.0	7.0	12.0	28.8	-2.0	-7.0	6.0
95	30/11/2013 08:30	7.0	28.9	1.0	8.0	11.0	7.0	28.9	1.0	7.0	10.0	7.0	28.8	-1.0	-7.0	9.0	7.0	28.8	-2.0	-7.0	7.0
96	05/12/2013 08:30	7.0	28.9	2.0	7.0	9.0	7.0	28.9	1.0	6.0	9.0	7.0	28.8	0.0	-8.0	6.0	7.0	28.8	-2.0	-8.0	6.0
97	19/12/2013 13:00	8.0	28.9	2.0	5.0	7.0	8.0	28.9	0.0	5.0	7.0	8.0	28.8	-2.0	-7.0	5.0	8.0	28.8	-4.0	-7.0	4.0
98	27/12/2013 09:00	8.0	28.9	1.0	4.0	5.0	8.0	28.9	-1.0	6.0	8.0	8.0	28.8	-3.0	-7.0	6.0	8.0	28.8	-4.0	-7.0	5.0
99	02/01/2014 07:30	14.0	28.9	0.0	3.0	4.0	14.0	28.9	0.0	6.0	9.0	14.0	28.8	-4.0	-7.0	6.0	14.0	28.8	-5.0	-7.0	4.0
100	08/01/2014 14:30	14.0	28.9	2.0	9.0	11.0	14.0	28.9	2.0	9.0	10.0	14.0	28.8	-1.0	-9.0	10.0	14.0	28.8	-3.0	-9.0	8.0
101	15/01/2014 08:30	11.0	28.9	2.0	8.0	11.0	11.0	28.9	1.0	9.0	11.0	11.0	28.8	-1.0	-9.0	7.0	11.0	28.8	-2.0	-9.0	5.0
102	22/01/2014 14:30	12.0	28.9	2.0	7.0	10.0	12.0	28.9	1.0	8.0	10.0	12.0	28.8	0.0	-10.0	8.0	12.0				



Ubicazione STAZIONE CHIAIA
Opera \ \ Il Ordine di Tiranti \ 21-
Tipo Strumento Mire Ottiche
Data posa in opera 02/08/2011
Data lettura di zero 02/08/2011

GRAFICO QUOTA

UBICAZIONE
STAZIONE CHIAIA \ \ Il Ordine di Tiranti \ 21-24

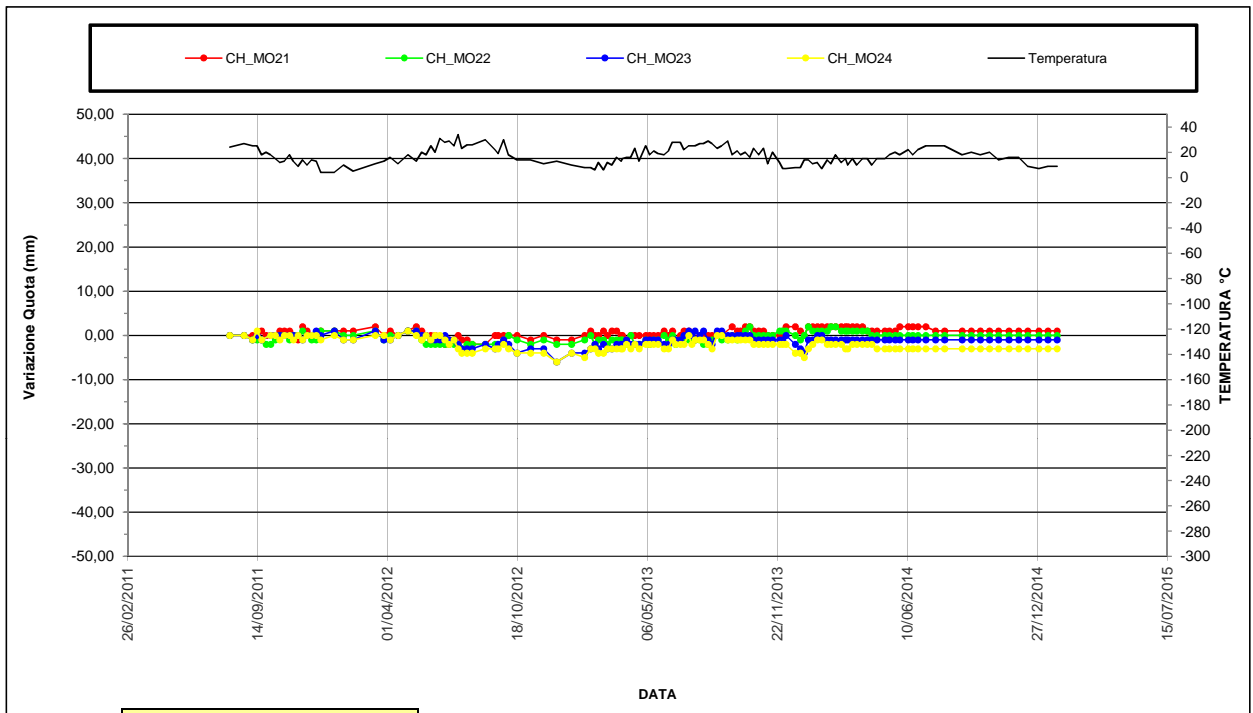
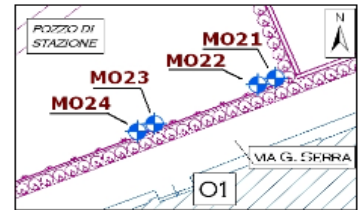
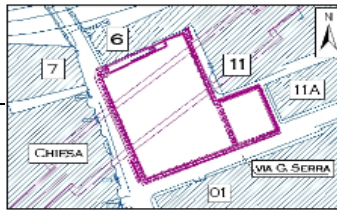
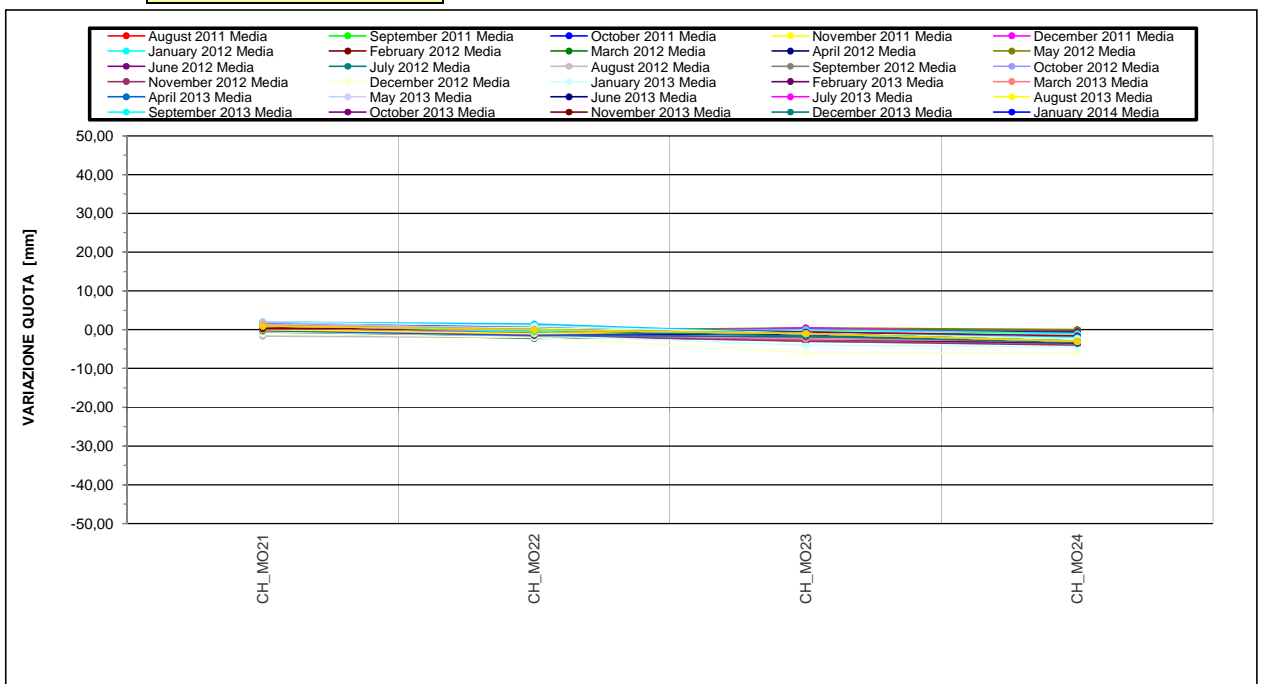


GRAFICO ISOCRONE





Ubicazione STAZIONE CHIAIA
Opera \ \ Il Ordine di Tiranti \ 21-
Tipo Strumento Mire Ottiche
Data posa in opera 02/08/2011
Data lettura di zero 02/08/2011

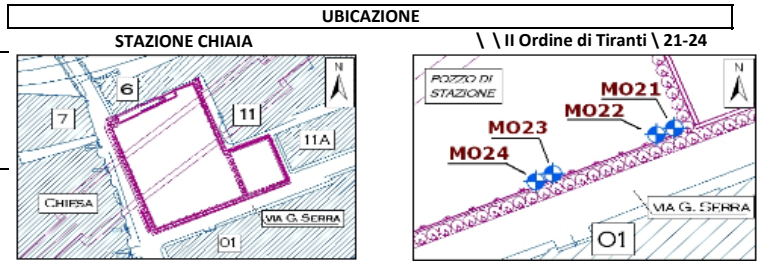


GRAFICO EST

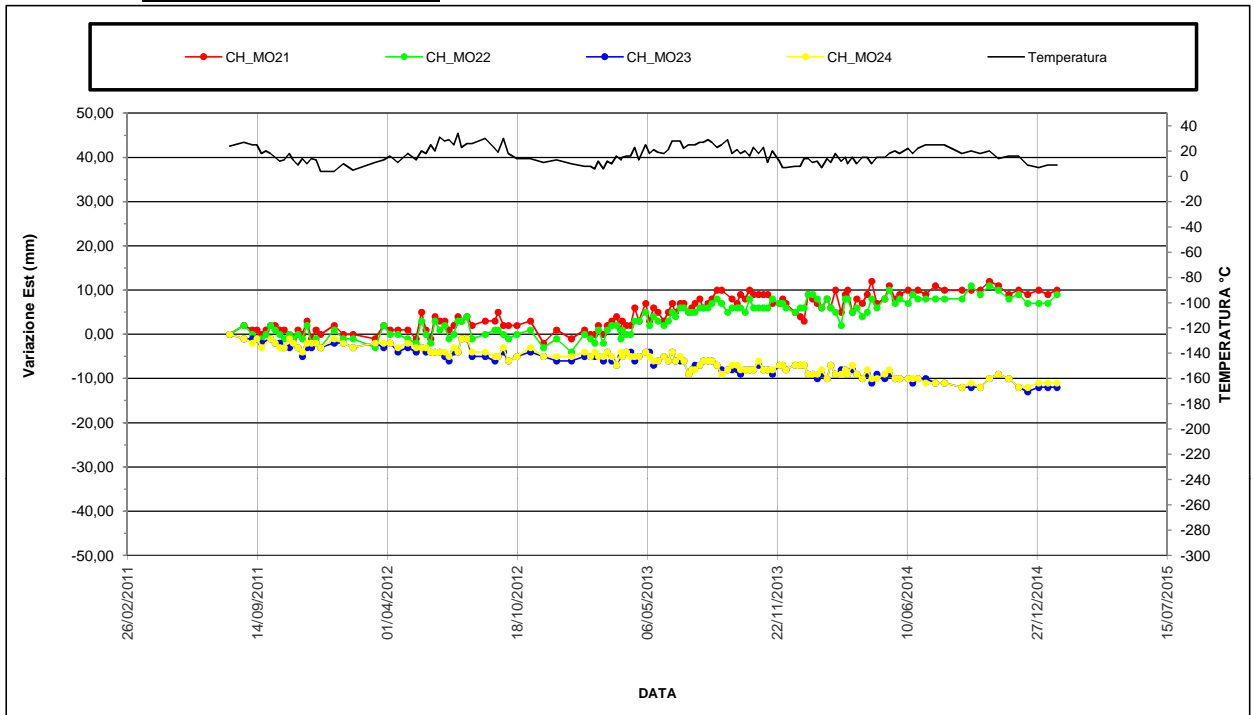
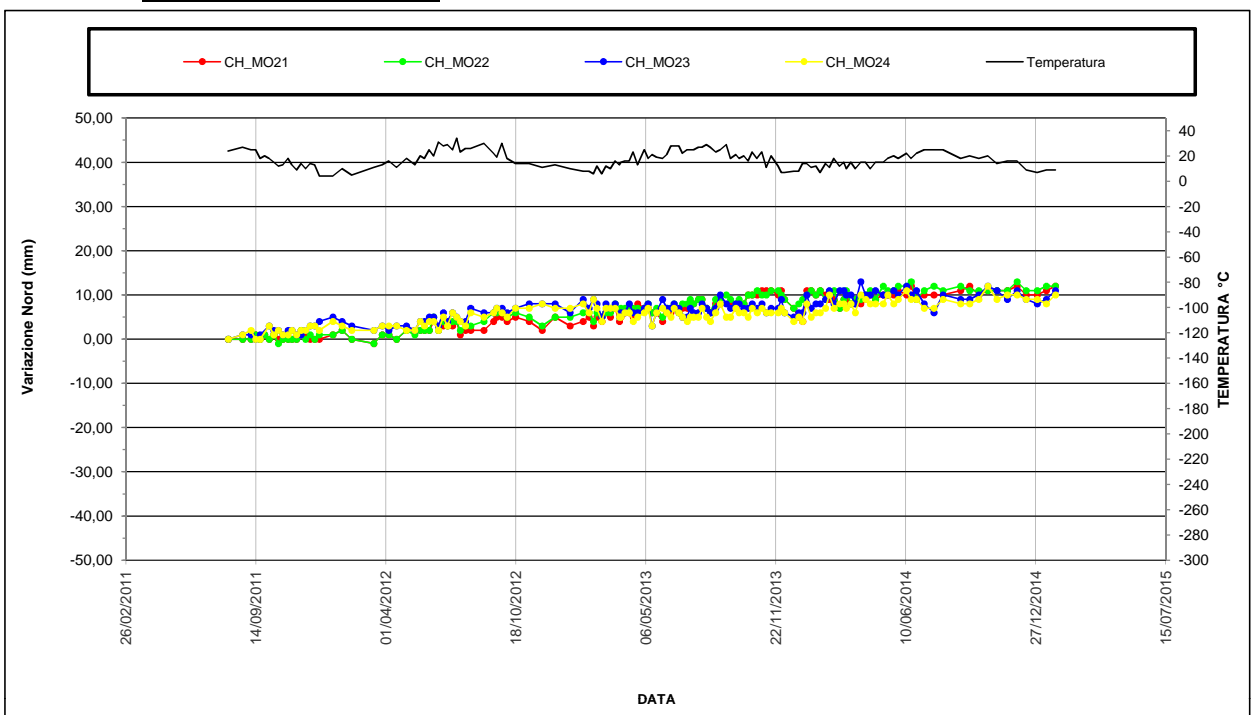


GRAFICO NORD





Ubicazione STAZIONE CHIAIA

Opera \ \ II Ordine di Tiranti \ 25-28

Tipo Strumento Mire Ottiche

Data posa in opera 25/07/2011

Data lettura di zero 25/07/2011

Ultima Misura 138 in data 26/01/2015

Letto n°	DATA	CH_M025					CH_M026					CH_M027					CH_M028					
		Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	
48	07/11/2012 08:30	14.0	29.9	-3.0	-1.0	7.0	14.0	30.0	-2.0	-1.0	7.0	14.0	29.8	-2.0	2.0	3.0	14.0	29.8	-2.0	1.0	2.0	
49	27/11/2012 08:30	11.0	29.9	-2.0	-1.0	8.0	11.0	30.0	-2.0	-2.0	6.0	11.0	29.8	-3.0	1.0	1.0	11.0	29.8	-2.0	1.0	1.0	
50	17/12/2012 08:30	13.0	29.9	-4.0	-2.0	7.0	13.0	30.0	-4.0	-2.0	6.0	13.0	29.8	-4.0	1.0	2.0	13.0	29.8	-4.0	0.0	1.0	
51	09/01/2013 08:30	10.0	29.9	-3.0	-1.0	8.0	10.0	30.0	-3.0	-2.0	5.0	10.0	29.8	-3.0	1.0	1.0	10.0	29.8	-3.0	0.0	1.0	
52	29/01/2013 08:30	8.0	29.9	-3.0	-1.0	8.0	8.0	30.0	-2.0	-3.0	5.0	8.0	29.8	-4.0	0.0	2.0	8.0	29.8	-4.0	1.0	2.0	
53	07/02/2013 15:00	8.0	29.9	-2.0	0.0	6.0	8.0	30.0	-1.0	-1.0	5.0	8.0	29.8	-2.0	0.0	0.0	8.0	29.8	-2.0	1.0	0.0	
54	14/02/2013 08:30	6.0	29.9	-1.0	-1.0	8.0	6.0	30.0	-1.0	0.0	8.0	6.0	29.8	-2.0	1.0	1.0	6.0	29.8	-2.0	2.0	3.0	
55	19/02/2013 15:30	12.0	29.9	-2.0	0.0	8.0	12.0	30.0	-2.0	-1.0	6.0	12.0	29.8	-3.0	1.0	1.0	12.0	29.8	-3.0	1.0	1.0	
56	27/02/2013 08:30	6.0	29.9	-1.0	-2.0	5.0	6.0	30.0	-1.0	-3.0	4.0	6.0	29.8	-2.0	-1.0	0.0	6.0	29.8	-2.0	0.0	0.0	
57	05/03/2013 10:30	12.0	29.9	-2.0	0.0	7.0	12.0	30.0	-2.0	0.0	6.0											
58	12/03/2013 08:30	10.0	29.9	-2.0	-2.0	7.0	10.0	30.0	-1.0	-2.0	5.0											
59	19/03/2013 16:00	16.0	29.9	-1.0	-1.0	7.0	16.0	30.0	0.0	-2.0	5.0											
60	26/03/2013 08:30	13.0	29.9	-3.0	-1.0	4.0	13.0	30.0	-2.0	-1.0	3.0											
61	28/03/2013 11:00	15.0	29.9	-2.0	0.0	6.0	15.0	30.0	-2.0	-1.0	3.0											
62	03/04/2013 17:30	16.0	29.9	-2.0	0.0	5.0	16.0	30.0	-1.0	-1.0	5.0	16.0	29.8	-2.0	2.0	0.0	16.0	29.8	-3.0	3.0	1.0	
63	10/04/2013 10:30	16.0	29.9	-2.0	-2.0	5.0	16.0	30.0	-1.0	-2.0	5.0	16.0	29.8	-3.0	1.0	0.0	16.0	29.8	-3.0	3.0	0.0	
64	16/04/2013 15:00	23.0	29.9	-1.0	-1.0	4.0	23.0	30.0	-1.0	-2.0	3.0	23.0	29.8	-1.0	1.0	-1.0	23.0	29.8	-2.0	2.0	0.0	
65	23/04/2013 08:30	13.0	29.9	-2.0	0.0	5.0	13.0	30.0	-1.0	-1.0	4.0	13.0	29.8	-3.0	2.0	-1.0	13.0	29.8	-3.0	3.0	0.0	
66	03/05/2013 14:30	25.0	29.9	-2.0	-1.0	5.0	25.0	30.0	-1.0	0.0	5.0	25.0	29.8	-2.0	3.0	1.0	25.0	29.8	-2.0	4.0	0.0	
67	09/05/2013 08:30	18.0	29.9	-2.0	0.0	5.0	18.0	30.0	-1.0	-1.0	4.0	18.0	29.8	-2.0	3.0	-1.0	18.0	29.8	-2.0	3.0	0.0	
68	15/05/2013 14:30	21.0	29.9	0.0	-2.0	3.0	21.0	30.0	0.0	-3.0	2.0	21.0	29.8	-1.0	1.0	-1.0	21.0	29.8	-2.0	1.0	-2.0	
69	22/05/2013 08:30	19.0	29.9	-1.0	-2.0	6.0	19.0	30.0	-1.0	-3.0	4.0	19.0	29.8	-2.0	1.0	0.0	19.0	29.8	-2.0	1.0	0.0	
70	31/05/2013 15:30	18.0	29.9	-2.0	0.0	7.0	18.0	30.0	-2.0	-2.0	4.0	18.0	29.8	-3.0	2.0	0.0	18.0	29.8	-3.0	3.0	1.0	
71	07/06/2013 08:30	21.0	29.9	-2.0	-2.0	6.0	21.0	30.0	-2.0	-2.0	4.0	21.0	29.8	-3.0	2.0	0.0	21.0	29.8	-3.0	2.0	1.0	
72	13/06/2013 14:30	28.0	29.9	-1.0	0.0	5.0	28.0	30.0	0.0	-1.0	4.0	28.0	29.8	-2.0	4.0	0.0	28.0	29.8	-2.0	4.0	-1.0	
73	18/06/2013 09:00	28.0	29.9	-2.0	-2.0	6.0	28.0	30.0	0.0	-2.0	5.0	28.0	29.8	-4.0	2.0	0.0	28.0	29.8	-3.0	3.0	1.0	
74	25/06/2013 18:00	28.0	29.9	-2.0	-2.0	6.0	28.0	30.0	-1.0	-3.0	4.0	28.0	29.8	-4.0	2.0	0.0	28.0	29.8	-3.0	3.0	0.0	
75	01/07/2013 07:30	22.0	29.9	-1.0	-3.0	5.0	22.0	30.0	-1.0	-4.0	4.0	22.0	29.8	-3.0	2.0	0.0	22.0	29.8	-3.0	3.0	0.0	
76	08/07/2013 17:30	25.0	29.9	1.0	-5.0	5.0	25.0	30.0	1.0	-6.0	4.0	25.0	29.8	-1.0	0.0	0.0	25.0	29.8	-1.0	1.0	1.0	
77	13/07/2013 07:30	25.0	29.9	-1.0	-3.0	6.0	25.0	30.0	-1.0	-5.0	5.0	25.0	29.8	-4.0	1.0	1.0	25.0	29.8	-3.0	2.0	2.0	
78	18/07/2013 07:30	25.0	29.9	1.0	-3.0	6.0	25.0	30.0	0.0	-5.0	3.0	25.0	29.8	-2.0	3.0	0.0	25.0	29.8	-2.0	3.0	1.0	
79	25/07/2013 18:00	27.0	29.9	0.0	-3.0	7.0	27.0	30.0	-1.0	-4.0	4.0	27.0	29.8	-3.0	2.0	0.0	27.0	29.8	-2.0	2.0	1.0	
80	31/07/2013 09:00	27.0	29.9	0.0	-2.0	6.0	27.0	30.0	1.0	-3.0	5.0	27.0	29.8	-3.0	3.0	1.0	27.0	29.8	-3.0	4.0	0.0	
81	07/08/2013 09:00	29.0	29.9	-1.0	-2.0	5.0	29.0	30.0	0.0	-3.0	4.0	29.0	29.8	-4.0	3.0	1.0	29.0	29.8	-4.0	4.0	0.0	
82	13/08/2013 09:00	27.0	29.9	-2.0	-3.0	4.0	27.0	30.0	-1.0	-4.0	3.0	27.0	29.8	-5.0	2.0	1.0	27.0	29.8	-5.0	3.0	1.0	
83	21/08/2013 07:30	23.0	29.9	-1.0	-4.0	6.0	23.0	30.0	0.0	-3.0	5.0	23.0	29.8	-2.0	3.0	1.0	23.0	29.8	-3.0	2.0	1.0	
84	28/08/2013 10:30	25.0	29.9	1.0	-5.0	9.0	25.0	30.0	1.0	-5.0	7.0	25.0	29.8	-2.0	0.0	3.0	25.0	29.8	-2.0	2.0	3.0	
85	06/09/2013 17:30	29.0	29.9	0.0	-5.0	6.0	29.0	30.0	1.0	-4.0	5.0	29.0	29.8	-3.0	2.0	0.0	29.0	29.8	-3.0	2.0	1.0	
86	13/09/2013 07:30	18.0	29.9	0.0	-3.0	6.0	18.0	30.0	1.0	-4.0	5.0	18.0	29.8	-2.0	3.0	1.0	18.0	29.8	-3.0	3.0	1.0	
87	21/09/2013 09:30	21.0	29.9	-1.0	-4.0	7.0	21.0	30.0	-1.0	-4.0	6.0	21.0	29.8	-3.0	2.0	2.0	21.0	29.8	-3.0	3.0	2.0	
88	26/09/2013 09:30	18.0	29.9	0.0	-4.0	7.0	18.0	30.0	0.0	-5.0	5.0	18.0	29.8	-3.0	1.0	2.0	18.0	29.8	-3.0	1.0	1.0	
89	03/10/2013 16:30	20.0	29.9	-1.0	-4.0	6.0	20.0	30.0	-1.0	-4.0	5.0	20.0	29.8	-3.0	1.0	2.0	20.0	29.8	-3.0	1.0	1.0	
90	10/10/2013 08:30	16.0	29.9	-1.0	-4.0	6.0	16.0	30.0	0.0	-4.0	6.0	16.0	29.8	-3.0	2.0	2.0	16.0	29.8	-3.0	1.0	0.0	
91	16/10/2013 14:30	23.0	29.9	-1.0	-4.0	8.0	23.0	30.0	0.0	-5.0	6.0	23.0	29.8	-3.0	2.0	2.0	23.0	29.8	-4.0	1.0	2.0	
92	24/10/2013 08:30	18.0	29.9	-1.0	-2.0	6.0	18.0	30.0	-1.0	-3.0	6.0	18.0	29.8	-3.0	4.0	2.0	18.0	29.8	-4.0	3.0	1.0	
93	31/10/2013 14:30	23.0	29.9	-1.0	-4.0	7.0	23.0	30.0	-1.0	-4.0	5.0	23.0	29.8	-3.0	1.0	2.0	23.0	29.8	-4.0	1.0	2.0	
94	07/11/2013 08:30	11.0	29.9	-1.0	-3.0	6.0	11.0	30.0	-1.0	-5.0	5.0	11.0	29.8	-4.0	1.0	0.0	11.0	29.8	-4.0	2.0	0.0	
95	14/11/2013 14:30	20.0	29.9	-1.0	-4.0	7.0	20.0	30.0	0.0	-5.0	6.0	20.0	29.8	-3.0	1.0	2.0	20.0	29.8	-4.0	1.0	1.0	
96	25/11/2013 15:30	12.0	29.9	-1.0	-2.0	6.0	12.0	30.0	0.0	-2.0	6.0	12.0	29.8	-3.0	2.0	0.0	12.0	29.8	-4.0	3.0	1.0	
97	30/11/2013 08:30	7.0	29.9	-1.0	-3.0	7.0	7.0	30.0	0.0	-3.0	6.0	7.0	29.8	-3.0	2.0	2.0	7.0	29.8	-3.0	3.0	2.0	
98	05/12/2013 08:30	7.0	29.9	-1.0	-3.0	7.0	7.0	30.0	1.0	-4.0	5.0	7.0	29.8	-3.0	1.0	2.0	7.0	29.8	-3.0	1.0	1.0	
99	19/12/2013 13:00	8.0	29.9	-2.0	-4.0	5.0	8.0	30.0	-1.0	-5.0	4.0	8.0	29.8	-5.0	0.0	1.0	8.0	29.8	-4.0	1.0	2.0	
100	27/12/2013 09:00	8.0	29.9	-3.0	-4.0	5.0	8.0	30.0	-1.0	-5.0	5.0	8.0	29.8	-8.0	-1.0	3.0	8.0	29.8	-5.0	0.0	3.0	
101	02/01/2014 07:30	14.0	29.9	-4.0	-4.0	5.0	14.0	30.0	-2.0	-5.0	4.0	14.0	29.8	-7.0	0.0	2.0	14.0	29.8	-6.0	1.0	2.0	
102	08/01/2014 14:30	14.0	29.9	-2.0	-4.0	8.0	14.0	30.0	-2.0	-5.0	6.0	14.0	29.8	-4.0	1.0	2.0	14.0	29.8	-4.0	1.0	2.0	
103	15/01/2014 08:30	11.0	29.9	-1.0	-5.0	6.0	11.0	30.0	0.0	-5.0	6.0	11.0	29.8	-3.0	0.0	0.0	11.0	29.8	-4.0	1.0	1.0	
104	22/01/2014 14:30	12.0	29.9	0.0	-5.0	7.0	12.0	30.0	0.0	-6.0	5.0	12.										



Ubicazione STAZIONE CHIAIA
Opera \ \ Il Ordine di Tiranti \ 25-
Tipo Strumento Mire Ottiche
Data posa in opera 25/07/2011
Data lettura di zero 25/07/2011

UBICAZIONE
STAZIONE CHIAIA \ \ Il Ordine di Tiranti \ 25-28

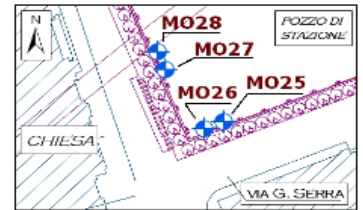
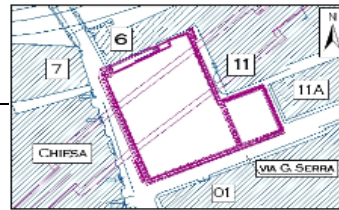


GRAFICO QUOTA

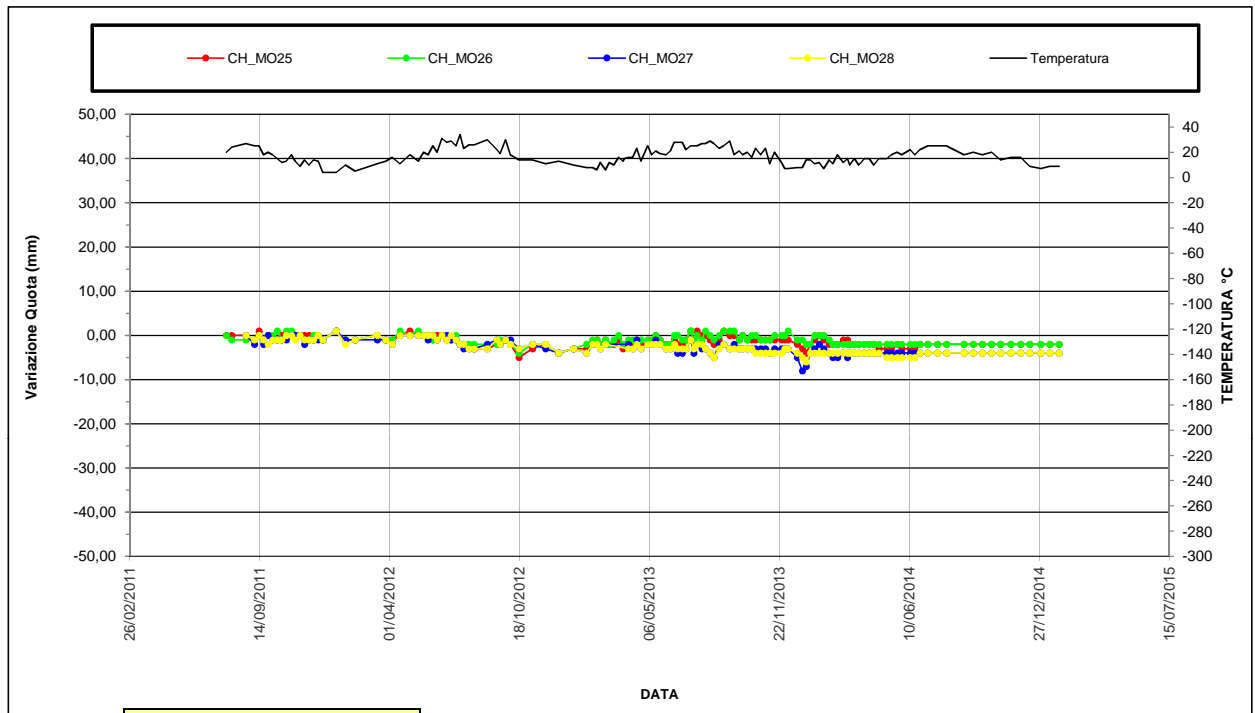
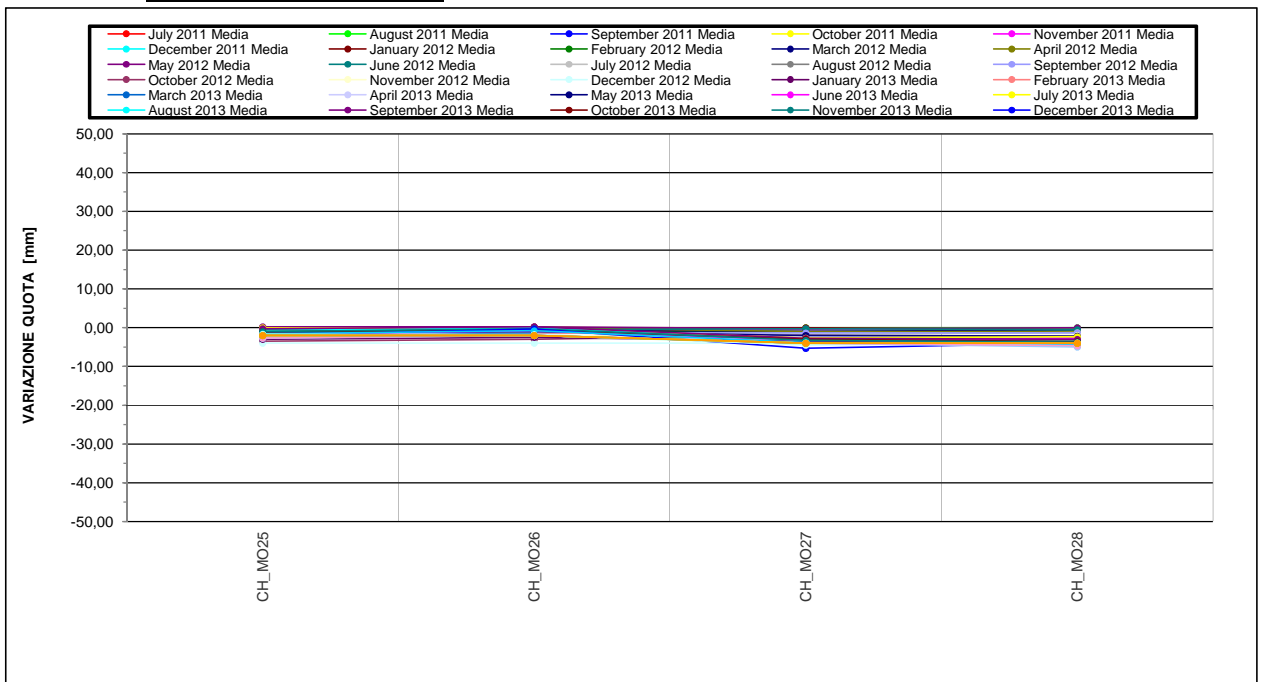


GRAFICO ISOCRONE





Ubicazione STAZIONE CHIAIA
Opera \ \ Il Ordine di Tiranti \ 25-
Tipo Strumento Mire Ottiche
Data posa in opera 25/07/2011
Data lettura di zero 25/07/2011

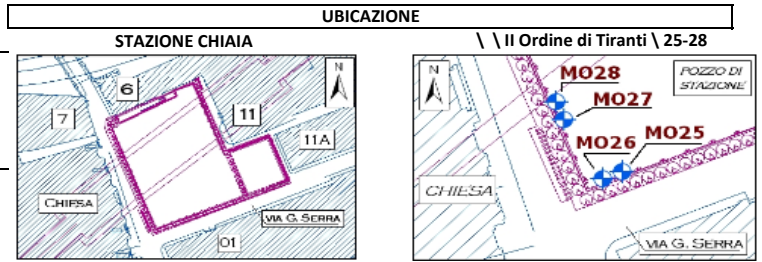


GRAFICO EST

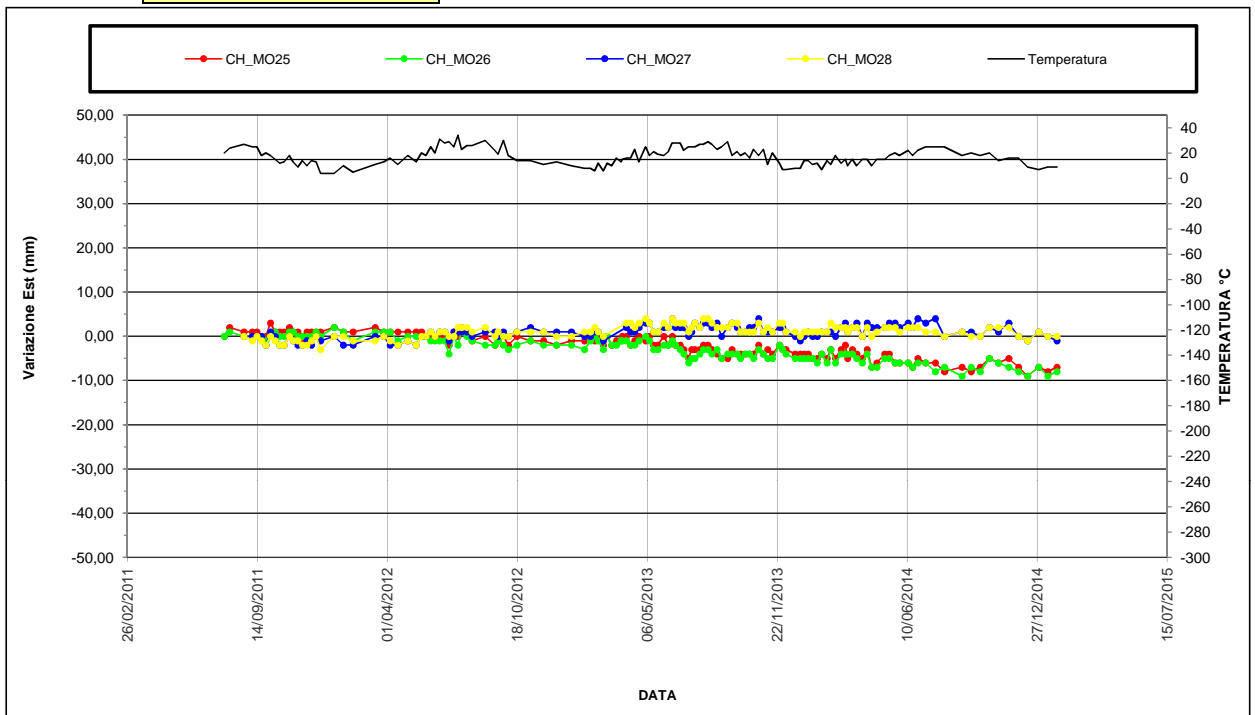
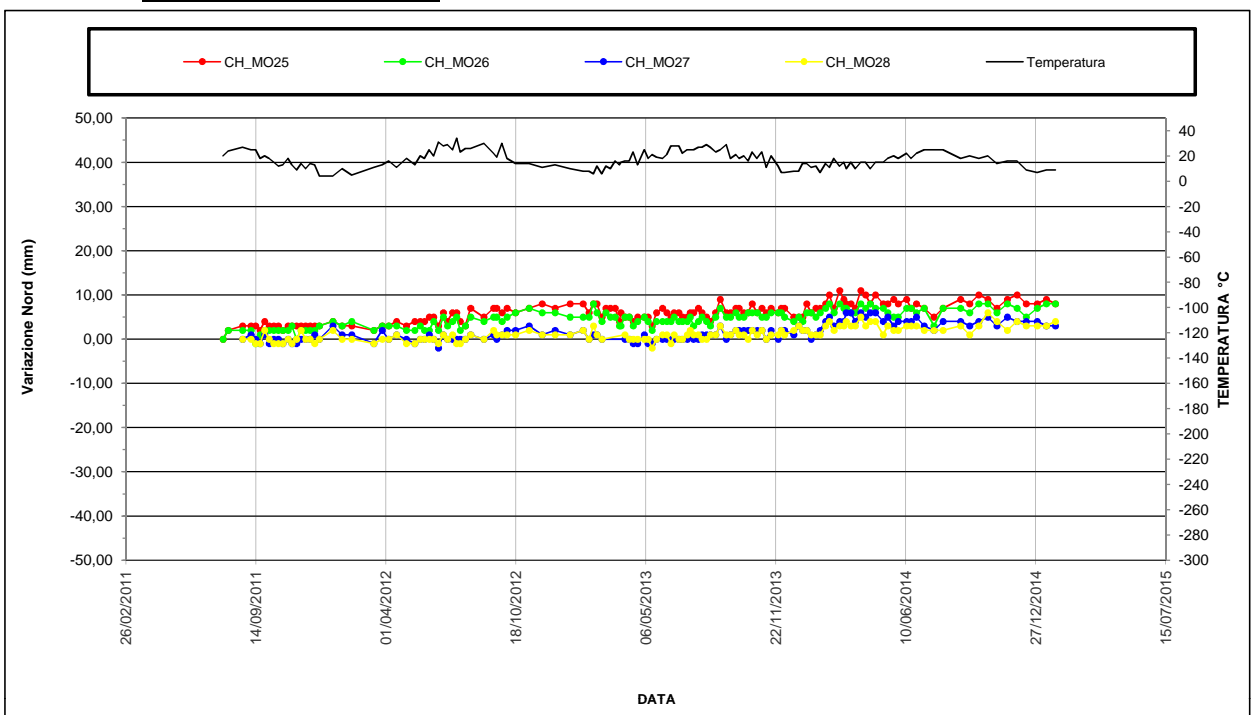


GRAFICO NORD





Ubicazione STAZIONE CHIAIA

Opera \ \ Il Ordine di Tiranti \ 29-32

Tipo Strumento Mire Ottiche

Data posa in opera 24/08/2011

Data lettura di zero 24/08/2011

Ultima Misura 136 in data 26/01/2015

Letto. n°	DATA	CH_M029					CH_M030					CH_M031					CH_M032				
		Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]
46	07/11/2012 08:30	14.0	30.0	-1.0	3.0	3.0	14.0	30.0	-2.0	2.0	2.0	14.0	27.9	2.0	4.0	2.0	14.0	28.0	1.0	2.0	1.0
47	27/11/2012 08:30	11.0	30.0	-2.0	2.0	2.0	11.0	30.0	-1.0	1.0	2.0	11.0	27.9	2.0	2.0	1.0	11.0	28.0	1.0	1.0	0.0
48	17/12/2012 08:30	13.0	30.0	-3.0	1.0	1.0	13.0	30.0	-3.0	0.0	1.0	13.0	27.9	0.0	1.0	0.0	13.0	28.0	-1.0	1.0	1.0
49	09/01/2013 08:30	10.0	30.0	-2.0	1.0	1.0	10.0	30.0	-1.0	1.0	1.0	10.0	27.9	0.0	1.0	1.0	10.0	28.0	0.0	0.0	0.0
50	29/01/2013 08:30	8.0	30.0	-3.0	2.0	2.0	8.0	30.0	-3.0	0.0	2.0	8.0	27.9	1.0	2.0	2.0	8.0	28.0	-1.0	1.0	1.0
51	07/02/2013 15:00	8.0	30.0	-1.0	2.0	1.0	8.0	30.0	-1.0	2.0	1.0	8.0	27.9	1.0	2.0	-1.0	8.0	28.0	0.0	1.0	-1.0
52	14/02/2013 08:30	6.0	30.0	-2.0	2.0	2.0	6.0	30.0	-2.0	2.0	2.0	6.0	27.9	1.0	2.0	1.0	6.0	28.0	1.0	3.0	1.0
53	19/02/2013 15:30	12.0	30.0	-2.0	3.0	2.0	12.0	30.0	-2.0	4.0	3.0	12.0	27.9	0.0	3.0	1.0	12.0	28.0	-1.0	2.0	1.0
54	27/02/2013 08:30	6.0	30.0	-2.0	2.0	1.0	6.0	30.0	-1.0	1.0	2.0	6.0	27.9	1.0	2.0	1.0	6.0	28.0	1.0	3.0	0.0
55	05/03/2013 10:30	12.0	30.0	-2.0	4.0	2.0	12.0	30.0	-2.0	3.0	1.0	12.0	27.9	1.0	2.0	-1.0	12.0	28.0	0.0	2.0	-1.0
56	12/03/2013 08:30	10.0	30.0	-2.0	2.0	2.0	10.0	30.0	-2.0	2.0	2.0	10.0	27.9	1.0	3.0	1.0	10.0	28.0	0.0	1.0	0.0
57	19/03/2013 16:00	16.0	30.0	-2.0	2.0	1.0	16.0	30.0	-2.0	2.0	2.0	16.0	27.9	2.0	3.0	1.0	16.0	28.0	0.0	1.0	0.0
58	26/03/2013 08:30	13.0	30.0	-3.0	4.0	0.0	13.0	30.0	-2.0	3.0	0.0	13.0	27.9	0.0	4.0	-2.0	13.0	28.0	-1.0	3.0	-2.0
59	28/03/2013 11:00	15.0	30.0	-3.0	4.0	0.0	15.0	30.0	-3.0	4.0	0.0	15.0	27.9	0.0	4.0	-1.0	15.0	28.0	-1.0	2.0	-2.0
60	03/04/2013 17:30	16.0	30.0	-2.0	5.0	1.0	16.0	30.0	-2.0	4.0	1.0	16.0	27.9	1.0	3.0	0.0	16.0	28.0	1.0	2.0	-1.0
61	10/04/2013 10:30	16.0	30.0	-2.0	4.0	2.0	16.0	30.0	-2.0	5.0	3.0	16.0	27.9	1.0	3.0	1.0	16.0	28.0	0.0	3.0	0.0
62	16/04/2013 15:00	23.0	30.0	-2.0	3.0	0.0	23.0	30.0	-1.0	3.0	1.0	23.0	27.9	2.0	3.0	0.0	23.0	28.0	0.0	3.0	-1.0
63	23/04/2013 08:30	13.0	30.0	-3.0	4.0	1.0	13.0	30.0	-2.0	3.0	1.0	13.0	27.9	0.0	3.0	-1.0	13.0	28.0	-1.0	3.0	-1.0
64	03/05/2013 14:30	25.0	30.0	-1.0	4.0	1.0	25.0	30.0	-1.0	4.0	1.0	25.0	27.9	2.0	5.0	0.0	25.0	28.0	0.0	4.0	0.0
65	09/05/2013 08:30	18.0	30.0	-1.0	5.0	1.0	18.0	30.0	-2.0	4.0	2.0	18.0	27.9	2.0	4.0	1.0	18.0	28.0	0.0	3.0	0.0
66	15/05/2013 14:30	21.0	30.0	-1.0	4.0	-1.0	21.0	30.0	-1.0	2.0	-1.0	21.0	27.9	2.0	5.0	0.0	21.0	28.0	1.0	2.0	-1.0
67	22/05/2013 08:30	19.0	30.0	-1.0	4.0	1.0	19.0	30.0	-1.0	3.0	1.0	19.0	27.9	1.0	3.0	1.0	19.0	28.0	1.0	2.0	0.0
68	31/05/2013 15:30	18.0	30.0	-3.0	4.0	2.0	18.0	30.0	-2.0	4.0	3.0	18.0	27.9	0.0	2.0	1.0	18.0	28.0	0.0	2.0	0.0
69	07/06/2013 08:30	21.0	30.0	-4.0	5.0	1.0	21.0	30.0	-2.0	4.0	3.0	21.0	27.9	1.0	4.0	1.0	21.0	28.0	-1.0	3.0	1.0
70	13/06/2013 14:30	28.0	30.0	-1.0	5.0	0.0	28.0	30.0	-1.0	5.0	1.0	28.0	27.9	2.0	4.0	-1.0	28.0	28.0	1.0	4.0	-1.0
71	18/06/2013 09:00	28.0	30.0	-2.0	4.0	0.0	28.0	30.0	-2.0	3.0	3.0	28.0	27.9	1.0	3.0	1.0	28.0	28.0	0.0	2.0	1.0
72	25/06/2013 18:00	28.0	30.0	-3.0	3.0	1.0	28.0	30.0	-2.0	5.0	2.0	28.0	27.9	1.0	4.0	1.0	28.0	28.0	-1.0	3.0	0.0
73	01/07/2013 07:30	22.0	30.0	-2.0	5.0	2.0	22.0	30.0	-2.0	4.0	2.0	22.0	27.9	1.0	5.0	0.0	22.0	28.0	0.0	4.0	0.0
74	08/07/2013 17:30	25.0	30.0	-2.0	3.0	1.0	25.0	30.0	-1.0	2.0	2.0	25.0	27.9	2.0	4.0	1.0	25.0	28.0	0.0	1.0	0.0
75	13/07/2013 07:30	25.0	30.0	-3.0	4.0	2.0	25.0	30.0	-2.0	4.0	3.0	25.0	27.9	1.0	4.0	1.0	25.0	28.0	0.0	4.0	1.0
76	18/07/2013 07:30	25.0	30.0	-1.0	4.0	1.0	25.0	30.0	-1.0	3.0	2.0	25.0	27.9	2.0	4.0	1.0	25.0	28.0	1.0	3.0	0.0
77	25/07/2013 18:00	27.0	30.0	-3.0	5.0	2.0	27.0	30.0	-2.0	4.0	2.0	27.0	27.9	1.0	4.0	1.0	27.0	28.0	0.0	3.0	0.0
78	31/07/2013 09:00	27.0	30.0	-3.0	6.0	1.0	27.0	30.0	-1.0	5.0	2.0	27.0	27.9	1.0	4.0	1.0	27.0	28.0	0.0	3.0	-1.0
79	07/08/2013 09:00	29.0	30.0	-4.0	5.0	1.0	29.0	30.0	-2.0	5.0	2.0	29.0	27.9	0.0	3.0	1.0	29.0	28.0	-1.0	2.0	-2.0
80	13/08/2013 09:00	27.0	30.0	-5.0	4.0	2.0	27.0	30.0	-3.0	4.0	3.0	27.0	27.9	-1.0	2.0	2.0	27.0	28.0	-2.0	0.0	-1.0
81	21/08/2013 07:30	23.0	30.0	-2.0	5.0	2.0	23.0	30.0	-2.0	5.0	3.0	23.0	27.9	2.0	6.0	1.0	23.0	28.0	0.0	4.0	1.0
82	28/08/2013 10:30	25.0	30.0	-1.0	3.0	4.0	25.0	30.0	0.0	3.0	5.0	25.0	27.9	2.0	3.0	3.0	25.0	28.0	1.0	2.0	2.0
83	06/09/2013 17:30	29.0	30.0	-2.0	3.0	1.0	29.0	30.0	-1.0	3.0	3.0	29.0	27.9	2.0	4.0	1.0	29.0	28.0	1.0	1.0	0.0
84	13/09/2013 07:30	18.0	30.0	-2.0	5.0	1.0	18.0	30.0	-2.0	5.0	3.0	18.0	27.9	1.0	4.0	1.0	18.0	28.0	0.0	4.0	0.0
85	21/09/2013 09:30	21.0	30.0	-3.0	5.0	3.0	21.0	30.0	-3.0	4.0	3.0	21.0	27.9	0.0	3.0	2.0	21.0	28.0	0.0	4.0	1.0
86	26/09/2013 09:30	18.0	30.0	-3.0	3.0	2.0	18.0	30.0	-3.0	3.0	2.0	18.0	27.9	1.0	4.0	1.0	18.0	28.0	0.0	2.0	1.0
87	03/10/2013 16:30	20.0	30.0	-3.0	3.0	2.0	20.0	30.0	-2.0	3.0	3.0	20.0	27.9	1.0	3.0	2.0	20.0	28.0	0.0	2.0	1.0
88	10/10/2013 08:30	16.0	30.0	-3.0	4.0	2.0	16.0	30.0	-2.0	4.0	3.0	16.0	27.9	1.0	3.0	1.0	16.0	28.0	0.0	3.0	0.0
89	16/10/2013 14:30	23.0	30.0	-4.0	3.0	2.0	23.0	30.0	-3.0	4.0	3.0	23.0	27.9	0.0	3.0	1.0	23.0	28.0	-1.0	2.0	1.0
90	24/10/2013 08:30	18.0	30.0	-4.0	5.0	1.0	18.0	30.0	-3.0	5.0	2.0	18.0	27.9	0.0	5.0	1.0	18.0	28.0	-1.0	4.0	1.0
91	31/10/2013 14:30	23.0	30.0	-4.0	4.0	3.0	23.0	30.0	-3.0	3.0	4.0	23.0	27.9	0.0	3.0	2.0	23.0	28.0	-1.0	2.0	1.0
92	07/11/2013 08:30	11.0	30.0	-4.0	5.0	2.0	11.0	30.0	-3.0	4.0	3.0	11.0	27.9	0.0	3.0	1.0	11.0	28.0	-1.0	4.0	0.0
93	14/11/2013 14:30	20.0	30.0	-3.0	3.0	2.0	20.0	30.0	-3.0	3.0	3.0	20.0	27.9	1.0	4.0	1.0	20.0	28.0	-1.0	2.0	0.0
94	25/11/2013 15:30	12.0	30.0	-3.0	5.0	2.0	12.0	30.0	-3.0	4.0	1.0	12.0	27.9	1.0	4.0	1.0	12.0	28.0	-1.0	3.0	-1.0
95	30/11/2013 08:30	7.0	30.0	-3.0	5.0	3.0	7.0	30.0	-3.0	5.0	3.0	7.0	27.9	1.0	4.0	2.0	7.0	28.0	-1.0	4.0	0.0
96	05/12/2013 08:30	7.0	30.0	-3.0	4.0	2.0	7.0	30.0	-3.0	4.0	3.0	7.0	27.9	1.0	5.0	1.0	7.0	28.0	-1.0	3.0	0.0
97	19/12/2013 13:00	8.0	30.0	-5.0	3.0	3.0	8.0	30.0	-4.0	3.0	3.0	8.0	27.9	-1.0	3.0	2.0	8.0	28.0	-2.0	2.0	1.0
98	27/12/2013 09:00	8.0	30.0	-6.0	2.0	4.0	8.0	30.0	-5.0	2.0	4.0	8.0	27.9	-2.0	1.0	4.0	8.0	28.0	-3.0	1.0	3.0
99	02/01/2014 07:30	14.0	30.0	-6.0	3.0	3.0	14.0	30.0	-6.0	2.0	4.0	14.0	27.9	-3.0	0.0	3.0	14.0	28.0	-4.0	1.0	2.0
100	08/01/2014 14:30	14.0	30.0	-4.0	2.0	2.0	14.0	30.0	-4.0	2.0	4.0	14.0	27.9	-1.0	1.0	2.0	14.0	28.0	-2.0	1.0	2.0
101	15/01/2014 08:30	11.0	30.0	-3.0	3.0	2.0	11.0	30.0	-3.0	3.0	3.0	11.0	27.9	0.0	3.0	1.0	11.0	28.0	-1.0	0.0	0.0
102	22/01/2014 14:30	12.0	30.0	-3.0	1.0	1.0	12.0	30.0	-3.0	3.0	3.0	12.0									



Ubicazione STAZIONE CHIAIA
Opera \ \ Il Ordine di Tiranti \ 29-
Tipo Strumento Mire Ottiche
Data posa in opera 24/08/2011
Data lettura di zero 24/08/2011

GRAFICO QUOTA

UBICAZIONE
STAZIONE CHIAIA \ \ Il Ordine di Tiranti \ 29-32

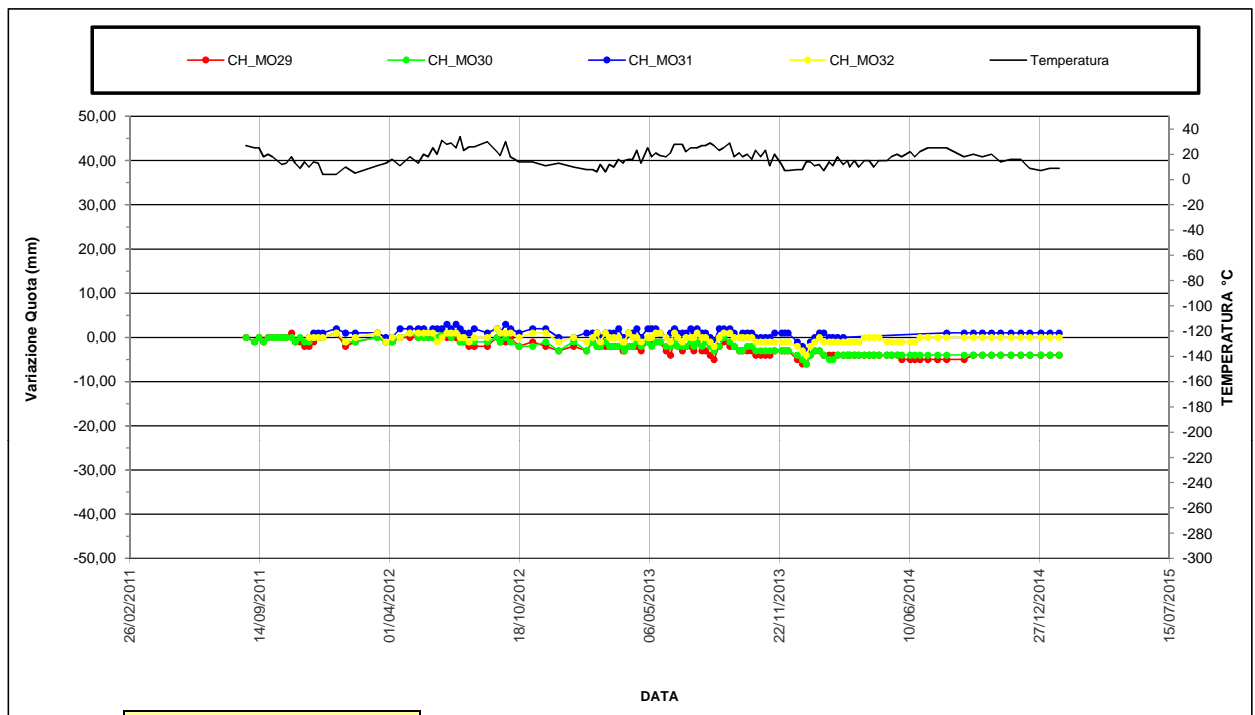
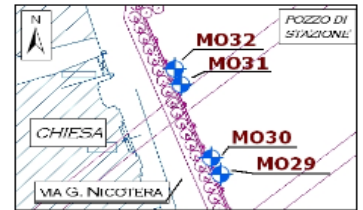
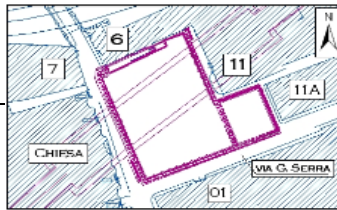
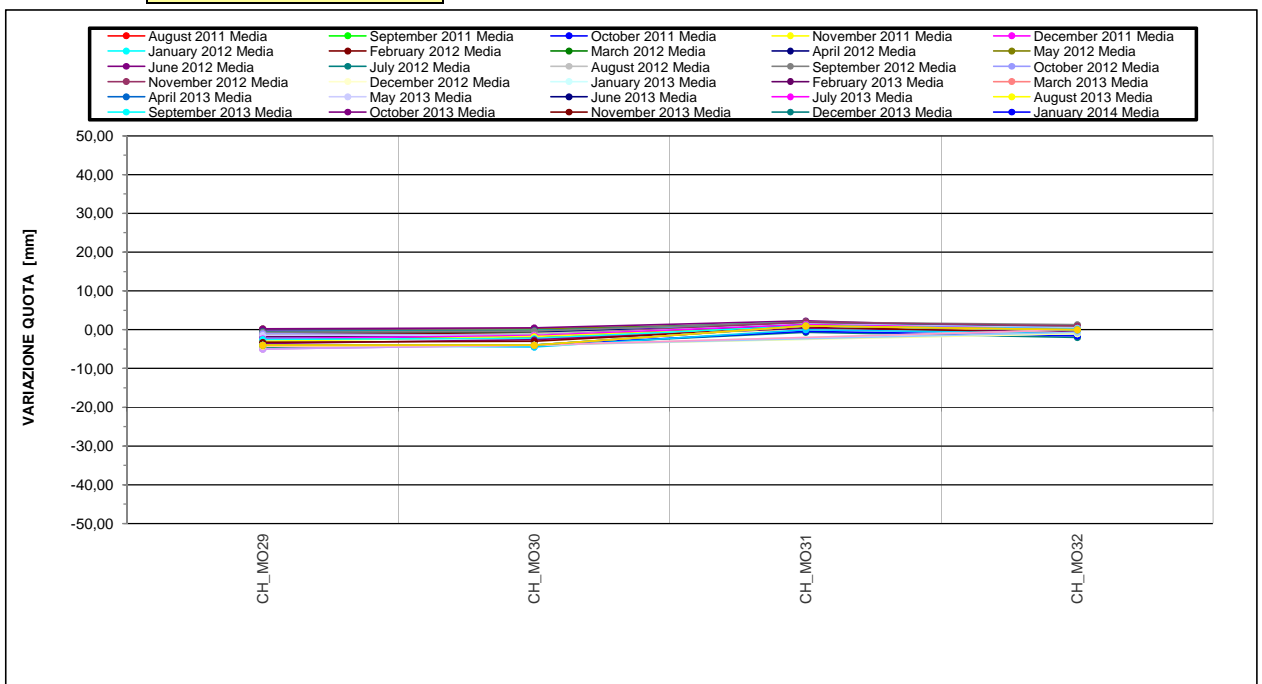


GRAFICO ISOCRONE



Ubicazione STAZIONE CHIAIA
Opera \ \ Il Ordine di Tiranti \ 29-
Tipo Strumento Mire Ottiche
Data posa in opera 24/08/2011
Data lettura di zero 24/08/2011

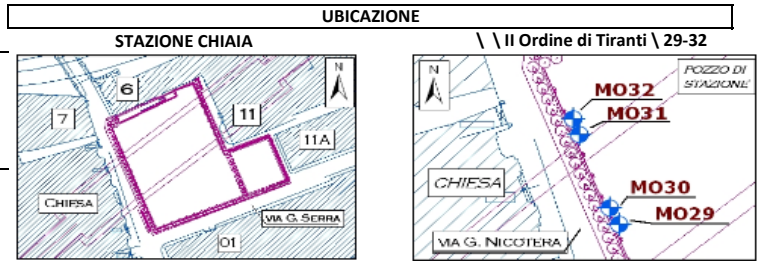


GRAFICO EST

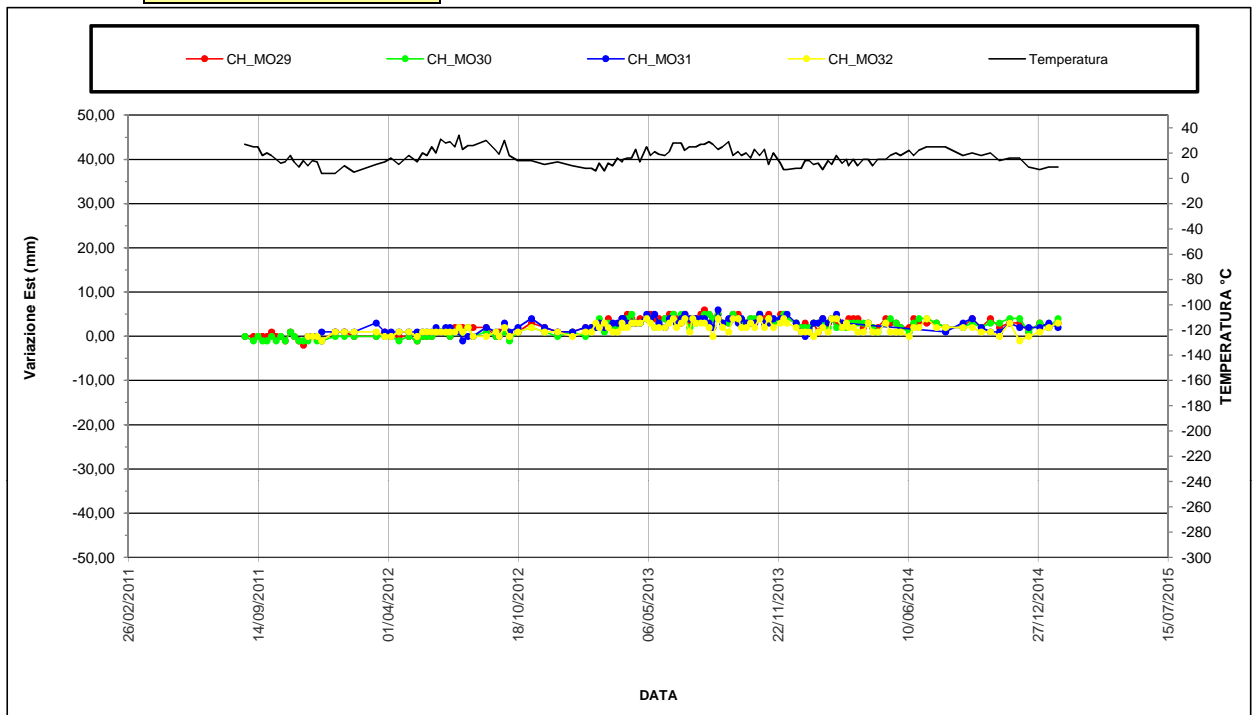
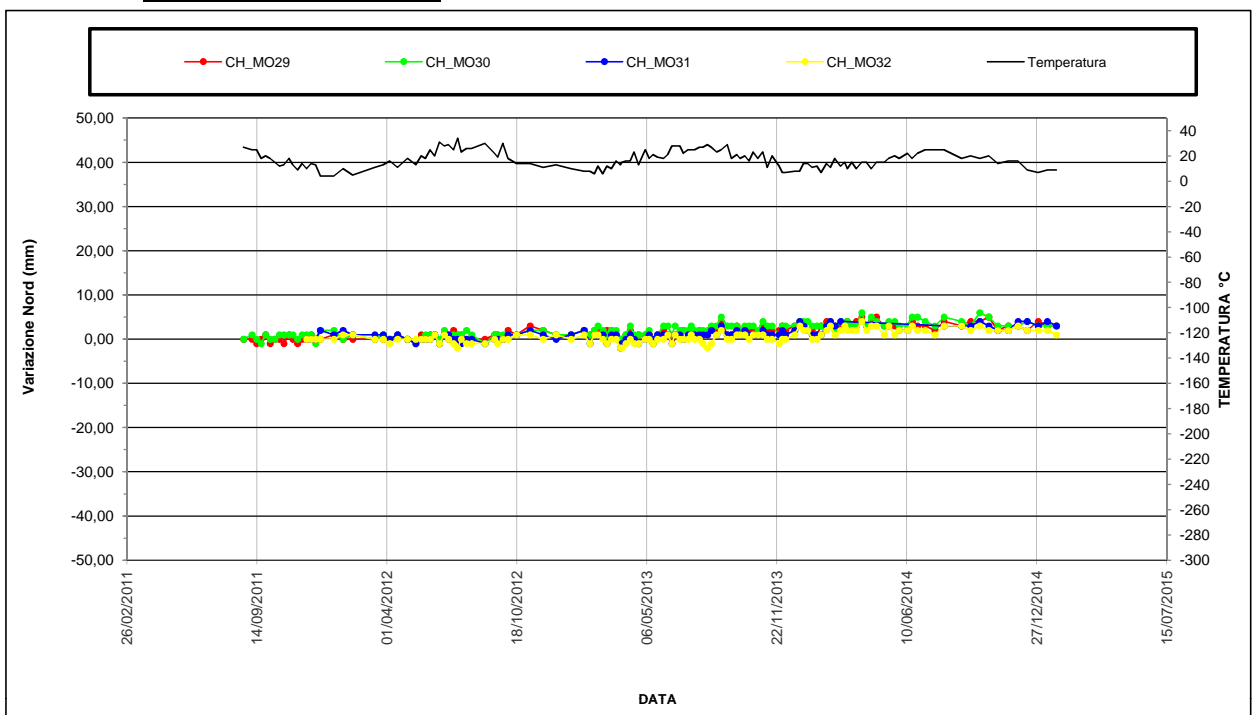


GRAFICO NORD





Ubicazione STAZIONE CHIAIA

Opera \ \ Supplementari \ 45-47

Tipo Strumento Mire Ottiche

Data posa in opera 28/03/2013

Data lettura di zero 28/03/2013

Ultima Misura 78 in data 26/01/2015

Lett. n°	DATA	CH_M045					CH_M046					CH_M047				
		Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]
1	28/03/2013 11:00	15,0	14,8	0,0	0,0	0,0	15,0	15,1	0,0	0,0	0,0	15,0	15,3	0,0	0,0	0,0
2	03/04/2013 17:30	16,0	14,8	1,0	0,0	-1,0	16,0	15,1	0,0	-1,0	0,0	16,0	15,3	-1,0	-1,0	0,0
3	10/04/2013 10:30	16,0	14,8	1,0	2,0	2,0	16,0	15,1	0,0	0,0	2,0	16,0	15,3	-1,0	-1,0	2,0
4	16/04/2013 15:00	23,0	14,8	1,0	0,0	0,0	23,0	15,1	-1,0	0,0	0,0	23,0	15,3	0,0	0,0	1,0
5	23/04/2013 08:30	13,0	14,8	0,0	-2,0	2,0	13,0	15,1	0,0	-1,0	2,0	13,0	15,3	0,0	0,0	2,0
6	03/05/2013 14:30	25,0	14,8	2,0	0,0	1,0	25,0	15,1	0,0	1,0	0,0	25,0	15,3	-1,0	1,0	2,0
7	09/05/2013 08:30	18,0	14,8	2,0	-1,0	2,0	18,0	15,1	0,0	0,0	1,0	18,0	15,3	0,0	-1,0	3,0
8	15/05/2013 14:30	21,0	14,8	1,0	0,0	0,0	21,0	15,1	0,0	1,0	0,0	21,0	15,3	0,0	2,0	2,0
9	22/05/2013 08:30	19,0	14,8	1,0	0,0	0,0	19,0	15,1	0,0	1,0	0,0	19,0	15,3	0,0	1,0	2,0
10	31/05/2013 15:30	18,0	14,8	1,0	1,0	0,0	18,0	15,1	0,0	0,0	0,0	18,0	15,3	0,0	1,0	1,0
11	07/06/2013 08:30	21,0	14,8	2,0	0,0	-1,0	21,0	15,1	-1,0	1,0	1,0	21,0	15,3	-1,0	2,0	1,0
12	13/06/2013 14:30	28,0	14,8	3,0	3,0	0,0	28,0	15,1	1,0	3,0	-1,0	28,0	15,3	0,0	3,0	1,0
13	18/06/2013 09:00	28,0	14,8	2,0	0,0	1,0	28,0	15,1	0,0	1,0	1,0	28,0	15,3	-1,0	1,0	2,0
14	25/06/2013 18:00	28,0	14,8	2,0	1,0	1,0	28,0	15,1	0,0	1,0	0,0	28,0	15,3	-1,0	1,0	1,0
15	01/07/2013 07:30	22,0	14,8	1,0	0,0	0,0	22,0	15,1	-1,0	1,0	0,0	22,0	15,3	-1,0	1,0	2,0
16	08/07/2013 17:30	25,0	14,8	2,0	2,0	2,0	25,0	15,1	-2,0	2,0	1,0	25,0	15,3	-1,0	2,0	2,0
17	13/07/2013 07:30	25,0	14,8	1,0	1,0	1,0	25,0	15,1	0,0	0,0	0,0	25,0	15,3	-1,0	1,0	3,0
18	18/07/2013 07:30	25,0	14,8	1,0	1,0	1,0	25,0	15,1	-2,0	2,0	1,0	25,0	15,3	-2,0	3,0	3,0
19	25/07/2013 18:00	27,0	14,8	1,0	1,0	1,0	27,0	15,1	-1,0	2,0	1,0	27,0	15,3	-2,0	3,0	3,0
20	31/07/2013 09:00	27,0	14,8	1,0	0,0	1,0	27,0	15,1	-1,0	1,0	1,0	27,0	15,3	-2,0	1,0	4,0
21	07/08/2013 09:00	29,0	14,8	0,0	2,0	2,0	29,0	15,1	-2,0	2,0	1,0	29,0	15,2	-4,0	2,0	3,0
22	13/08/2013 09:00	27,0	14,8	-1,0	3,0	3,0	27,0	15,1	-3,0	2,0	0,0	27,0	15,2	-5,0	3,0	2,0
23	21/08/2013 07:30	23,0	14,8	1,0	1,0	1,0	23,0	15,1	-2,0	3,0	1,0	23,0	15,3	-1,0	3,0	3,0
24	28/08/2013 10:30	25,0	14,8	0,0	2,0	1,0	25,0	15,1	-2,0	3,0	1,0	25,0	15,3	-2,0	3,0	4,0
25	06/09/2013 17:30	29,0	14,8	2,0	2,0	1,0	29,0	15,1	-1,0	2,0	1,0	29,0	15,3	-2,0	2,0	2,0
26	13/09/2013 07:30	18,0	14,8	1,0	2,0	1,0	18,0	15,1	-2,0	2,0	1,0	18,0	15,3	-1,0	1,0	2,0
27	21/09/2013 09:30	21,0	14,8	1,0	2,0	0,0	21,0	15,1	-2,0	2,0	1,0	21,0	15,3	-1,0	2,0	2,0
28	26/09/2013 09:30	18,0	14,8	2,0	1,0	1,0	18,0	15,1	-2,0	2,0	1,0	18,0	15,3	-2,0	3,0	3,0
29	03/10/2013 16:30	20,0	14,8	1,0	2,0	1,0	20,0	15,1	-2,0	3,0	1,0	20,0	15,3	-3,0	3,0	2,0
30	10/10/2013 08:30	16,0	14,8	2,0	2,0	2,0	16,0	15,1	-2,0	2,0	3,0	16,0	15,3	-3,0	4,0	4,0
31	16/10/2013 14:30	23,0	14,8	2,0	1,0	1,0	23,0	15,1	-2,0	2,0	2,0	23,0	15,3	-2,0	2,0	3,0
32	24/10/2013 08:30	18,0	14,8	2,0	2,0	1,0	18,0	15,1	-3,0	3,0	1,0	18,0	15,3	-2,0	3,0	4,0
33	31/10/2013 14:30	23,0	14,8	2,0	3,0	0,0	23,0	15,1	-2,0	2,0	1,0	23,0	15,3	-2,0	3,0	4,0
34	07/11/2013 08:30	11,0	14,8	2,0	3,0	2,0	11,0	15,1	-2,0	3,0	1,0	11,0	15,3	-3,0	4,0	4,0
35	14/11/2013 14:30	20,0	14,8	2,0	3,0	1,0	20,0	15,1	-2,0	2,0	1,0	20,0	15,3	-3,0	3,0	4,0
36	25/11/2013 15:30	12,0	14,8	2,0	2,0	2,0	12,0	15,1	-1,0	3,0	3,0	12,0	15,3	-2,0	3,0	4,0
37	30/11/2013 08:30	7,0	14,8	2,0	3,0	2,0	7,0	15,1	-1,0	3,0	1,0	7,0	15,3	-2,0	3,0	4,0
38	05/12/2013 08:30	7,0	14,8	2,0	3,0	0,0	7,0	15,1	-2,0	3,0	1,0	7,0	15,3	-2,0	3,0	2,0
39	19/12/2013 13:00	8,0	14,8	1,0	2,0	1,0	8,0	15,1	-3,0	2,0	1,0	8,0	15,3	-2,0	2,0	2,0
40	27/12/2013 09:00	8,0	14,8	0,0	1,0	2,0	8,0	15,1	-4,0	1,0	2,0	8,0	15,3	-2,0	1,0	3,0
41	02/01/2014 07:30	14,0	14,8	0,0	0,0	4,0	14,0	15,1	-3,0	2,0	1,0	14,0	15,3	-2,0	1,0	4,0
42	08/01/2014 14:30	14,0	14,8	1,0	4,0	3,0	14,0	15,1	-2,0	4,0	1,0	14,0	15,3	-1,0	5,0	3,0
43	15/01/2014 08:30						11,0	15,1	-2,0	4,0	1,0	11,0	15,3	0,0	2,0	3,0
44	22/01/2014 14:30						12,0	15,1	-2,0	5,0	2,0	12,0	15,3	-1,0	4,0	3,0
45	29/01/2014 08:30						7,0	15,1	-2,0	2,0	2,0	7,0	15,3	-2,0	2,0	3,0
46	06/02/2014 14:30						14,0	15,1	-1,0	3,0	1,0	14,0	15,3	-2,0	4,0	2,0
47	12/02/2014 08:30						11,0	15,1	0,0	3,0	1,0	11,0	15,3	-1,0	3,0	2,0
48	19/02/2014 14:30						18,0	15,1	-2,0	5,0	1,0	18,0	15,3	-1,0	3,0	3,0
49	28/02/2014 08:30						12,0	15,1	-2,0	1,0	0,0	12,0	15,3	-1,0	1,0	0,0
50	06/03/2014 16:30						15,0	15,1	-2,0	4,0	2,0	15,0	15,3	-1,0	4,0	2,0
51	10/03/2014 08:30						10,0	15,1	-2,0	4,0	2,0	10,0	15,3	-1,0	5,0	2,0
52	17/03/2014 15:30						15,0	15,1	-2,0	2,0	-1,0	15,0	15,3	-2,0	2,0	1,0
53	24/03/2014 08:30						10,0	15,1	-2,0	4,0	2,0	10,0	15,3	-2,0	4,0	1,0
54	01/04/2014 18:30						15,0	15,1	-2,0	2,0	0,0	15,0	15,3	-2,0	2,0	2,0
55	09/04/2014 08:30						15,0	15,1	-2,0	3,0	0,0	15,0	15,3	-2,0	1,0	0,0
56	16/04/2014 08:30						10,0	15,1	-2,0	4,0	2,0	10,0	15,3	-2,0	2,0	2,0
57	24/04/2014 08:30						15,0	15,1	-2,0	3,0	1,0	15,0	15,3	-2,0	1,0	1,0
58	06/05/2014 08:30						15,0	15,1	-3,0	3,0	1,0	15,0	15,3	-3,0	4,0	3,0
59	13/05/2014 08:30						18,0	15,1	-3,0	3,0	0,0	18,0	15,3	-3,0	3,0	0,0
60	22/05/2014 08:30						20,0	15,1	-3,0	3,0	1,0	20,0	15,3	-3,0	2,0	1,0
61	29/05/2014 08:30						18,0	15,1	-3,0	3,0	1,0	18,0	15,3	-3,0	3,0	2,0
62	11/06/2014 08:30						22,0	15,1	-3,0	3,0	0,0	22,0	15,3	-3,0	2,0	1,0
63	18/06/2014 08:30						18,0	15,1	-3,0	2,0	1,0	18,0	15,3	-3,0	3,0	2,0
64	26/06/2014 08:30						22,0	15,1	-3,0	4,0	0,0	22,0	15,3	-3,0	0,0	0,0
65	08/07/2014 08:30						25,0	15,1	-3,0	4,0	1,0	25,0	15,3	-2,0	2,0	1,0
66	23/07/2014 08:30						25,0	15,1	-3,0	2,0	1,0	25,0	15,3	-2,0	2,0	3,0
67	06/08/2014 08:30						25,0	15,1	-3,0	4,0	0,0	25,0	15,3	-2,0	2,0	0,0
68	02/09/2014 08:30						18,0	15,1	-3,0	4,0	1,0	18,0	15,3	-2,0	3,0	1,0
69	16/09/2014 08:30						20,0	15,1	-3,0	4,0	1,0	20,0	15,3	-2,0	3,0	1,0
70	30/09/2014 08:30						18,0	15,1	-2,0	4,0	-1,0	18,0	15,3	-2,0	3,0	1,0
71	14/10/2014 08:30						20,0	15,1	-2,0	5,0	0,0	20,0	15,3	-2,0	4,0	1,0
72	28/10/2014 08:30						14,0	15,1	-2,0	6,0	0,0	14,0	15,3	-2,0	5,0	2,0
73	13/11/2014 08:30						16,0	15,1	-2,0	3,0	1,0	16,0	15,3	-2,0	3,0	2,0
74	28/11/2014 08:30						16,0	15,1	-2,0	3,0	3,0	16,0	15,3	-2,0	5,0	3,0
75	12/12/2014 08:30						9,0	15,1	-2,0	4,0	1,0	9,0	15,3	-2,0	4,0	2,0
76	29/12/2014 08:30						7,0	15,1	-2,0	5,0	1,0	7,0	15,3	-2,0	4,0	3,0
77	12/01/2015 08:30						9,0	15,1	-2,0	4,0	1,0	9,0	15,3	-2,0	3,	



Ubicazione STAZIONE CHIAIA
Opera \ \ Supplementari \ 45-47
Tipo Strumento Mire Ottiche
Data posa in opera 28/03/2013
Data lettura di zero 28/03/2013

UBICAZIONE

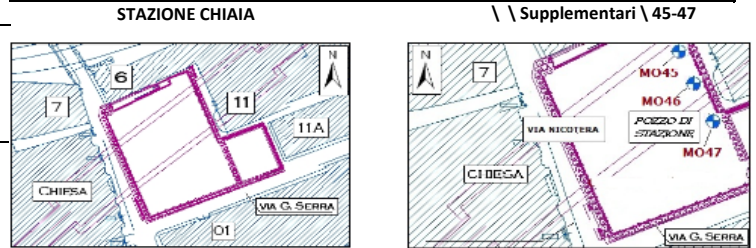


GRAFICO QUOTA

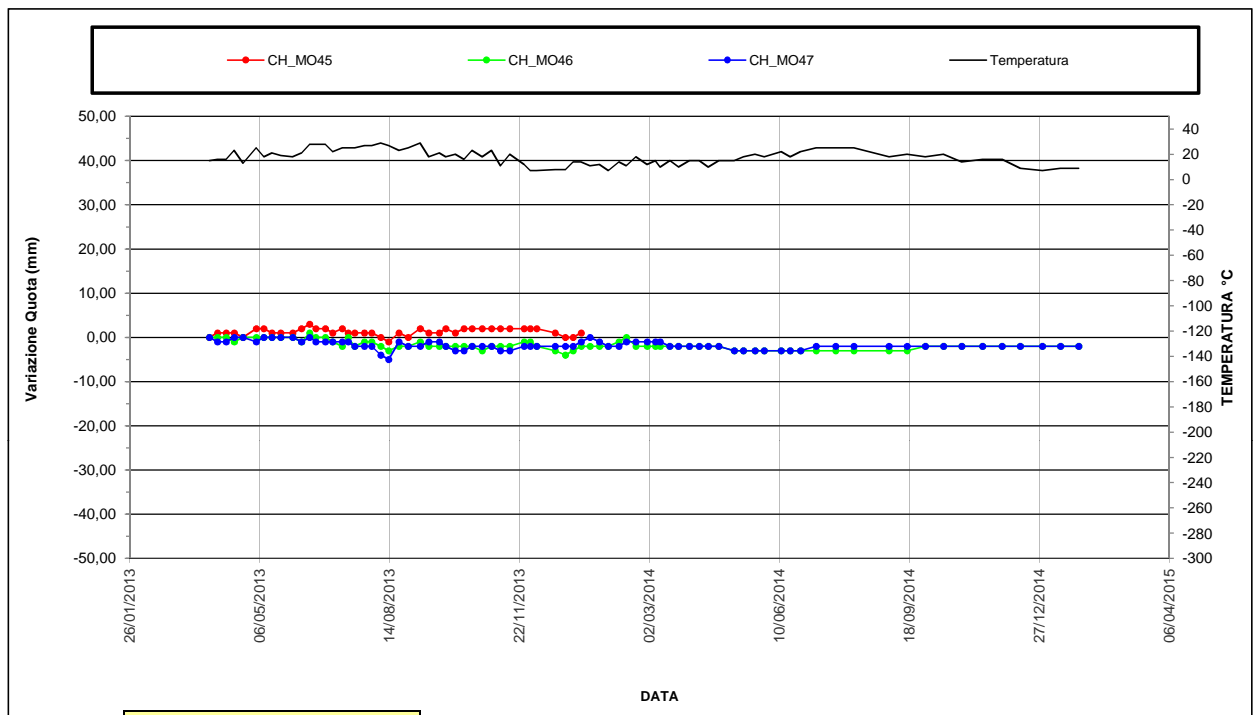
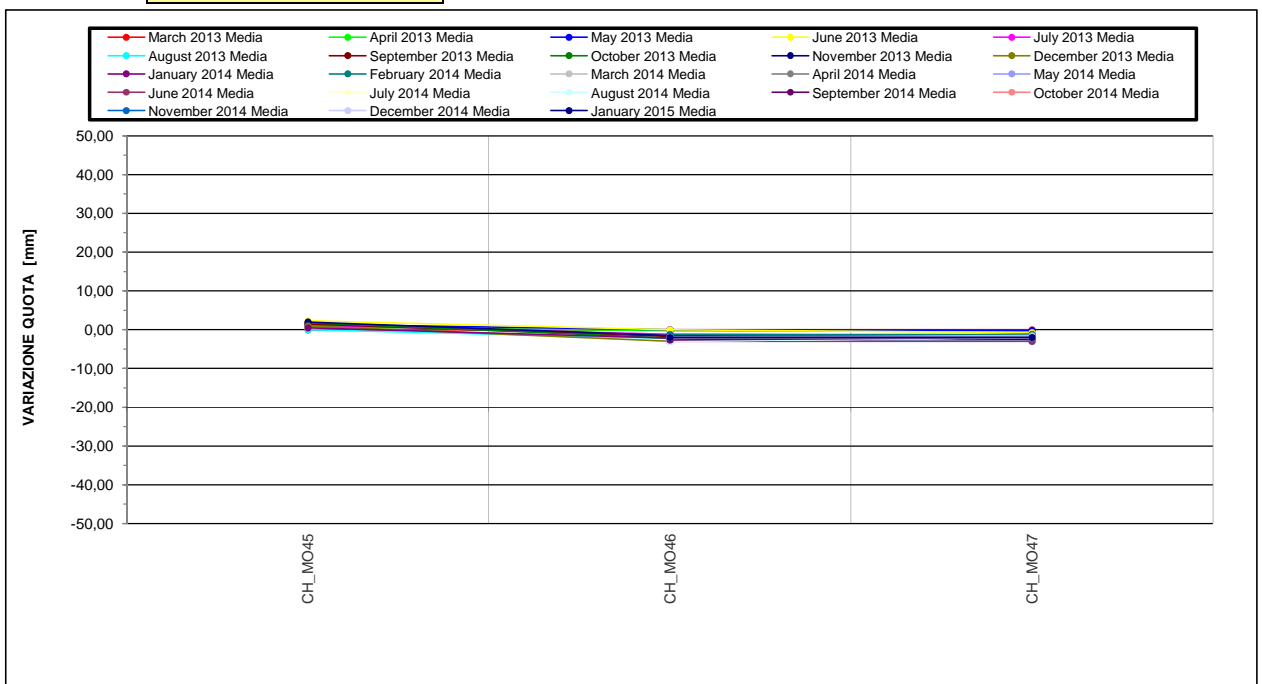


GRAFICO ISOCRONE





Ubicazione STAZIONE CHIAIA
Opera \ \ Supplementari \ 45-47
Tipo Strumento Mire Ottiche
Data posa in opera 28/03/2013
Data lettura di zero 28/03/2013

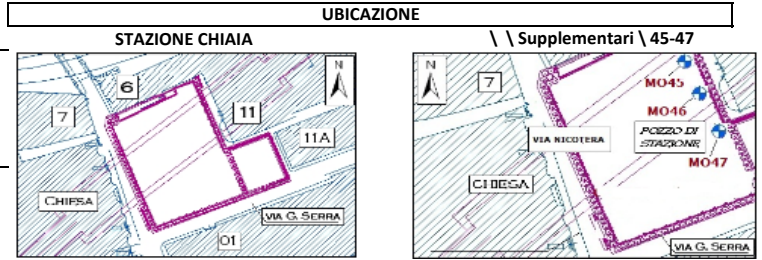


GRAFICO EST

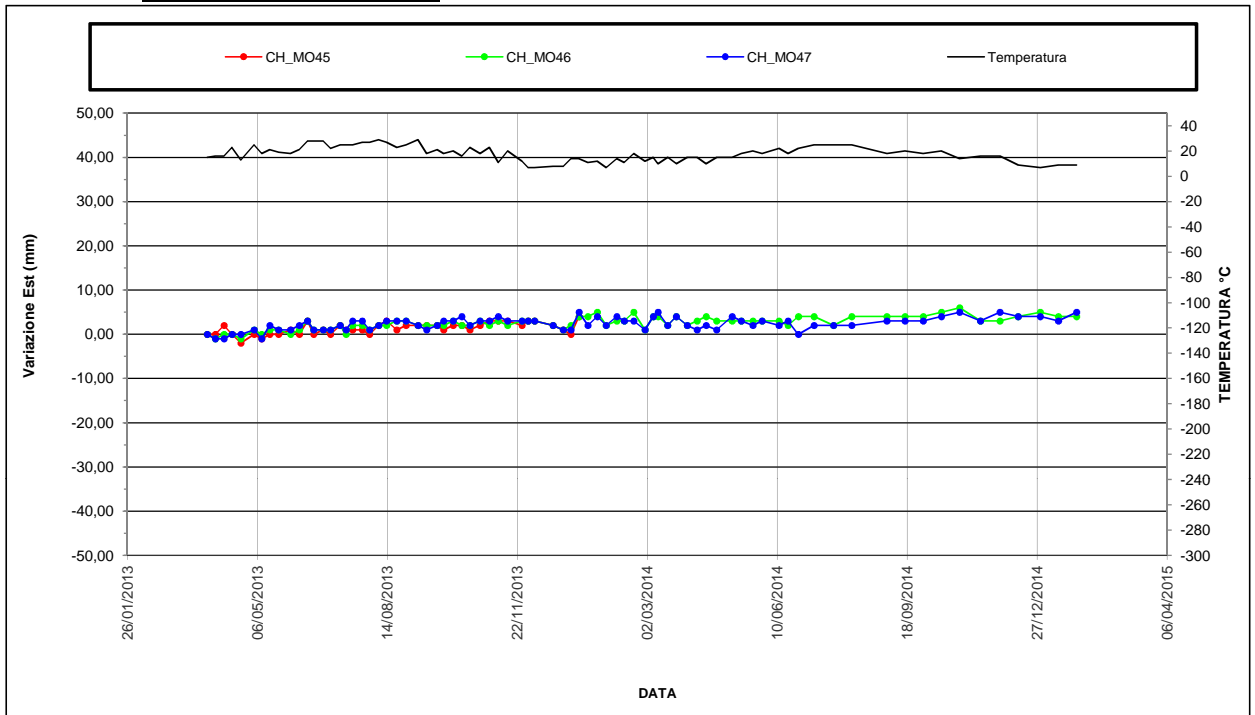
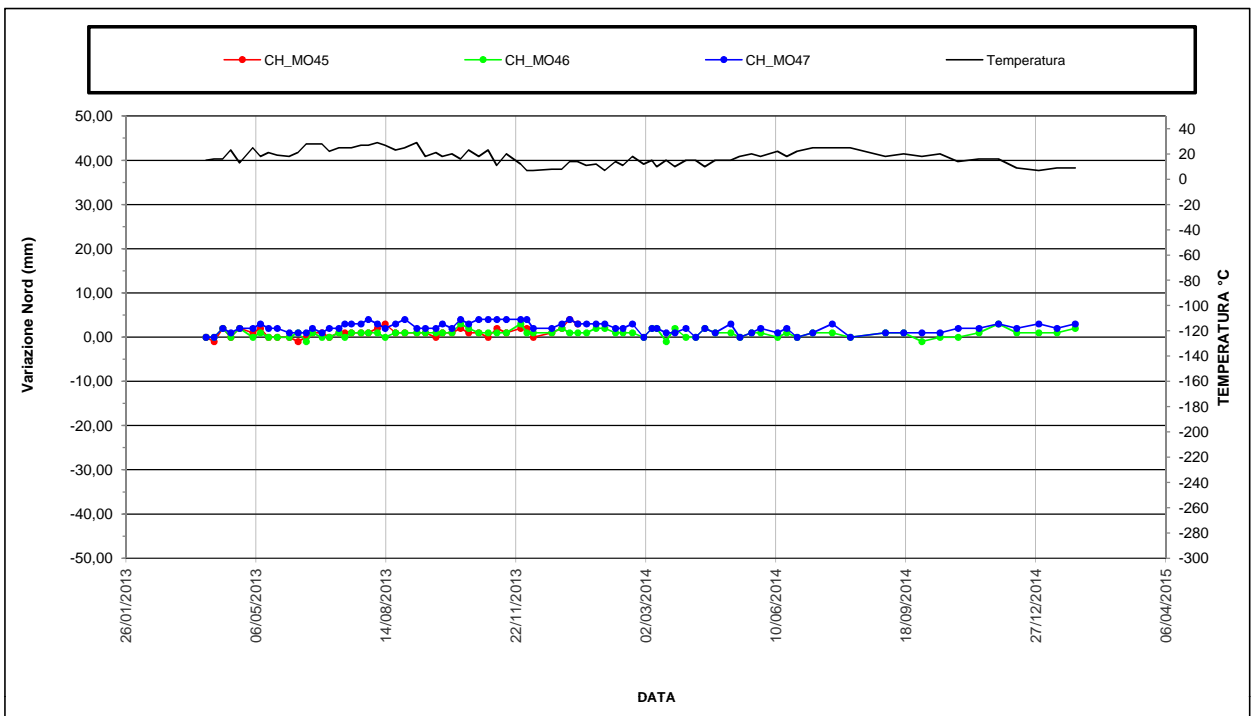


GRAFICO NORD





Ubicazione STAZIONE CHIAIA

Opera \ \ Supplementari \ 48-50

Tipo Strumento Mire Ottiche

Data posa in opera 28/03/2013

Data lettura di zero 28/03/2013

Ultima Misura 78 **in data** 26/01/2015

Lett. n°	DATA	CH_M048					CH_M049					CH_M050				
		Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]
1	28/03/2013 11:00	15,0	16,1	0,0	0,0	0,0	15,0	17,4	0,0	0,0	0,0	15,0	20,6	0,0	0,0	0,0
2	03/04/2013 17:30	16,0	16,1	-1,0	-1,0	0,0	16,0	17,4	0,0	-3,0	1,0	16,0	20,6	-1,0	1,0	0,0
3	10/04/2013 10:30	16,0	16,1	0,0	0,0	0,0	16,0	17,4	-2,0	1,0	2,0	16,0	20,6	-2,0	2,0	0,0
4	16/04/2013 15:00	23,0	16,1	0,0	2,0	0,0	23,0	17,4	-1,0	0,0	-1,0	23,0	20,6	0,0	1,0	-1,0
5	23/04/2013 08:30	13,0	16,1	1,0	1,0	2,0	13,0	17,4	-2,0	1,0	-1,0	13,0	20,6	-2,0	2,0	0,0
6	03/05/2013 14:30	25,0	16,1	0,0	4,0	1,0	25,0	17,4	-2,0	2,0	-1,0	25,0	20,6	-2,0	3,0	-1,0
7	09/05/2013 08:30	18,0	16,1	1,0	1,0	2,0	18,0	17,4	-2,0	1,0	1,0	18,0	20,6	-1,0	3,0	-1,0
8	15/05/2013 14:30	21,0	16,1	0,0	3,0	0,0	21,0	17,4	0,0	-1,0	-2,0	21,0	20,6	-1,0	0,0	-2,0
9	22/05/2013 08:30	19,0	16,1	0,0	3,0	-1,0	19,0	17,4	0,0	0,0	-1,0	19,0	20,6	-1,0	0,0	-1,0
10	31/05/2013 15:30	18,0	16,1	1,0	1,0	-1,0	18,0	17,4	-2,0	0,0	2,0	18,0	20,6	-2,0	2,0	1,0
11	07/06/2013 08:30	21,0	16,1	1,0	2,0	0,0	21,0	17,4	-2,0	0,0	0,0	21,0	20,6	-1,0	1,0	0,0
12	13/06/2013 14:30	28,0	16,1	1,0	3,0	-1,0	28,0	17,4	0,0	2,0	0,0	28,0	20,6	0,0	4,0	-1,0
13	18/06/2013 09:00	28,0	16,1	-1,0	2,0	2,0	28,0	17,4	-1,0	-1,0	1,0	28,0	20,6	-1,0	1,0	0,0
14	25/06/2013 18:00	28,0	16,1	0,0	4,0	0,0	28,0	17,4	0,0	0,0	0,0	28,0	20,6	-1,0	1,0	1,0
15	01/07/2013 07:30	22,0	16,1	-1,0	4,0	1,0	22,0	17,4	0,0	-1,0	1,0	22,0	20,6	-1,0	0,0	0,0
16	08/07/2013 17:30	25,0	16,1	2,0	3,0	2,0	25,0	17,4	0,0	-3,0	-1,0	25,0	20,6	0,0	-3,0	0,0
17	13/07/2013 07:30	25,0	16,1	0,0	4,0	3,0	25,0	17,4	0,0	-2,0	0,0	25,0	20,6	-2,0	-1,0	1,0
18	18/07/2013 07:30	25,0	16,1	-1,0	3,0	2,0	25,0	17,4	1,0	-2,0	0,0	25,0	20,6	0,0	0,0	0,0
19	25/07/2013 18:00	27,0	16,1	-1,0	4,0	3,0	27,0	17,4	1,0	-1,0	1,0	27,0	20,6	-1,0	0,0	0,0
20	31/07/2013 09:00	27,0	16,1	-1,0	4,0	4,0	27,0	17,4	0,0	0,0	1,0	27,0	20,6	0,0	2,0	1,0
21	07/08/2013 09:00	29,0	16,1	-1,0	4,0	4,0	29,0	17,4	0,0	0,0	1,0	29,0	20,6	-2,0	2,0	-1,0
22	13/08/2013 09:00	27,0	16,1	-1,0	3,0	3,0	27,0	17,4	-1,0	-1,0	1,0	27,0	20,6	-3,0	1,0	-2,0
23	21/08/2013 07:30	23,0	16,1	0,0	7,0	2,0	23,0	17,4	0,0	-1,0	1,0	23,0	20,6	-1,0	-1,0	0,0
24	28/08/2013 10:30	25,0	16,1	0,0	5,0	3,0	25,0	17,4	2,0	-3,0	3,0	25,0	20,6	0,0	-2,0	3,0
25	06/09/2013 17:30	29,0	16,1	1,0	5,0	1,0	29,0	17,4	0,0	-2,0	1,0	29,0	20,6	-1,0	-1,0	0,0
26	13/09/2013 07:30	18,0	16,1	1,0	5,0	2,0	18,0	17,4	-1,0	-3,0	0,0	18,0	20,6	0,0	0,0	0,0
27	21/09/2013 09:30	21,0	16,1	2,0	4,0	1,0	21,0	17,4	0,0	-2,0	0,0	21,0	20,6	-1,0	-1,0	1,0
28	26/09/2013 09:30	18,0	16,1	2,0	6,0	3,0	18,0	17,4	-1,0	-3,0	0,0	18,0	20,6	-1,0	-2,0	0,0
29	03/10/2013 16:30	20,0	16,1	2,0	4,0	3,0	20,0	17,4	0,0	-1,0	1,0	20,0	20,6	-1,0	0,0	0,0
30	10/10/2013 08:30	16,0	16,1	2,0	7,0	3,0	16,0	17,4	1,0	-2,0	0,0	16,0	20,6	-1,0	-1,0	1,0
31	16/10/2013 14:30	23,0	16,1	1,0	5,0	3,0	23,0	17,4	0,0	-2,0	2,0	23,0	20,6	-1,0	0,0	3,0
32	24/10/2013 08:30	18,0	16,1	2,0	4,0	2,0	18,0	17,4	0,0	0,0	1,0	18,0	20,6	-2,0	0,0	0,0
33	31/10/2013 14:30	23,0	16,1	2,0	5,0	4,0	23,0	17,4	-1,0	-3,0	2,0	23,0	20,6	-2,0	-1,0	1,0
34	07/11/2013 08:30	11,0	16,1	2,0	6,0	3,0	11,0	17,4	-1,0	-2,0	0,0	11,0	20,6	-2,0	-1,0	-1,0
35	14/11/2013 14:30	20,0	16,1	3,0	5,0	4,0	20,0	17,4	0,0	-3,0	2,0	20,0	20,6	-1,0	-1,0	1,0
36	25/11/2013 15:30	12,0	16,1	3,0	5,0	4,0	12,0	17,4	0,0	-2,0	0,0	12,0	20,6	-1,0	0,0	1,0
37	30/11/2013 08:30	7,0	16,1	3,0	6,0	3,0	7,0	17,4	0,0	0,0	1,0	7,0	20,6	-1,0	1,0	2,0
38	05/12/2013 08:30	7,0	16,1	3,0	3,0	2,0	7,0	17,4	0,0	-2,0	0,0	7,0	20,6	-1,0	-1,0	1,0
39	19/12/2013 13:00	8,0	16,1	1,0	4,0	0,0	8,0	17,4	0,0	-3,0	-1,0	8,0	20,6	-3,0	-1,0	-1,0
40	27/12/2013 09:00	8,0	16,1	1,0	5,0	1,0	8,0	17,4	-2,0	-2,0	-2,0	8,0	20,6	-4,0	-2,0	0,0
41	02/01/2014 07:30	14,0	16,1	1,0	6,0	1,0	14,0	17,4	-2,0	-2,0	-2,0	14,0	20,6	-4,0	-2,0	-1,0
42	08/01/2014 14:30	14,0	16,1	1,0	9,0	2,0	14,0	17,4	-1,0	-3,0	3,0	14,0	20,6	-2,0	-1,0	1,0
43	15/01/2014 08:30	11,0	16,1	4,0	7,0	1,0	11,0	17,4	-1,0	-4,0	-1,0	11,0	20,6	-1,0	-3,0	0,0
44	22/01/2014 14:30	12,0	16,1	4,0	5,0	3,0	12,0	17,4	-1,0	-4,0	-1,0	12,0	20,6	0,0	-2,0	1,0
45	29/01/2014 08:30	7,0	16,1	3,0	5,0	2,0	7,0	17,4	-1,0	-3,0	-1,0	7,0	20,6	0,0	-2,0	0,0
46	06/02/2014 14:30	14,0	16,1	3,0	5,0	1,0	14,0	17,4	-2,0	-4,0	1,0	14,0	20,6	-3,0	-3,0	1,0
47	12/02/2014 08:30	11,0	16,1	3,0	6,0	2,0	11,0	17,4	-1,0	-1,0	4,0	11,0	20,6	-2,0	-1,0	3,0
48	19/02/2014 14:30	18,0	16,1	3,0	5,0	3,0	18,0	17,4	-1,0	-4,0	1,0	18,0	20,6	-2,0	-2,0	2,0
49	28/02/2014 08:30	12,0	16,1	1,0	1,0	0,0	12,0	17,4	0,0	-4,0	3,0	12,0	20,6	-2,0	-2,0	3,0
50	06/03/2014 16:30	15,0	16,1	2,0	5,0	2,0	15,0	17,4	0,0	-3,0	3,0	15,0	20,6	-2,0	-1,0	4,0
51	10/03/2014 08:30	10,0	16,1	3,0	7,0	3,0	10,0	17,4	0,0	-2,0	3,0	10,0	20,6	-2,0	-1,0	3,0
52	17/03/2014 15:30	15,0	16,1	3,0	3,0	0,0	15,0	17,4	0,0	-2,0	3,0	15,0	20,6	-2,0	0,0	3,0
53	24/03/2014 08:30	10,0	16,1	3,0	5,0	3,0	10,0	17,4	0,0	-3,0	2,0	10,0	20,6	-2,0	-2,0	3,0
54	01/04/2014 18:30	15,0	16,1	3,0	5,0	2,0	15,0	17,4	0,0	-3,0	2,0	15,0	20,6	-2,0	-2,0	5,0
55	09/04/2014 08:30	15,0	16,1	3,0	5,0	2,0	15,0	17,4	0,0	-2,0	4,0	15,0	20,6	-2,0	-1,0	3,0
56	16/04/2014 08:30	10,0	16,1	3,0	7,0	5,0	10,0	17,4	0,0	-5,0	6,0	10,0	20,6	-2,0	-3,0	5,0
57	24/04/2014 08:30	15,0	16,1	3,0	4,0	2,0	15,0	17,4	0,0	-5,0	6,0	15,0	20,6	-2,0	-3,0	6,0
58	06/05/2014 08:30	15,0	16,1	3,0	5,0	5,0	15,0	17,4	0,0	-4,0	4,0	15,0	20,6	-2,0	-3,0	2,0
59	13/05/2014 08:30	18,0	16,1	3,0	7,0	4,0	18,0	17,4	0,0	-2,0	4,0	18,0	20,6	-2,0	-1,0	4,0
60	22/05/2014 08:30	20,0	16,1	3,0	5,0	4,0	20,0	17,4	0,0	-4,0	4,0	20,0	20,6	-2,0	-3,0	3,0
61	29/05/2014 08:30	18,0	16,1	3,0	8,0	4,0	18,0	17,4	-1,0	-4,0	3,0	18,0	20,6	-2,0	-2,0	2,0
62	11/06/2014 08:30	22,0	16,1	3,0	6,0	5,0	22,0	17,4	-1,0	-4,0	6,0	22,0	20,6	-2,0	-2,0	4,0
63	18/06/2014 08:30	18,0	16,1	3,0	6,0	6,0	18,0	17,4	-1,0	-5,0	3,0	18,0	20,6	-2,0	-4,0	4,0
64	26/06/2014 08:30	22,0	16,1	3,0	4,0	3,0	22,0	17,4	-1,0	-3,0	4,0	22,0	20,6	-2,0	-2,0	3,0
65	08/07/2014 08:30	25,0	16,1	3,0	7,0	3,0	25,0	17,4	0,0	-5,0	2,0	25,0	20,6	-2,0	-2,0	4,0
66	23/07/2014 08:30	25,0	16,1	3,0	7,0	5,0	25,0	17,4	0,0	-5,0	3,0	25,0	20,6	-2,0	-4,0	3,0
67	06/08/2014 08:30	25,0	16,1	3,0	7,0	3,0	25,0	17,4	0,0	-5,0	4,0	25,0	20,6	-2,0	-5,0	3,0
68	02/09/2014 08:30	18,0	16,1	3,0	7,0	4,0	18,0	17,4	0,0	-6,0	2,0	18,0	20,6	-2,0	-5,0	4,0
69	16/09/2014 08:30	20,0	16,1	3,0	8,0	4,0	20,0	17,4	0,0	-7,0	1,0	20,0	20,6	-2,0	-5,0	2,0
70	30/09/2014 08:30	18,0	16,1	2,0	7,0	4,0	18,0	17,4	0,0	-6,0	3,0	18,0	20,6	-2,0	-5,0	4,0
71	14/10/2014 08:30	20,0	16,1	2,0	7,0	4,0	20,0	17,4	0,0	-4,0	6,0	20,0	20,6	-2,0	-1,0	4,0
72	28/10/2014 08:30	14,0	16,1	2,0	7,0	4,0	14,0	17,4	0,0	-6,0	4,0	14,0	20,6			



Ubicazione STAZIONE CHIAIA
Opera \ \ Supplementari \ 48-50
Tipo Strumento Mire Ottiche
Data posa in opera 28/03/2013
Data lettura di zero 28/03/2013

UBICAZIONE

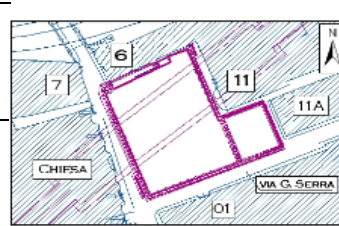


GRAFICO QUOTA

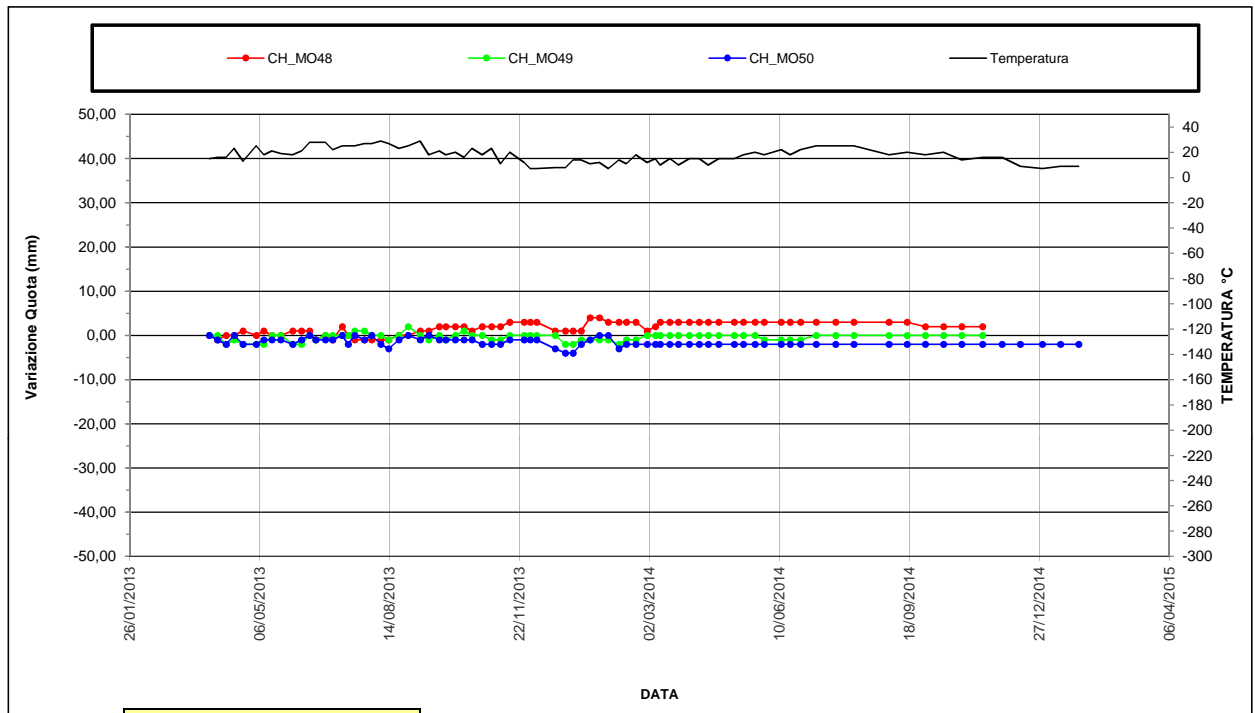
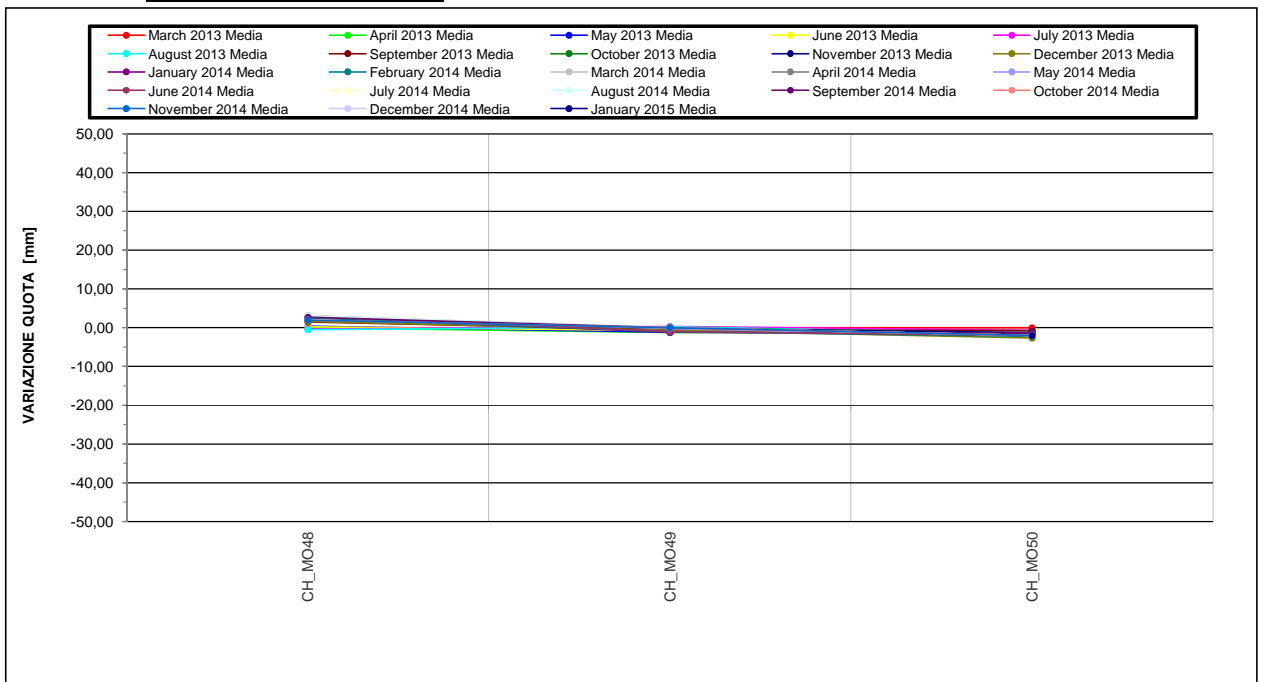


GRAFICO ISOCRONE





Ubicazione STAZIONE CHIAIA
Opera \ \ Supplementari \ 48-50
Tipo Strumento Mire Ottiche
Data posa in opera 28/03/2013
Data lettura di zero 28/03/2013

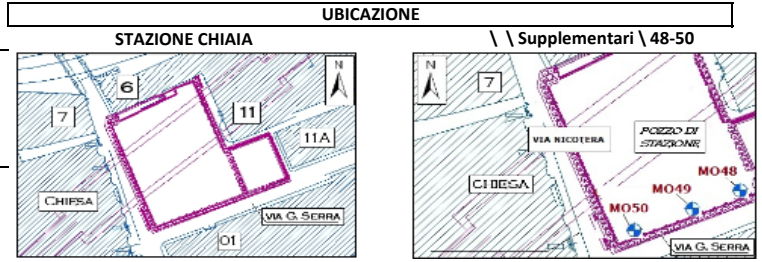


GRAFICO EST

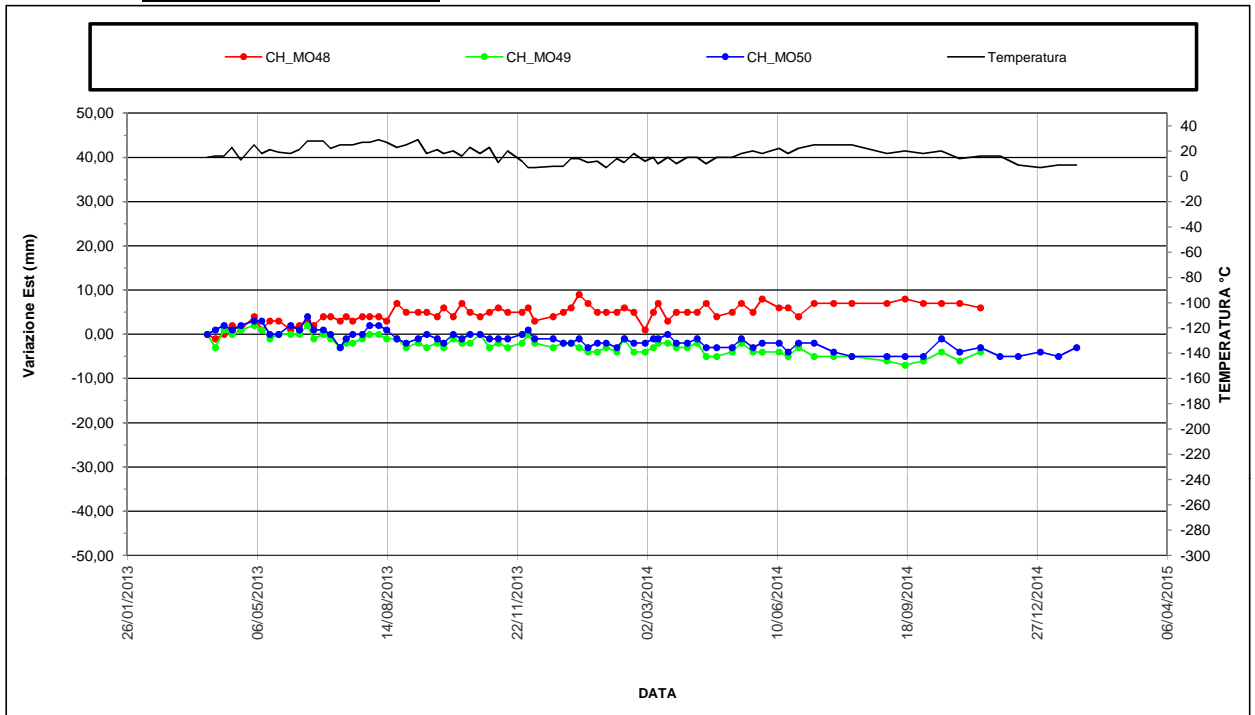
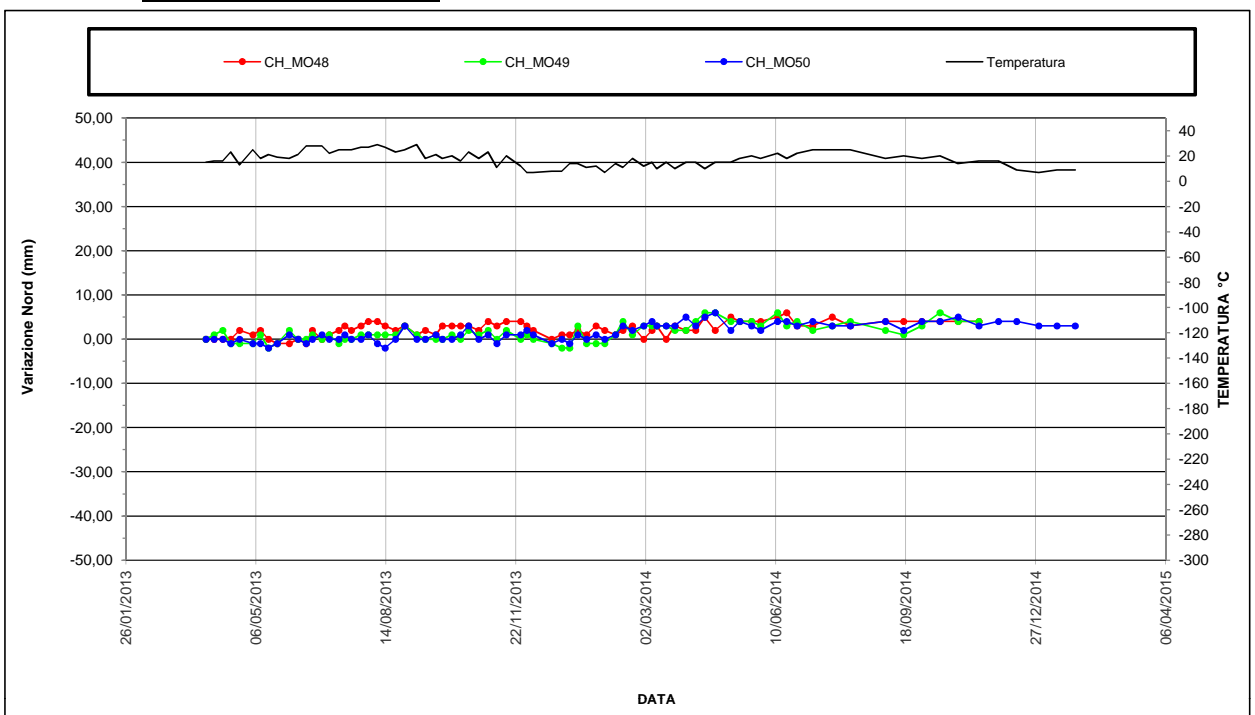


GRAFICO NORD





Ubicazione STAZIONE CHIAIA

Opera \ \ Supplementari \ 51-53

Tipo Strumento Mire Ottiche

Data posa in opera 03/04/2013

Data lettura di zero 03/04/2013

Ultima Misura 78 **in data** 26/01/2015

Letto. n°	DATA	CH_M051					CH_M052					CH_M053				
		Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]
1	28/03/2013 11:00						15,0	21,9	0,0	0,0	0,0	15,0	22,3	0,0	0,0	0,0
2	03/04/2013 17:30	16,0	21,6	0,0	0,0	0,0	16,0	21,9	-1,0	1,0	0,0	16,0	22,3	1,0	0,0	-1,0
3	10/04/2013 10:30	16,0	21,6	0,0	1,0	0,0	16,0	21,9	-2,0	1,0	1,0	16,0	22,3	0,0	-1,0	0,0
4	16/04/2013 15:00	23,0	21,6	1,0	0,0	0,0	23,0	21,9	-1,0	1,0	0,0	23,0	22,3	0,0	0,0	-1,0
5	23/04/2013 08:30	13,0	21,6	-2,0	0,0	0,0	13,0	21,9	-2,0	2,0	0,0	13,0	22,3	-2,0	0,0	-2,0
6	03/05/2013 14:30	25,0	21,6	0,0	2,0	0,0	25,0	21,9	-1,0	3,0	0,0	25,0	22,3	0,0	1,0	-1,0
7	09/05/2013 08:30	18,0	21,6	0,0	2,0	0,0	18,0	21,9	-2,0	2,0	0,0	18,0	22,3	-1,0	-1,0	0,0
8	15/05/2013 14:30	21,0	21,6	0,0	1,0	-1,0	21,0	21,9	0,0	2,0	0,0	21,0	22,3	1,0	1,0	-2,0
9	22/05/2013 08:30	19,0	21,6	0,0	0,0	0,0	19,0	21,9	-2,0	1,0	0,0	19,0	22,3	-1,0	-1,0	0,0
10	31/05/2013 15:30	18,0	21,6	-2,0	1,0	1,0	18,0	21,9	-3,0	2,0	1,0	18,0	22,3	-2,0	0,0	0,0
11	07/06/2013 08:30	21,0	21,6	-1,0	1,0	1,0	21,0	21,9	-2,0	1,0	1,0	21,0	22,3	-1,0	0,0	0,0
12	13/06/2013 14:30	28,0	21,6	0,0	4,0	-1,0	28,0	21,9	0,0	4,0	-1,0	28,0	22,3	0,0	1,0	-2,0
13	18/06/2013 09:00	28,0	21,6	0,0	2,0	1,0	28,0	21,9	-2,0	2,0	2,0	28,0	22,3	-1,0	-1,0	0,0
14	25/06/2013 18:00	28,0	21,6	-2,0	1,0	2,0	28,0	21,9	-2,0	2,0	2,0	28,0	22,3	0,0	0,0	0,0
15	01/07/2013 07:30	22,0	21,6	-1,0	2,0	2,0	22,0	21,9	-2,0	3,0	2,0	22,0	22,3	0,0	2,0	0,0
16	08/07/2013 17:30	25,0	21,6	0,0	-1,0	1,0	25,0	21,9	-2,0	-1,0	0,0	25,0	22,3	0,0	0,0	0,0
17	13/07/2013 07:30	25,0	21,6	-2,0	1,0	3,0	25,0	21,9	-3,0	2,0	1,0	25,0	22,3	-2,0	0,0	0,0
18	18/07/2013 07:30	25,0	21,6	-1,0	1,0	1,0	25,0	21,9	-2,0	1,0	1,0	25,0	22,3	0,0	0,0	0,0
19	25/07/2013 18:00	27,0	21,6	-1,0	1,0	1,0	27,0	21,9	-3,0	2,0	1,0	27,0	22,3	-1,0	1,0	0,0
20	31/07/2013 09:00	27,0	21,6	-2,0	1,0	1,0	27,0	21,9	-2,0	2,0	1,0	27,0	22,3	-1,0	0,0	0,0
21	07/08/2013 09:00	29,0	21,6	-3,0	1,0	1,0	29,0	21,9	-4,0	1,0	1,0	29,0	22,3	-2,0	0,0	0,0
22	13/08/2013 09:00	27,0	21,6	-4,0	0,0	1,0	27,0	21,9	-5,0	0,0	1,0	27,0	22,3	-3,0	-1,0	1,0
23	21/08/2013 07:30	23,0	21,6	-2,0	1,0	1,0	23,0	21,9	-2,0	3,0	2,0	23,0	22,3	-1,0	2,0	0,0
24	28/08/2013 10:30	25,0	21,6	0,0	0,0	4,0	25,0	21,9	-1,0	1,0	3,0	25,0	22,3	1,0	1,0	3,0
25	06/09/2013 17:30	29,0	21,6	-1,0	0,0	0,0	29,0	21,9	-2,0	1,0	2,0	29,0	22,3	1,0	0,0	0,0
26	13/09/2013 07:30	18,0	21,6	-2,0	1,0	1,0	18,0	21,9	-2,0	1,0	1,0	18,0	22,3	0,0	0,0	0,0
27	21/09/2013 09:30	21,0	21,6	-3,0	0,0	2,0	21,0	21,9	-4,0	2,0	1,0	21,0	22,3	-2,0	0,0	1,0
28	26/09/2013 09:30	18,0	21,6	-2,0	0,0	2,0	18,0	21,9	-3,0	1,0	1,0	18,0	22,3	0,0	0,0	0,0
29	03/10/2013 16:30	20,0	21,6	-1,0	1,0	2,0	20,0	21,9	-2,0	2,0	3,0	20,0	22,3	-1,0	0,0	1,0
30	10/10/2013 08:30	16,0	21,6	-1,0	1,0	2,0	16,0	21,9	-2,0	2,0	1,0	16,0	22,3	-1,0	0,0	0,0
31	16/10/2013 14:30	23,0	21,6	-3,0	0,0	3,0	23,0	21,9	-3,0	2,0	3,0	23,0	22,3	-1,0	-1,0	0,0
32	24/10/2013 08:30	18,0	21,6	-2,0	1,0	2,0	18,0	21,9	-3,0	4,0	1,0	18,0	22,3	-1,0	1,0	0,0
33	31/10/2013 14:30	23,0	21,6	-2,0	0,0	2,0	23,0	21,9	-5,0	1,0	1,0	23,0	22,3	-2,0	-1,0	1,0
34	07/11/2013 08:30	11,0	21,6	-2,0	0,0	1,0	11,0	21,9	-4,0	1,0	1,0	11,0	22,3	-1,0	0,0	0,0
35	14/11/2013 14:30	20,0	21,6	-2,0	0,0	2,0	20,0	21,9	-4,0	1,0	1,0	20,0	22,3	-1,0	-1,0	0,0
36	25/11/2013 15:30	12,0	21,6	-2,0	1,0	1,0	12,0	21,9	-3,0	3,0	2,0	12,0	22,3	-1,0	0,0	0,0
37	30/11/2013 08:30	7,0	21,6	-2,0	2,0	2,0	7,0	21,9	-3,0	3,0	2,0	7,0	22,3	-1,0	1,0	0,0
38	05/12/2013 08:30	7,0	21,6	-2,0	0,0	0,0	7,0	21,9	-3,0	2,0	1,0	7,0	22,3	-1,0	0,0	0,0
39	19/12/2013 13:00	8,0	21,6	-4,0	0,0	0,0	8,0	21,9	-5,0	1,0	2,0	8,0	22,3	-3,0	-2,0	1,0
40	27/12/2013 09:00	8,0	21,6	-4,0	-1,0	2,0	8,0	21,9	-6,0	0,0	3,0	8,0	22,3	-4,0	-2,0	3,0
41	02/01/2014 07:30	14,0	21,6	-5,0	0,0	1,0	14,0	21,9	-6,0	-1,0	2,0	14,0	22,3	-5,0	-3,0	3,0
42	08/01/2014 14:30	14,0	21,6	-3,0	0,0	2,0	14,0	21,9	-4,0	1,0	4,0	14,0	22,3	-2,0	-2,0	2,0
43	15/01/2014 08:30	11,0	21,6	-2,0	0,0	0,0	11,0	21,9	-3,0	1,0	0,0	11,0	22,3	-2,0	-1,0	0,0
44	22/01/2014 14:30	12,0	21,6	-2,0	0,0	0,0	12,0	21,9	-3,0	0,0	1,0	12,0	22,3	-1,0	-1,0	0,0
45	29/01/2014 08:30	7,0	21,6	-2,0	0,0	0,0	7,0	21,9	-3,0	1,0	1,0	7,0	22,3	-2,0	0,0	1,0
46	06/02/2014 14:30	14,0	21,6	-3,0	-1,0	2,0	14,0	21,9	-4,0	0,0	2,0	14,0	22,3	-2,0	-3,0	1,0
47	12/02/2014 08:30	11,0	21,6	-3,0	2,0	3,0	11,0	21,9	-4,0	3,0	4,0	11,0	22,3	-2,0	-1,0	2,0
48	19/02/2014 14:30	18,0	21,6	-2,0	0,0	2,0	18,0	21,9	-4,0	2,0	3,0	18,0	22,3	-2,0	-1,0	1,0
49	28/02/2014 08:30	12,0	21,6	-2,0	2,0	3,0	12,0	21,9	-3,0	2,0	4,0					
50	06/03/2014 16:30	15,0	21,6	-3,0	1,0	3,0	15,0	21,9	-4,0	1,0	4,0					
51	10/03/2014 08:30	10,0	21,6	-3,0	0,0	3,0	10,0	21,9	-4,0	2,0	5,0					
52	17/03/2014 15:30	15,0	21,6	-3,0	2,0	2,0	15,0	21,9	-4,0	2,0	3,0					
53	24/03/2014 08:30	10,0	21,6	-3,0	-1,0	3,0	10,0	21,9	-4,0	1,0	3,0					
54	01/04/2014 18:30	15,0	21,6	-2,0	-1,0	5,0	15,0	21,9	-4,0	-1,0	5,0					
55	09/04/2014 08:30	15,0	21,6	-2,0	0,0	2,0	15,0	21,9	-4,0	2,0	3,0					
56	16/04/2014 08:30	10,0	21,6	-2,0	-1,0	5,0	10,0	21,9	-4,0	0,0	5,0					
57	24/04/2014 08:30	15,0	21,6	-2,0	-1,0	5,0	15,0	21,9	-4,0	0,0	5,0					
58	06/05/2014 08:30	15,0	21,6	-3,0	1,0	2,0	15,0	21,9	-4,0	1,0	3,0					
59	13/05/2014 08:30	18,0	21,6	-3,0	2,0	3,0	18,0	21,9	-4,0	2,0	3,0					
60	22/05/2014 08:30	20,0	21,6	-3,0	0,0	2,0	20,0	21,9	-4,0	0,0	3,0					
61	29/05/2014 08:30	18,0	21,6	-3,0	0,0	3,0	18,0	21,9	-4,0	0,0	2,0					
62	11/06/2014 08:30	22,0	21,6	-3,0	0,0	3,0	22,0	21,9	-4,0	1,0	4,0					
63	18/06/2014 08:30	18,0	21,6	-3,0	0,0	2,0	18,0	21,9	-4,0	1,0	5,0					
64	26/06/2014 08:30	22,0	21,6	-3,0	0,0	2,0	22,0	21,9	-4,0	2,0	4,0					
65	08/07/2014 08:30	25,0	21,6	-3,0	0,0	3,0	25,0	21,9	-4,0	2,0	4,0					
66	23/07/2014 08:30	25,0	21,6	-3,0	0,0	1,0	25,0	21,9	-4,0	2,0	2,0					
67	06/08/2014 08:30	25,0	21,6	-3,0	-1,0	5,0	25,0	21,9	-3,0	1,0	4,0	25,0	22,3	-1,0	-2,0	2,0
68	02/09/2014 08:30	18,0	21,6	-3,0	-2,0	3,0	18,0	21,9	-3,0	1,0	5,0	18,0	22,3	-1,0	0,0	3,0
69	16/09/2014 08:30	20,0	21,6	-3,0	-2,0	1,0	20,0	21,9	-3,0	0,0	3,0	20,0	22,3	-1,0	-1,0	2,0
70	30/09/2014 08:30	18,0	21,6	-3,0	-1,0	3,0	18,0	21,9	-3,0	-1,0	4,0	18,0	22,3	-1,0	-2,0	3,0
71	14/10/2014 08:30	20,0	21,6	-3,0	2,0	5,0	20,0	21,9	-3,0	2,0	4,0	20,0	22,3	-1,0	-2,0	2,0
72	28/10/2014 08:30	14,0	21,6	-3,0	-2,0	3,0	14,0	21,9	-3,0	-1,0	4,0	14,0	22,3	-1,0	-4,0	2,0
73	13/11/2014 08:30						16,0	21,9	-3,0	1,0	4,0	16,0	22,3	-1,0	-3,0	2,0
74	28/11/2014 08:30						16,0	21,9	-3,0	-1,0	5,0	16,0	22,3	-1,0	-4,0	3,0
75	12/12/2014 08:30						9,0	21,9	-3,0	0,0	4,0	9,0	22,3	-1,0		



Ubicazione STAZIONE CHIAIA
Opera \ \ Supplementari \ 51-53
Tipo Strumento Mire Ottiche
Data posa in opera 03/04/2013
Data lettura di zero 03/04/2013

UBICAZIONE

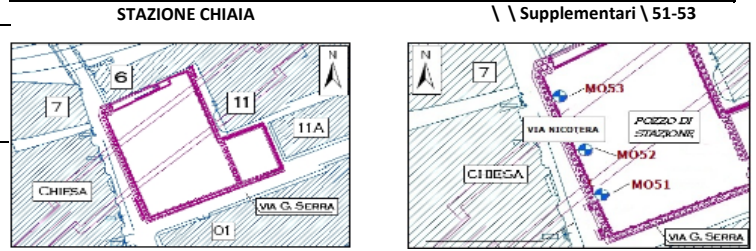


GRAFICO QUOTA

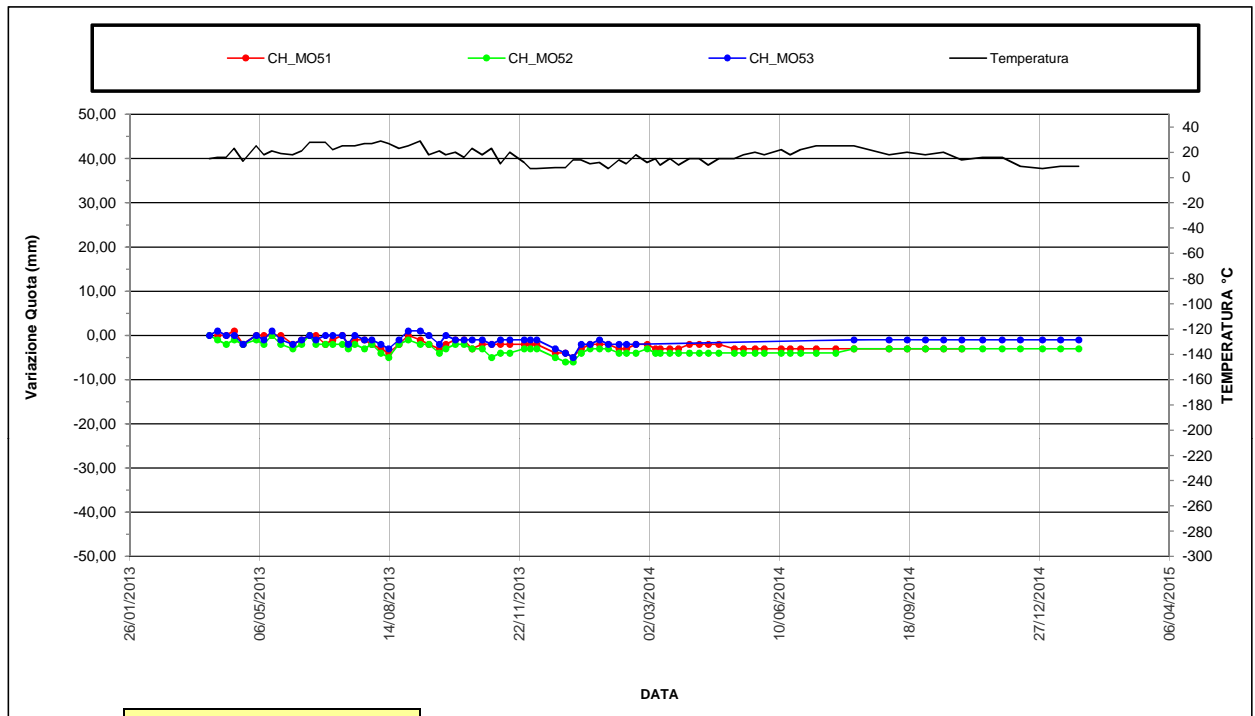
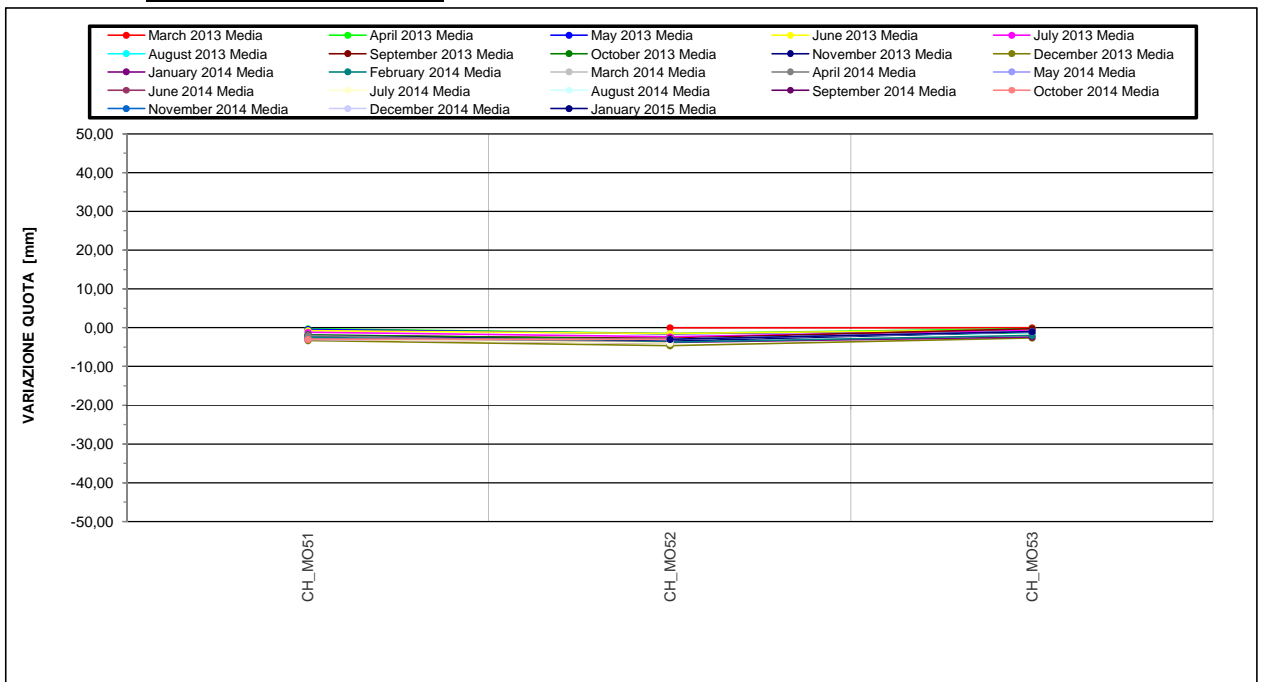


GRAFICO ISOCRONE





Ubicazione STAZIONE CHIAIA
Opera \ \ Supplementari \ 51-53
Tipo Strumento Mire Ottiche
Data posa in opera 03/04/2013
Data lettura di zero 03/04/2013

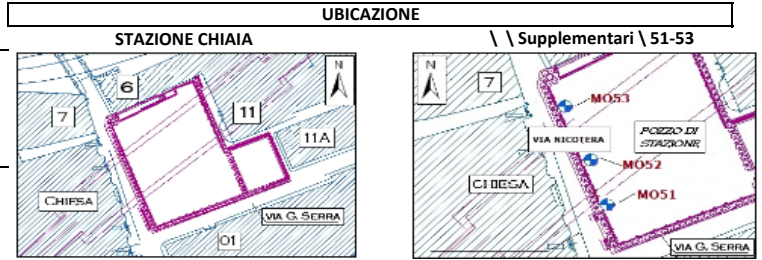


GRAFICO EST

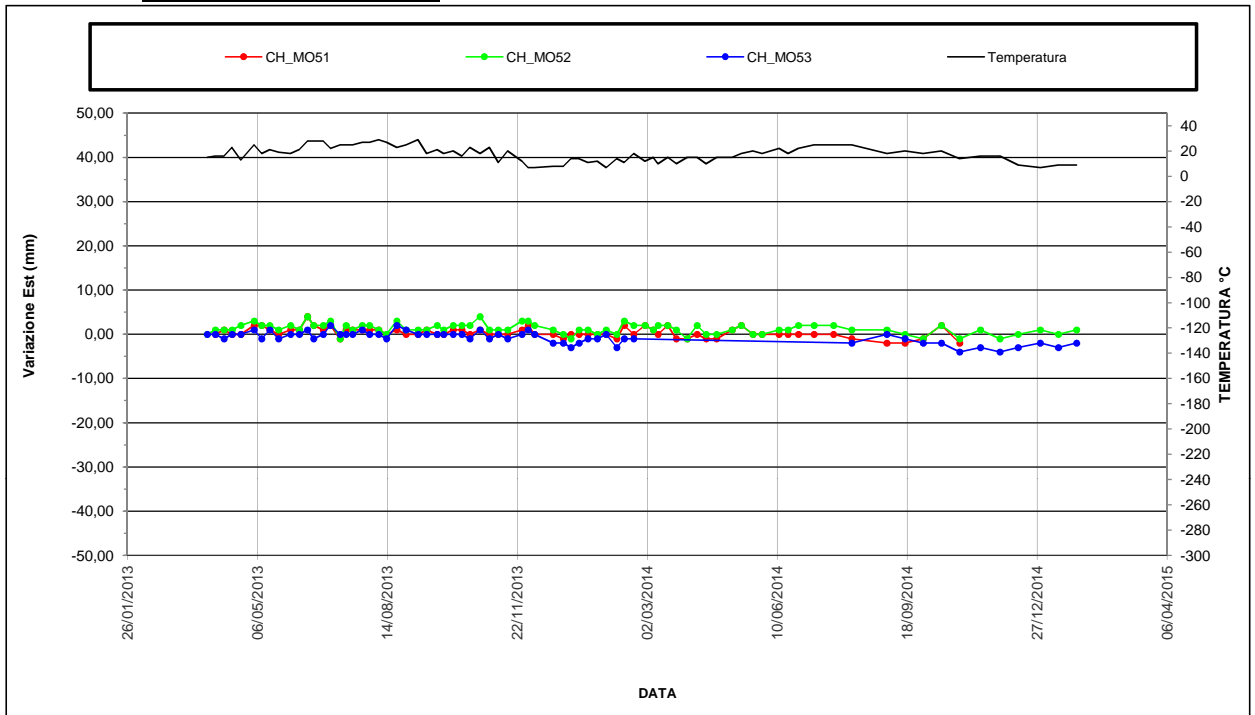
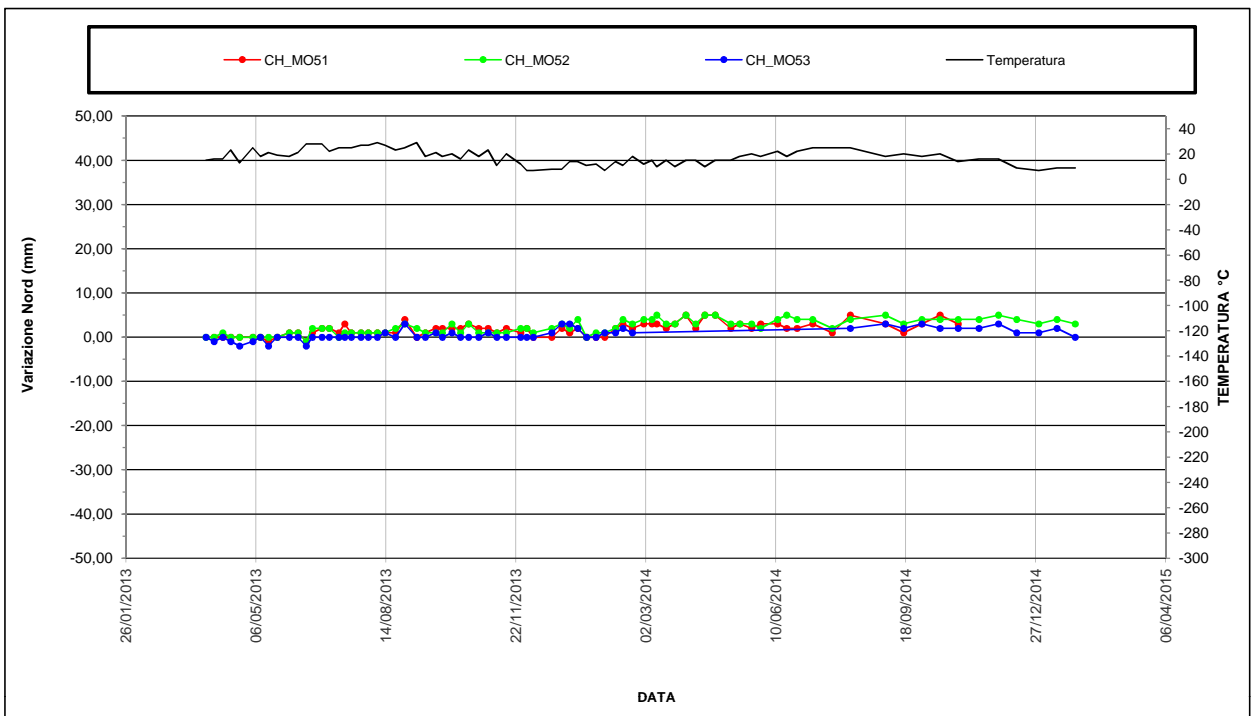


GRAFICO NORD





Ubicazione STAZIONE CHIAIA

Opera \ \ Supplementari \ 54-55

Tipo Strumento Mire Ottiche

Data posa in opera 28/03/2013

Data lettura di zero 28/03/2013

Ultima Misura 77 **in data** 26/01/2015

Letto. n°	DATA	CH_M054					CH_M055				
		Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]
1	28/03/2013 11:00	15,0	14,4	0,0	0,0	0,0	15,0	14,5	0,0	0,0	0,0
2	03/04/2013 17:30	16,0	14,4	-2,0	-2,0	0,0	16,0	14,5	0,0	0,0	0,0
3	10/04/2013 10:30	16,0	14,4	-2,0	-2,0	0,0	16,0	14,5	0,0	1,0	2,0
4	16/04/2013 15:00	23,0	14,4	-1,0	-1,0	-1,0	23,0	14,5	0,0	1,0	-1,0
5	23/04/2013 08:30	13,0	14,4	-2,0	-2,0	-1,0	13,0	14,5	-1,0	0,0	1,0
6	03/05/2013 14:30	25,0	14,4	0,0	-1,0	-1,0	25,0	14,5	0,0	2,0	1,0
7	09/05/2013 08:30	18,0	14,4	-1,0	-3,0	-1,0	18,0	14,5	0,0	1,0	3,0
8	15/05/2013 14:30	21,0	14,4	0,0	0,0	-2,0	21,0	14,5	0,0	2,0	0,0
9	22/05/2013 08:30	19,0	14,4	-1,0	-3,0	-1,0	19,0	14,5	0,0	2,0	0,0
10	31/05/2013 15:30	18,0	14,4	-2,0	-3,0	0,0	18,0	14,5	1,0	1,0	0,0
11	07/06/2013 08:30	21,0	14,4	-2,0	-2,0	-1,0	21,0	14,5	1,0	2,0	1,0
12	13/06/2013 14:30	28,0	14,4	0,0	-2,0	-3,0	28,0	14,5	2,0	4,0	-1,0
13	18/06/2013 09:00	28,0	14,4	-2,0	-3,0	0,0	28,0	14,5	1,0	1,0	0,0
14	25/06/2013 18:00	28,0	14,4	-1,0	-2,0	0,0	28,0	14,5	1,0	3,0	0,0
15	01/07/2013 07:30	22,0	14,4	0,0	-2,0	-1,0	22,0	14,5	1,0	2,0	0,0
16	08/07/2013 17:30	25,0	14,4	1,0	-3,0	-1,0	25,0	14,5	0,0	2,0	1,0
17	13/07/2013 07:30	25,0	14,4	0,0	-2,0	0,0	25,0	14,5	0,0	1,0	0,0
18	18/07/2013 07:30	25,0	14,4	1,0	-3,0	0,0	25,0	14,5	0,0	2,0	-1,0
19	25/07/2013 18:00	27,0	14,4	0,0	-2,0	-1,0	27,0	14,5	0,0	2,0	-1,0
20	31/07/2013 09:00	27,0	14,4	0,0	-4,0	-1,0	27,0	14,5	2,0	2,0	-1,0
21	07/08/2013 09:00	29,0	14,4	-2,0	-4,0	0,0	29,0	14,5	2,0	2,0	-1,0
22	13/08/2013 09:00	27,0	14,4	-3,0	-5,0	1,0	27,0	14,5	2,0	1,0	-1,0
23	21/08/2013 07:30	23,0	14,4	0,0	-1,0	-1,0	23,0	14,5	1,0	3,0	-1,0
24	28/08/2013 10:30	25,0	14,4	1,0	-3,0	1,0	25,0	14,5	2,0	3,0	0,0
25	06/09/2013 17:30	29,0	14,4	0,0	-4,0	-1,0	29,0	14,5	3,0	3,0	0,0
26	13/09/2013 07:30	18,0	14,4	0,0	-3,0	-2,0	18,0	14,5	2,0	3,0	-2,0
27	21/09/2013 09:30	21,0	14,4	-1,0	-4,0	-1,0	21,0	14,5	3,0	3,0	-1,0
28	26/09/2013 09:30	18,0	14,4	0,0	-4,0	-1,0	18,0	14,5	3,0	3,0	-1,0
29	03/10/2013 16:30	20,0	14,4	0,0	-3,0	0,0	20,0	14,5	3,0	2,0	0,0
30	10/10/2013 08:30	16,0	14,4	0,0	-4,0	-1,0	16,0	14,5	2,0	4,0	1,0
31	16/10/2013 14:30	23,0	14,4	0,0	-5,0	0,0	23,0	14,5	3,0	4,0	1,0
32	24/10/2013 08:30	18,0	14,4	-1,0	-3,0	-1,0	18,0	14,5	2,0	4,0	2,0
33	31/10/2013 14:30	23,0	14,4	-2,0	-5,0	0,0	23,0	14,5	3,0	4,0	0,0
34	07/11/2013 08:30	11,0	14,4	-2,0	-4,0	-1,0	11,0	14,5	3,0	5,0	2,0
35	14/11/2013 14:30	20,0	14,4	-2,0	-5,0	-1,0	20,0	14,5	2,0	4,0	1,0
36	25/11/2013 15:30	12,0	14,4	-1,0	-3,0	-2,0	12,0	14,5	2,0	5,0	2,0
37	30/11/2013 08:30	7,0	14,4	-1,0	-3,0	0,0	7,0	14,5	3,0	4,0	0,0
38	05/12/2013 08:30	7,0	14,4	-1,0	-4,0	0,0	7,0	14,5	3,0	5,0	1,0
39	19/12/2013 13:00	8,0	14,4	-3,0	-5,0	1,0	8,0	14,5	3,0	5,0	0,0
40	27/12/2013 09:00	8,0	14,4	-4,0	-6,0	3,0	8,0	14,5	3,0	3,0	1,0
41	02/01/2014 07:30	14,0	14,4	-5,0	-7,0	3,0	14,0	14,5	3,0	3,0	1,0
42	08/01/2014 14:30	14,0	14,4	-1,0	-6,0	1,0	14,0	14,5	2,0	6,0	1,0
43	15/01/2014 08:30	11,0	14,4	-1,0	-6,0	0,0	11,0	14,5	2,0	4,0	0,0
44	22/01/2014 14:30	12,0	14,4	0,0	-5,0	0,0	12,0	14,5	3,0	6,0	1,0
45	29/01/2014 08:30	7,0	14,4	-1,0	-5,0	1,0	7,0	14,5	1,0	3,0	2,0
46	06/02/2014 14:30	14,0	14,4	-2,0	-7,0	1,0	14,0	14,5	1,0	5,0	1,0
47	12/02/2014 08:30	11,0	14,4	-1,0	-6,0	1,0	11,0	14,5	1,0	6,0	3,0
48	19/02/2014 14:30	18,0	14,4	-1,0	-5,0	0,0	18,0	14,5	1,0	5,0	1,0
49	28/02/2014 08:30	12,0	14,4	-1,0	-6,0	2,0	12,0	14,5	2,0	3,0	0,0
50	06/03/2014 16:30	15,0	14,4	-1,0	-6,0	2,0	15,0	14,5	3,0	6,0	2,0
51	10/03/2014 08:30	10,0	14,4	-1,0	-6,0	1,0	10,0	14,5	3,0	5,0	0,0
52	17/03/2014 15:30	15,0	14,4	-1,0	-7,0	0,0	15,0	14,5	3,0	4,0	1,0
53	24/03/2014 08:30	10,0	14,4	0,0	-6,0	1,0	10,0	14,5	2,0	6,0	1,0
54	01/04/2014 18:30	15,0	14,4	0,0	-7,0	3,0	15,0	14,5	3,0	4,0	0,0
55	09/04/2014 08:30	15,0	14,4	0,0	-7,0	2,0	15,0	14,5	3,0	5,0	-1,0
56	16/04/2014 08:30	10,0	14,4	0,0	-7,0	1,0	10,0	14,5	3,0	5,0	0,0
57	24/04/2014 08:30	15,0	14,4	0,0	-7,0	1,0	15,0	14,5	3,0	4,0	0,0
58	06/05/2014 08:30	15,0	14,4	-1,0	-6,0	-1,0	15,0	14,5	3,0	4,0	0,0
59	13/05/2014 08:30	18,0	14,4	-1,0	-7,0	0,0	18,0	14,5	3,0	6,0	-1,0
60	22/05/2014 08:30	20,0	14,4	0,0	-6,0	0,0	20,0	14,5	3,0	5,0	0,0
61	29/05/2014 08:30	18,0	14,4	0,0	-8,0	0,0	18,0	14,5	3,0	5,0	-2,0
62	11/06/2014 08:30	22,0	14,4	0,0	-7,0	0,0	22,0	14,5	3,0	4,0	-3,0
63	18/06/2014 08:30	18,0	14,4	0,0	-5,0	0,0	18,0	14,5	3,0	4,0	-1,0
64	26/06/2014 08:30	22,0	14,4	0,0	-7,0	-1,0	22,0	14,5	3,0	6,0	-1,0
65	08/07/2014 08:30	25,0	14,4	1,0	-4,0	-1,0	25,0	14,5	3,0	5,0	-3,0
66	23/07/2014 08:30	25,0	14,4	1,0	-5,0	-2,0	25,0	14,5	2,0	4,0	-2,0
67	06/08/2014 08:30	25,0	14,4	1,0	-8,0	0,0	25,0	14,5	2,0	2,0	-1,0
68	02/09/2014 08:30	18,0	14,4	1,0	-6,0	0,0	18,0	14,5	2,0	3,0	-3,0
69	16/09/2014 08:30	20,0	14,4	0,0	-7,0	-1,0	20,0	14,5	3,0	5,0	-3,0
70	30/09/2014 08:30	18,0	14,4	0,0	-8,0	0,0	18,0	14,5	3,0	6,0	-2,0
71	14/10/2014 08:30	20,0	14,4	0,0	-9,0	0,0	20,0	14,5	3,0	6,0	-3,0
72	28/10/2014 08:30	14,0	14,4	0,0	-9,0	0,0	14,0	14,5	3,0	7,0	-1,0
73	13/11/2014 08:30	16,0	14,4	0,0	-8,0	-1,0	16,0	14,5	3,0	6,0	-2,0
74	28/11/2014 08:30	16,0	14,4	0,0	-8,0	-1,0	16,0	14,5	3,0	7,0	0,0
75	12/12/2014 08:30						9,0	14,5	3,0	9,0	0,0
76	12/01/2015 08:30	9,0	14,4	1,0	-7,0	-3,0					
77	26/01/2015 08:30	9,0	14,4	1,0	-9,0	-3,0					



Ubicazione STAZIONE CHIAIA
Opera \ \ Supplementari \ 54-55
Tipo Strumento Mire Ottiche
Data posa in opera 28/03/2013
Data lettura di zero 28/03/2013

UBICAZIONE

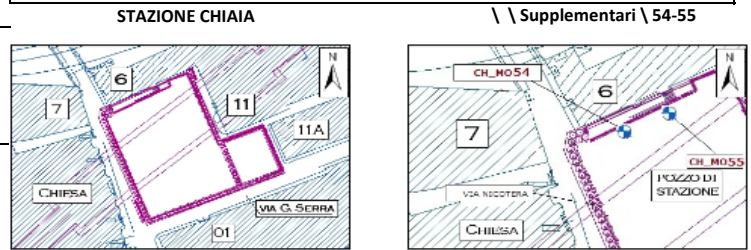


GRAFICO QUOTA

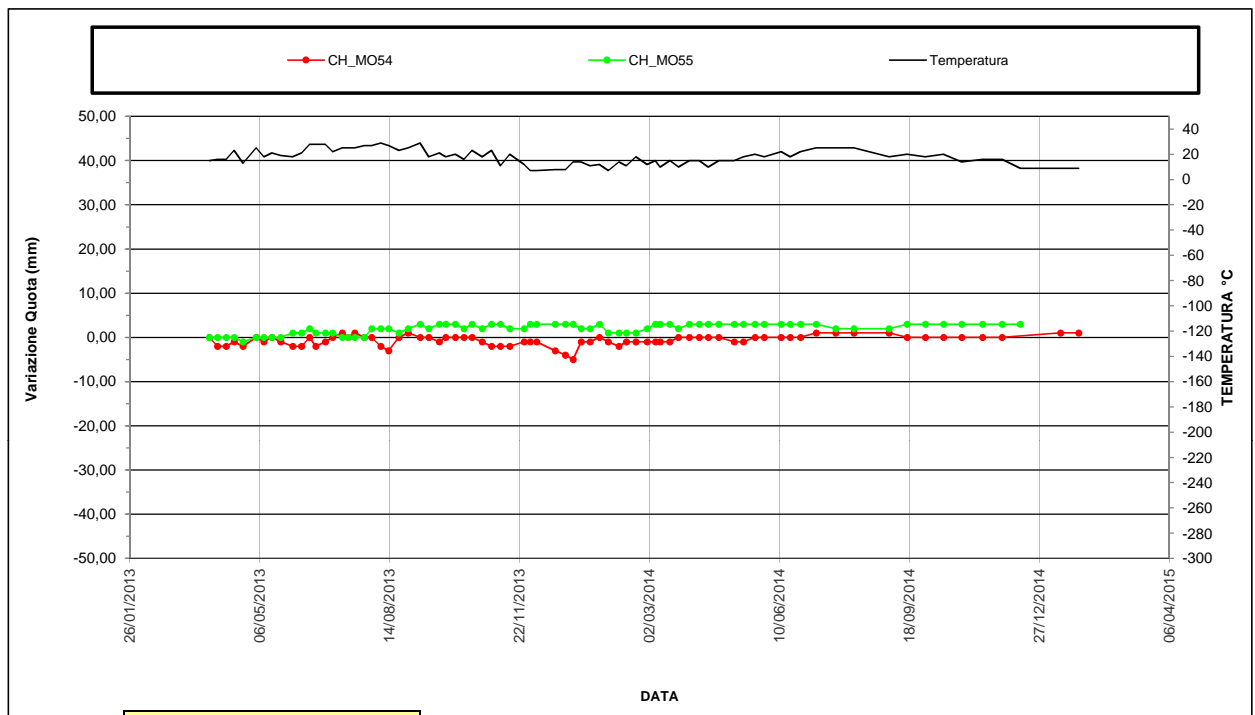
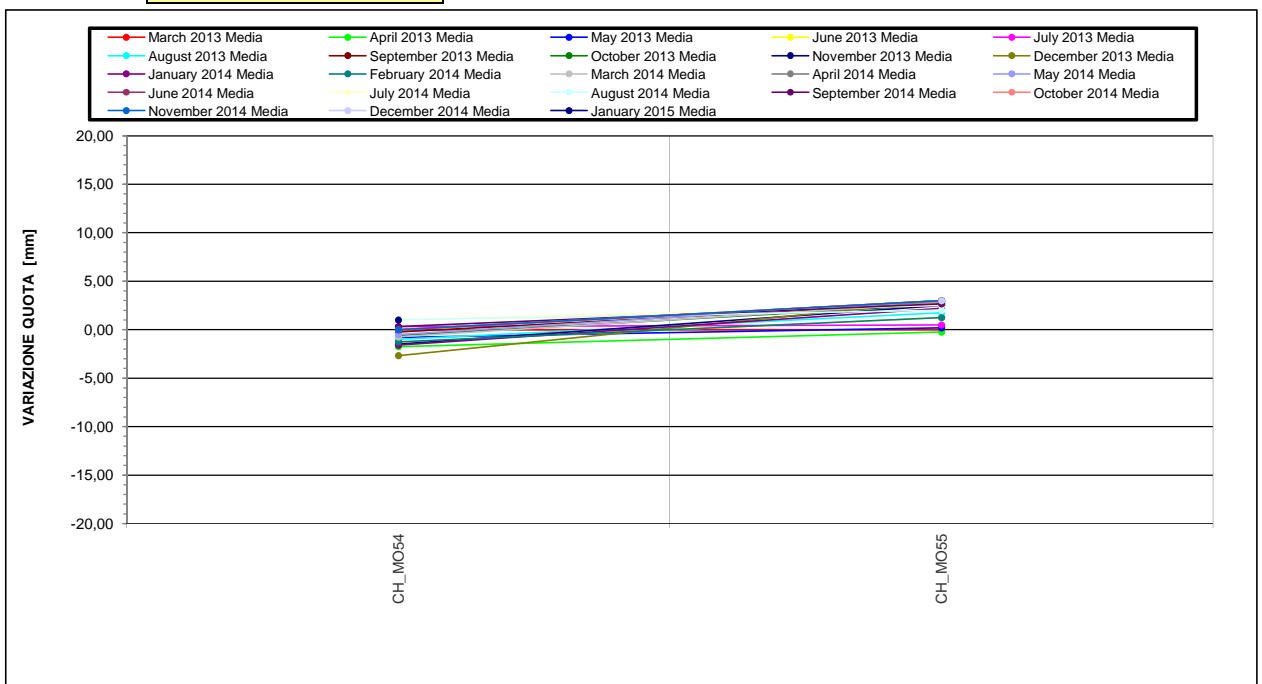


GRAFICO ISOCRONE





Ubicazione STAZIONE CHIAIA
Opera \ \ Supplementari \ 54-55
Tipo Strumento Mire Ottiche
Data posa in opera 28/03/2013
Data lettura di zero 28/03/2013

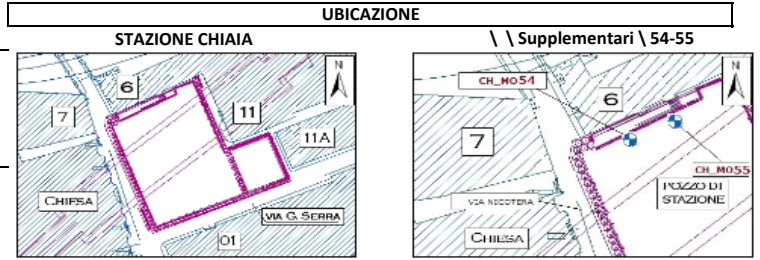


GRAFICO EST

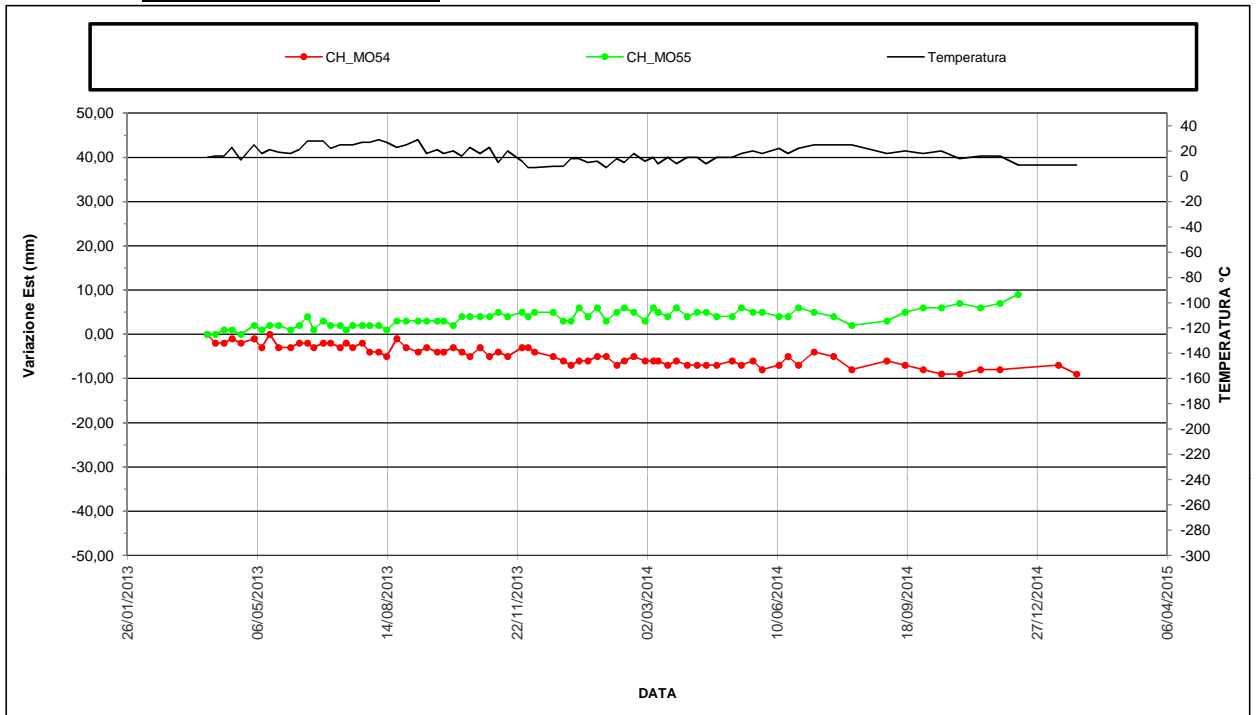
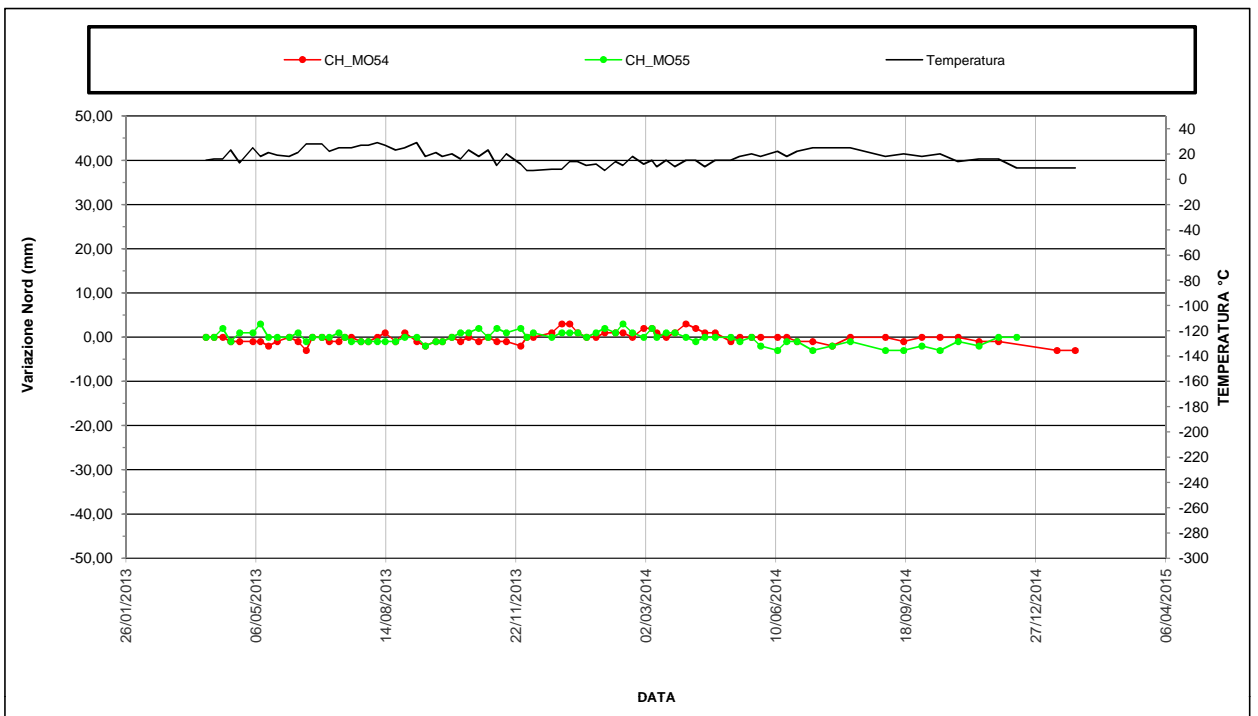


GRAFICO NORD





Ubicazione STAZIONE CHIAIA

Opera \ \ Supplementari \ 56-59

Tipo Strumento Mire Ottiche

Data posa in opera 28/03/2013

Data lettura di zero 28/03/2013

Ultima Misura 78 in data 26/01/2015

lett. n°	DATA	CH_M056					CH_M057					CH_M058					CH_M059				
		Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]
1	28/03/2013 11:00	15.0	9.4	0.0	0.0	0.0	15.0	9.6	0.0	0.0	0.0	15.0	11.3	0.0	0.0	0.0	15.0	11.3	0.0	0.0	0.0
2	03/04/2013 17:30	16.0	9.4	-2.0	0.0	0.0	16.0	9.6	0.0	-2.0	0.0	16.0	11.3	0.0	-3.0	2.0	16.0	11.3	-1.0	1.0	2.0
3	10/04/2013 10:30	16.0	9.4	-2.0	1.0	0.0	16.0	9.6	1.0	-1.0	1.0	16.0	11.3	-1.0	-2.0	1.0	16.0	11.3	-1.0	1.0	3.0
4	16/04/2013 15:00	23.0	9.4	-3.0	2.0	0.0	23.0	9.6	0.0	1.0	0.0	23.0	11.3	-1.0	3.0	0.0	23.0	11.3	0.0	0.0	1.0
5	23/04/2013 08:30	13.0	9.4	-2.0	2.0	1.0	13.0	9.6	0.0	-1.0	1.0	13.0	11.3	0.0	1.0	2.0	13.0	11.3	-2.0	2.0	2.0
6	03/05/2013 14:30	25.0	9.4	-2.0	3.0	0.0	25.0	9.6	0.0	2.0	1.0	25.0	11.3	-1.0	4.0	1.0	25.0	11.3	0.0	2.0	2.0
7	09/05/2013 08:30	18.0	9.4	-1.0	1.0	2.0	18.0	9.6	-1.0	1.0	3.0	18.0	11.3	0.0	2.0	3.0	18.0	11.3	-1.0	2.0	2.0
8	15/05/2013 14:30	21.0	9.4	-2.0	3.0	0.0	21.0	9.6	0.0	2.0	1.0	21.0	11.3	-1.0	3.0	1.0	21.0	11.3	1.0	0.0	0.0
9	22/05/2013 08:30	19.0	9.4	-2.0	1.0	-1.0	19.0	9.6	0.0	0.0	0.0	19.0	11.3	-1.0	3.0	2.0	19.0	11.3	0.0	0.0	1.0
10	31/05/2013 15:30	18.0	9.4	-2.0	2.0	-1.0	18.0	9.6	0.0	0.0	0.0	18.0	11.3	0.0	0.0	0.0	18.0	11.3	-3.0	1.0	3.0
11	07/06/2013 08:30	21.0	9.4	0.0	1.0	-1.0	21.0	9.6	-1.0	1.0	0.0	21.0	11.3	0.0	2.0	1.0	21.0	11.3	-2.0	1.0	2.0
12	13/06/2013 14:30	28.0	9.4	-1.0	3.0	-2.0	28.0	9.6	1.0	3.0	-1.0	28.0	11.3	1.0	3.0	2.0	28.0	11.3	0.0	3.0	2.0
13	18/06/2013 09:00	28.0	9.4	-2.0	1.0	1.0	28.0	9.6	-1.0	1.0	1.0	28.0	11.3	-1.0	2.0	3.0	28.0	11.3	0.0	1.0	2.0
14	25/06/2013 18:00	28.0	9.4	-1.0	2.0	-1.0	28.0	9.6	0.0	2.0	0.0	28.0	11.3	0.0	4.0	2.0	28.0	11.3	0.0	1.0	3.0
15	01/07/2013 07:30	22.0	9.4	-2.0	3.0	-1.0	22.0	9.6	-1.0	1.0	0.0	22.0	11.3	0.0	5.0	2.0	22.0	11.3	0.0	0.0	1.0
16	08/07/2013 17:30	25.0	9.4	-3.0	3.0	1.0	25.0	9.6	-1.0	2.0	1.0	25.0	11.3	0.0	3.0	2.0	25.0	11.3	1.0	-2.0	2.0
17	13/07/2013 07:30	25.0	9.4	-2.0	1.0	0.0	25.0	9.6	-1.0	1.0	2.0	25.0	11.3	-2.0	4.0	3.0	25.0	11.3	0.0	-1.0	2.0
18	18/07/2013 07:30	25.0	9.4	-2.0	1.0	1.0	25.0	9.6	-1.0	1.0	2.0	25.0	11.3	-1.0	4.0	3.0	25.0	11.3	1.0	0.0	3.0
19	25/07/2013 18:00	27.0	9.4	-2.0	2.0	1.0	27.0	9.6	-1.0	1.0	3.0	27.0	11.3	-1.0	6.0	4.0	27.0	11.3	1.0	0.0	1.0
20	31/07/2013 09:00	27.0	9.4	-2.0	0.0	0.0	27.0	9.6	-1.0	1.0	3.0	27.0	11.3	-2.0	5.0	5.0	27.0	11.3	1.0	1.0	3.0
21	07/08/2013 09:00	29.0	9.4	-3.0	2.0	0.0	29.0	9.6	-1.0	2.0	2.0	29.0	11.3	-2.0	5.0	5.0	29.0	11.3	-1.0	1.0	1.0
22	13/08/2013 09:00	27.0	9.4	-4.0	3.0	1.0	27.0	9.6	-2.0	3.0	1.0	27.0	11.3	-1.0	4.0	5.0	27.0	11.3	-2.0	1.0	2.0
23	21/08/2013 07:30	23.0	9.4	-2.0	3.0	1.0	23.0	9.6	-2.0	3.0	2.0	23.0	11.3	-1.0	8.0	4.0	23.0	11.3	1.0	0.0	2.0
24	28/08/2013 10:30	25.0	9.4	-3.0	3.0	1.0	25.0	9.6	-2.0	2.0	3.0	25.0	11.3	0.0	6.0	4.0	25.0	11.3	2.0	-3.0	5.0
25	06/09/2013 17:30	29.0	9.4	-2.0	3.0	1.0	29.0	9.6	-1.0	2.0	2.0	29.0	11.3	1.0	6.0	3.0	29.0	11.3	0.0	-2.0	1.0
26	13/09/2013 07:30	18.0	9.4	-2.0	2.0	1.0	18.0	9.6	-1.0	2.0	1.0	18.0	11.3	1.0	5.0	3.0	18.0	11.3	1.0	0.0	1.0
27	21/09/2013 09:30	21.0	9.4	-3.0	3.0	-1.0	21.0	9.6	-1.0	2.0	1.0	21.0	11.3	1.0	5.0	2.0	21.0	11.3	1.0	0.0	3.0
28	26/09/2013 09:30	18.0	9.4	-3.0	3.0	0.0	18.0	9.6	-1.0	2.0	2.0	18.0	11.3	0.0	7.0	3.0	18.0	11.3	1.0	-1.0	3.0
29	03/10/2013 16:30	20.0	9.4	-3.0	3.0	0.0	20.0	9.6	-1.0	4.0	1.0	20.0	11.3	1.0	6.0	2.0	20.0	11.3	0.0	-1.0	4.0
30	10/10/2013 08:30	16.0	9.4	-3.0	4.0	1.0	16.0	9.6	0.0	3.0	3.0	16.0	11.3	1.0	8.0	3.0	16.0	11.3	0.0	-1.0	2.0
31	16/10/2013 14:30	23.0	9.4	-2.0	3.0	1.0	23.0	9.6	0.0	2.0	2.0	23.0	11.3	0.0	5.0	4.0	23.0	11.3	0.0	-2.0	3.0
32	24/10/2013 08:30	18.0	9.4	-3.0	3.0	1.0	18.0	9.6	-1.0	2.0	3.0	18.0	11.3	1.0	5.0	4.0	18.0	11.3	0.0	0.0	1.0
33	31/10/2013 14:30	23.0	9.4	-3.0	3.0	1.0	23.0	9.6	-1.0	2.0	2.0	23.0	11.3	1.0	7.0	4.0	23.0	11.3	-1.0	-2.0	3.0
34	07/11/2013 08:30	11.0	9.4	-3.0	3.0	1.0	11.0	9.6	-2.0	4.0	2.0	11.0	11.3	1.0	6.0	4.0	11.0	11.3	0.0	-1.0	1.0
35	14/11/2013 14:30	20.0	9.4	-3.0	2.0	1.0	20.0	9.6	-1.0	3.0	3.0	20.0	11.3	1.0	7.0	3.0	20.0	11.3	0.0	-1.0	2.0
36	25/11/2013 15:30	12.0	9.4	-2.0	3.0	1.0	12.0	9.6	0.0	3.0	4.0	12.0	11.3	1.0	8.0	4.0	12.0	11.3	0.0	0.0	1.0
37	30/11/2013 08:30	7.0	9.4	-3.0	3.0	1.0	7.0	9.6	-1.0	4.0	4.0	7.0	11.3	2.0	8.0	4.0	7.0	11.3	0.0	1.0	2.0
38	05/12/2013 08:30	7.0	9.4	-3.0	3.0	1.0	7.0	9.6	0.0	3.0	2.0	7.0	11.3	2.0	6.0	3.0	7.0	11.3	0.0	-1.0	2.0
39	19/12/2013 13:00	8.0	9.4	-4.0	3.0	0.0	8.0	9.6	-2.0	3.0	1.0	8.0	11.3	0.0	5.0	1.0	8.0	11.3	-2.0	-2.0	0.0
40	27/12/2013 09:00	8.0	9.4	-4.0	1.0	1.0	8.0	9.6	-1.0	2.0	2.0	8.0	11.3	-1.0	6.0	1.0	8.0	11.3	-2.0	-1.0	0.0
41	02/01/2014 07:30	14.0	9.4	-5.0	1.0	3.0	14.0	9.6	-1.0	2.0	3.0	14.0	11.3	0.0	5.0	1.0	14.0	11.3	-2.0	-1.0	0.0
42	08/01/2014 14:30	14.0	9.4	-2.0	5.0	2.0	14.0	9.6	0.0	5.0	2.0	14.0	11.3	2.0	8.0	3.0	14.0	11.3	0.0	-2.0	3.0
43	15/01/2014 08:30	11.0	9.4	-2.0	5.0	2.0	11.0	9.6	0.0	6.0	3.0	11.0	11.3	2.0	9.0	2.0	11.0	11.3	0.0	-2.0	1.0
44	22/01/2014 14:30	12.0	9.4	-2.0	5.0	2.0	12.0	9.6	0.0	5.0	2.0	12.0	11.3	3.0	7.0	2.0	12.0	11.3	1.0	-2.0	2.0
45	29/01/2014 08:30	7.0	9.4	-2.0	2.0	1.0	7.0	9.6	0.0	2.0	3.0	7.0	11.3	1.0	7.0	3.0	7.0	11.3	0.0	-1.0	0.0
46	06/02/2014 14:30	14.0	9.4	-1.0	4.0	0.0	14.0	9.6	0.0	3.0	2.0	14.0	11.3	1.0	8.0	1.0	14.0	11.3	0.0	-3.0	3.0
47	12/02/2014 08:30	11.0	9.4	-1.0	3.0	0.0	11.0	9.6	0.0	4.0	2.0	11.0	11.3	3.0	6.0	3.0	11.0	11.3	0.0	0.0	5.0
48	19/02/2014 14:30	18.0	9.4	-2.0	3.0	0.0	18.0	9.6	-1.0	5.0	1.0	18.0	11.3	1.0	8.0	3.0	18.0	11.3	0.0	-2.0	2.0
49	28/02/2014 08:30	12.0	9.4	-2.0	3.0	-2.0	12.0	9.6	0.0	1.0	0.0	12.0	11.3	1.0	1.0	3.0	12.0	11.3	0.0	-2.0	4.0
50	06/03/2014 16:30	15.0	9.4	-2.0	4.0	0.0	15.0	9.6	0.0	4.0	1.0	15.0	11.3	2.0	6.0	3.0	15.0	11.3	0.0	-1.0	5.0
51	10/03/2014 08:30	10.0	9.4	-2.0	5.0	0.0	10.0	9.6	0.0	4.0	1.0	10.0	11.3	2.0	8.0	2.0	10.0	11.3	0.0	-2.0	4.0
52	17/03/2014 15:30	15.0	9.4	-2.0	4.0	-2.0	15.0	9.6	0.0	3.0	0.0	15.0	11.3	2.0	4.0	2.0	15.0	11.3	-1.0	-1.0	4.0
53	24/03/2014 08:30	10.0	9.4	-2.0	4.0	0.0	10.0	9.6	0.0	3.0	1.0	10.0	11.3	2.0	7.0	3.0	10.0	11.3	-1.0	-3.0	4.0
54	01/04/2014 18:30	15.0	9.4	-2.0	3.0	-2.0	15.0	9.6	0.0	3.0	1.0	15.0	11.3	2.0	6.0	3.0	15.0	11.3	0.0	-3.0	8.0
55	09/04/2014 08:30	15.0	9.4	-3.0	4.0	-1.0	15.0	9.6	-1.0	3.0	1.0	15.0	11.3	1.0	5.0	3.0	15.0	11.3	0.0	-3.0	5.0
56	16/04/2014 08:30	10.0	9.4	-3.0	3.0	1.0	10.0	9.6	-1.0	5.0	4.0	10.0	11.3	1.0	9.0	5.0	10.0	11.3	0.0	-5.0	6.0
57	24/04/2014 08:30	15.0	9.4	-3.0	3.0	0.0	15.0	9.6	-1.0	3.0	1.0	15.0	11.3	0.0	5.0	4.0	15.0	11.3	0.0	-4.0	6.0
58	06/05/2014 08:30	15.0	9.																		



Ubicazione STAZIONE CHIAIA
Opera \ \ Supplementari \ 56-59
Tipo Strumento Mire Ottiche
Data posa in opera 28/03/2013
Data lettura di zero 28/03/2013

GRAFICO QUOTA

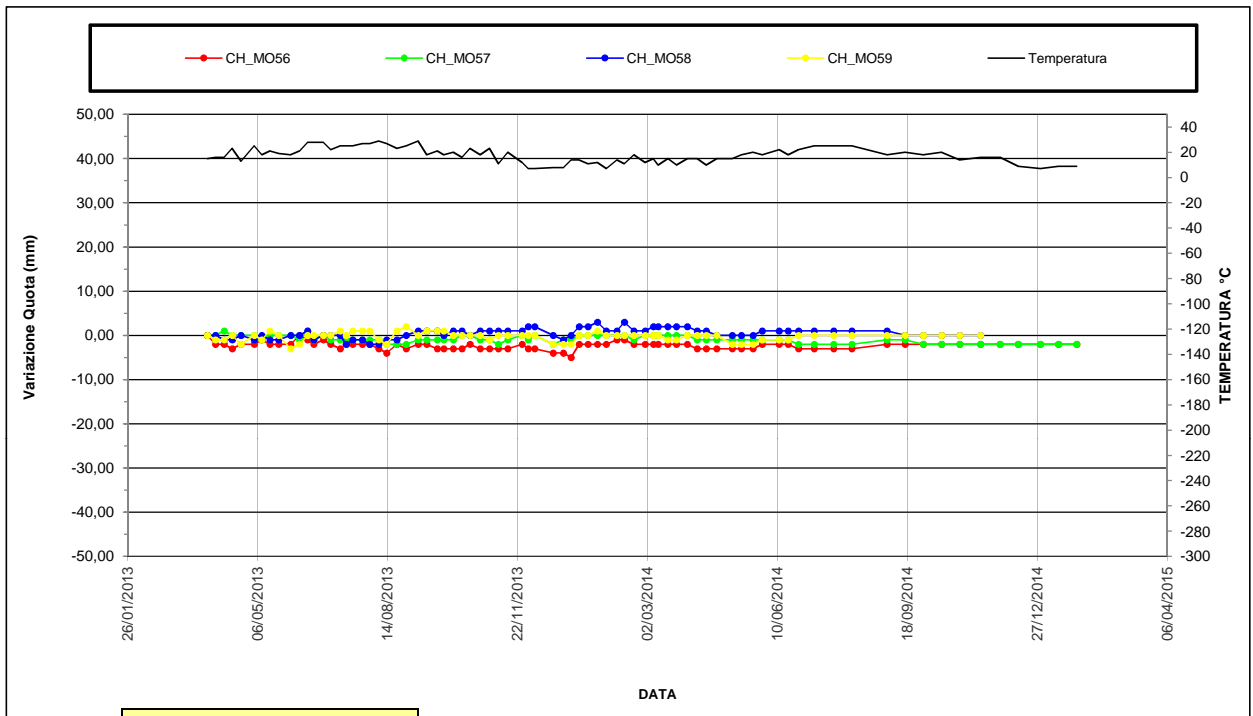
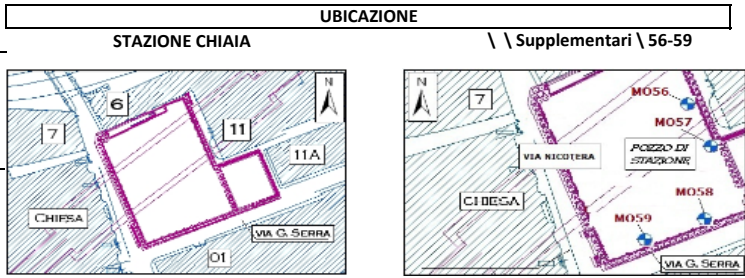
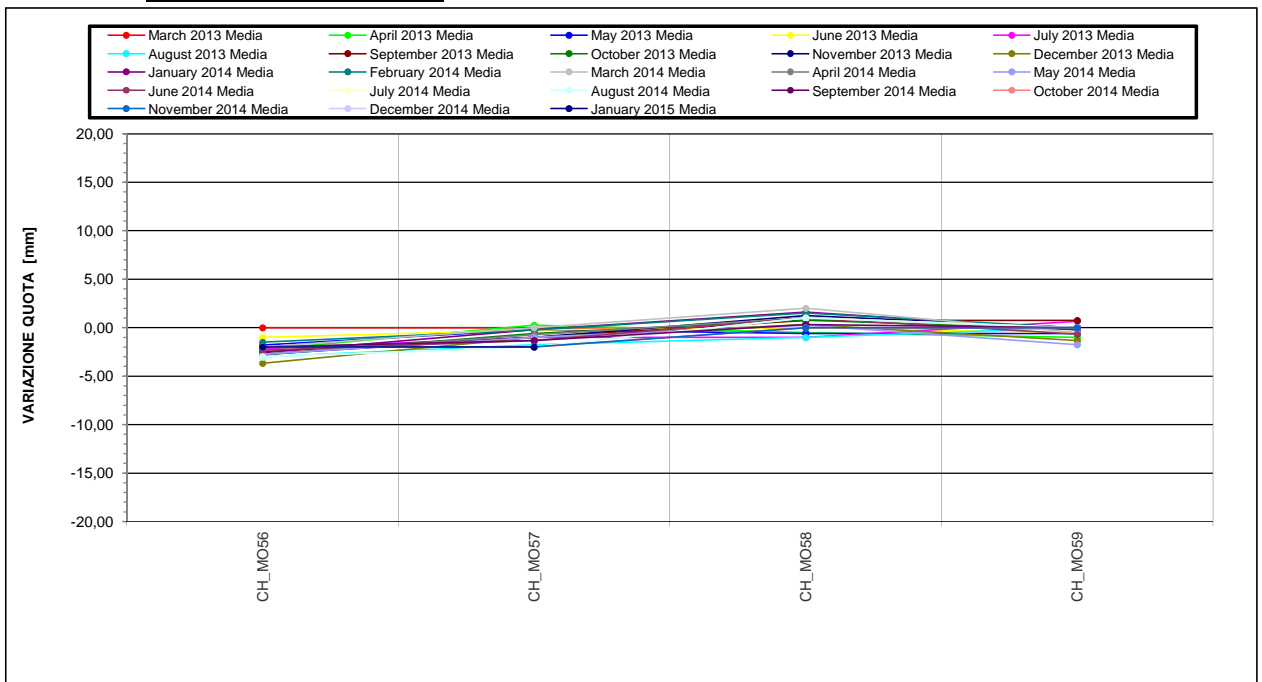


GRAFICO ISOCRONE





Ubicazione STAZIONE CHIAIA
Opera \ \ Supplementari \ 56-59
Tipo Strumento Mire Ottiche
Data posa in opera 28/03/2013
Data lettura di zero 28/03/2013

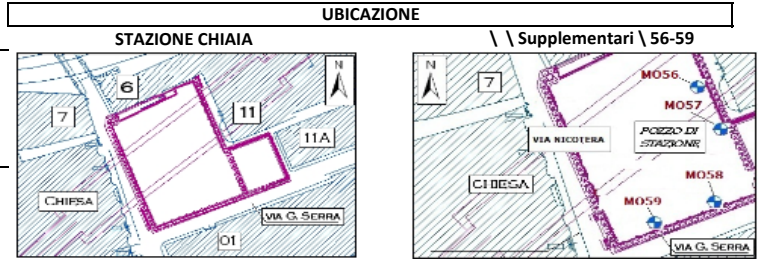


GRAFICO EST

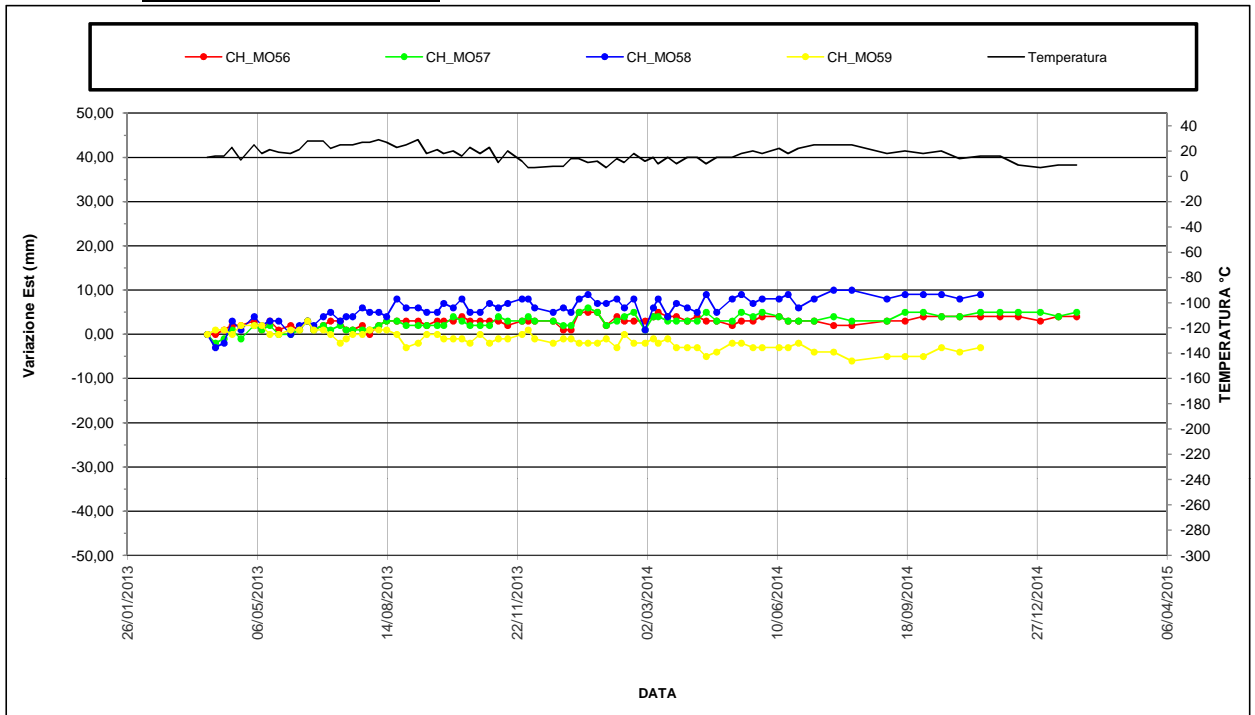
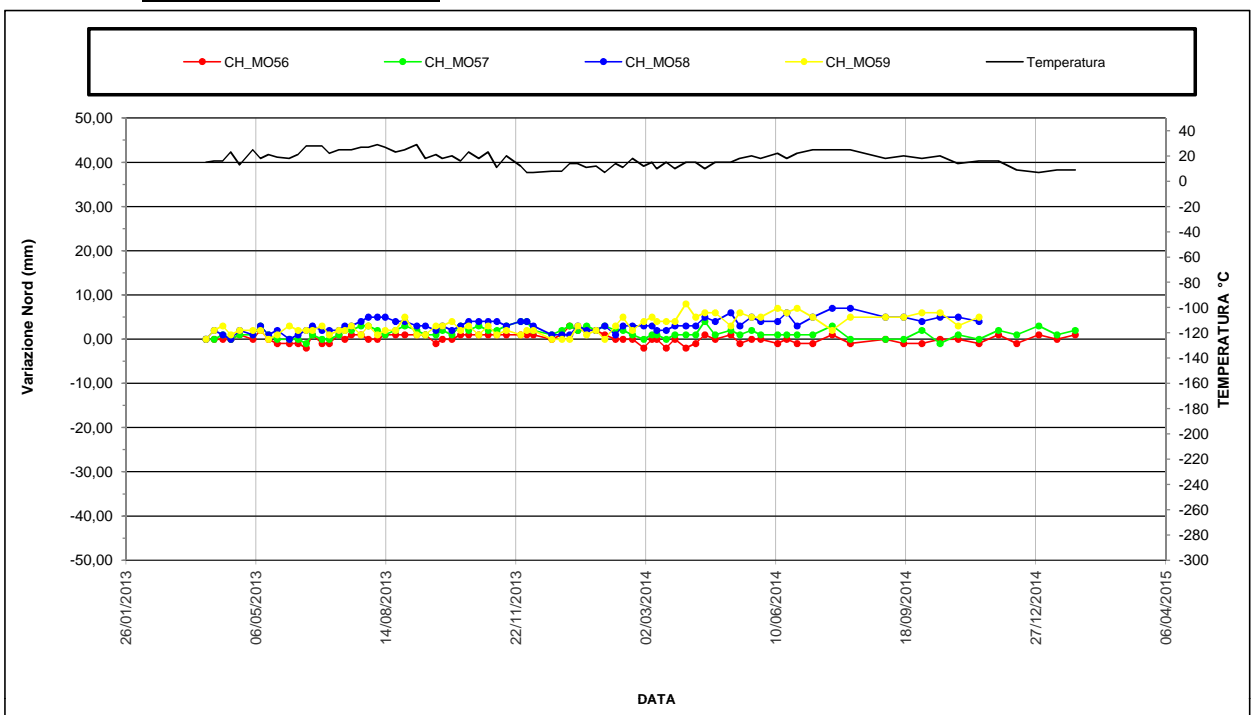


GRAFICO NORD





Ubicazione STAZIONE CHIAIA

Opera \ \ Supplementari \ 62-64

Tipo Strumento Mire Ottiche

Data posa in opera 28/03/2013

Data lettura di zero 28/03/2013

Ultima Misura 77 in data 26/01/2015

Letto. n°	DATA	CH_M062					CH_M063					CH_M064				
		Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]	Temp. Media [°C]	Quota [m]	Quota Spost. [mm]	Est Spost. [mm]	Nord Spost. [mm]
1	28/03/2013 11:00	15,0	9,4	0,0	0,0	0,0	15,0	9,4	0,0	0,0	0,0	15,0	9,0	0,0	0,0	0,0
2	03/04/2013 17:30	16,0	9,4	-3,0	-2,0	0,0	16,0	9,4	2,0	-1,0	-1,0	16,0	9,0	0,0	-1,0	1,0
3	10/04/2013 10:30	16,0	9,4	-3,0	-2,0	0,0	16,0	9,4	2,0	0,0	1,0	16,0	9,0	-1,0	-1,0	2,0
4	16/04/2013 15:00	23,0	9,4	-3,0	0,0	-1,0	23,0	9,4	3,0	0,0	-3,0	23,0	9,0	0,0	-1,0	1,0
5	23/04/2013 08:30	13,0	9,4	-3,0	-2,0	0,0	13,0	9,4	1,0	0,0	-1,0	13,0	9,0	-2,0	1,0	1,0
6	03/05/2013 14:30	25,0	9,4	-3,0	-1,0	-2,0	25,0	9,4	1,0	1,0	-2,0	25,0	9,0	0,0	0,0	0,0
7	09/05/2013 08:30	18,0	9,4	-2,0	-2,0	-1,0	18,0	9,4	1,0	0,0	0,0	18,0	9,0	-1,0	0,0	2,0
8	15/05/2013 14:30	21,0	9,4	-1,0	0,0	-1,0	21,0	9,4	1,0	1,0	-2,0	21,0	9,0	-1,0	0,0	0,0
9	22/05/2013 08:30	19,0	9,4	-2,0	-3,0	0,0	19,0	9,4	1,0	0,0	-2,0	19,0	9,0	-1,0	-1,0	1,0
10	31/05/2013 15:30	18,0	9,4	-4,0	-3,0	0,0	18,0	9,4	2,0	1,0	-1,0	18,0	9,0	-2,0	-1,0	2,0
11	07/06/2013 08:30	21,0	9,4	-3,0	-2,0	0,0	21,0	9,4	3,0	0,0	-2,0	21,0	9,0	-2,0	0,0	2,0
12	13/06/2013 14:30	28,0	9,4	-2,0	-2,0	-1,0	28,0	9,4	4,0	3,0	-2,0	28,0	9,0	-2,0	3,0	0,0
13	18/06/2013 09:00	28,0	9,4	-4,0	-3,0	0,0	28,0	9,4	2,0	1,0	0,0	28,0	9,0	-3,0	0,0	2,0
14	25/06/2013 18:00	28,0	9,4	-2,0	-3,0	0,0	28,0	9,4	3,0	2,0	-3,0	28,0	9,0	-3,0	0,0	2,0
15	01/07/2013 07:30	22,0	9,4	-1,0	-2,0	-1,0	22,0	9,4	3,0	1,0	-2,0	22,0	9,0	-3,0	1,0	0,0
16	08/07/2013 17:30	25,0	9,4	-1,0	-3,0	-1,0	25,0	9,4	4,0	1,0	-2,0	25,0	9,0	-2,0	-3,0	2,0
17	13/07/2013 07:30	25,0	9,4	-3,0	-2,0	0,0	25,0	9,4	4,0	-1,0	-2,0	25,0	9,0	-3,0	-1,0	3,0
18	18/07/2013 07:30	25,0	9,4	-1,0	-3,0	-1,0	25,0	9,4	4,0	-1,0	-2,0	25,0	9,0	-1,0	-1,0	3,0
19	25/07/2013 18:00	27,0	9,4	-1,0	-1,0	-1,0	27,0	9,4	4,0	0,0	-3,0	27,0	9,0	-3,0	0,0	2,0
20	31/07/2013 09:00	27,0	9,4	0,0	-3,0	-2,0	27,0	9,4	5,0	0,0	-3,0	27,0	9,0	-3,0	0,0	3,0
21	07/08/2013 09:00	29,0	9,4	0,0	-3,0	-2,0	29,0	9,4	5,0	0,0	-3,0	29,0	9,0	-4,0	-1,0	3,0
22	13/08/2013 09:00	27,0	9,4	-1,0	-3,0	-3,0	27,0	9,4	5,0	-1,0	-3,0	27,0	9,0	-5,0	-2,0	3,0
23	21/08/2013 07:30	23,0	9,4	-1,0	-2,0	0,0	23,0	9,4	4,0	2,0	-5,0	23,0	9,0	-2,0	1,0	3,0
24	28/08/2013 10:30	25,0	9,4	0,0	-3,0	0,0	25,0	9,4	5,0	1,0	-5,0	25,0	9,0	-2,0	-2,0	4,0
25	06/09/2013 17:30	29,0	9,4	-1,0	-4,0	-1,0	29,0	9,4	8,0	0,0	-5,0	29,0	9,0	-2,0	-2,0	3,0
26	13/09/2013 07:30	18,0	9,4	-1,0	-3,0	-2,0	18,0	9,4	5,0	3,0	-2,0	18,0	9,0	-3,0	-1,0	2,0
27	21/09/2013 09:30	21,0	9,4	-1,0	-2,0	0,0	21,0	9,4	5,0	1,0	-4,0	21,0	9,0	-3,0	0,0	4,0
28	26/09/2013 09:30	18,0	9,4	-1,0	-4,0	0,0	18,0	9,4	5,0	0,0	-5,0	18,0	9,0	-3,0	-2,0	3,0
29	03/10/2013 16:30	20,0	9,4	0,0	-3,0	0,0	20,0	9,4	5,0	1,0	-4,0	20,0	9,0	-4,0	-2,0	3,0
30	10/10/2013 08:30	16,0	9,4	0,0	-3,0	-1,0	16,0	9,4	5,0	2,0	-2,0	16,0	9,0	-4,0	-2,0	3,0
31	16/10/2013 14:30	23,0	9,4	-2,0	-4,0	0,0	23,0	9,4	5,0	1,0	-3,0	23,0	9,0	-5,0	-2,0	3,0
32	24/10/2013 08:30	18,0	9,4	-3,0	-3,0	-1,0	18,0	9,4	6,0	2,0	-2,0	18,0	9,0	-5,0	-1,0	2,0
33	31/10/2013 14:30	23,0	9,4	-2,0	-3,0	0,0	23,0	9,4	5,0	3,0	-3,0	23,0	9,0	-5,0	-2,0	3,0
34	07/11/2013 08:30	11,0	9,4	-2,0	-3,0	-2,0	11,0	9,4	5,0	3,0	-2,0	11,0	9,0	-5,0	-3,0	1,0
35	14/11/2013 14:30	20,0	9,4	-1,0	-4,0	0,0	20,0	9,4	5,0	2,0	-4,0	20,0	9,0	-5,0	-5,0	2,0
36	25/11/2013 15:30	12,0	9,4	-1,0	-3,0	0,0	12,0	9,4	6,0	3,0	-2,0	12,0	9,0	-5,0	-2,0	2,0
37	30/11/2013 08:30	7,0	9,4	-1,0	-3,0	0,0	7,0	9,4	6,0	2,0	-2,0	7,0	9,0	-5,0	-2,0	3,0
38	05/12/2013 08:30	7,0	9,4	-1,0	-3,0	0,0	7,0	9,4	5,0	3,0	-3,0	7,0	9,0	-5,0	-4,0	2,0
39	19/12/2013 13:00	8,0	9,4	-3,0	-3,0	0,0	8,0	9,4	4,0	3,0	-4,0	8,0	9,0	-7,0	-6,0	3,0
40	27/12/2013 09:00	8,0	9,4	-4,0	-2,0	1,0	8,0	9,4	3,0	2,0	-3,0	8,0	9,0	-6,0	-7,0	5,0
41	02/01/2014 07:30	14,0	9,4	-4,0	-1,0	1,0	14,0	9,4	2,0	2,0	-3,0	14,0	9,0	-8,0	-6,0	4,0
42	08/01/2014 14:30	14,0	9,4	-1,0	-6,0	1,0	14,0	9,4	6,0	2,0	-3,0	14,0	9,0	-6,0	-6,0	4,0
43	15/01/2014 08:30	11,0	9,4	-1,0	-4,0	0,0	11,0	9,4	6,0	1,0	-3,0	11,0	9,0	-5,0	-5,0	2,0
44	22/01/2014 14:30	12,0	9,4	-1,0	-5,0	1,0	12,0	9,4	7,0	3,0	-4,0	12,0	9,0	-4,0	-6,0	3,0
45	29/01/2014 08:30	7,0	9,4	-1,0	-4,0	0,0	7,0	9,4	7,0	1,0	-4,0	7,0	9,0	-5,0	-5,0	2,0
46	06/02/2014 14:30	14,0	9,4	-1,0	-4,0	1,0	14,0	9,4	7,0	0,0	-5,0	14,0	9,0	-5,0	-6,0	4,0
47	12/02/2014 08:30	11,0	9,4	-1,0	-4,0	2,0	11,0	9,4	8,0	0,0	-6,0	11,0	9,0	-5,0	-4,0	5,0
48	19/02/2014 14:30	18,0	9,4	-1,0	-5,0	0,0	18,0	9,4	8,0	-1,0	-7,0	18,0	9,0	-5,0	-5,0	4,0
49	28/02/2014 08:30	12,0	9,4	-1,0	-5,0	1,0					12,0	9,0	-5,0	-5,0	5,0	
50	06/03/2014 16:30	15,0	9,4	-2,0	-6,0	1,0	15,0	9,4	7,0	2,0	-4,0	15,0	9,0	-5,0	-5,0	5,0
51	10/03/2014 08:30	10,0	9,4	-2,0	-5,0	1,0	10,0	9,4	7,0	0,0	-6,0	10,0	9,0	-6,0	-5,0	4,0
52	17/03/2014 15:30	15,0	9,4	-2,0	-5,0	1,0	15,0	9,4	7,0	2,0	-5,0	15,0	9,0	-6,0	-4,0	3,0
53	24/03/2014 08:30	10,0	9,4	-1,0	-5,0	2,0	10,0	9,4	6,0	2,0	-4,0	10,0	9,0	-5,0	-6,0	6,0
54	01/04/2014 18:30	15,0	9,4	0,0	-6,0	3,0	15,0	9,4	6,0	2,0	-4,0	15,0	9,0	-5,0	-8,0	6,0
55	09/04/2014 08:30	15,0	9,4	-1,0	-6,0	1,0	15,0	9,4	7,0	3,0	-5,0	15,0	9,0	-6,0	-5,0	5,0
56	16/04/2014 08:30	10,0	9,4	-1,0	-7,0	2,0	10,0	9,4	7,0	1,0	-6,0	10,0	9,0	-6,0	-7,0	7,0
57	24/04/2014 08:30	15,0	9,4	-1,0	-7,0	1,0	15,0	9,4	7,0	0,0	-5,0	15,0	9,0	-6,0	-7,0	7,0
58	06/05/2014 08:30	15,0	9,4	-1,0	-4,0	0,0	15,0	9,4	7,0	0,0	-6,0	15,0	9,0	-7,0	-6,0	3,0
59	13/05/2014 08:30	18,0	9,4	-1,0	-6,0	0,0	18,0	9,4	7,0	2,0	-7,0	18,0	9,0	-7,0	-5,0	5,0
60	22/05/2014 08:30	20,0	9,4	-1,0	-8,0	0,0	20,0	9,4	7,0	2,0	-6,0	20,0	9,0	-6,0	-6,0	5,0
61	29/05/2014 08:30	18,0	9,4	-1,0	-7,0	0,0	18,0	9,4	7,0	1,0	-7,0	18,0	9,0	-6,0	-6,0	5,0
62	11/06/2014 08:30	22,0	9,4	-1,0	-7,0	0,0	22,0	9,4	7,0	1,0	-9,0	22,0	9,0	-6,0	-6,0	4,0
63	18/06/2014 08:30	18,0	9,4	-1,0	-5,0	0,0	18,0	9,4	7,0	1,0	-8,0	18,0	9,0	-6,0	-6,0	5,0
64	26/06/2014 08:30	22,0	9,4	-1,0	-7,0	0,0	22,0	9,4	7,0	2,0	-8,0	22,0	9,0	-6,0	-4,0	4,0
65	08/07/2014 08:30	25,0	9,4	0,0	-5,0	0,0	25,0	9,4	8,0	2,0	-8,0	25,0	9,0	-6,0	-5,0	5,0
66	23/07/2014 08:30	25,0	9,4	0,0	-3,0	-1,0	25,0	9,4	8,0	0,0	-10,0	25,0	9,0	-6,0	-6,0	3,0
67	06/08/2014 08:30	25,0	9,4	0,0	-7,0	0,0	25,0	9,4	8,0	-1,0	-8,0	25,0	9,0	-6,0	-6,0	5,0
68	02/09/2014 08:30	18,0	9,4	1,0	-5,0	0,0	18,0	9,4	8,0	-1,0	-8,0	18,0	9,0	-6,0	-6,0	5,0
69	16/09/2014 08:30	20,0	9,4	1,0	-5,0	0,0	20,0	9,4	8,0	0,0	-11,0	20,0	9,0	-6,0	-6,0	4,0
70	30/09/2014 08:30	18,0	9,4	-1,0	-7,0	0,0	18,0	9,4	8,0	1,0	-10,0	18,0	9,0	0,0	-1,0	8,0
71	14/10/2014 08:30	20,0	9,4	-1,0	-8,0	0,0	20,0	9,4	8,0	0,0	-11,0	20,0	9,0	-2,0	-1,0	5,0
72	28/10/2014 08:30	14,0	9,4	-1,0	-8,0	0,0	14,0	9,4	8,0	2,0	-10,0	14,0	9,0	-2,0	-4,0	4,0
73	13/11/2014 08:30	16,0	9,4	-1,0	-6,0	0,0	16,0	9,4	8,0	0,0	-11,0	16,0	9,0	-2,0	-1,0	4,0
74	28/11/2014 08:30						16,0	9,4	8,0	0,0						



Ubicazione STAZIONE CHIAIA
Opera \ \ Supplementari \ 62-64
Tipo Strumento Mire Ottiche
Data posa in opera 28/03/2013
Data lettura di zero 28/03/2013

UBICAZIONE

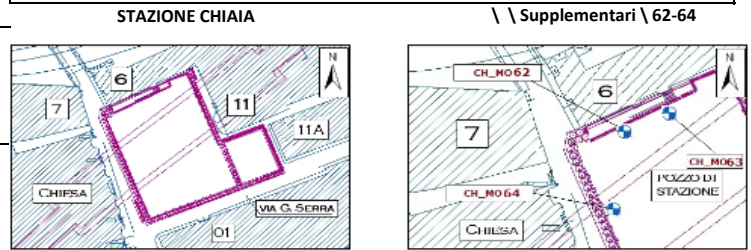


GRAFICO QUOTA

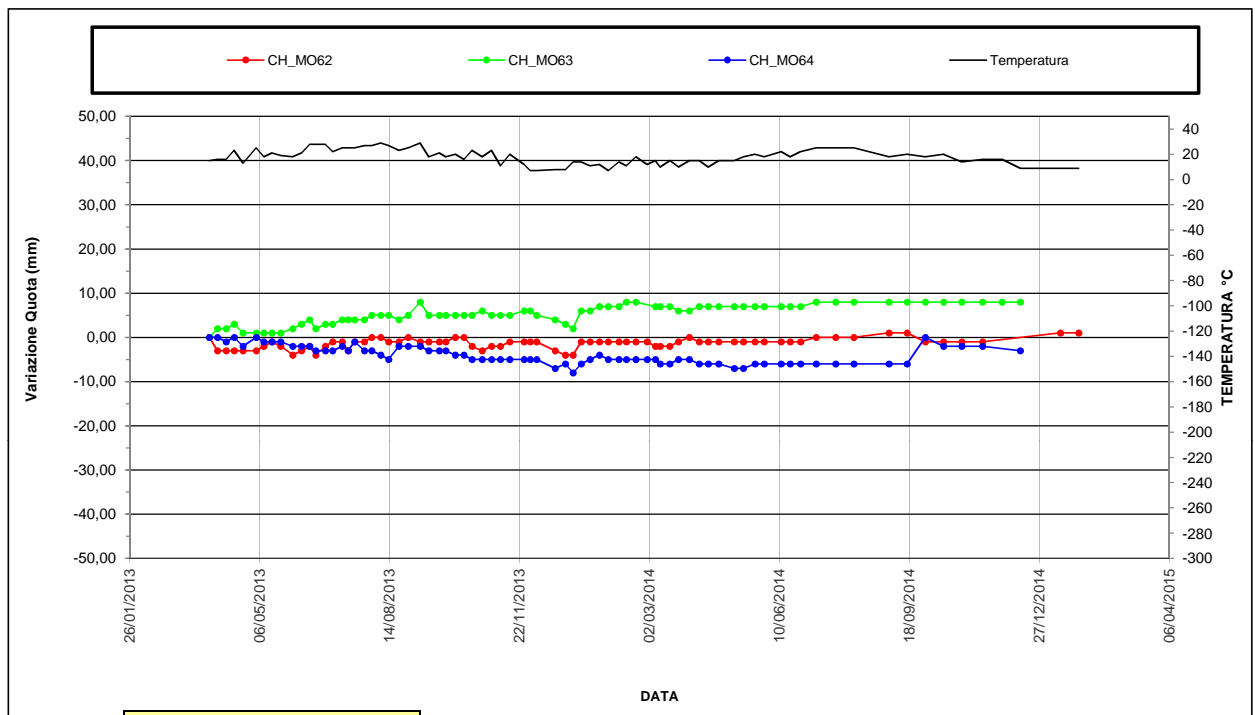
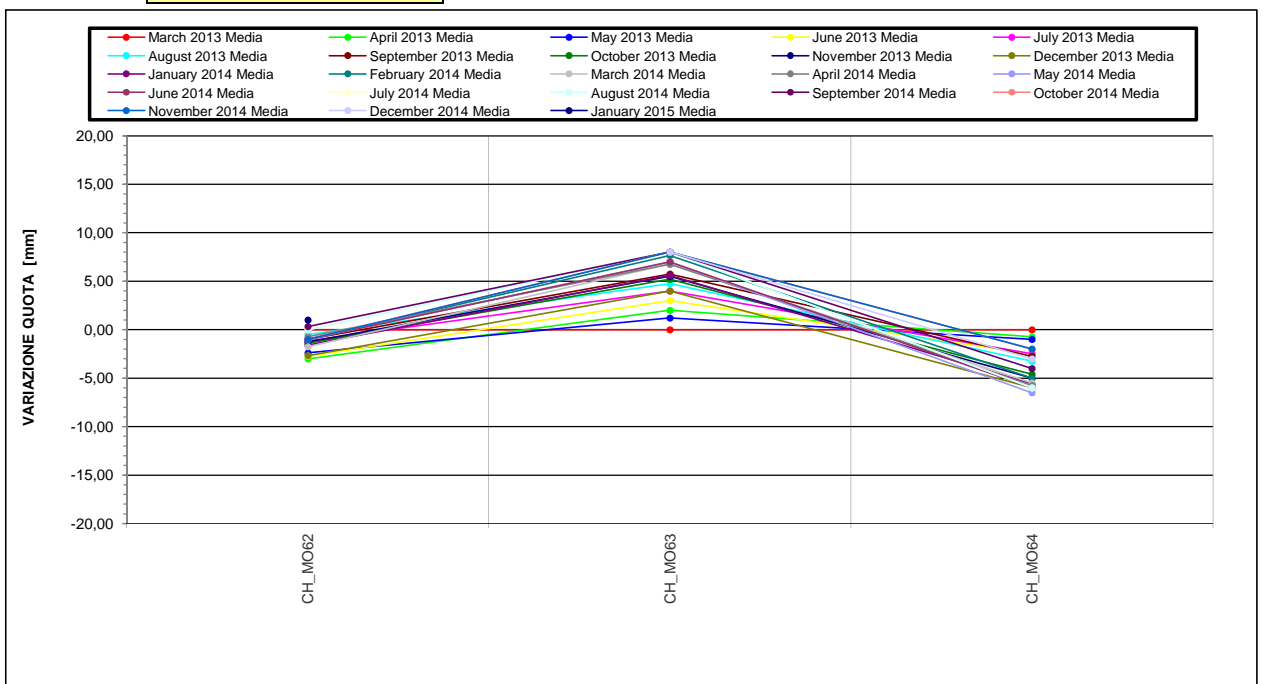


GRAFICO ISOCRONE





Ubicazione STAZIONE CHIAIA
Opera \ \ Supplementari \ 62-64
Tipo Strumento Mire Ottiche
Data posa in opera 28/03/2013
Data lettura di zero 28/03/2013

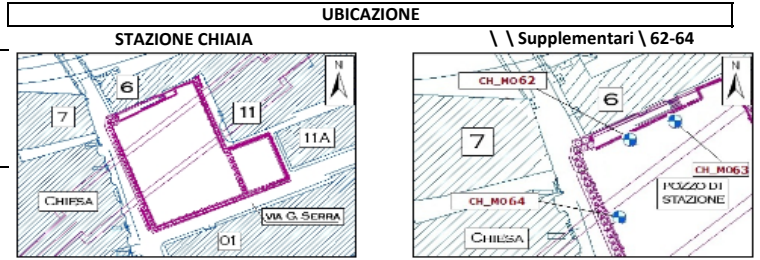


GRAFICO EST

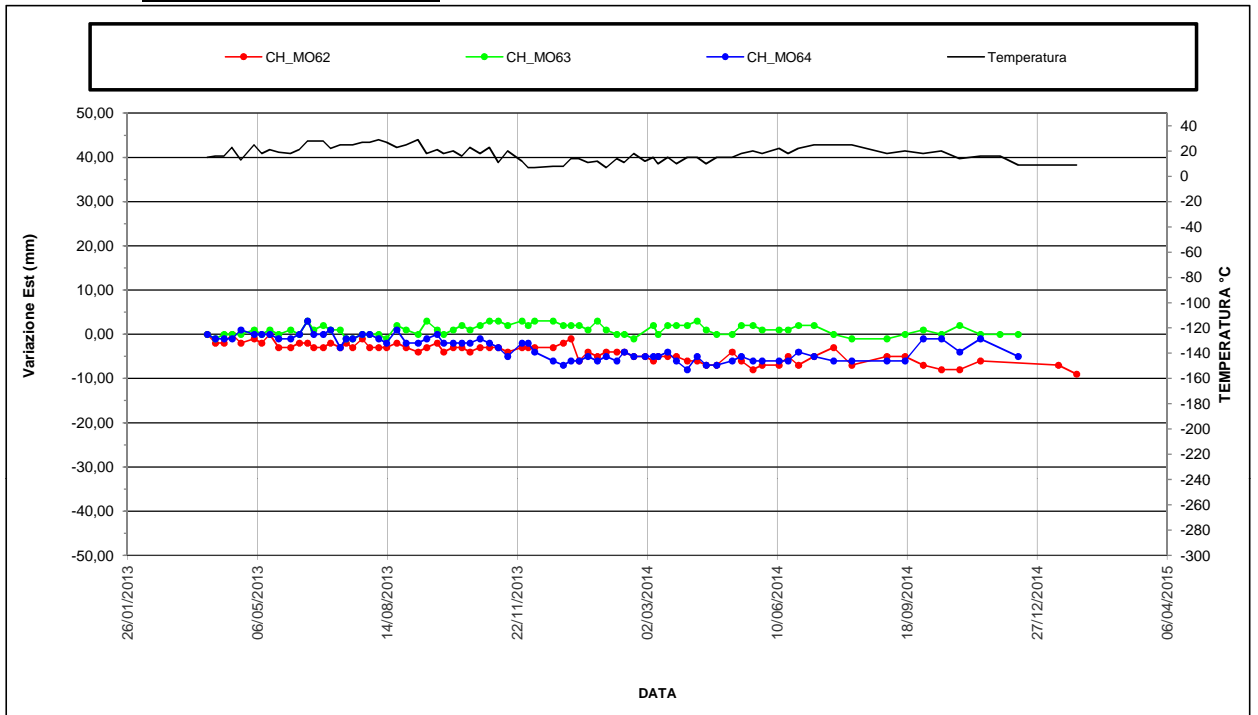
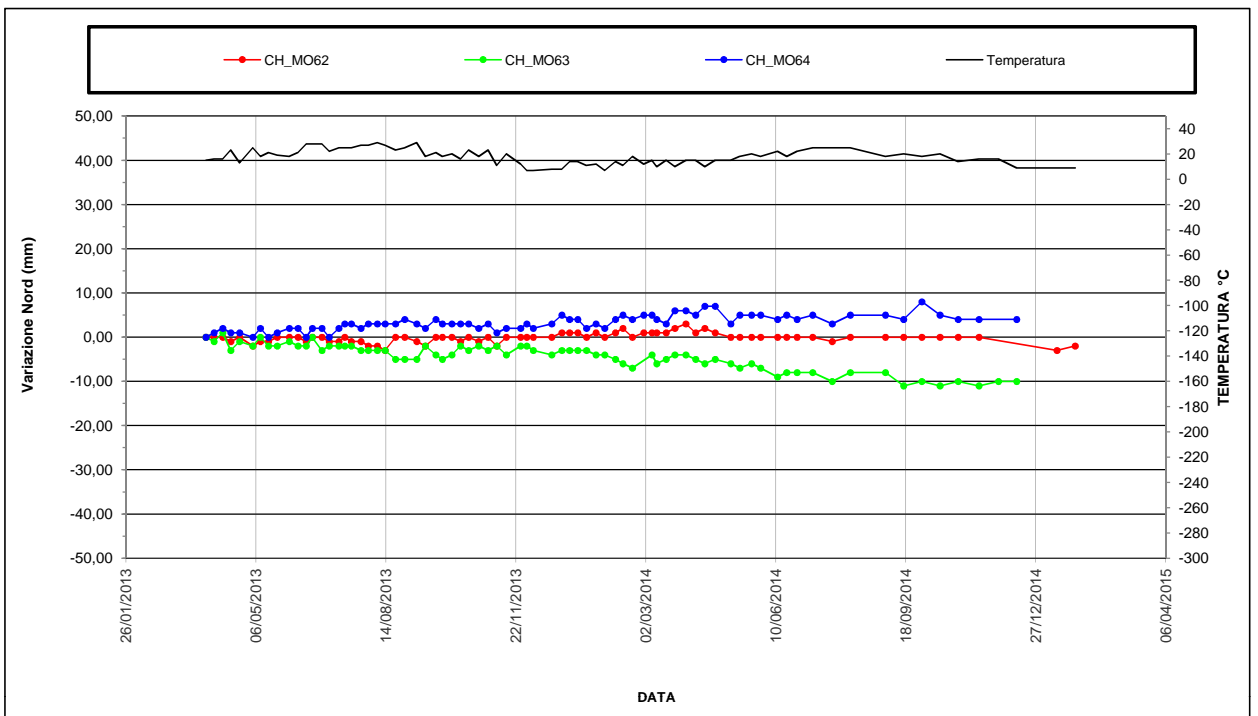


GRAFICO NORD



METROPOLITANA LINEA 6 - RESOCONTO MANUTENZIONE TREESSE ENGINEERING S.R.L.









nov-14

SAN PASQUALE

COD.STAZIONE	COD. STRUM.	TIPOLOGIA STRUM.	METRI da p.c.	10/11	11/11	12/11	13/11	14/11	Esito	TOT MESE	TOTALE
SP	SP_PZ1_S	PIEZ. CASAGRANDE	15							0	2
	SP_PZ1_P	PIEZ. CASAGRANDE	30							0	1
SP (nuova installazione)	SP_PZ1_S	PIEZ. CASAGRANDE	15							0	3
	SP_PZ1_P	PIEZ. CASAGRANDE	30							0	3
SP	SP_PZ2_S	PIEZ. CASAGRANDE	15							0	6
	SP_PZ2_P	PIEZ. CASAGRANDE	30							0	6
SP	SP_PZ3_S	PIEZ. CASAGRANDE	15							0	6
	SP_PZ3_P	PIEZ. CASAGRANDE	30							0	6
SP	SP_PZ4_S	PIEZ. CASAGRANDE	15							0	4
	SP_PZ4_P	PIEZ. CASAGRANDE	30							0	5
SP	SP_PZ5_S	PIEZ. CASAGRANDE	15							0	6
	SP_PZ5_P	PIEZ. CASAGRANDE	30							0	6
SP	SP_PZ6_S	PIEZ. CASAGRANDE	15							0	5
	SP_PZ6_P	PIEZ. CASAGRANDE	30							0	5
SP	SP_PZ7_S	PIEZ. CASAGRANDE	15							0	2
	SP_PZ7_P	PIEZ. CASAGRANDE	30							0	2
SP	SP_PZ8_S	PIEZ. CASAGRANDE	40							0	2
	SP_PZ8_P	PIEZ. CASAGRANDE	43							0	2
SP	SP_PZ9_S	PIEZ. CASAGRANDE	15							0	2
	SP_PZ9_P	PIEZ. CASAGRANDE	30							0	2
SP	SP_PZ10_S	PIEZ. CASAGRANDE	40							0	2
	SP_PZ10_P	PIEZ. CASAGRANDE	43							0	2
SP	SP_PZ11_S	PIEZ. CASAGRANDE	40							0	2
	SP_PZ11_P	PIEZ. CASAGRANDE	43							0	2
SP	SP_PZ12_S	PIEZ. CASAGRANDE	15							0	2
	SP_PZ12_P	PIEZ. CASAGRANDE	30							0	2
SP	SP_PZ13_S	PIEZ. CASAGRANDE	15							0	2
	SP_PZ13_P	PIEZ. CASAGRANDE	30							0	2
SP	SP_PZ14_S	PIEZ. CASAGRANDE	40							0	2
	SP_PZ14_P	PIEZ. CASAGRANDE	43							0	2
SP	SP_PZ15_S	PIEZ. CASAGRANDE	22,5		1				P	1	3
	SP_PZ15_P	PIEZ. CASAGRANDE	45,5		1				P	1	3
SP	SP_PZ16_S	PIEZ. CASAGRANDE	22		1				P	1	4
	SP_PZ16_P	PIEZ. CASAGRANDE	39,5		1				P	1	4
SP	SP_IN1	INCLINOMETRO	20/54							0	2
SP	SP_IN1_1	INCLINOMETRO	44/44							0	4
SP	SP_EI2/ES2	ESTENSO-INCLINOMETRO	54/54							0	5
SP	SP_IN3	INCLINOMETRO	45/45							0	6
SP	SP_IN4	INCLINOMETRO	0/54							0	0
SP	SP_IN4_1	INCLINOMETRO	50/50							0	5
SP	SP_EI5/ES5	ESTENSO-INCLINOMETRO	54/54				1		P	1	3
SP	SP_IN6	INCLINOMETRO	35/54							0	3
SP	SP_IN6_1	INCLINOMETRO	48/48							0	5
SP	SP_IN_P3	INCLINOMETRO	0/43							0	0
SP	SP_IN_P3_1	INCLINOMETRO	16/33							0	5
SP	SP_IN_P5	INCLINOMETRO	48/48							0	7
SP	SP_IN_P12	INCLINOMETRO	37/45							0	1
SP	SP_IN_P12_1	INCLINOMETRO	43/43							0	3
SP	SP_IN_P13	INCLINOMETRO	49/49							0	6
SP	SP_IN_P25	INCLINOMETRO	0/51							0	0
SP	SP_IN_P26	INCLINOMETRO	45/45							0	11
SP	SP_IN_P61	INCLINOMETRO	0/51							0	0
SP	SP_IN_P64	INCLINOMETRO	28/46							0	6
SP	SP_IN_P74	INCLINOMETRO	42/42	1					P	1	7
SP	SP_IN_P75	INCLINOMETRO	47/47							0	6
SP	SP_IN_P83	INCLINOMETRO	47/47				1		P	1	8
SP	SP_IN_P84	INCLINOMETRO	35/51							0	1
SP	SP_IN_P84_1	INCLINOMETRO	47/47				1		P	1	7

LEGENDA

	IN ROSSO STRUMENTO FUORI USO (per il quale è inutile programmare attività di manutenzione e monitoraggio)
	IN GIALLO STRUMENTO A FUNZIONALITA' RIDOTTA
	IN VERDE STRUMENTO SOSTITUITO
	ESITO POSITIVO
	ESITO NEGATIVO
	VIDEOISPEZIONE ESEGUITA

NOTE

Gli strumenti sottoposti a manutenzione nel periodo indicato, dopo il trattamento di spurgo, lavaggio a pressione, verifica dell'accessibilità tubi di misura, hanno migliorato la loro funzionalità. Superando le prove con esito positivo.

Per i piezometri tipo Casagrande sotto riportati, si evince la scarsa comunicazione fra i tubi di misura, che indica un ridotto ricircolo dell'acqua all'interno della cella. Dalla risposta strumentale ottenuta durante le fasi di manutenzione, si suppone un funzionamento assimilabile più a piezometri tubo aperto che non a celle tipo Casagrande, ciò potrebbe comportare tempi di risposta più lunghi. Tuttavia questi strumenti continuano a fornire misure correlabili con gli altri strumenti funzionanti, continueranno ad essere regolarmente inseriti nel programma di monitoraggio e di manutenzione.

Cantiere San Pasquale

SP_PZ1_P

SP_PZ1_S

Cantiere Arco Mirelli

AM_PZ6_S

AM_PZ5_S

Tratta Mergellina-Arco Mirelli

GL_MA_PZ4