





LINEA 6 – METROPOLITANA DI NAPOLI

				(PRIMA EMISSIONE) – APRILE 2014	APR 14														
Albinati	De Risi	Manferlotti	Di Luccio																
REDATTO	CONTROLLATO	APPROVATO	AUTORIZZATO	DESCRIZIONE REVISIONE DOCUMENTO	DATA	REV													
 Ansaldo STS A Finmeccanica Company CONCESSIONARIA				PROG		IMP		NUMERO											
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				CODICE PRODOTTO		AREA		TIPO		FASE									
 COMUNE DI NAPOLI CONCEDENTE						2		C				E	S						
TITOLO DOCUMENTO:												LINEA 6 METROPOLITANA DI NAPOLI PROGETTO ESECUTIVO OPERE CIVILI – MONITORAGGIO GEOTECNICO GEOREFERENZIATO REPORT DELLE MISURE (INTERNO) – STAZIONE CHIAIA							
A termini di legge è rigorosamente vietato riprodurre e comunicare a terzi il contenuto del presente documento						EMITTENTE						CODICE ENTE							
						 METROPOLITANA DI NAPOLI S.p.A. RESPONSABILE PROGETTAZIONE OPERE CIVILI						A.T.I. LM6							
						 tre esse ENGINEERING						Monitoraggio delle gallerie e prove di laboratorio per la qualifica dei materiali e loro controllo Monitoraggio opere civili e monitoraggio ambientale							
						FORMATO		SCALA		FOGLIO									
						A4		/		1 DI 148									

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	144

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;
- Inclinatori ed estenso-inclinatori, realizzati in prossimità delle paratie del pozzo di stazione;
- Inclinatori, 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.

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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.

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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 Inclinometri

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

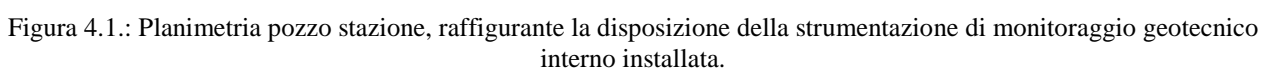
CH_MO45-74


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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.

strumentazione di monitoraggio interna



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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).

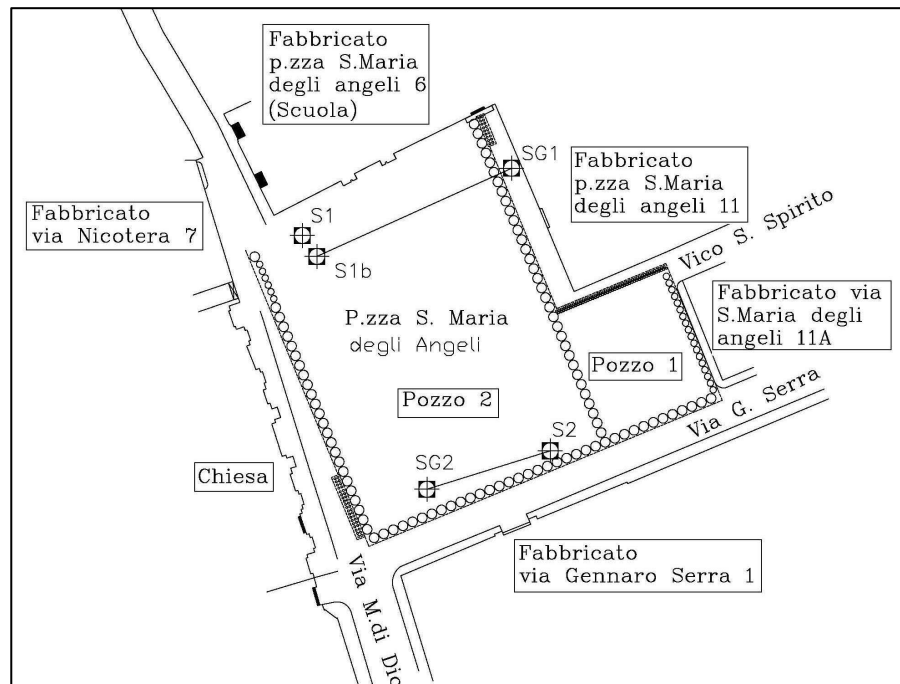


Figura 5.1.: Planimetria pozzo stazione, raffigurante la collocazione di alcuni sondaggi effettuati per la campagna propedeutica alla stesura del Progetto Definitivo (2005).

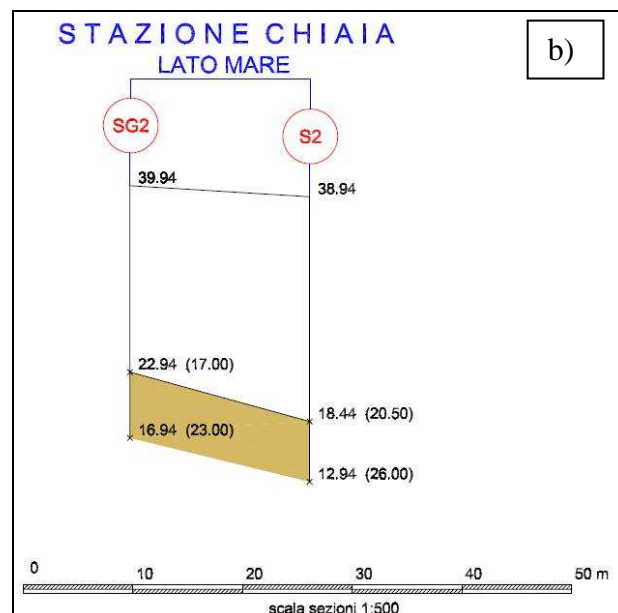
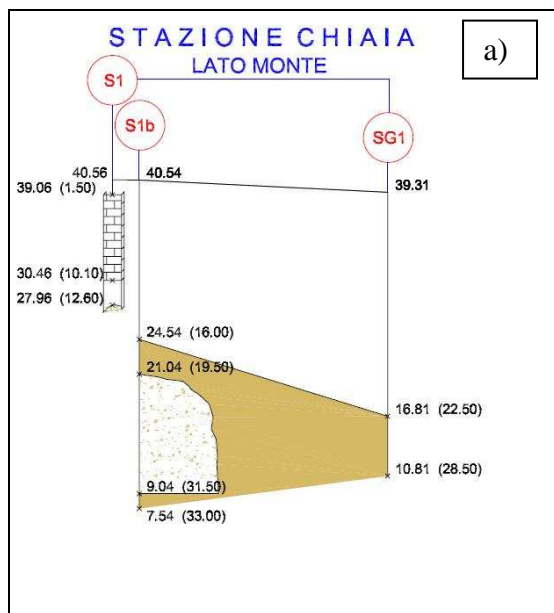



Figura 5.2a e 5.2b :: Andamento del tetto del Tufo (lato monte e lato mare) - Stralcio da Elaborato grafico Progetto Definitivo Stazione Chiaia allegato alla Relazione Geologica (cod. doc.: LM67F2C0159 – ANNO 2005).


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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 degli scavi per l'approfondimento del pozzo stazione, la conclusione dei lavori per l'allargamento della galleria lato san Pasquale e il prosieguo degli scavi per l'allargo lato Municipio. 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.

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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'

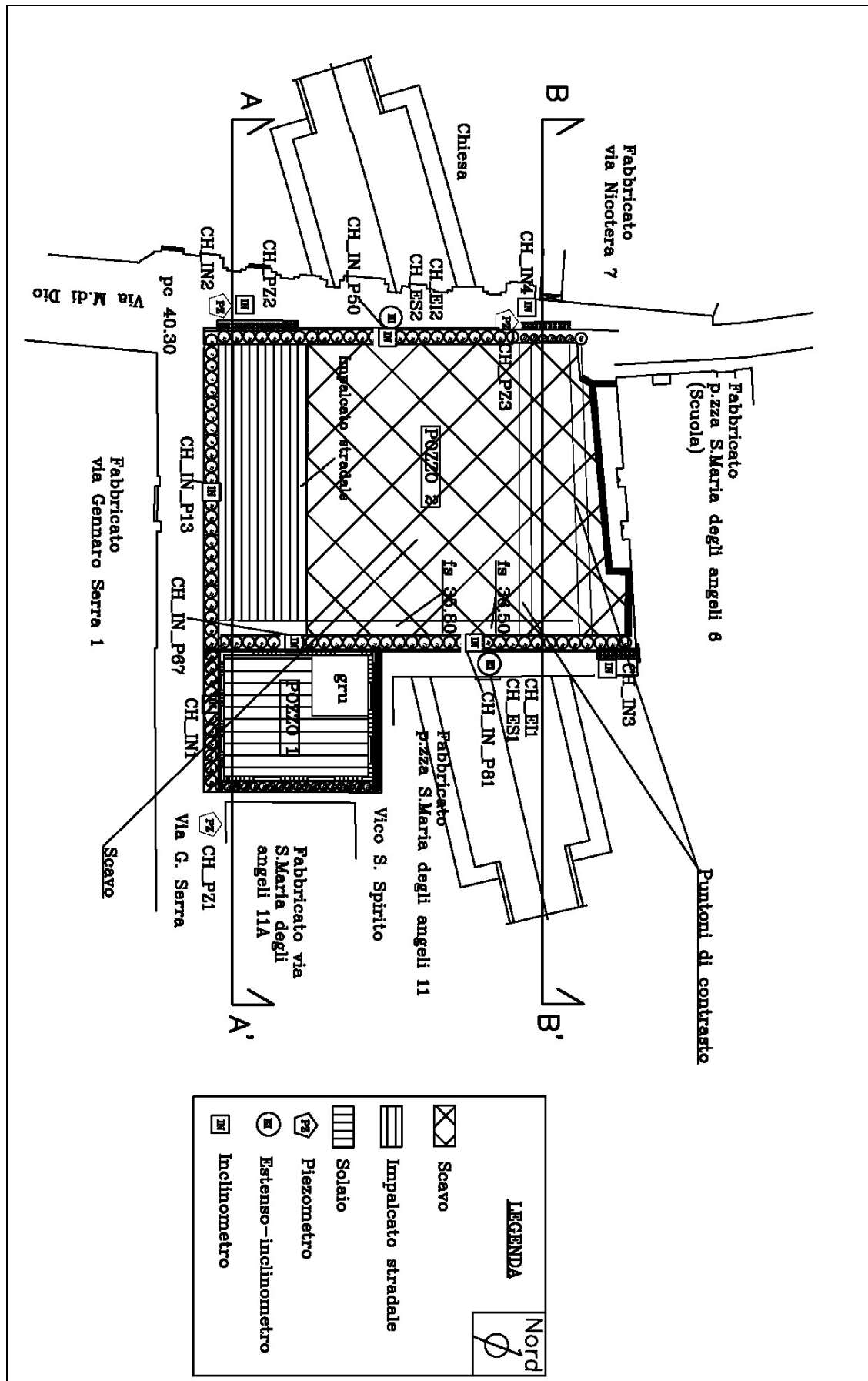


Figura 6.1.: Planimetria pozzo stazione, raffigurante la suddivisione in aree di lavoro.

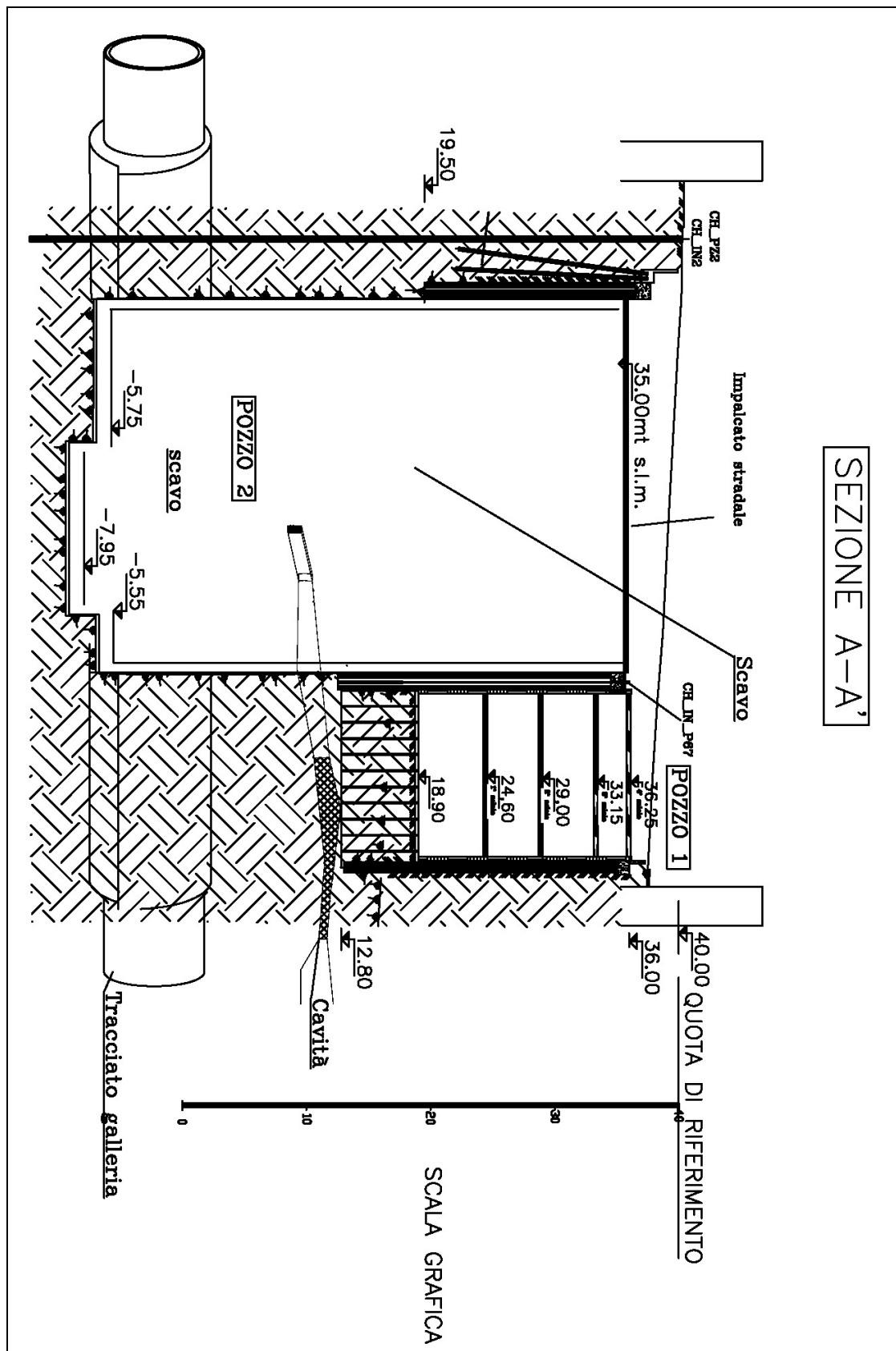


Figura 6.2.: Sezione A-A' pozzo stazione, raffigurante la suddivisione in aree di lavoro.

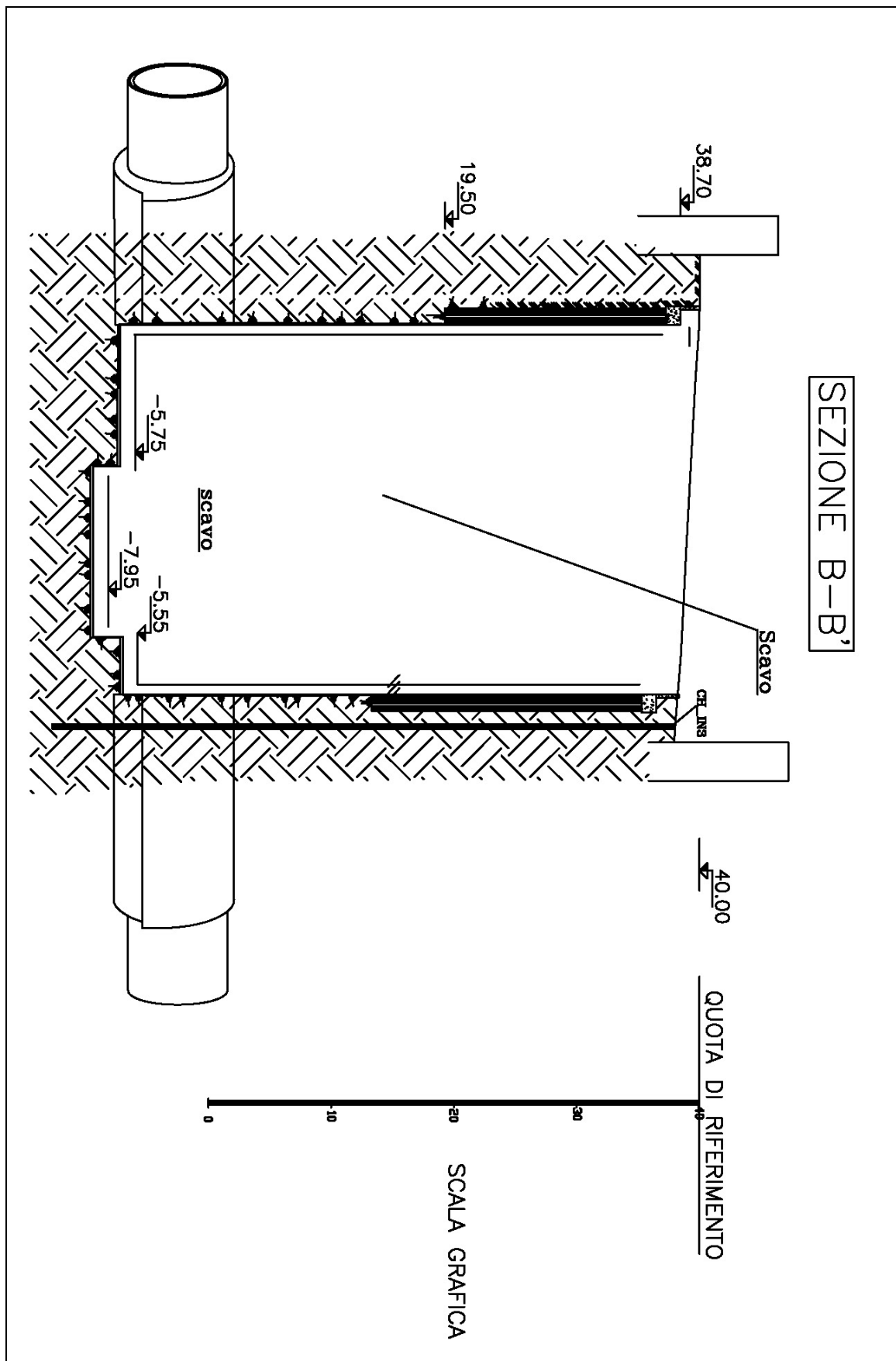



Figura 6.3.: Sezione B-B' pozzo stazione, raffigurante la suddivisione in aree di lavoro.

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7. MISURE GEOTECNICHE – INCLINOMETRICHE

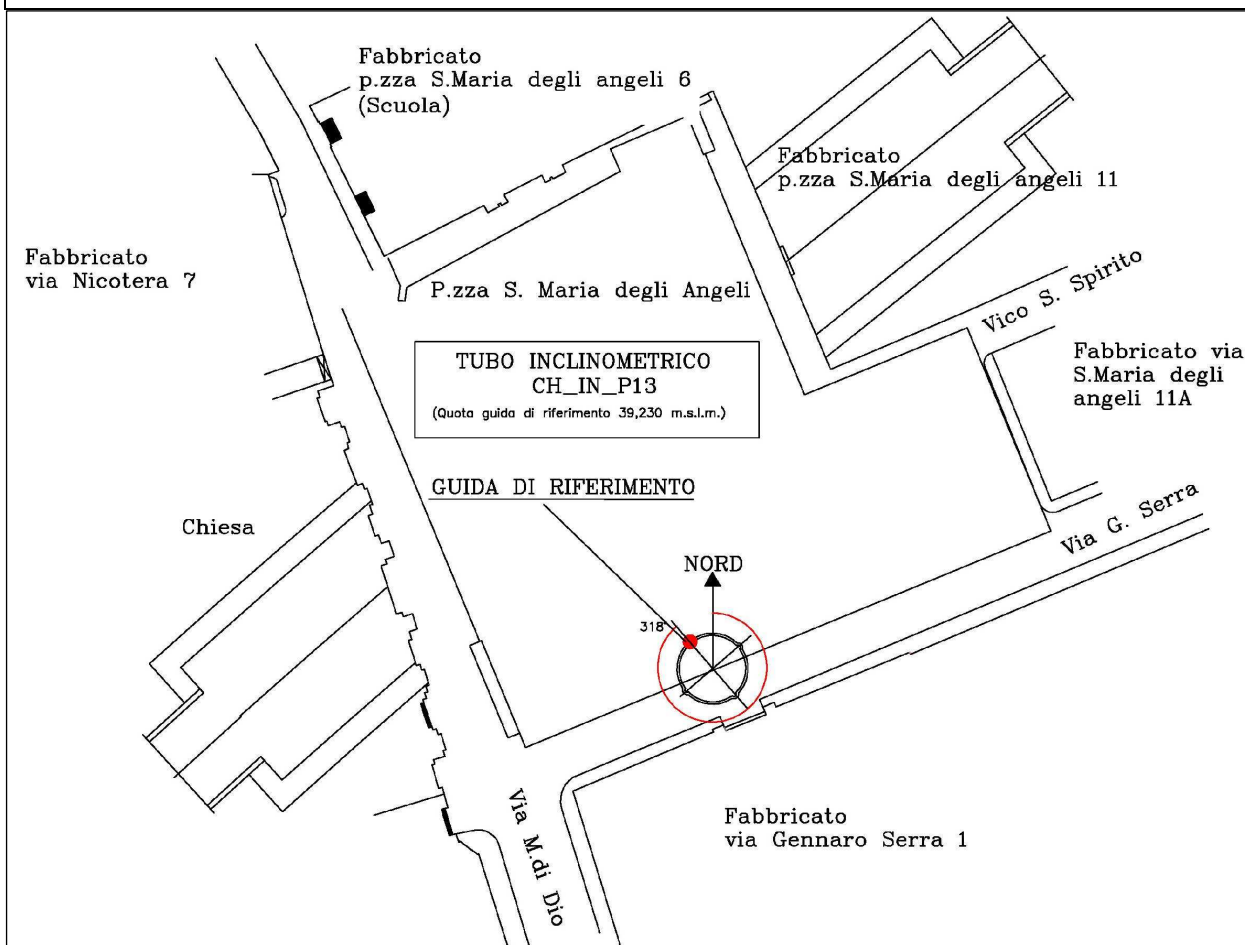
Gli inclinometri sono strumenti di controllo dei movimenti e delle deformazioni dei terreni nonché delle variazioni di assetto delle strutture. I rilievi consistono nella misura della variazione delle inclinazioni rispetto alla verticale di punti significativi, dall'inclinazione, mediante integrazione 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 **86** in data **18/04/2014 12.07**

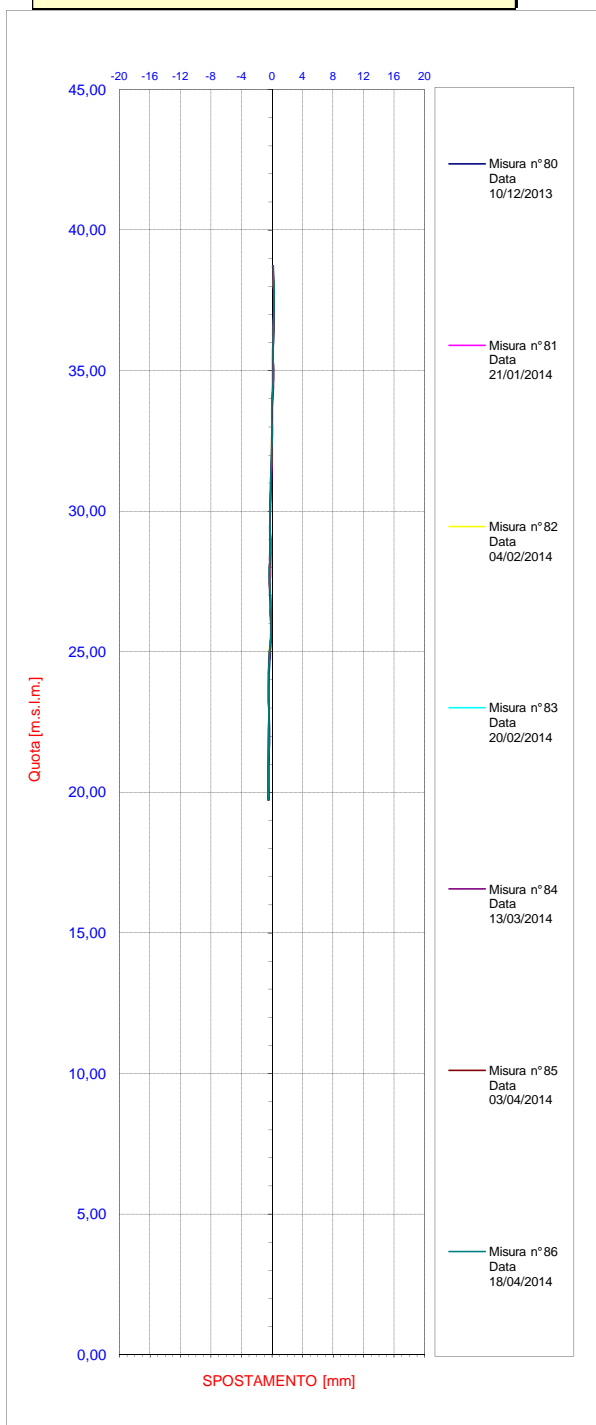
SPOSTAMENTI LOCALI (mm)				
PROFONDITA (m.s.l.m.)	EST	NORD	RISULTANTE	AZIMUT
38,7	0,151	0,097	0,180	57,250
37,7	0,232	-0,105	0,255	114,368
36,7	0,213	-0,245	0,324	139,010
35,7	0,110	-0,259	0,282	157,014
34,7	0,178	-0,173	0,248	134,258
33,7	-0,057	-0,110	0,124	207,548
32,7	0,006	-0,038	0,039	170,791
31,7	-0,083	-0,209	0,225	201,731
30,7	-0,214	-0,092	0,233	246,851
29,7	-0,274	-0,118	0,298	246,785
28,7	-0,217	0,053	0,223	283,820
27,7	-0,369	0,014	0,370	272,118
26,7	-0,179	0,068	0,191	290,738
25,7	-0,125	-0,048	0,134	249,031
24,7	-0,378	0,321	0,496	310,330
23,7	-0,450	0,263	0,521	300,328
22,7	-0,405	0,418	0,582	315,883
21,7	-0,469	0,401	0,617	310,515
20,7	-0,480	0,531	0,715	317,869
19,7	-0,491	0,468	0,679	313,636

SPOSTAMENTI INTEGRALI (mm)				
PROFONDITA (m.s.l.m.)	EST	NORD	RISULTANTE	AZIMUT
38,7	-3,303	1,238	3,527	290,546
37,7	-3,454	1,141	3,637	288,274
36,7	-3,686	1,246	3,891	288,672
35,7	-3,898	1,490	4,174	290,919
34,7	-4,009	1,750	4,374	293,579
33,7	-4,186	1,923	4,607	294,670
32,7	-4,129	2,032	4,602	296,207
31,7	-4,135	2,071	4,625	296,599
30,7	-4,052	2,280	4,649	299,365
29,7	-3,838	2,372	4,511	301,716
28,7	-3,563	2,489	4,347	304,935
27,7	-3,347	2,436	4,140	306,047
26,7	-2,978	2,422	3,838	309,129
25,7	-2,799	2,355	3,657	310,074
24,7	-2,674	2,402	3,595	311,937
23,7	-2,296	2,081	3,099	312,194
22,7	-1,846	1,818	2,591	314,566
21,7	-1,440	1,400	2,009	314,184
20,7	-0,971	0,999	1,393	315,808
19,7	-0,491	0,468	0,679	313,636

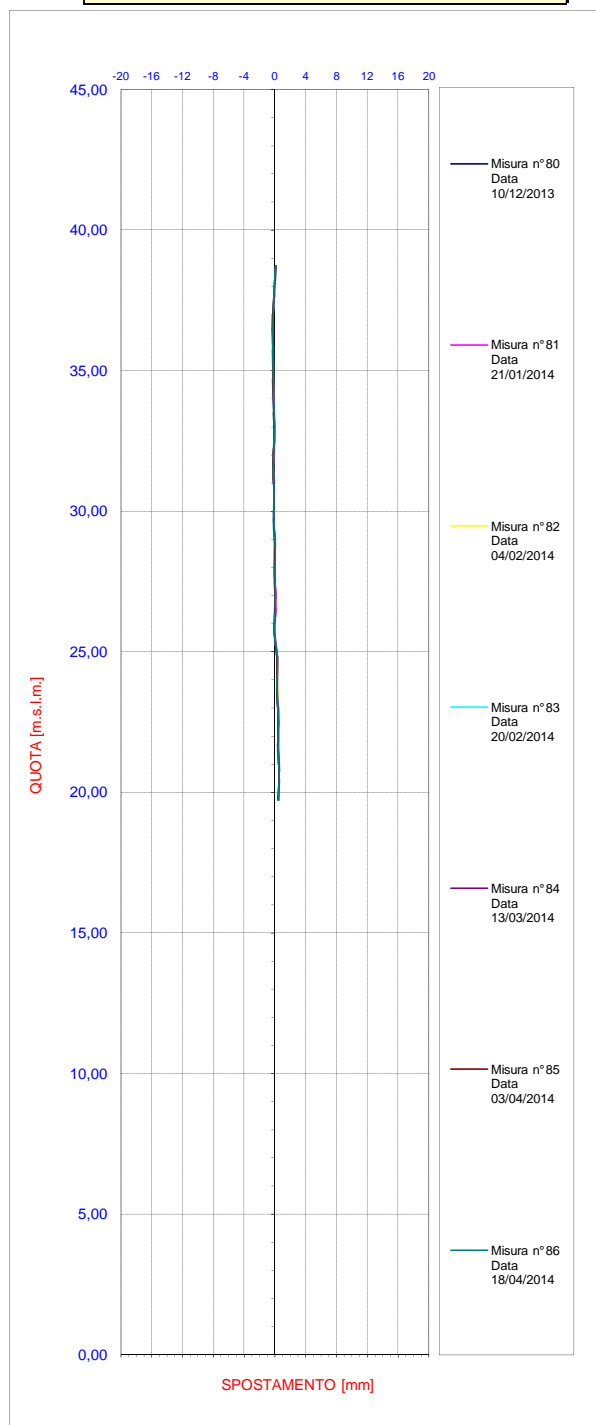
Ubicazione **STAZIONE CHIAIA**
Tipo Strumento **Tubo inclinometrico**
Nome tubo **CH_IN_P13**
Azimut di riferimento **318**
Quota guida rif. (m.s.l.m.) **39,23**
Data lettura di zero **22/12/2010**
Data posa in opera **06/12/2010**

Ultima Misura **86** in data **18/04/2014 12.07**

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



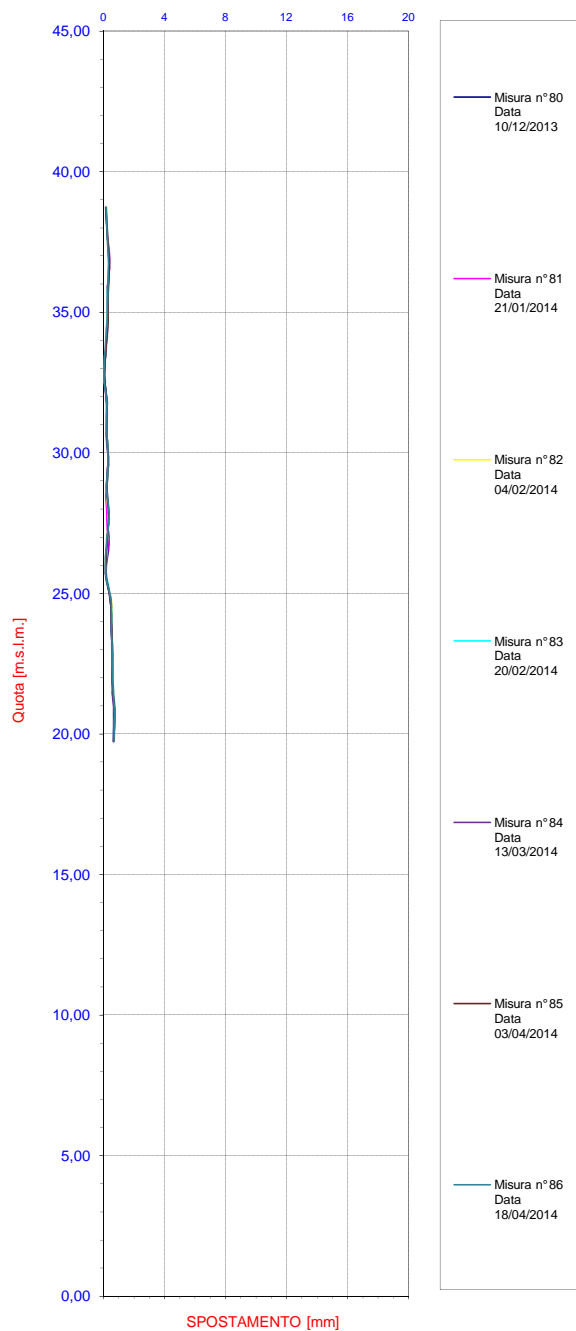
Spostamenti Differenziali Locali
SUD - (valori negativi) / NORD + (valori positivi)



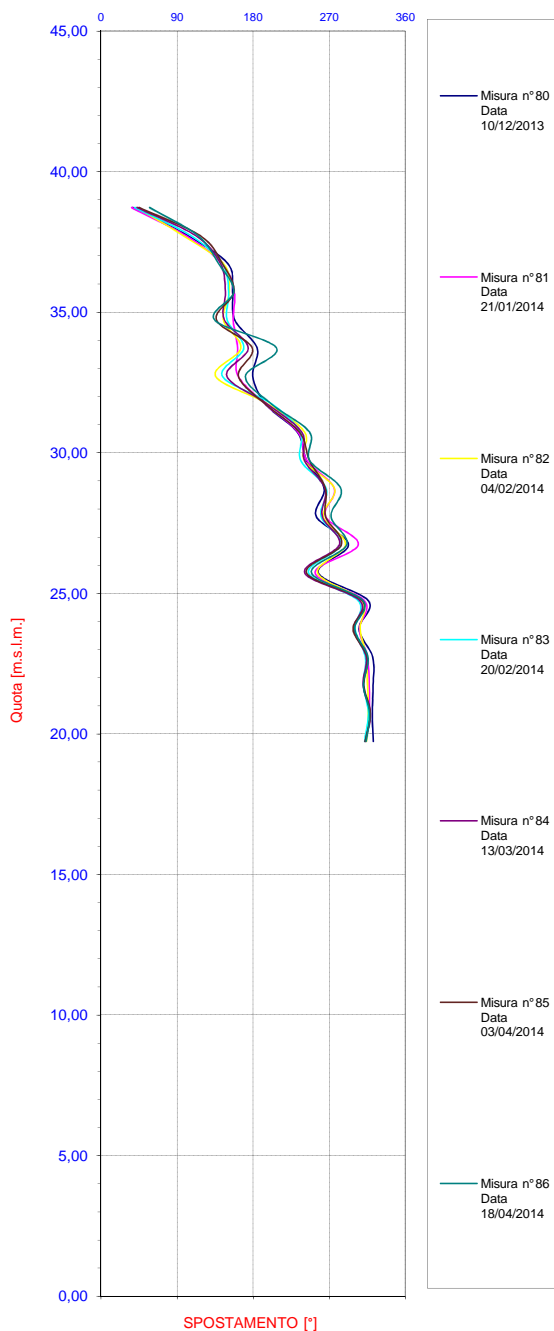
Ubicazione **STAZIONE CHIAIA**
Tipo Strumento **Tubo inclinometrico**
Nome tubo **CH_IN_P13**
Azimut di riferimento **318**
Quota guida rif. (m.s.l.m.) **39,23**
Data lettura di zero **22/12/2010**
Data posa in opera **06/12/2010**

Ultima Misura **86** in data **18/04/2014 12.07**

**Spostamenti Differenziali Locali
Risultante**



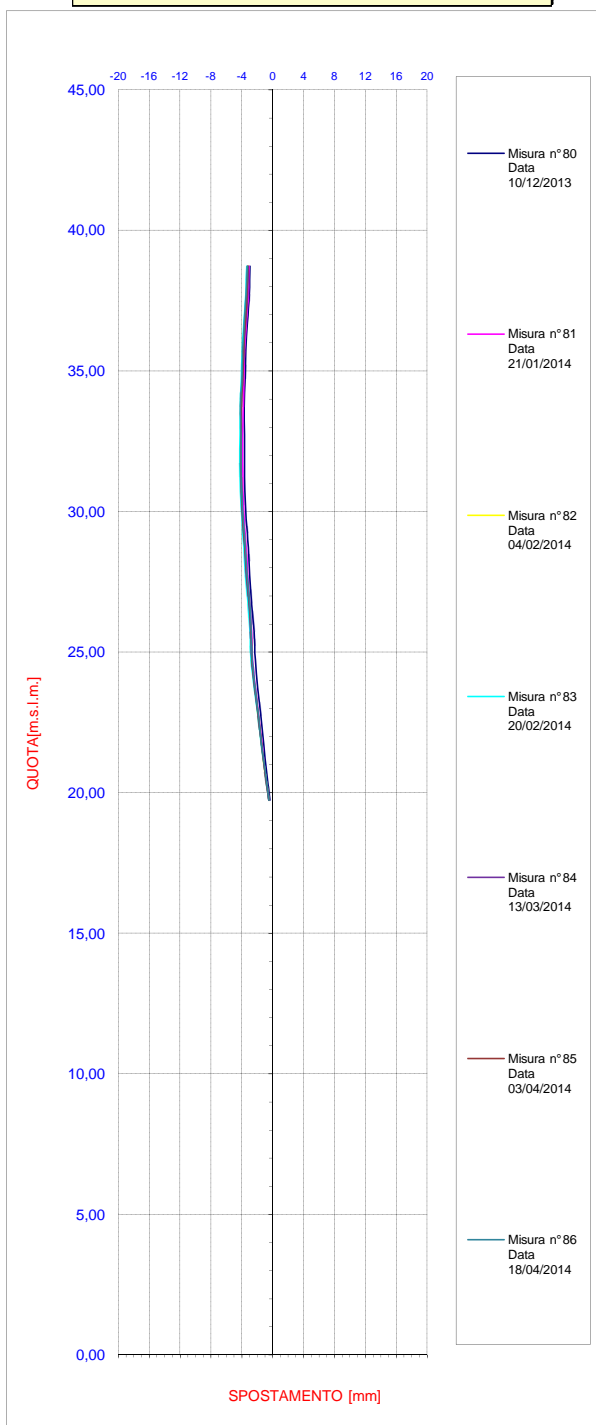
**Spostamenti Differenziali Locali
Azimut**



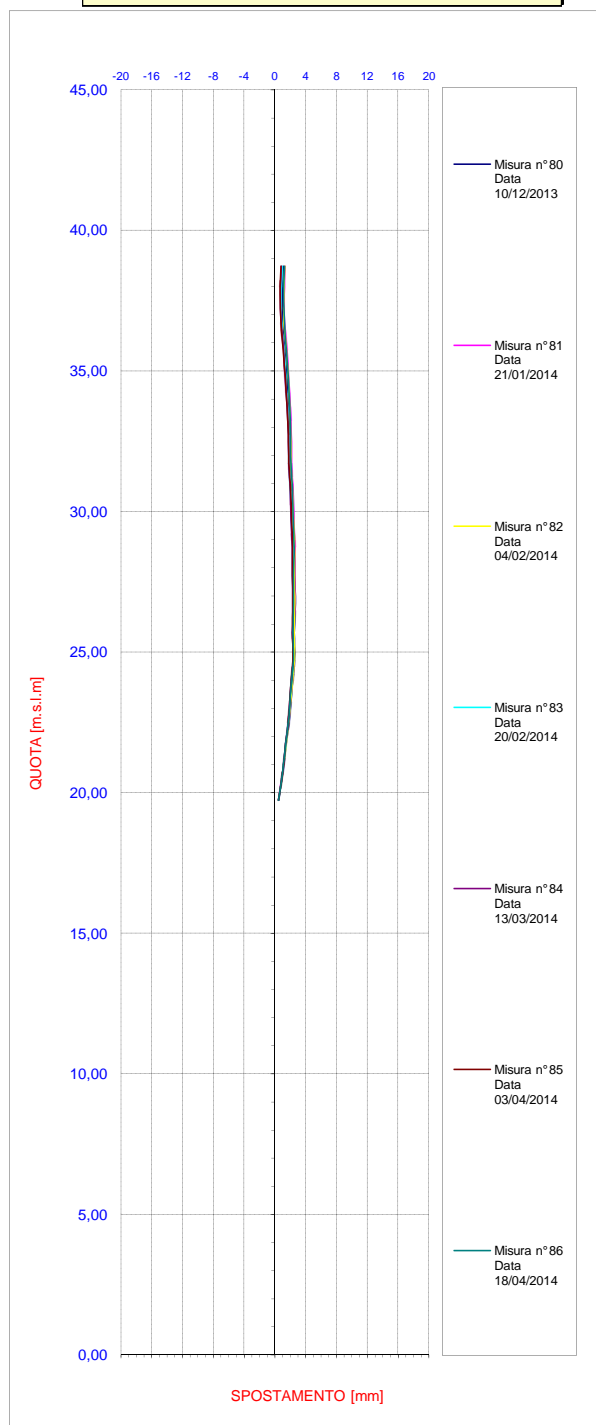
Ubicazione **STAZIONE CHIAIA**
Tipo Strumento **Tubo inclinometrico**
Nome tubo **CH_IN_P13**
Azimut di riferimento **318**
Quota guida rif. (m.s.l.m.) **39,23**
Data lettura di zero **22/12/2010**
Data posa in opera **06/12/2010**

Ultima Misura **86** in data **18/04/2014 12.07**

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



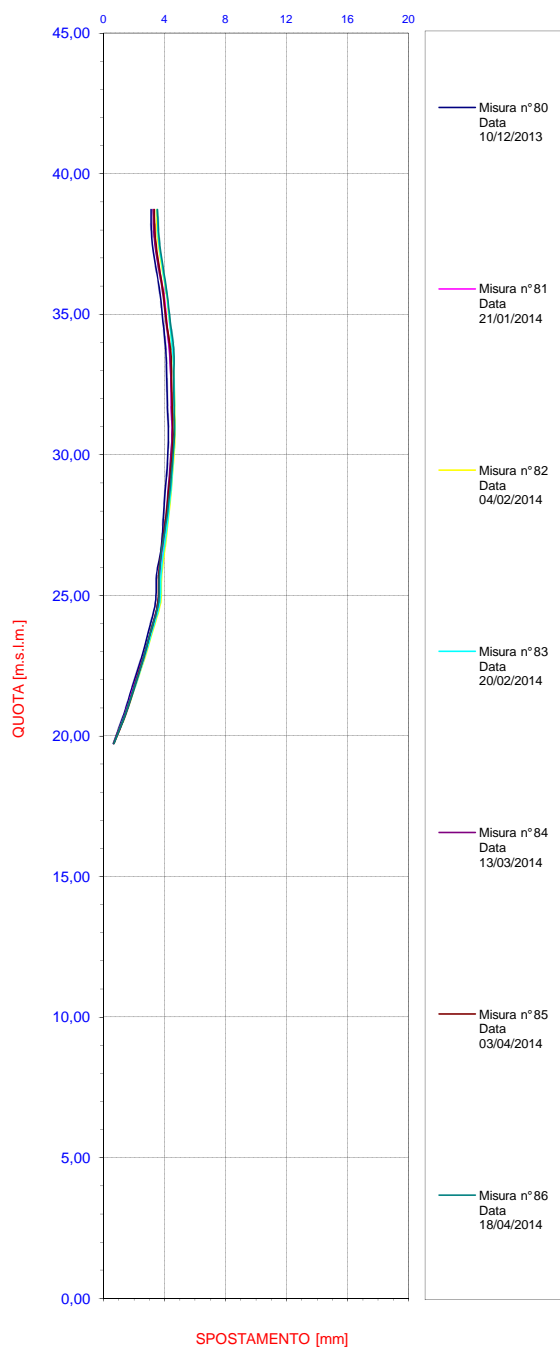
Spostamenti Differenziali Integrali
SUD - (valori negativi) / NORD + (valori positivi)



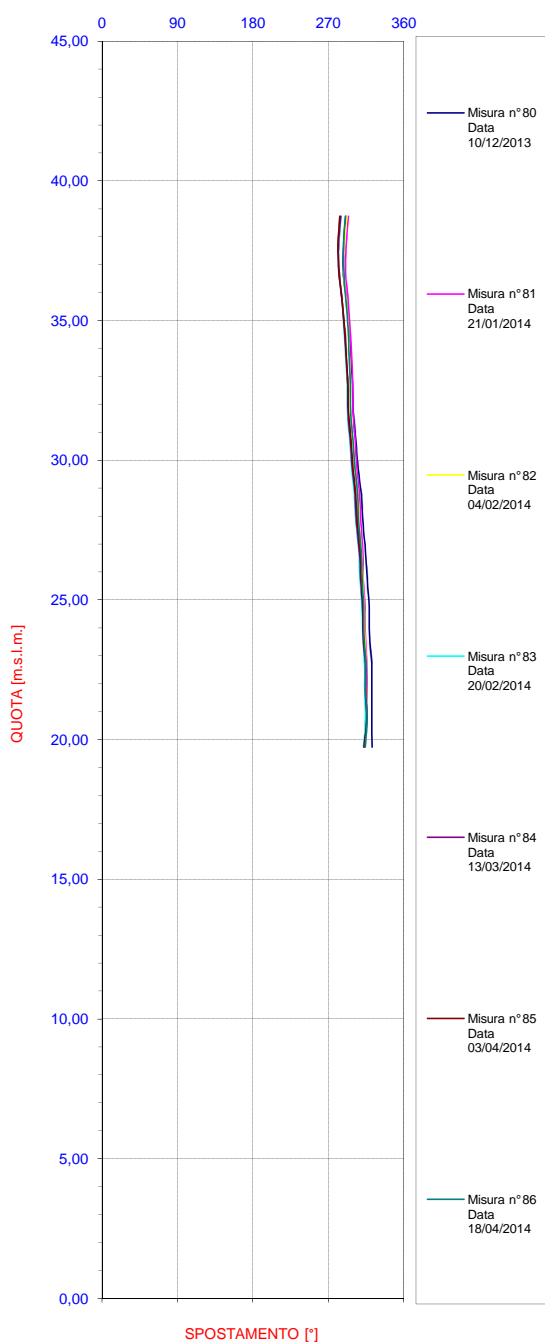
Ubicazione **STAZIONE CHIAIA**
Tipo Strumento **Tubo inclinometrico**
Nome tubo **CH_IN_P13**
Azimut di riferimento **318**
Quota guida rif. (m.s.l.m.) **39,23**
Data lettura di zero **22/12/2010**
Data posa in opera **06/12/2010**

Ultima Misura **86** in data **18/04/2014 12.07**

**Spostamenti Differenziali Integrali
Risultante**



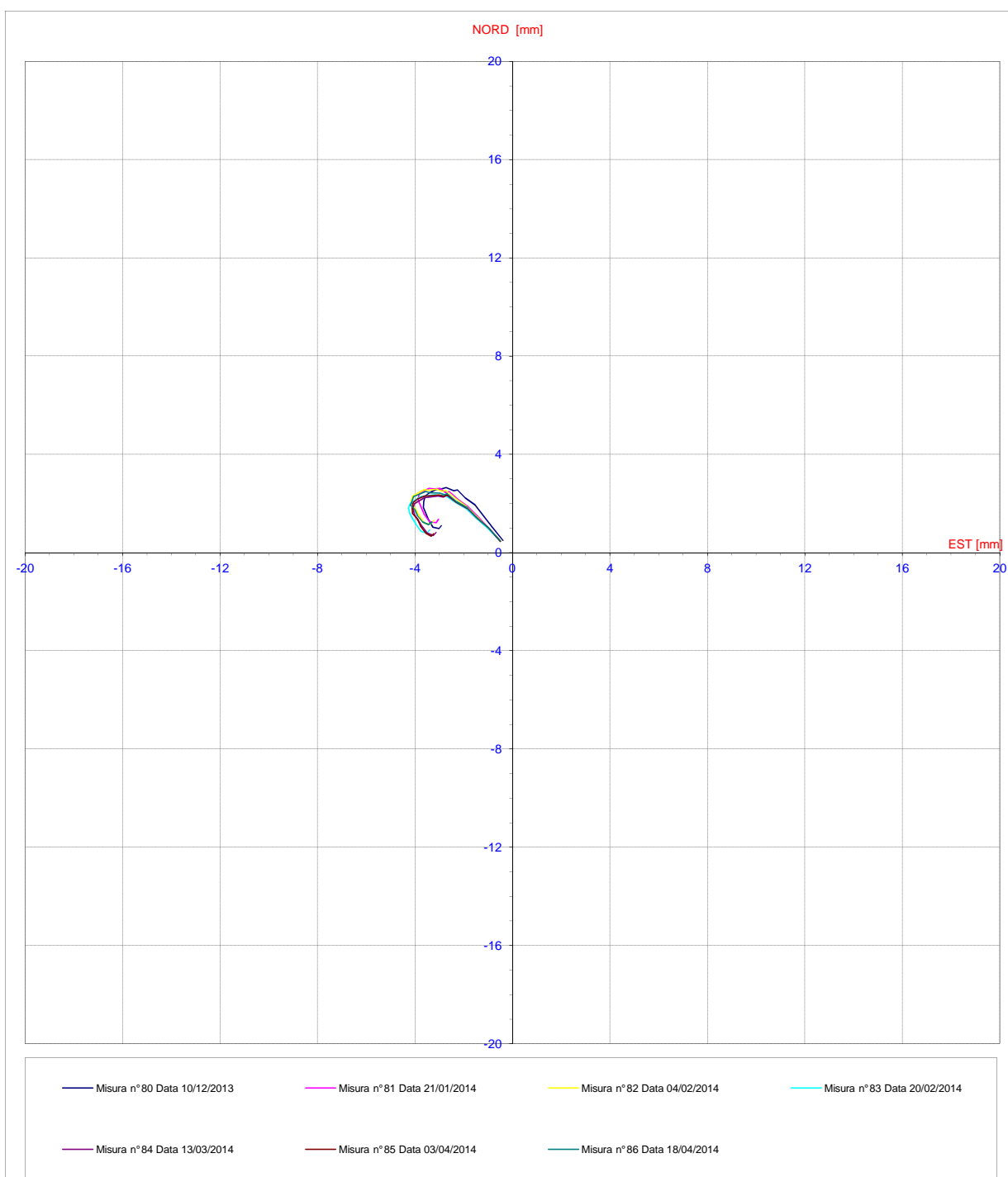
**Spostamenti Differenziali Integrali
Azimut**



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

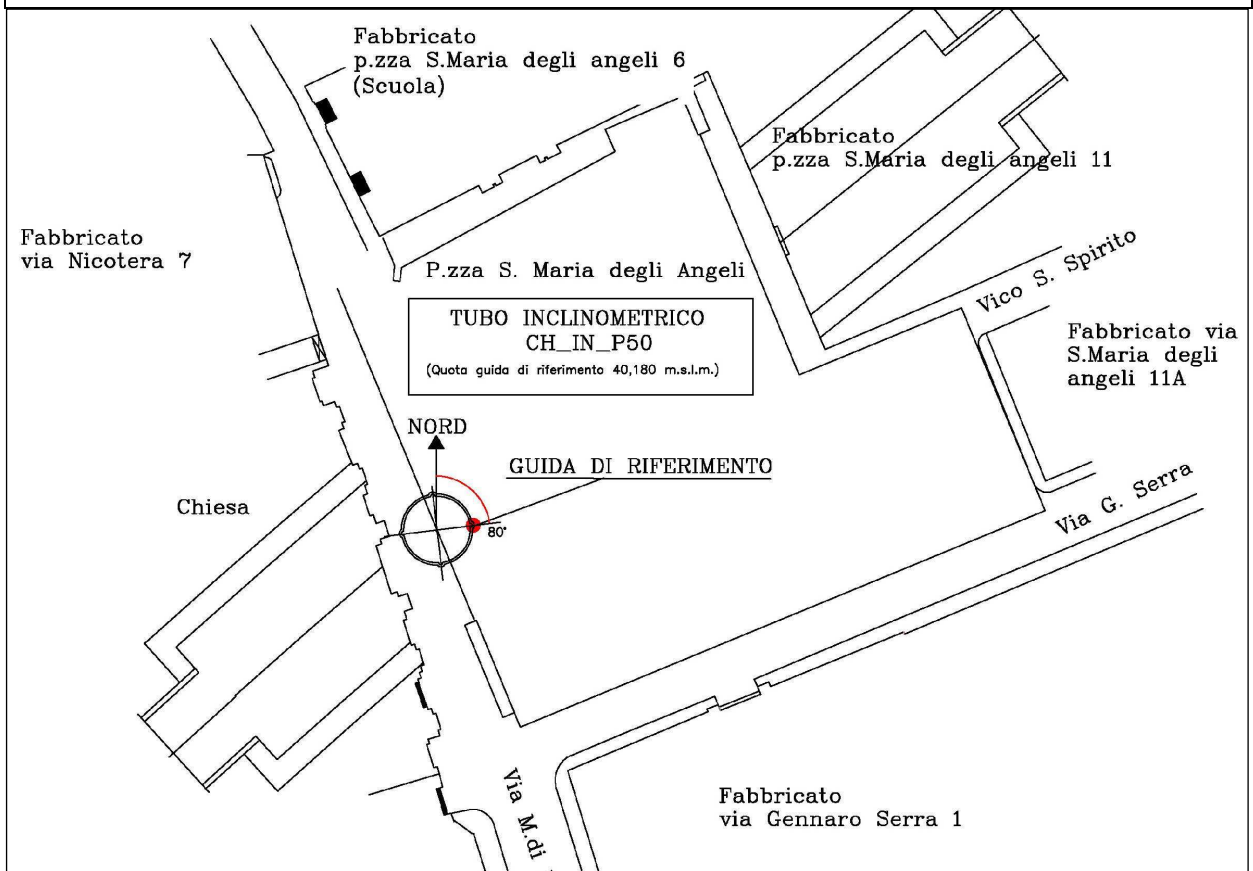
Ultima Misura 86 in data 18/04/2014 12.07

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 **91** in data **18/04/2014 12.22**

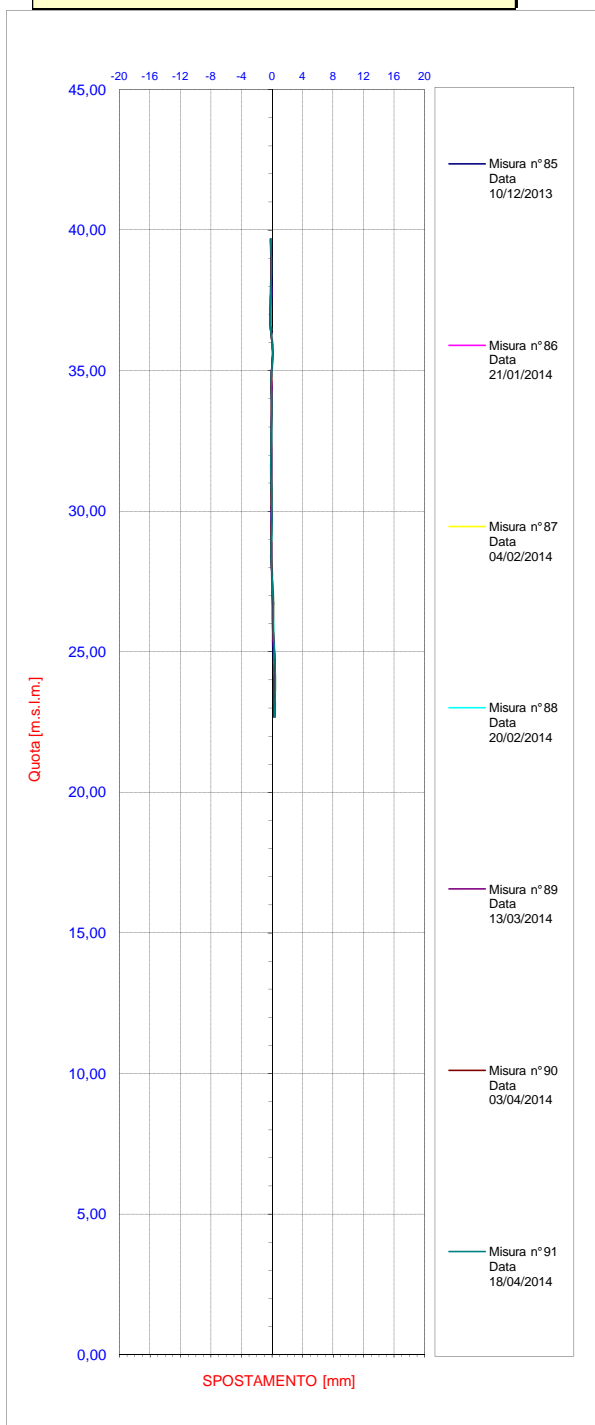
SPOSTAMENTI LOCALI (mm)				
PROFONDITA (m.s.l.m.)	EST	NORD	RISULTANTE	AZIMUT
39,7	-0,172	-0,110	0,204	237,255
38,7	-0,085	-0,310	0,322	195,301
37,7	-0,177	-0,041	0,181	256,866
36,7	-0,243	-0,085	0,257	250,673
35,7	0,082	-0,185	0,203	155,998
34,7	-0,103	0,044	0,112	293,289
33,7	-0,028	0,000	0,028	270,407
32,7	-0,106	0,038	0,113	289,647
31,7	-0,143	-0,129	0,193	227,914
30,7	-0,092	0,002	0,092	270,948
29,7	-0,013	-0,003	0,013	257,921
28,7	-0,127	-0,247	0,278	207,285
27,7	0,014	0,038	0,040	20,262
26,7	0,172	-0,155	0,232	132,064
25,7	0,184	-0,035	0,187	100,751
24,7	0,372	-0,105	0,387	105,817
23,7	0,411	-0,059	0,415	98,112
22,7	0,331	-0,151	0,364	114,538

SPOSTAMENTI INTEGRALI (mm)				
PROFONDITA (m.s.l.m.)	EST	NORD	RISULTANTE	AZIMUT
39,7	0,279	-1,494	1,520	169,435
38,7	0,450	-1,384	1,456	161,973
37,7	0,535	-1,074	1,200	153,503
36,7	0,712	-1,033	1,254	145,420
35,7	0,955	-0,947	1,345	134,777
34,7	0,872	-0,762	1,159	131,148
33,7	0,975	-0,807	1,265	129,596
32,7	1,003	-0,807	1,287	128,822
31,7	1,109	-0,845	1,394	127,298
30,7	1,252	-0,716	1,442	119,752
29,7	1,344	-0,717	1,523	118,086
28,7	1,356	-0,714	1,533	117,774
27,7	1,484	-0,467	1,556	107,489
26,7	1,470	-0,505	1,554	108,973
25,7	1,298	-0,350	1,344	105,098
24,7	1,114	-0,315	1,158	105,800
23,7	0,742	-0,210	0,771	105,791
22,7	0,331	-0,151	0,364	114,538

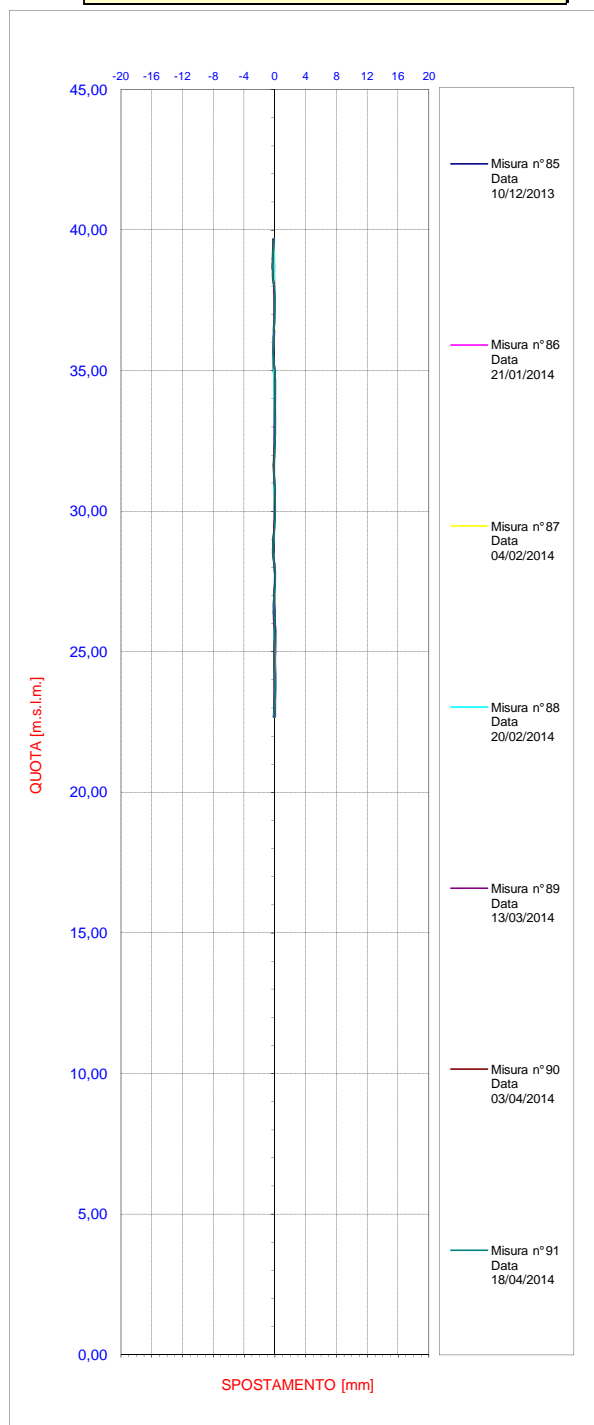
Ubicazione **STAZIONE CHIAIA**
Tipo Strumento **Tubo inclinometrico**
Nome tubo **CH_IN_P50**
Azimut di riferimento **80**
Quota guida rif. (m.s.l.m.) **40,18**
Data lettura di zero **21/01/2011**
Data posa in opera **21/12/2010**

Ultima Misura **91** in data **18/04/2014 12.22**

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



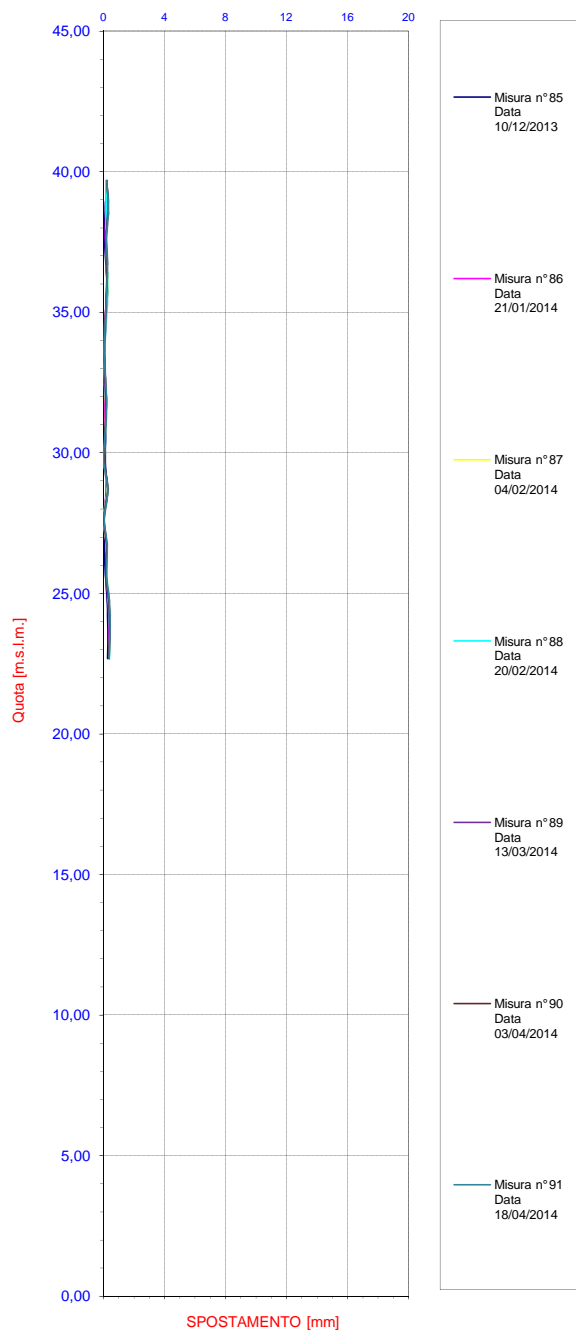
Spostamenti Differenziali Locali
SUD - (valori negativi) / NORD + (valori positivi)



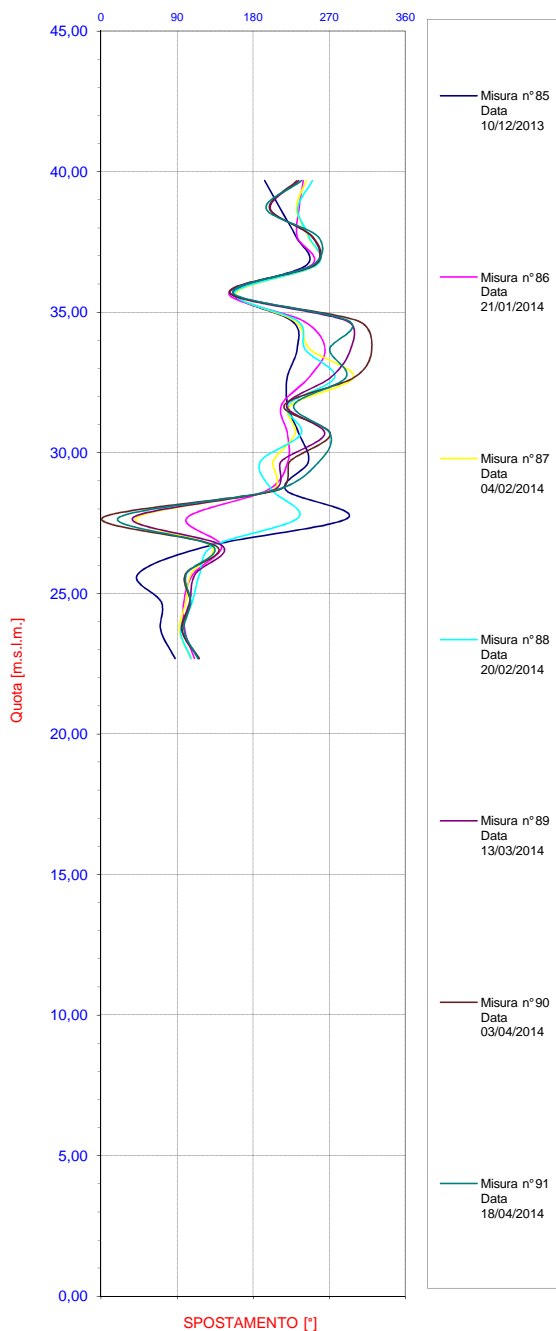
Ubicazione **STAZIONE CHIAIA**
Tipo Strumento **Tubo inclinometrico**
Nome tubo **CH_IN_P50**
Azimut di riferimento **80**
Quota guida rif. (m.s.l.m.) **40,18**
Data lettura di zero **21/01/2011**
Data posa in opera **21/12/2010**

Ultima Misura **91** in data **18/04/2014 12.22**

**Spostamenti Differenziali Locali
Risultante**



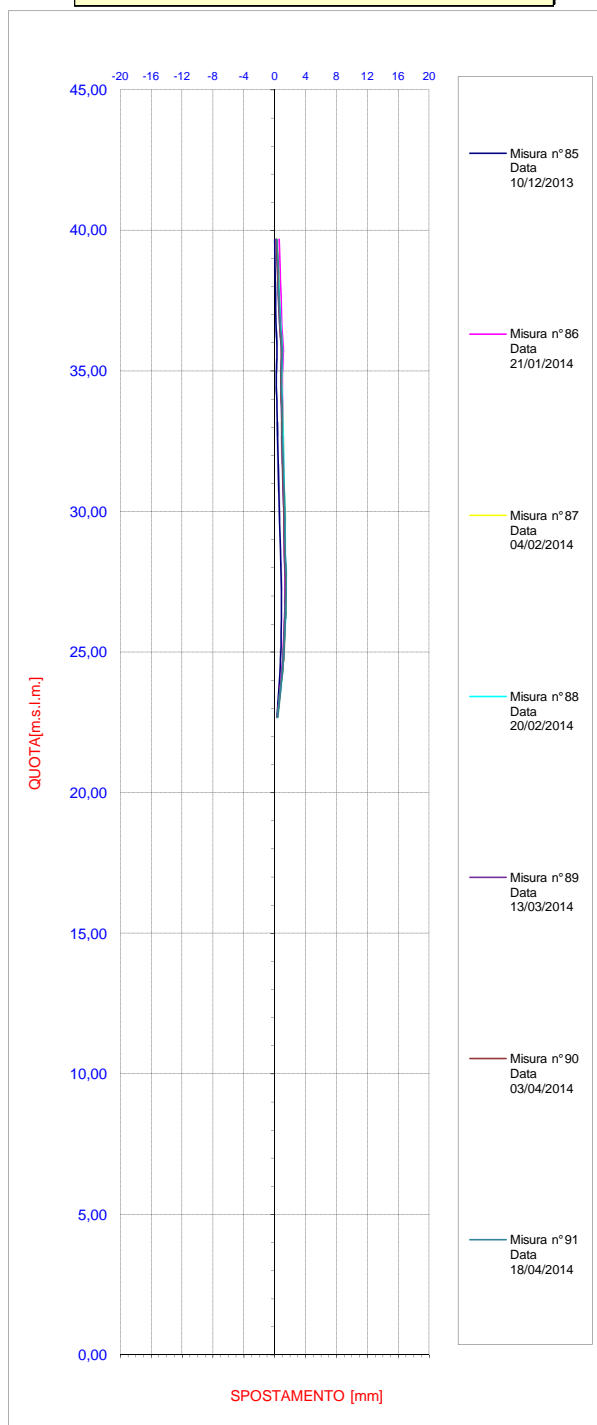
**Spostamenti Differenziali Locali
Azimut**



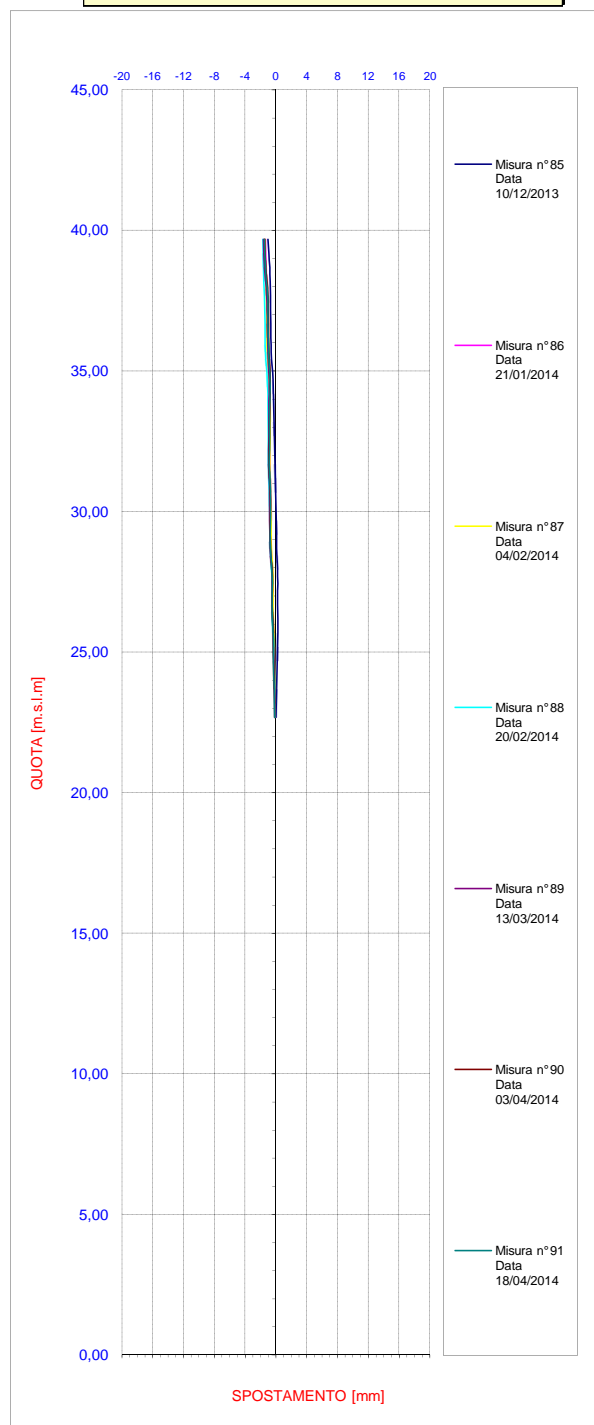
Ubicazione STAZIONE CHIAIA
Tipo Strumento Tubo inclinometrico
Nome tubo CH_IN_P50
Azimut di riferimento 80
Quota guida rif. (m.s.l.m.) 40,18
Data lettura di zero 21/01/2011
Data posa in opera 21/12/2010

Ultima Misura 91 in data 18/04/2014 12.22

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



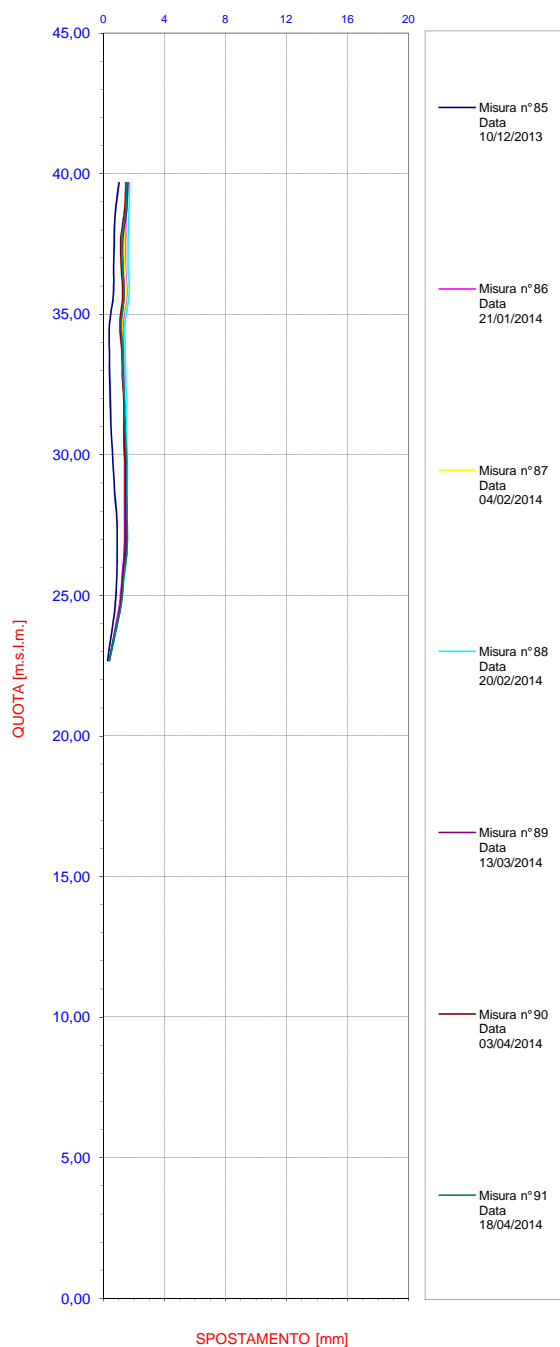
Spostamenti Differenziali Integrali
SUD - (valori negativi) / NORD + (valori positivi)



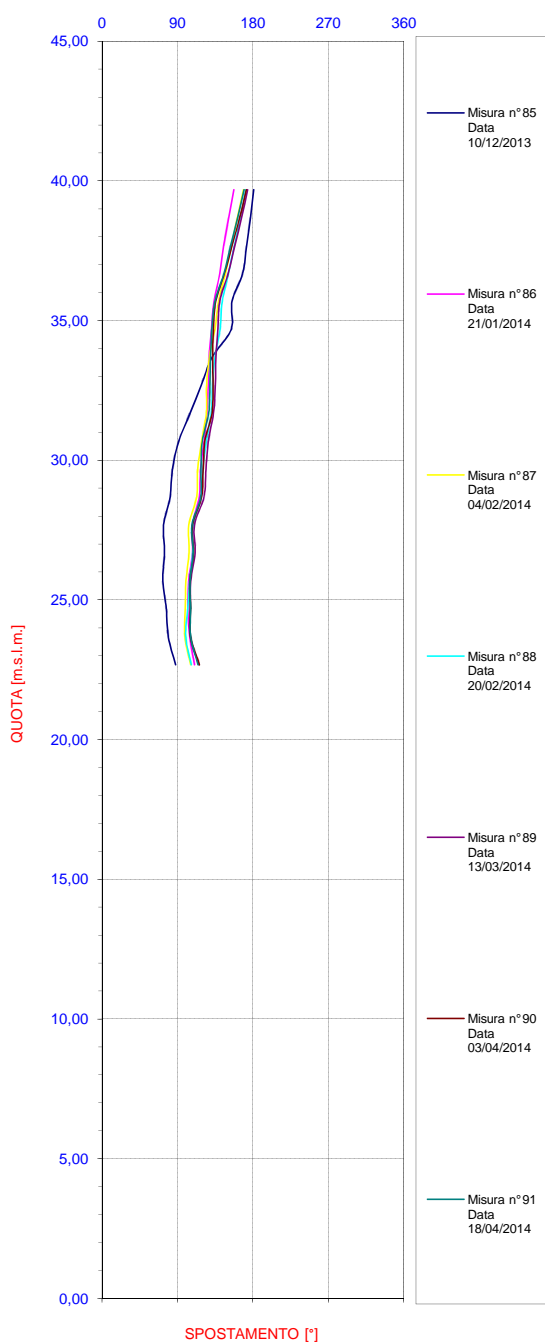
Ubicazione **STAZIONE CHIAIA**
Tipo Strumento **Tubo inclinometrico**
Nome tubo **CH_IN_P50**
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Ultima Misura **91** in data **18/04/2014 12.22**

**Spostamenti Differenziali Integrali
Risultante**



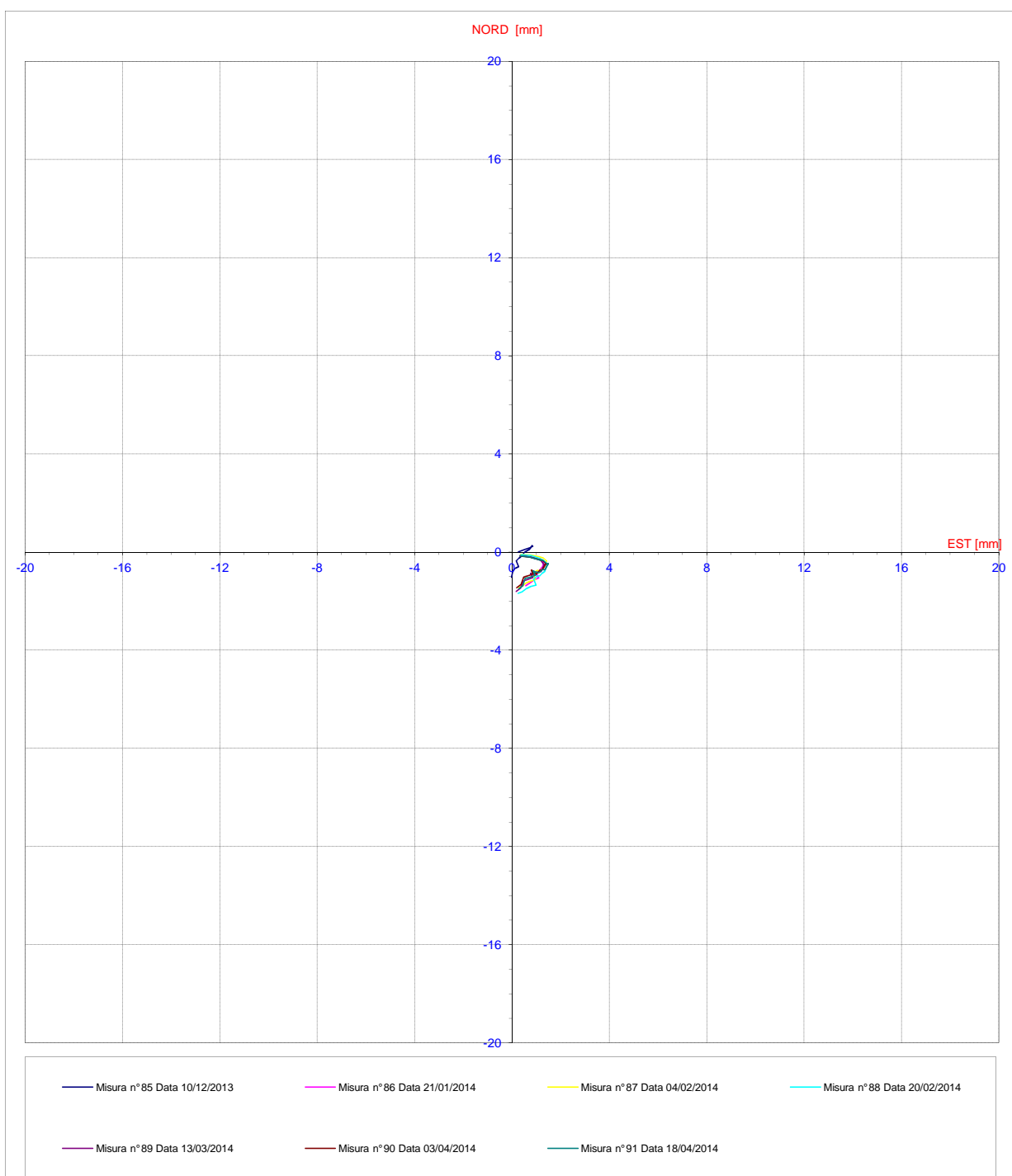
**Spostamenti Differenziali Integrali
Azimut**



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

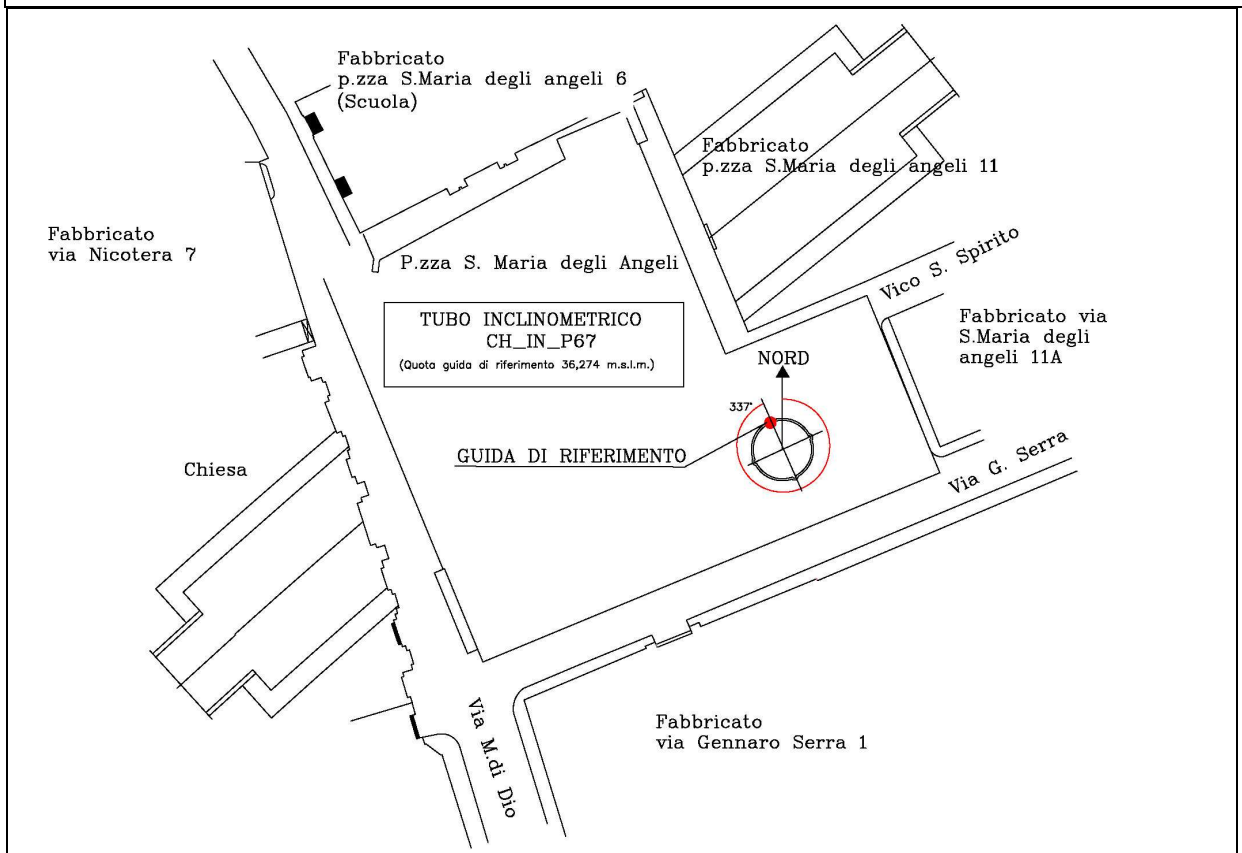
Ultima Misura 91 in data 18/04/2014 12.22

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

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 **143** in data **18/04/2014 11.53**

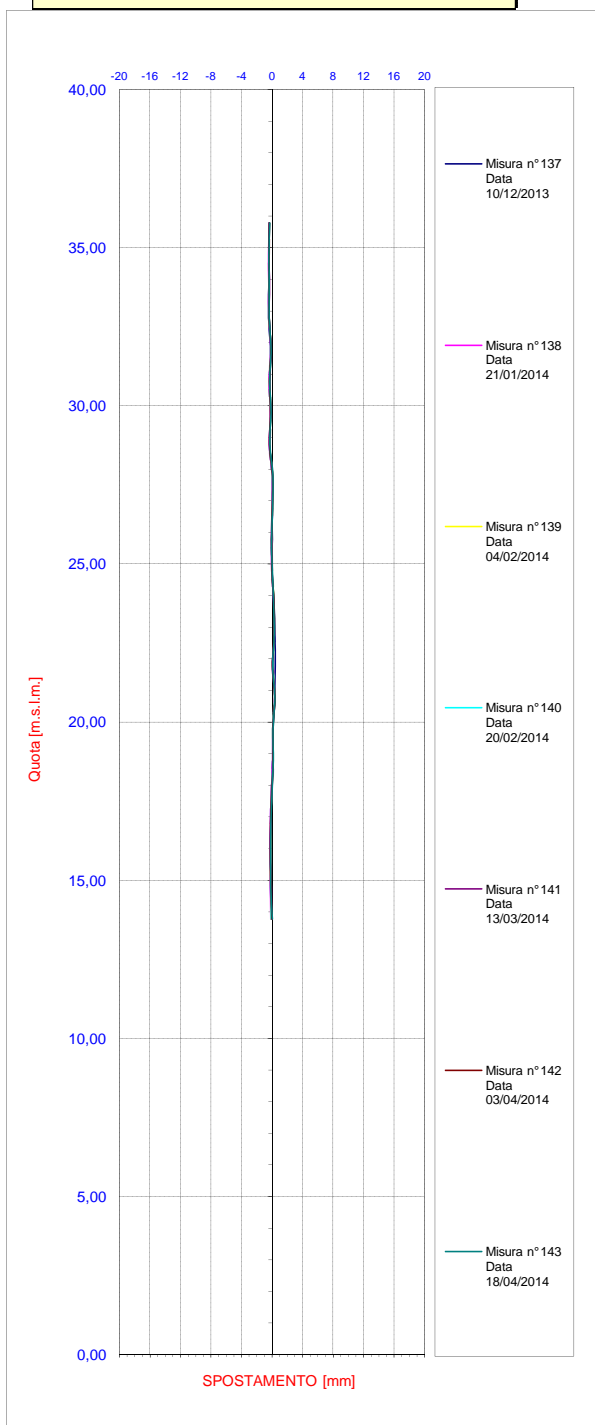
SPOSTAMENTI LOCALI (mm)				
PROFONDITA (m.s.l.m.)	EST	NORD	RISULTANTE	AZIMUT
35,8	-0,303	-0,068	0,311	257,363
34,8	-0,415	0,000	0,415	270,016
33,8	-0,366	-0,005	0,366	269,249
32,8	-0,369	0,167	0,405	294,308
31,8	-0,145	0,230	0,272	327,731
30,8	-0,306	-0,031	0,308	264,162
29,8	-0,150	0,371	0,400	337,907
28,8	-0,297	0,083	0,309	285,543
27,8	0,115	0,243	0,269	25,378
26,8	0,067	0,186	0,197	19,758
25,8	-0,085	0,625	0,631	352,288
24,8	0,020	0,465	0,466	2,454
23,8	0,193	0,266	0,329	35,924
22,8	0,281	0,307	0,416	42,492
21,8	0,071	-0,387	0,393	169,648
20,8	0,363	0,152	0,393	67,285
19,8	0,133	0,386	0,408	19,057
18,8	0,156	0,244	0,290	32,687
17,8	0,003	0,064	0,064	2,295
16,8	-0,176	0,085	0,196	295,886
15,8	-0,180	0,128	0,221	305,546
14,8	-0,153	0,053	0,161	289,053
13,8	0,026	0,118	0,121	12,562

SPOSTAMENTI INTEGRALI (mm)				
PROFONDITA (m.s.l.m.)	EST	NORD	RISULTANTE	AZIMUT
35,8	-1,517	3,682	3,983	337,603
34,8	-1,214	3,750	3,942	342,061
33,8	-0,799	3,750	3,834	347,972
32,8	-0,433	3,755	3,780	353,422
31,8	-0,064	3,588	3,589	358,982
30,8	0,081	3,358	3,359	1,385
29,8	0,388	3,390	3,412	6,522
28,8	0,538	3,019	3,067	10,104
27,8	0,835	2,936	3,053	15,882
26,8	0,720	2,693	2,788	14,969
25,8	0,653	2,507	2,591	14,604
24,8	0,738	1,882	2,021	21,414
23,8	0,718	1,417	1,588	26,879
22,8	0,525	1,150	1,265	24,536
21,8	0,244	0,844	0,878	16,141
20,8	0,174	1,231	1,243	8,026
19,8	-0,189	1,079	1,095	350,044
18,8	-0,323	0,693	0,764	335,015
17,8	-0,479	0,449	0,656	313,118
16,8	-0,482	0,385	0,617	308,615
15,8	-0,306	0,299	0,428	314,393
14,8	-0,126	0,171	0,213	323,589
13,8	0,026	0,118	0,121	12,562

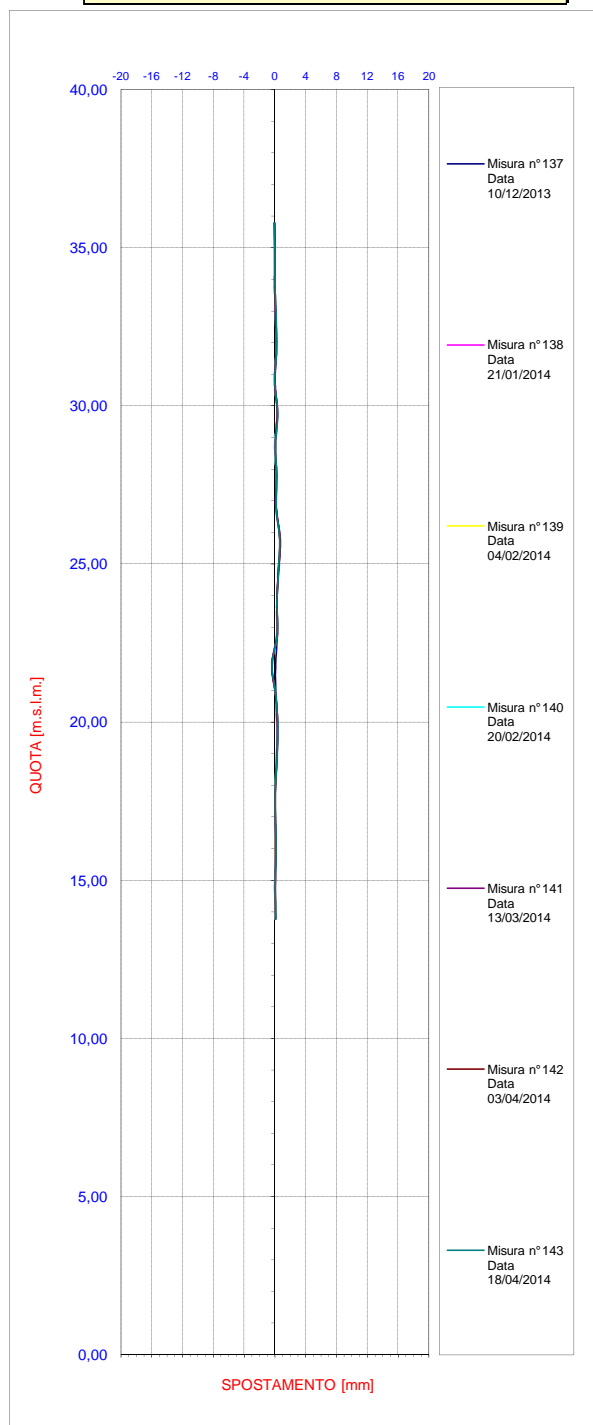
Ubicazione **STAZIONE CHIAIA**
Tipo Strumento **Tubo inclinometrico**
Nome tubo **CH_IN_P67**
Azimut di riferimento **337**
Quota guida rif. (m.s.l.m.) **36,274**
Data lettura di zero **25/11/2009**
Data posa in opera **18/11/2009**

Ultima Misura **143** in data **18/04/2014 11.53**

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



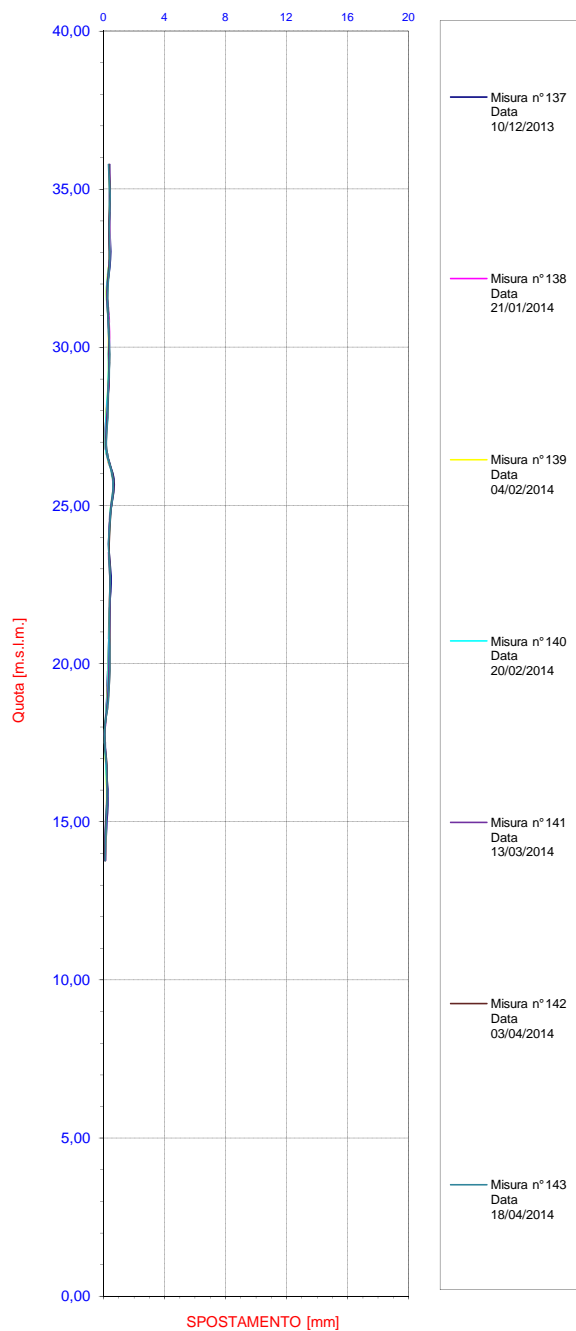
**Spostamenti Differenziali Locali
SUD - (valori negativi) / NORD + (valori positivi)**



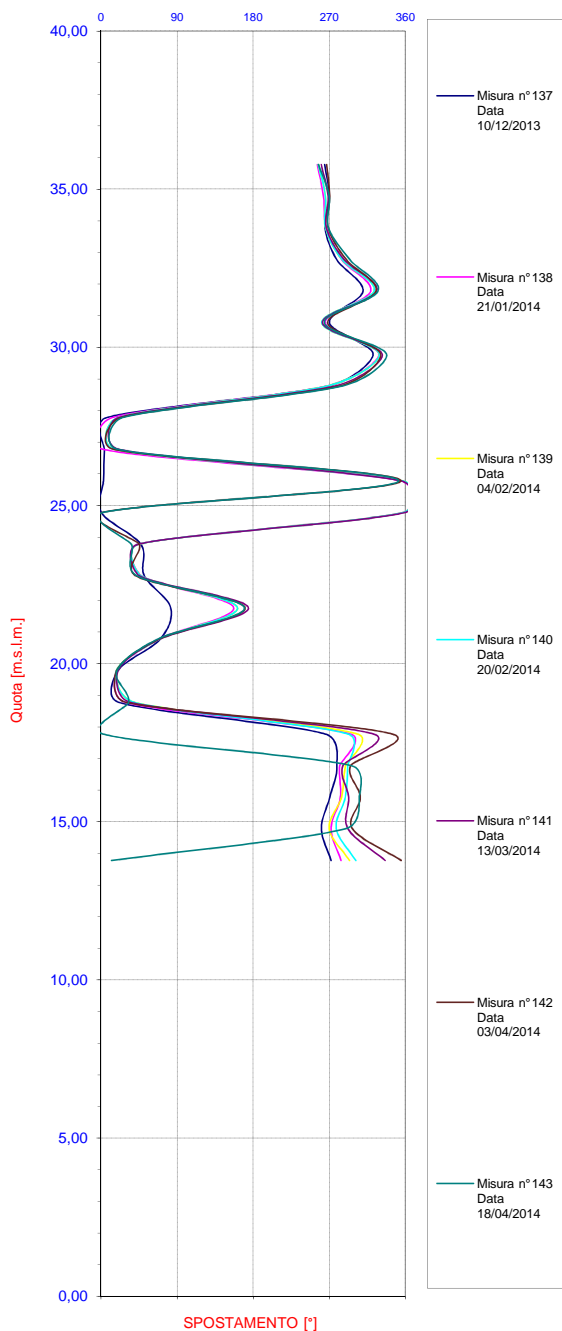
Ubicazione **STAZIONE CHIAIA**
Tipo Strumento **Tubo inclinometrico**
Nome tubo **CH_IN_P67**
Azimut di riferimento **337**
Quota guida rif. (m.s.l.m.) **36,274**
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Ultima Misura **143** in data **18/04/2014 11.53**

**Spostamenti Differenziali Locali
Risultante**



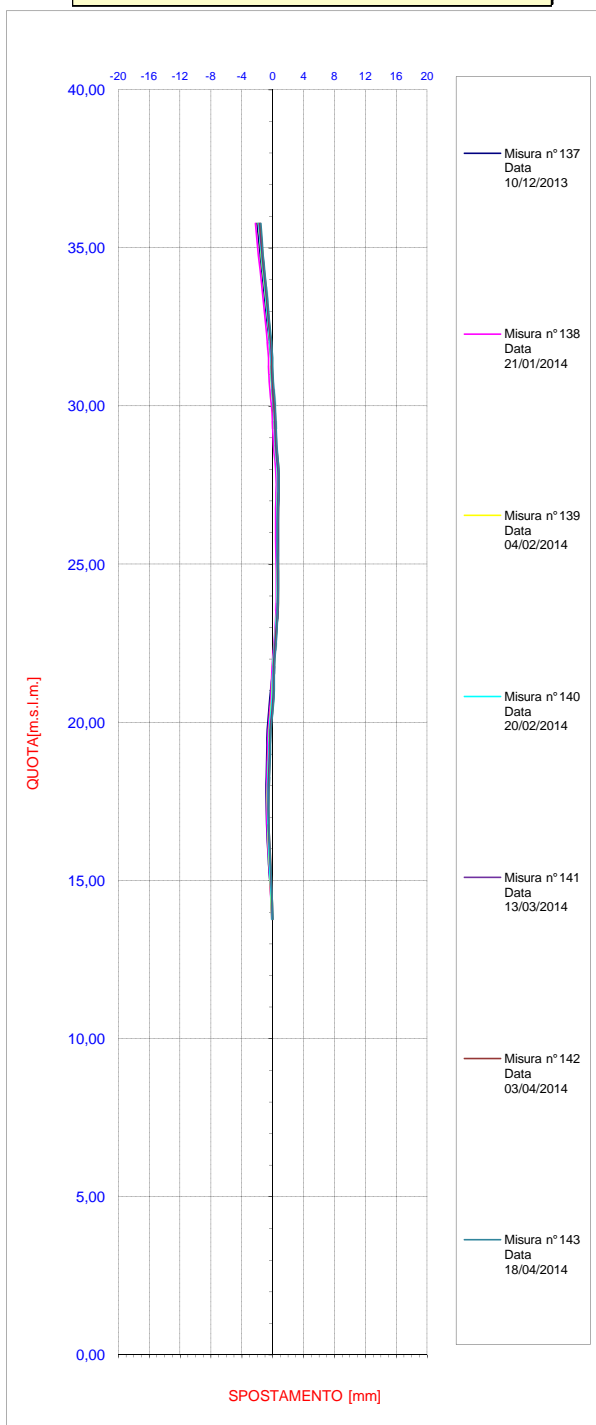
**Spostamenti Differenziali Locali
Azimut**



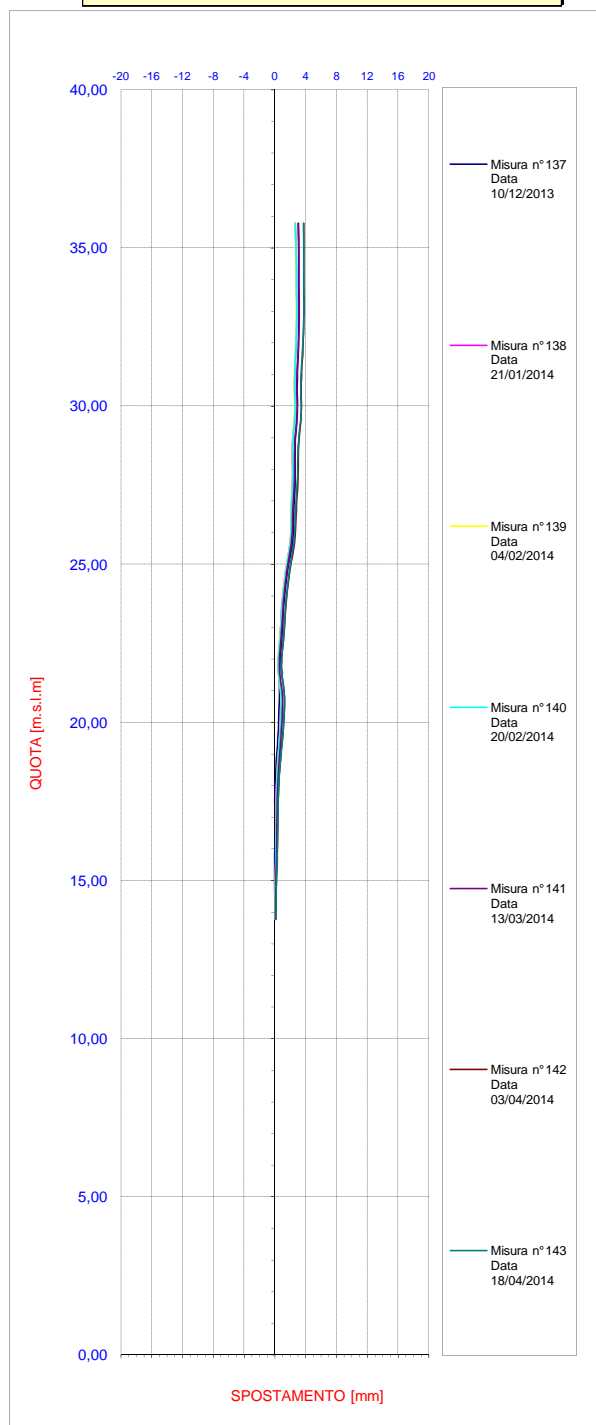
Ubicazione **STAZIONE CHIAIA**
Tipo Strumento **Tubo inclinometrico**
Nome tubo **CH_IN_P67**
Azimut di riferimento **337**
Quota guida rif. (m.s.l.m.) **36,274**
Data lettura di zero **25/11/2009**
Data posa in opera **18/11/2009**

Ultima Misura **143** in data **18/04/2014 11.53**

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



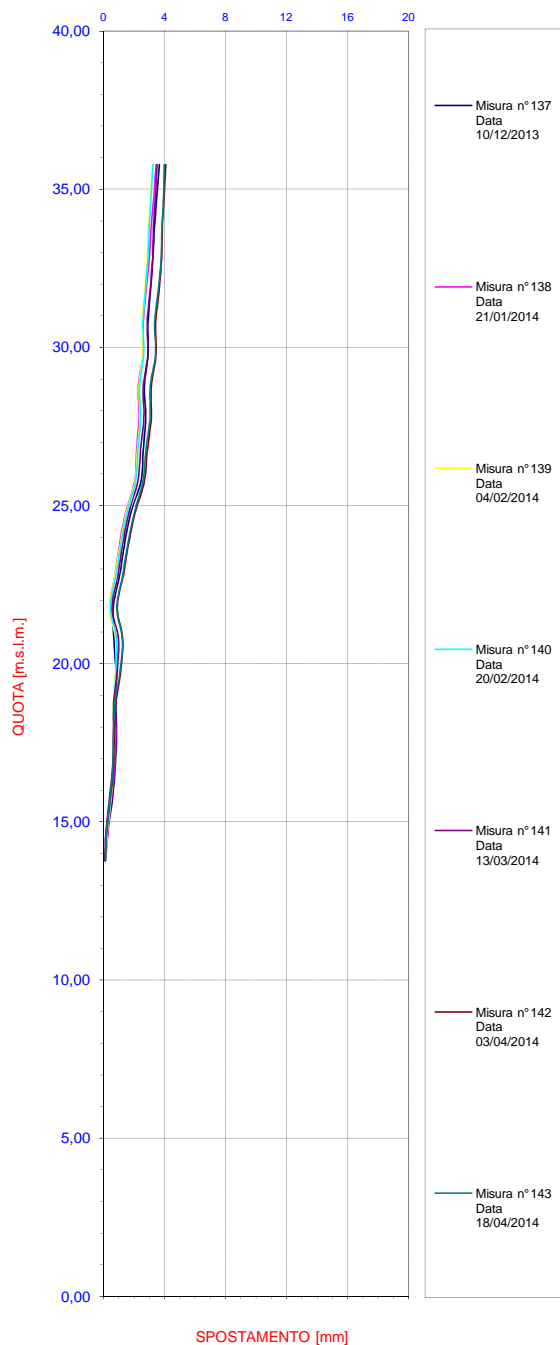
Spostamenti Differenziali Integrali
SUD - (valori negativi) / NORD + (valori positivi)



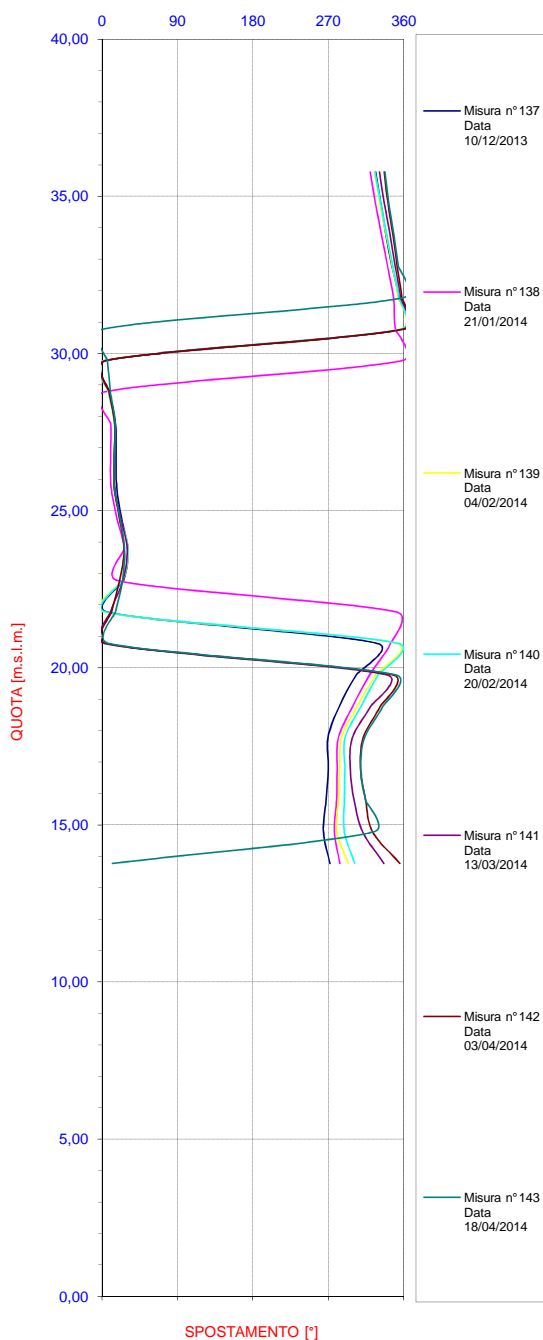
Ubicazione **STAZIONE CHIAIA**
Tipo Strumento **Tubo inclinometrico**
Nome tubo **CH_IN_P67**
Azimut di riferimento **337**
Quota guida rif. (m.s.l.m.) **36,274**
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Data posa in opera **18/11/2009**

Ultima Misura **143** in data **18/04/2014 11.53**

**Spostamenti Differenziali Integrali
Risultante**



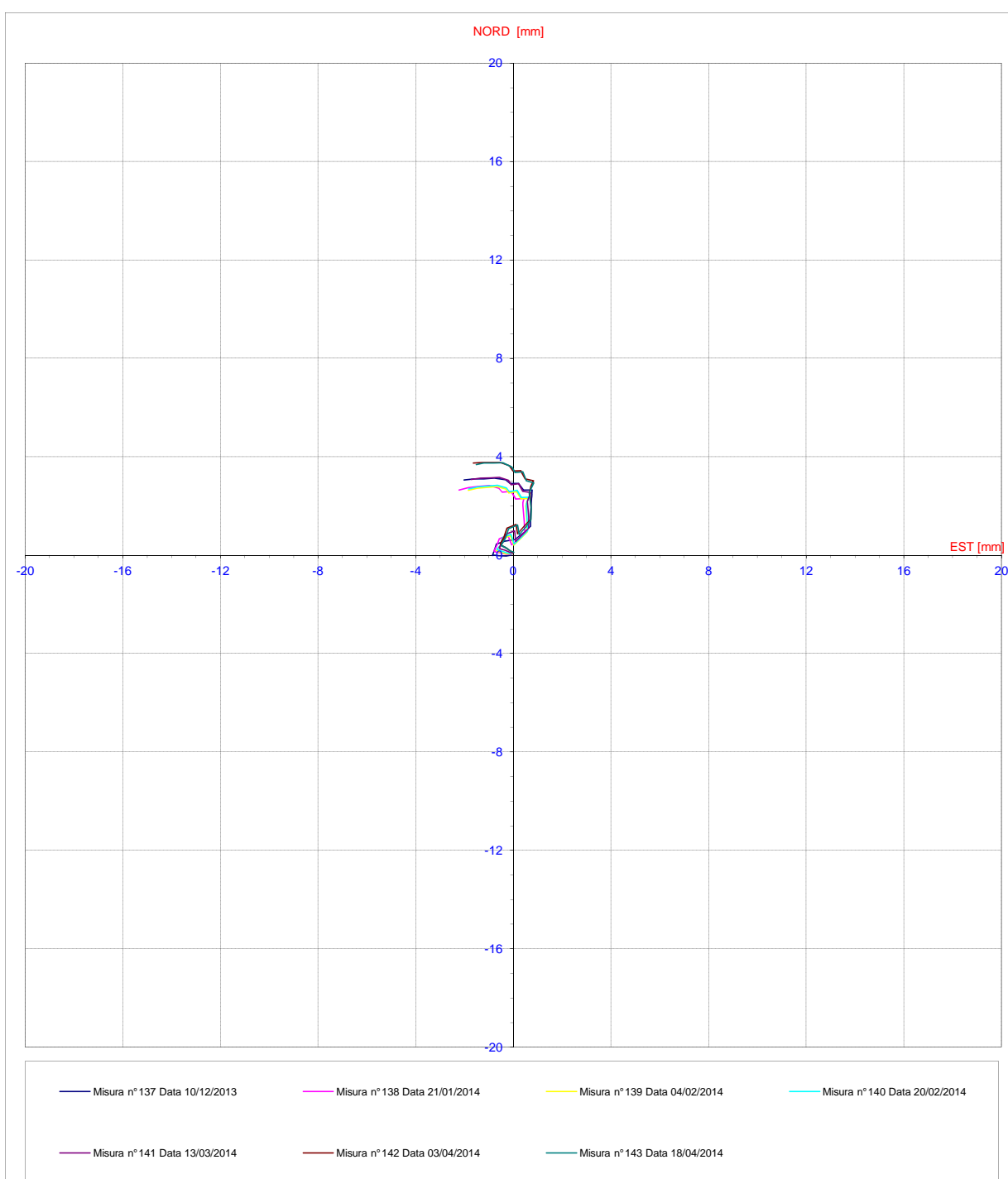
**Spostamenti Differenziali Integrali
Azimut**



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

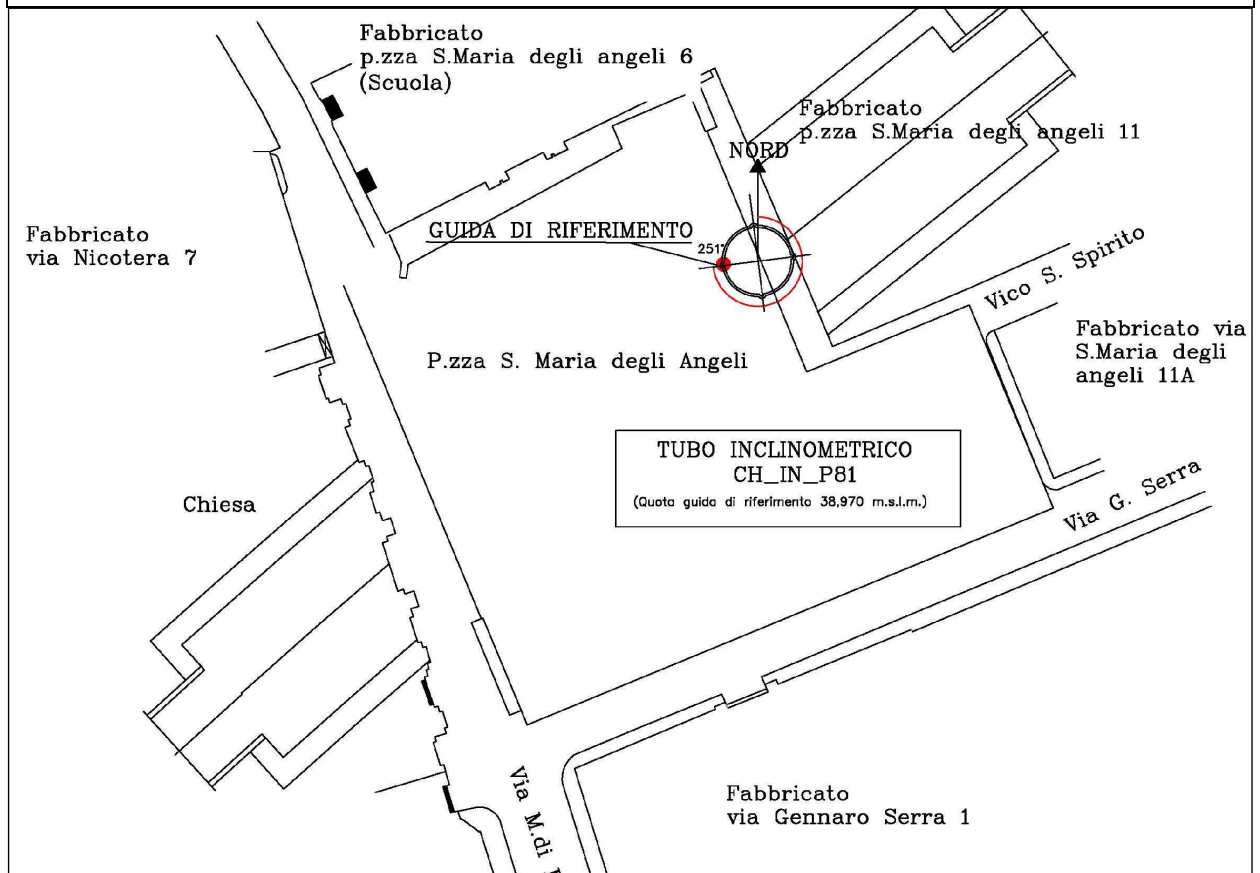
Ultima Misura 143 in data 18/04/2014 11.53

Spostamenti Differenziali Integrali
Diagramma polare



Inclinometro

CH_IN_P81



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_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 90 in data 18/04/2014 12.19

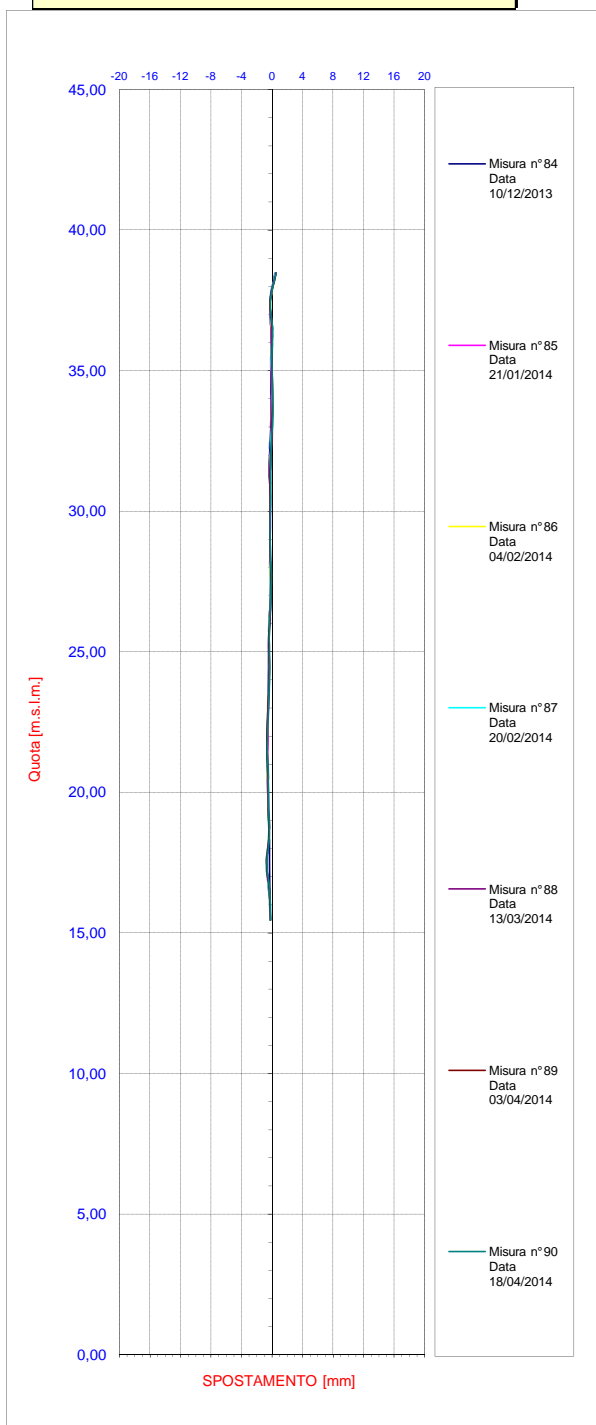
SPOSTAMENTI LOCALI (mm)				
PROFONDITA (m.s.l.m.)	EST	NORD	RISULTANTE	AZIMUT
38,5	0,551	-0,363	0,660	123,372
37,5	-0,206	-0,298	0,362	214,674
36,5	0,079	0,098	0,126	38,881
35,5	-0,016	0,204	0,205	355,479
34,5	0,056	0,244	0,251	12,870
33,5	0,120	0,099	0,156	50,335
32,5	-0,069	0,119	0,138	329,797
31,5	-0,175	0,281	0,331	328,048
30,5	-0,178	0,040	0,183	282,634
29,5	-0,246	0,120	0,274	296,034
28,5	-0,193	-0,033	0,196	260,272
27,5	-0,084	0,067	0,108	308,384
26,5	-0,236	0,080	0,249	288,809
25,5	-0,360	-0,172	0,399	244,489
24,5	-0,271	-0,094	0,287	250,928
23,5	-0,424	-0,071	0,430	260,535
22,5	-0,543	-0,165	0,568	253,127
21,5	-0,605	-0,036	0,606	266,605
20,5	-0,478	-0,207	0,521	246,529
19,5	-0,437	-0,151	0,462	250,955
18,5	-0,339	-0,249	0,421	233,684
17,5	-0,656	-0,157	0,675	256,538
16,5	-0,285	-0,115	0,307	247,975
15,5	-0,170	0,025	0,172	278,370

SPOSTAMENTI INTEGRALI (mm)				
PROFONDITA (m.s.l.m.)	EST	NORD	RISULTANTE	AZIMUT
38,5	-5,166	-0,732	5,218	261,937
37,5	-5,718	-0,369	5,730	266,310
36,5	-5,512	-0,071	5,512	269,263
35,5	-5,591	-0,169	5,594	268,267
34,5	-5,575	-0,374	5,587	266,166
33,5	-5,631	-0,618	5,665	263,736
32,5	-5,751	-0,717	5,795	262,889
31,5	-5,681	-0,836	5,743	261,625
30,5	-5,506	-1,118	5,618	258,527
29,5	-5,328	-1,157	5,452	257,743
28,5	-5,082	-1,278	5,240	255,888
27,5	-4,889	-1,244	5,044	255,718
26,5	-4,804	-1,311	4,980	254,734
25,5	-4,568	-1,392	4,775	253,056
24,5	-4,208	-1,220	4,382	253,833
23,5	-3,937	-1,126	4,095	254,036
22,5	-3,513	-1,055	3,668	253,276
21,5	-2,969	-0,891	3,100	253,303
20,5	-2,364	-0,855	2,514	250,124
19,5	-1,887	-0,647	1,995	251,063
18,5	-1,450	-0,497	1,533	251,095
17,5	-1,111	-0,247	1,138	257,448
16,5	-0,454	-0,090	0,463	258,775
15,5	-0,170	0,025	0,172	278,370

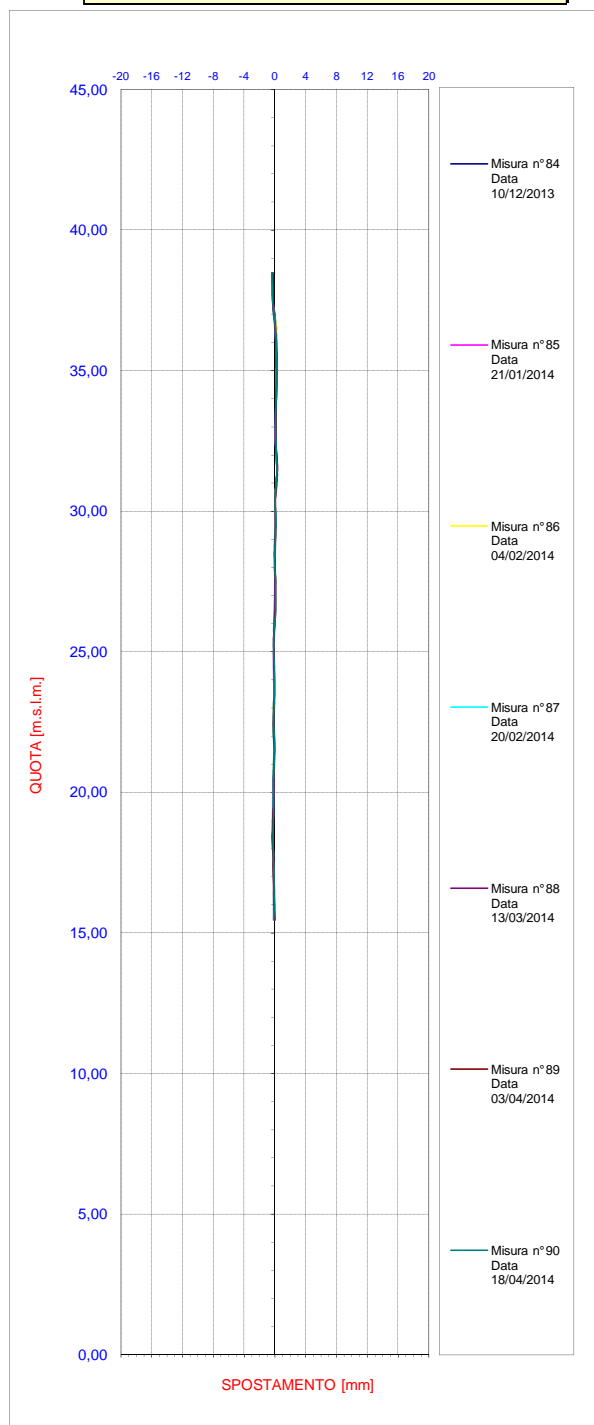
Ubicazione **STAZIONE CHIAIA**
Tipo Strumento **Tubo inclinometrico**
Nome tubo **CH_IN_P81**
Azimut di riferimento **251**
Quota guida rif. (m.s.l.m.) **38,97**
Data lettura di zero **21/01/2011**
Data posa in opera **21/12/2010**

Ultima Misura **90** in data **18/04/2014 12.19**

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



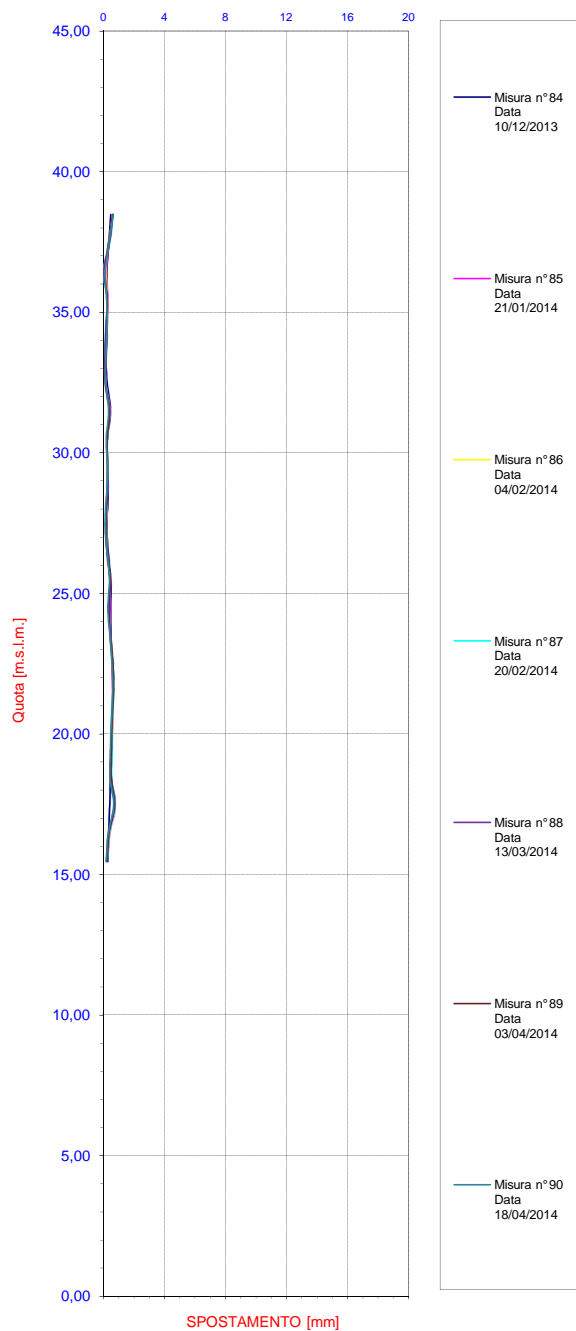
Spostamenti Differenziali Locali
SUD - (valori negativi) / NORD + (valori positivi)



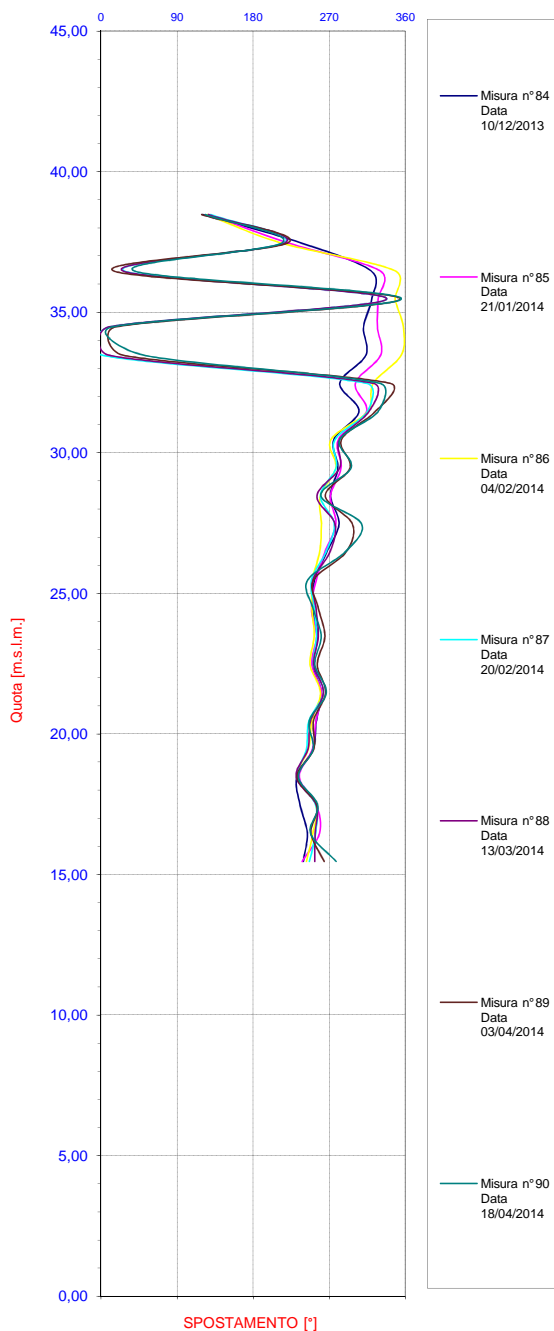
Ubicazione **STAZIONE CHIAIA**
Tipo Strumento **Tubo inclinometrico**
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Data lettura di zero **21/01/2011**
Data posa in opera **21/12/2010**

Ultima Misura **90** in data **18/04/2014 12.19**

**Spostamenti Differenziali Locali
Risultante**



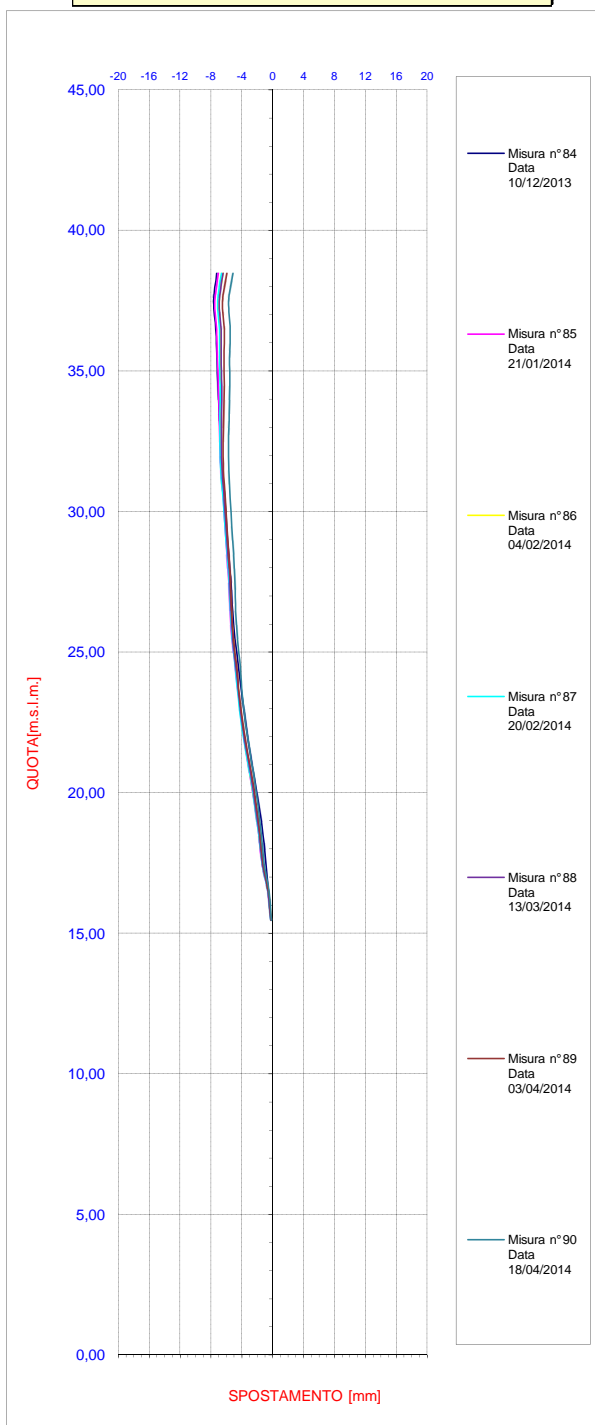
**Spostamenti Differenziali Locali
Azimut**



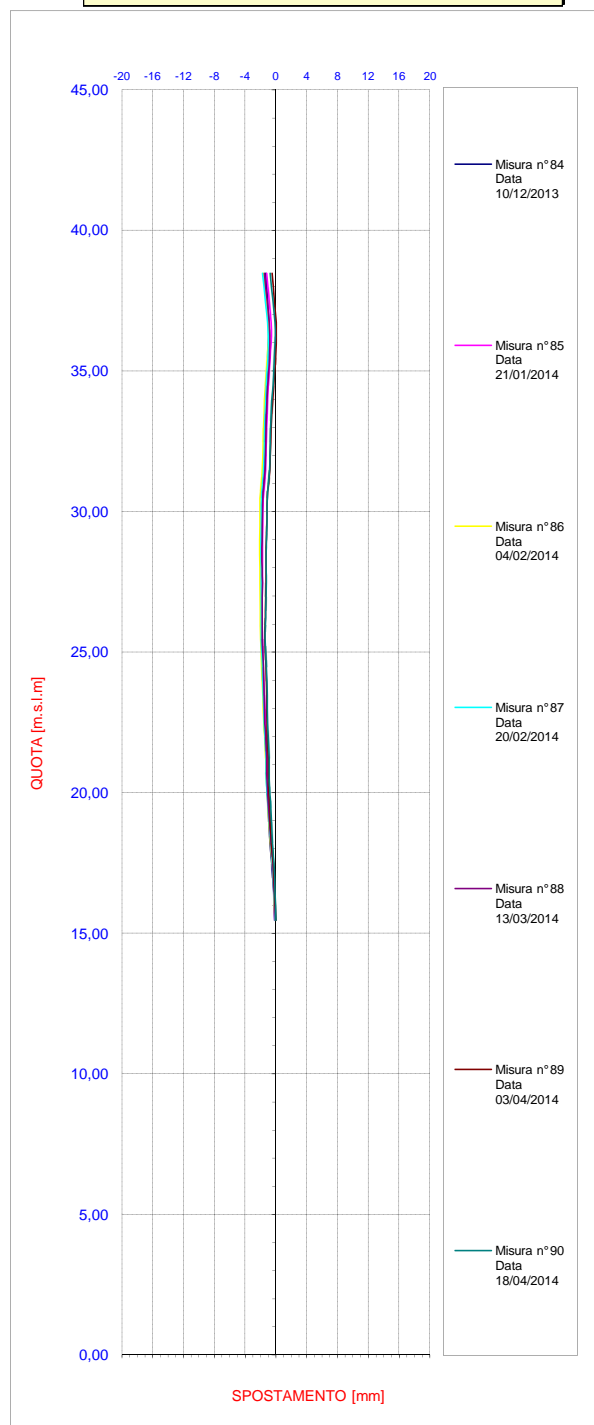
Ubicazione **STAZIONE CHIAIA**
Tipo Strumento **Tubo inclinometrico**
Nome tubo **CH_IN_P81**
Azimut di riferimento **251**
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Data lettura di zero **21/01/2011**
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Ultima Misura **90** in data **18/04/2014 12.19**

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



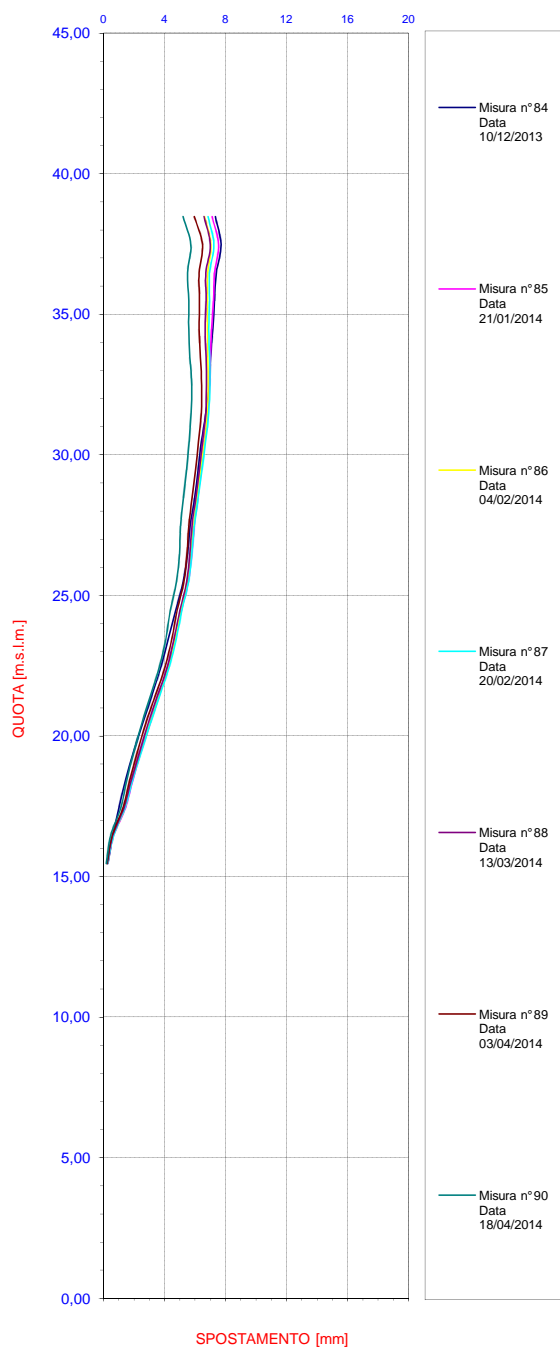
Spostamenti Differenziali Integrali
SUD - (valori negativi) / NORD + (valori positivi)



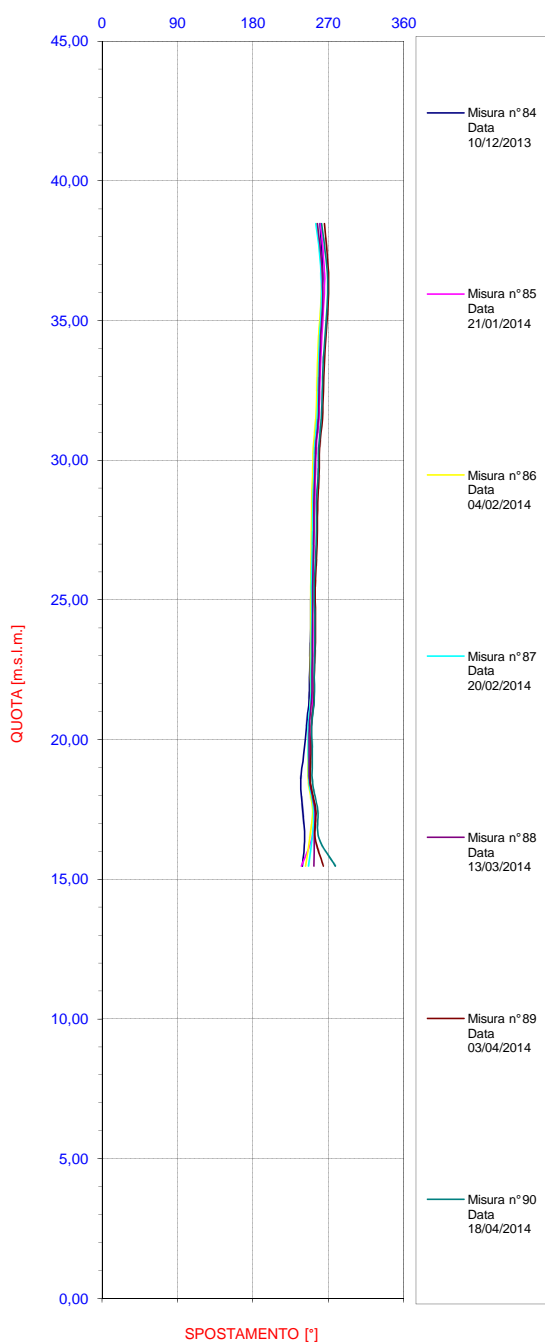
Ubicazione **STAZIONE CHIAIA**
Tipo Strumento **Tubo inclinometrico**
Nome tubo **CH_IN_P81**
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Ultima Misura **90** in data **18/04/2014 12.19**

**Spostamenti Differenziali Integrali
Risultante**



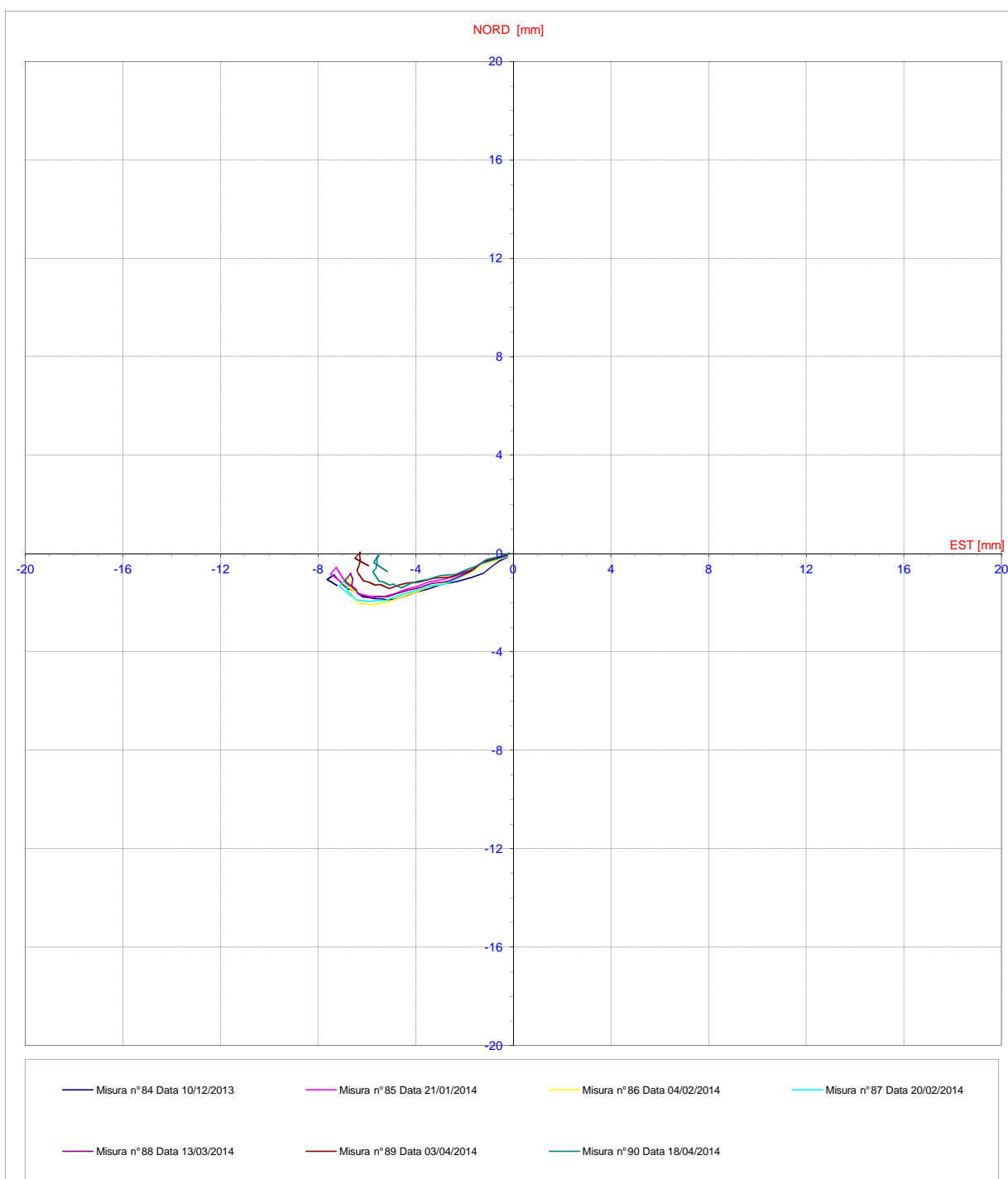
**Spostamenti Differenziali Integrali
Azimut**



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 90 in data 18/04/2014 12.19

Spostamenti Differenziali Integrali
Diagramma polare



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.


 Ansaldo STS A Finmeccanica Company	LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO REPORT DELLE MISURE - STAZIONE CHIAIA	
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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 INTERRU ZIONE	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 INTERRU ZIONE	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			


 Ansaldo STS A Finmeccanica Company	LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO REPORT DELLE MISURE - STAZIONE CHIAIA	
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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.


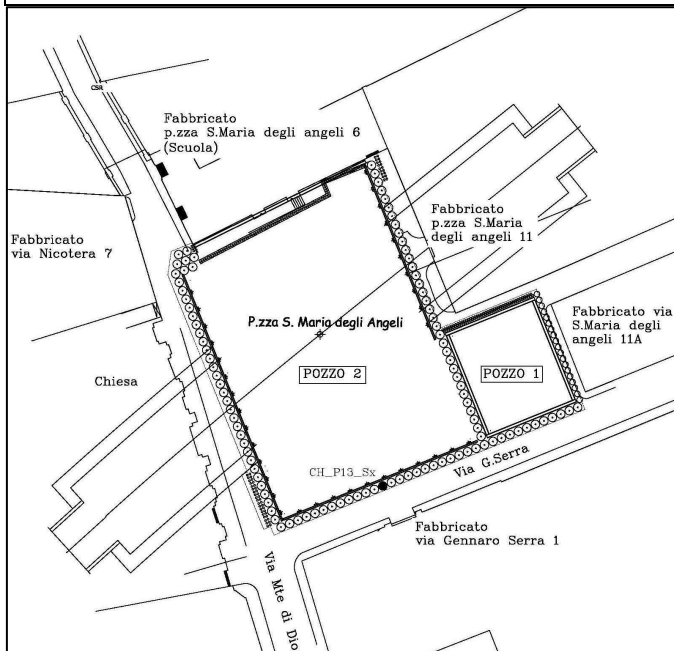
 Ansaldo STS A Finmeccanica Company	LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO REPORT DELLE MISURE - STAZIONE CHIAIA	
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Tabella Puntoni PU1 e PU2

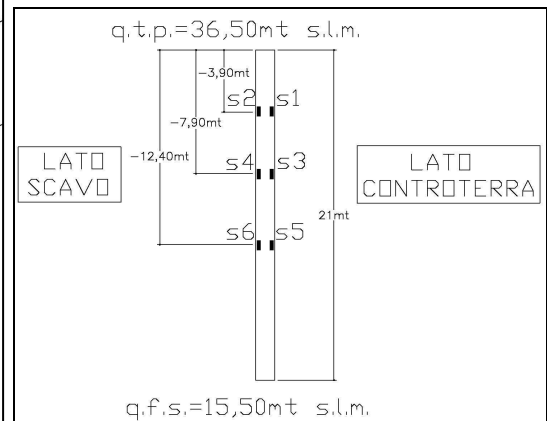
NOME	TIPOLOGIA STRUMENTAZIONE	DATA INSTALL.	DISPONIBILITA' LETTURA			NOTE
			DATA LETT. DI ZERO	PERIODO INTERRU ZIONE	DATA FINE ATTIVITA'	
CH_PU1_S1	BARRETTE ESTENSIMETRICHE A C.V.	12/09/11	14/09/11			
CH_PU1_S2	BARRETTE ESTENSIMETRICHE A C.V.	12/09/11	14/09/11			
CH_PU1_S3	BARRETTE ESTENSIMETRICHE A 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.

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

176 in
data

18/04/2014

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]
124	31/1/13 9.30	-27,7	17,1	-106,9	16,0	38,1	22,0	-114,7	15,0	66,6	21,6
125	12/2/13 11.30	-23,2	16,8	-100,0	15,9	23,9	21,5	-111,4	14,6	72,7	21,1
126	28/2/13 11.00	-15,5	16,1	-92,3	15,2	34,1	21,0	-104,1	14,2	90,9	20,6
127	7/3/13 11.00	-7,8	15,4	-86,6	15,0	25,1	20,6	-102,5	14,0	92,6	20,4
128	13/3/13 11.30	-6,2	15,2	-80,9	14,8	26,7	20,4	-96,8	13,8	99,9	20,0
129	20/3/13 11.00	-0,5	15,0	-79,3	14,6	23,1	20,1	-95,2	13,6	99,1	19,6
130	27/3/13 12.00	-1,3	14,6	-77,7	14,4	30,0	20,0	-93,6	13,4	104,7	19,4
131	3/4/13 11.30	6,0	14,2	-73,2	14,1	35,3	19,1	-82,2	13,0	114,1	19,5
132	10/4/13 11.50	-0,9	14,3	-70,4	14,0	30,0	19,0	-93,2	13,1	118,5	19,2
133	17/4/13 11.00	-3,8	14,4	-65,1	14,1	34,4	18,7	-82,2	13,0	108,0	19,0
134	2/5/13 10.00	-13,9	14,9	-91,5	14,6	20,6	18,9	-92,0	13,2	99,1	19,6
135	7/5/13 11.30	-15,5	15,1	-106,5	14,7	16,6	18,9	-90,3	13,0	88,5	19,4
136	16/5/13 11.00	-28,1	15,4	-124,4	14,9	14,9	19,1	-93,2	13,1	90,9	19,6
137	21/5/13 11.30	-29,7	15,6	-126,0	15,1	16,2	19,2	-83,8	13,2	84,4	19,4
138	28/5/13 10.40	-35,4	15,8	-126,4	15,4	22,7	19,4	-94,4	13,0	81,6	19,5
139	4/6/13 11.00	-46,0	15,6	-132,9	15,2	16,2	19,2	-89,1	13,1	68,2	19,4
140	13/6/13 10.00	-44,4	15,4	-135,8	15,3	25,5	19,3	-86,3	13,0	64,1	19,4
141	19/6/13 11.00	-46,0	15,6	-143,1	15,7	21,0	19,6	-79,8	13,2	54,4	19,6
142	25/6/13 10.30	-39,1	15,5	-150,0	15,8	30,8	19,4	-94,4	13,0	65,7	19,2
143	4/7/13 12.00	-36,2	15,4	-148,8	15,9	20,2	19,2	-87,9	13,2	58,8	19,3
144	11/7/13 11.00	-42,7	15,2	-161,4	15,2	26,7	19,4	-81,4	13,4	53,6	19,2
145	18/7/13 10.00	-44,4	15,4	-166,7	15,1	28,4	19,2	-79,8	13,2	47,1	19,0
146	25/7/13 10.30	-38,7	15,2	-157,3	15,2	34,9	19,4	-89,5	13,4	52,3	19,1
147	1/8/13 12.30	-40,3	15,4	-167,9	15,0	32,8	17,9	-93,6	13,4	63,3	18,0
148	6/8/13 11.30	-46,0	15,6	-163,8	15,0	22,6	17,4	-100,5	13,5	60,0	17,4
149	29/8/13 11.00	-35,4	15,8	-169,5	15,2	16,1	17,2	-109,0	13,8	54,3	17,6
150	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
151	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
152	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
153	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
154	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
155	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
156	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
157	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
158	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
159	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
160	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
161	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
162	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
163	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
164	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
165	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
166	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
167	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
168	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
169	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
170	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
171	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
172	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
173	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
174	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
175	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
176	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

Ubicazione STAZIONE CHIAIA

Opera \ \ P13

Strumento Barretta Est. per Metallo

Data posa in opera 03/09/2009

Data lettura di zero 03/09/2009

SCHEMA UBICAZIONE

STAZIONE CHIAIA

\ \ P13

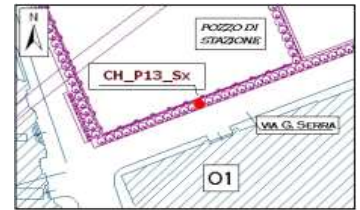
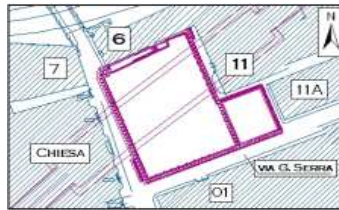


GRAFICO MICROSTRAIN

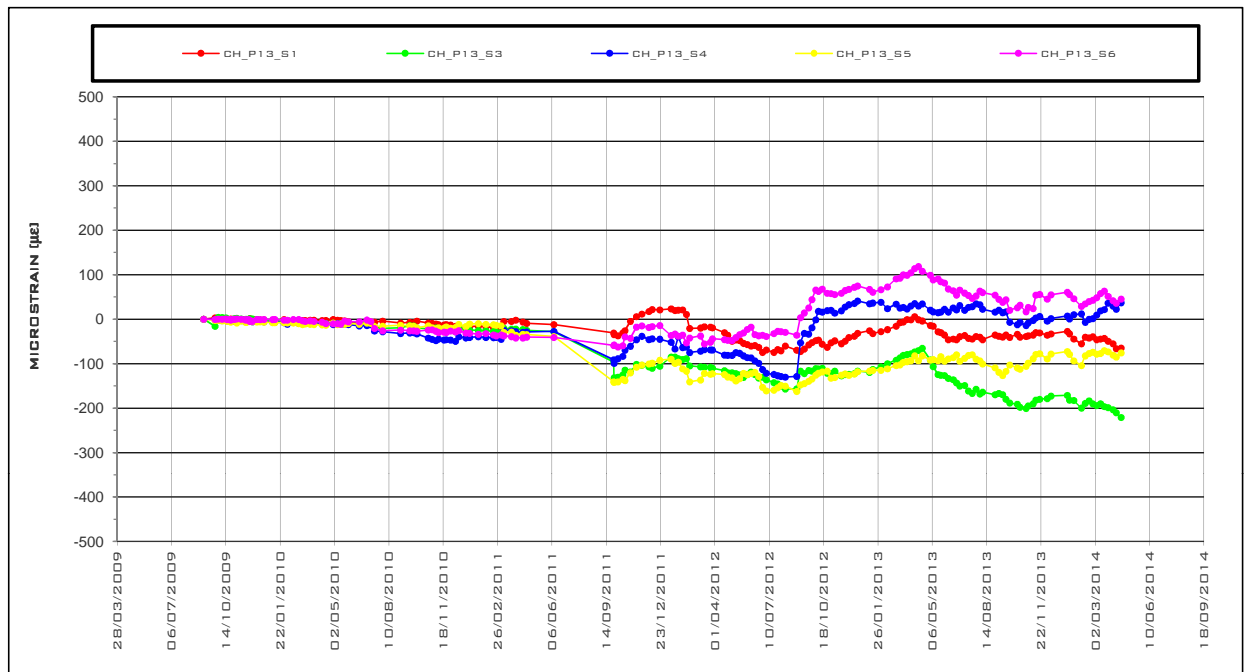
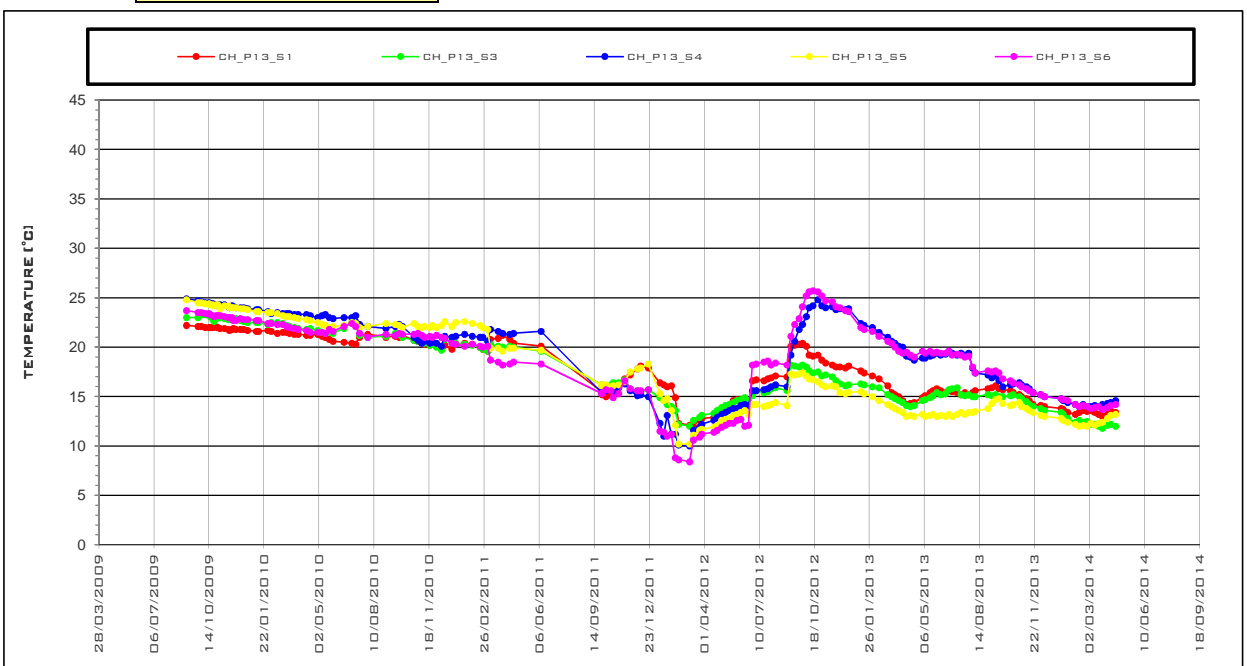
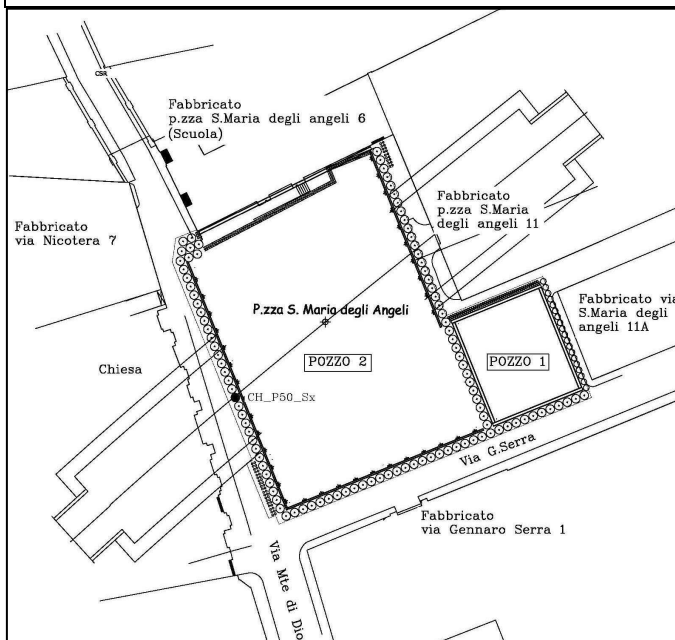


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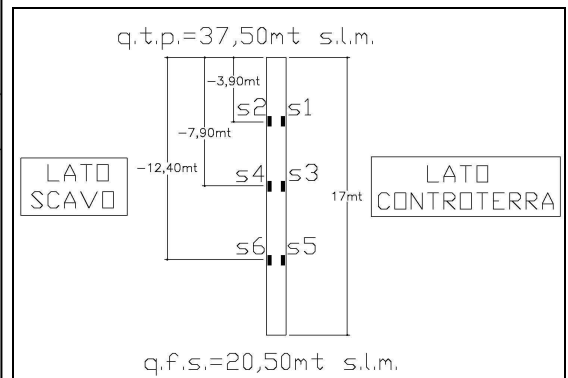


Pannello strumentato

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

 \overline{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.

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

197 in
data

18/04/2014

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]
145	31/1/13 9.30	-41,9	17,0	-80,5	17,1	-75,3	14,4	-73,6	16,8	-10,2	16,8	-22,8	16,4
146	12/2/13 10.00	-38,7	16,6	-76,0	16,8	-69,6	14,2	-74,4	16,4	-1,3	16,2	-15,5	16,0
147	28/2/13 11.00	-32,6	16,1	-75,2	16,2	-55,8	14,0	-71,2	16,0	1,9	15,8	-6,6	15,4
148	7/3/13 11.00	-29,7	16,0	-69,6	16,0	-52,5	13,6	-66,3	15,4	3,5	15,6	-5,0	15,2
149	13/3/13 11.30	-26,5	15,6	-69,6	16,0	-49,3	13,2	-61,9	15,1	6,8	15,2	4,8	15,0
150	20/3/13 11.00	-23,3	15,2	-64,7	15,4	-39,6	13,0	-55,0	15,0	12,5	15,0	8,0	14,6
151	27/3/13 11.30	-17,6	15,0	-71,2	15,2	-34,3	13,1	-53,3	14,8	14,1	14,8	10,8	14,5
152	3/4/13 11.30	-17,6	14,0	-61,4	15,0	-25,7	12,8	-50,1	14,4	33,6	14,4	18,1	14,1
153	10/4/13 12.00	-10,7	13,9	-65,5	15,0	-28,6	12,9	-44,4	14,2	44,2	14,6	12,9	14,0
154	17/4/13 11.00	-18,4	13,6	-54,9	15,2	-36,3	12,6	-50,9	14,0	33,6	14,4	2,3	13,8
155	2/5/13 10.30	-31,0	13,9	-58,2	15,6	-55,4	12,7	-56,6	14,2	32,0	14,6	-0,5	13,9
156	7/5/13 11.00	-35,5	14,2	-52,9	15,7	-58,2	12,8	-62,3	14,4	29,1	14,7	-8,3	13,6
157	16/5/13 11.30	-38,7	14,6	-54,5	15,9	-62,7	13,1	-72,4	14,9	34,4	14,8	-23,3	13,7
158	21/5/13 11.00	-33,4	14,7	-48,8	15,7	-59,9	13,0	-69,6	14,8	45,0	15,0	-13,9	13,8
159	28/5/13 11.40	-36,3	14,8	-51,7	15,8	-61,5	13,2	-76,5	14,9	59,6	15,2	-20,9	13,9
160	4/6/13 11.00	-39,1	14,9	-54,5	15,9	-68,0	13,0	-83,0	14,7	45,0	15,0	-14,4	14,1
161	13/6/13 10.00	-49,7	14,7	-47,6	15,8	-70,8	13,1	-76,1	14,6	50,3	15,1	-9,1	14,2
162	19/6/13 11.00	-51,3	14,9	-54,5	15,9	-71,2	13,4	-80,6	14,9	45,8	15,4	-12,3	14,6
163	25/6/13 10.30	-56,6	14,8	-52,9	15,7	-60,3	13,3	-80,2	14,6	59,6	15,2	-2,6	14,4
164	4/7/13 12.30	-51,3	14,9	-50,1	15,6	-55,0	13,4	-81,0	14,2	64,9	15,3	-4,2	14,6
165	11/7/13 12.00	-57,0	15,1	-48,4	15,4	-57,4	13,2	-83,8	14,3	67,7	15,2	-13,5	14,5
166	18/7/13 10.00	-54,1	15,0	-59,0	15,2	-63,1	13,4	-90,3	14,1	62,0	15,4	-13,1	14,2
167	25/7/13 10.45	-61,4	15,4	-61,8	15,3	-61,5	13,2	-74,5	14,4	46,2	15,1	-7,4	14,0
168	1/8/13 12.45	-67,9	15,2	-56,6	15,4	-68,4	13,3	-90,3	14,1	59,6	15,2	-18,4	14,1
169	6/8/13 11.45	-62,7	15,3	-54,9	15,2	-75,3	13,4	-87,5	14,0	61,2	15,0	-2,6	14,4
170	29/8/13 11.00	-67,1	15,6	-60,6	15,4	-81,0	13,6	-97,2	14,2	49,9	15,4	-11,1	14,7
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

Ubicazione STAZIONE CHIAIA

Opera \ \ P50

Strumento Barretta Est. per Metallo

Data posa in opera 03/09/2009

Data lettura di zero 03/09/2009

SCHEMA UBICAZIONE

STAZIONE CHIAIA

\ \ P50

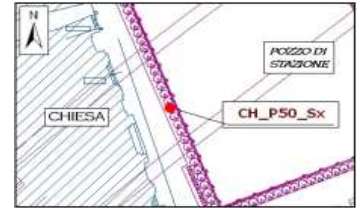
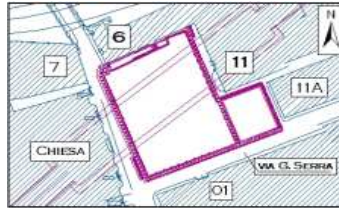


GRAFICO MICROSTRAIN

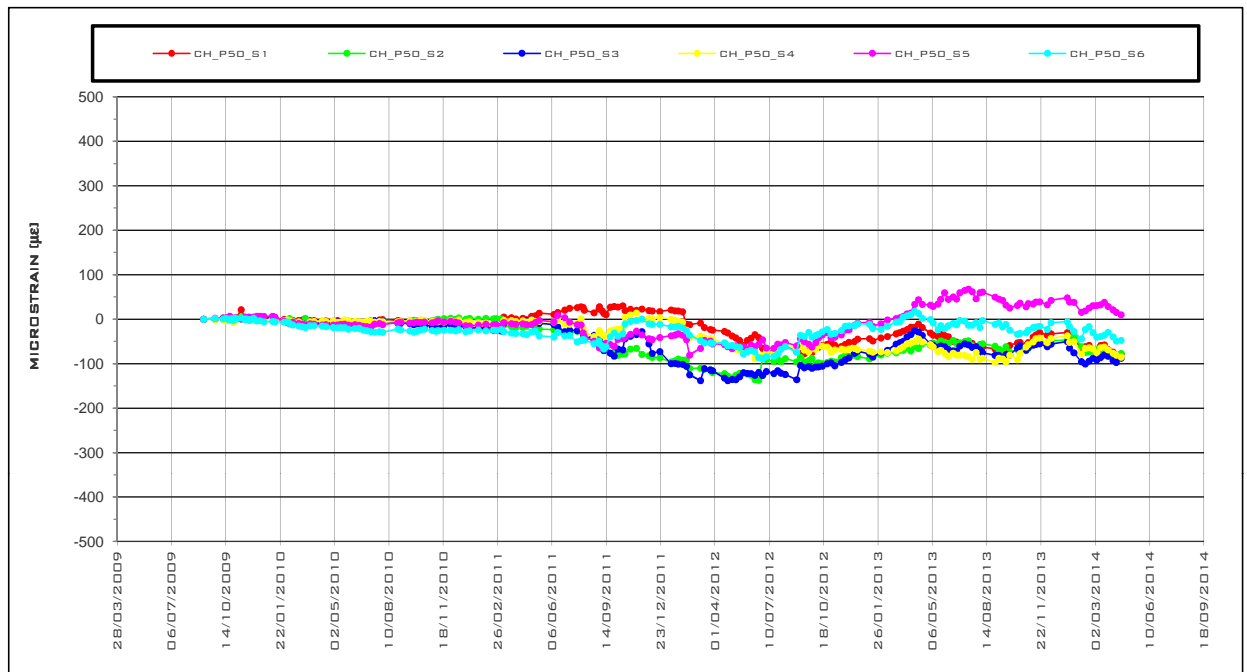
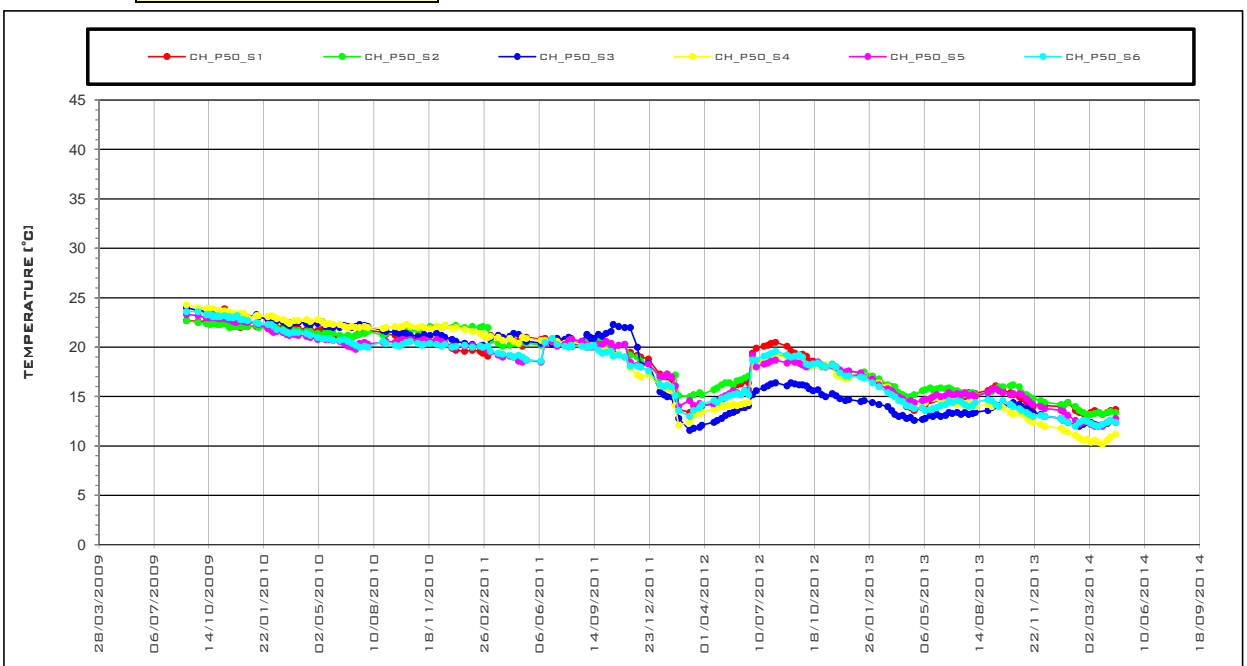
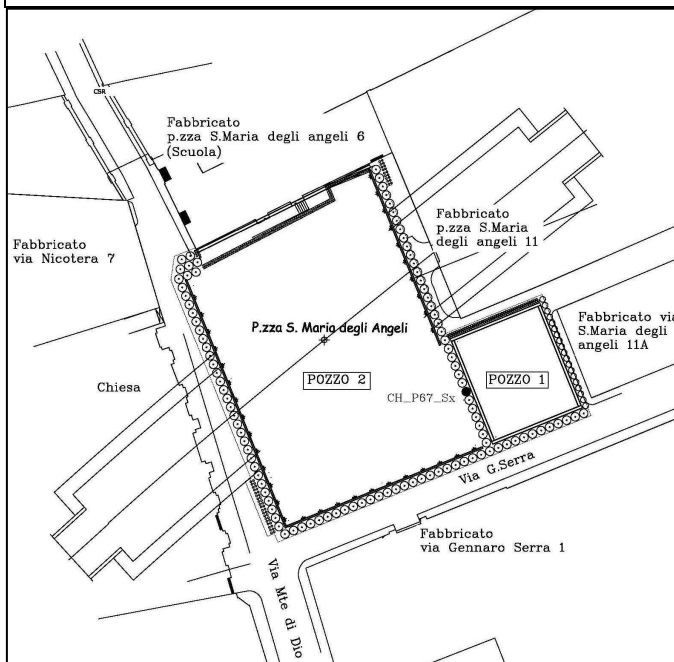


GRAFICO TEMPERATURE

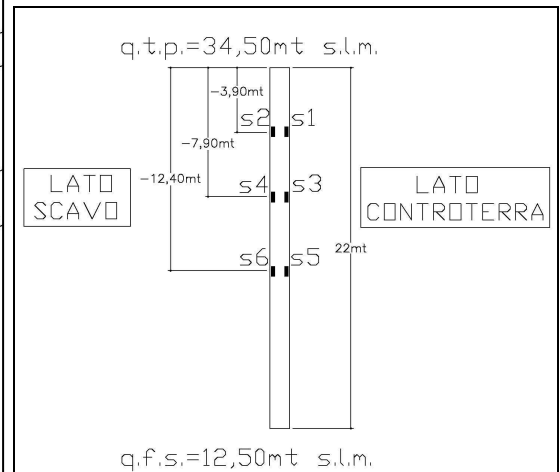


Pannello strumentato

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.

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

201

in
data

18/04/2014

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]
149	31/1/13 9.30			-110,6	16,8	-32,2	17,8	-104,1	16,2	-63,0	19,6	-150,8	18,4
150	12/2/13 10.30			-109,8	16,2	-27,3	17,2	-94,4	16,0	-53,3	19,4	-141,1	18,2
151	28/2/13 10.00			-91,5	15,7	-24,1	16,8	-88,7	15,8	-46,0	19,0	-126,8	17,7
152	7/3/13 11.00			-88,7	15,6	-22,5	16,6	-87,1	15,6	-42,7	18,6	-121,2	17,5
153	13/3/13 11.30			-84,2	15,3	-20,9	16,4	-85,4	15,4	-37,1	18,4	-122,0	17,1
154	20/3/13 11.00			-78,5	15,1	-3,8	16,8	-79,8	15,2	-32,6	18,1	-116,7	17,2
155	27/3/13 11.30			-71,6	15,0	6,0	16,6	-78,1	15,0	-29,8	18,0	-123,2	17,0
156	3/4/13 11.00			-94,4	12,8	-47,7	13,2	-170,4	12,1	-24,5	15,1	-96,4	14,2
157	10/4/13 12.00			-100,9	12,6	-42,4	13,3	-187,0	12,4	-27,4	15,2	-90,7	14,0
158	17/4/13 11.00			-95,2	12,4	-42,0	13,0	-161,0	12,2	-18,0	15,3	-101,7	14,1
159	2/5/13 11.30			-113,1	12,6	-41,2	13,4	-150,5	12,4	-22,5	15,6	-108,6	14,2
160	7/5/13 11.00			-126,9	12,8	-55,0	13,6	-163,1	12,7	-20,0	15,8	-106,2	14,4
161	16/5/13 11.30			-131,4	13,1	-66,4	14,0	-146,4	12,4	-22,9	15,9	-95,6	14,6
162	21/5/13 11.00			-126,1	13,2	-69,2	14,1	-148,0	12,6	-16,4	16,1	-106,2	14,4
163	28/5/13 11.00			-126,1	13,2	-69,2	14,1	-148,0	12,6	-16,4	16,1	-106,2	14,4
164	4/6/13 11.30			-138,3	13,2	-82,6	14,0	-156,6	12,9	-29,8	16,0	-114,3	14,4
165	13/6/13 11.00			-135,4	13,1	-76,1	14,2	-149,7	12,8	-22,1	16,3	-120,8	14,2
166	19/6/13 10.30			-145,2	13,3	-81,8	14,4	-160,6	12,9	-29,0	16,4	-126,5	14,4
167	25/6/13 10.30			-146,4	13,2	-88,3	14,2	-161,8	12,8	-23,3	16,2	-122,4	14,4
168	4/7/13 12.30			-152,1	13,4	-77,8	14,4	-159,0	12,7	-16,8	16,4	-117,1	14,5
169	11/7/13 12.00			-150,5	13,2	-84,3	14,2	-156,2	12,6	-23,3	16,2	-122,4	14,4
170	18/7/13 10.00			-156,1	13,4	-90,8	14,0	-162,7	12,4	-33,8	16,0	-128,9	14,2
171	25/7/13 10.30			-157,8	13,6	-73,7	14,4	-152,1	12,6	-20,4	16,1	-143,5	14,0
172	1/8/13 12.30			-168,3	13,4	-85,5	14,1	-161,8	12,8	-25,7	16,0	-142,3	14,1
173	6/8/13 11.30			-161,8	13,6	-94,0	14,4	-170,4	13,1	-21,3	15,7	-149,2	14,2
174	29/8/13 11.00			-171,6	13,8	-99,7	14,6	-173,2	13,2	-26,9	15,9	-146,8	14,4
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

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

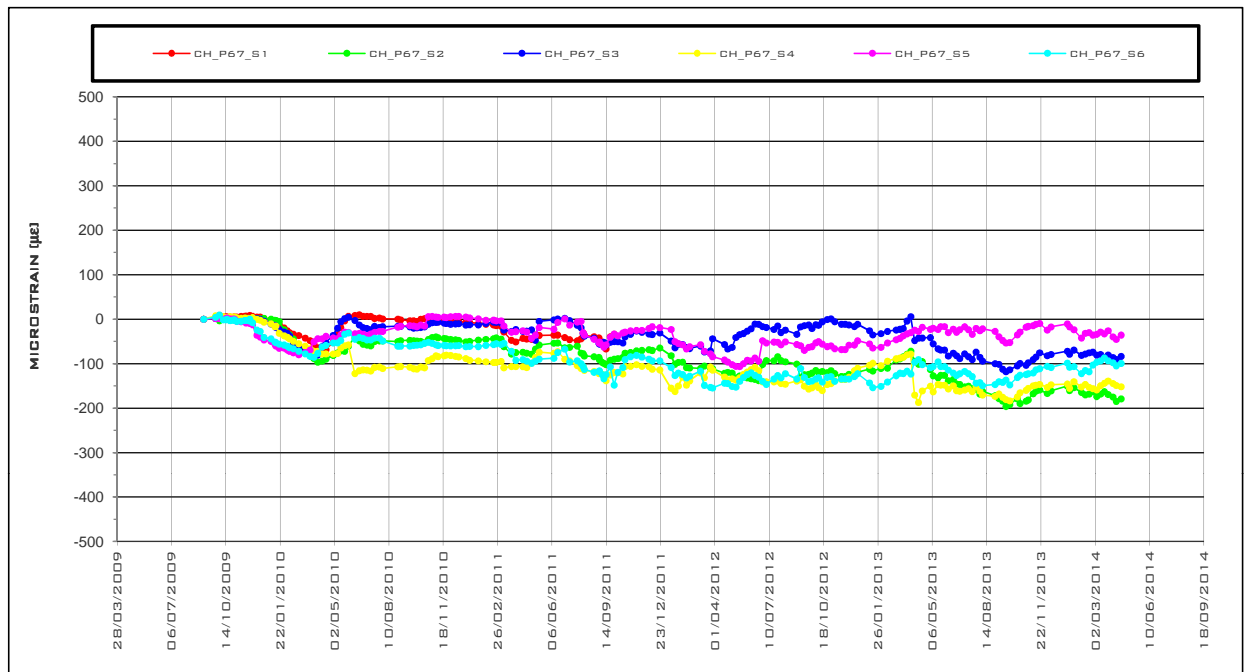
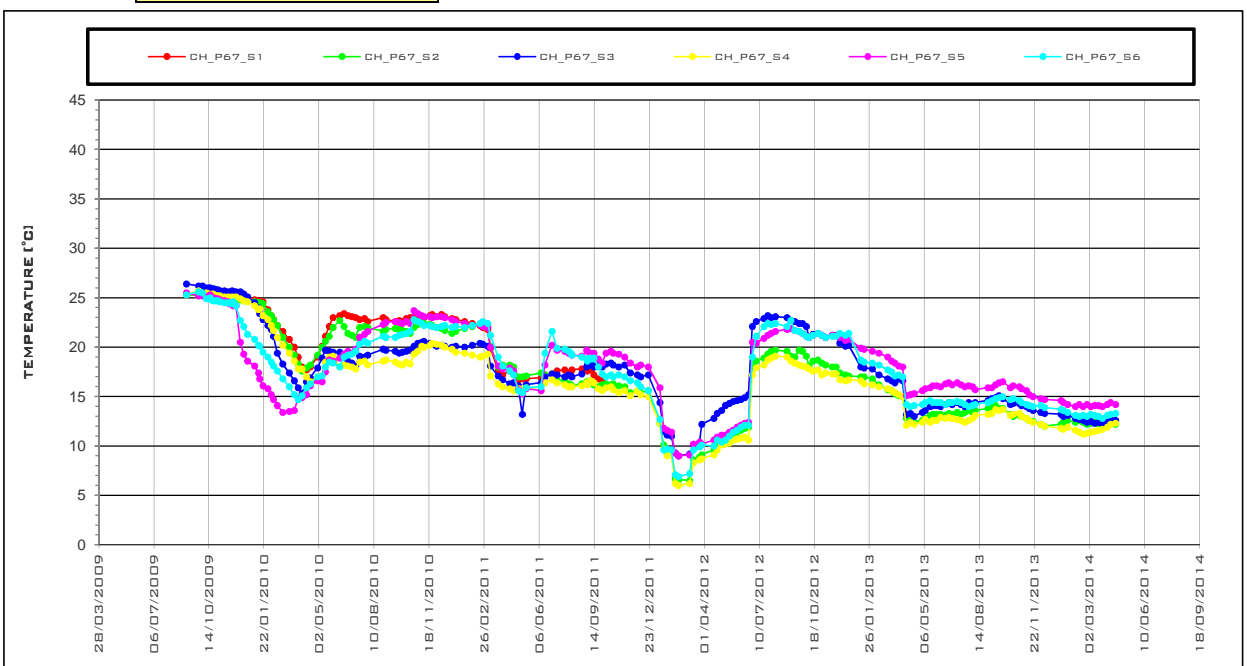


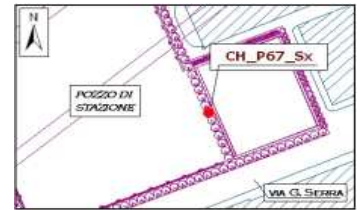
GRAFICO TEMPERATURE



SCHEMA UBICAZIONE

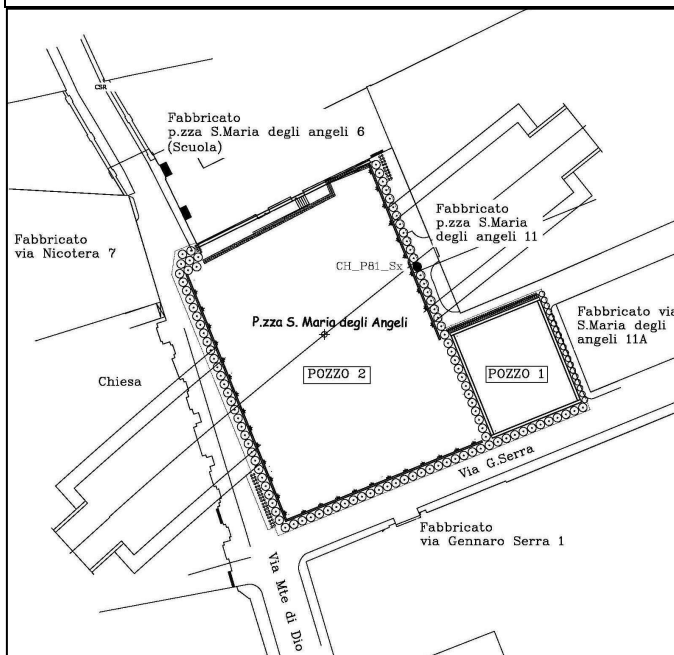
STAZIONE CHIAIA

\ \ P67

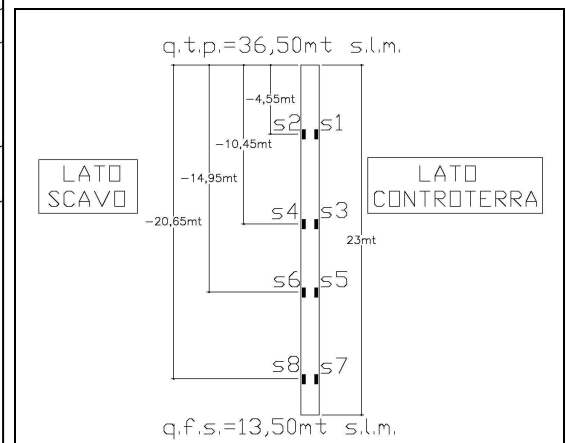


Pannello strumentato

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.

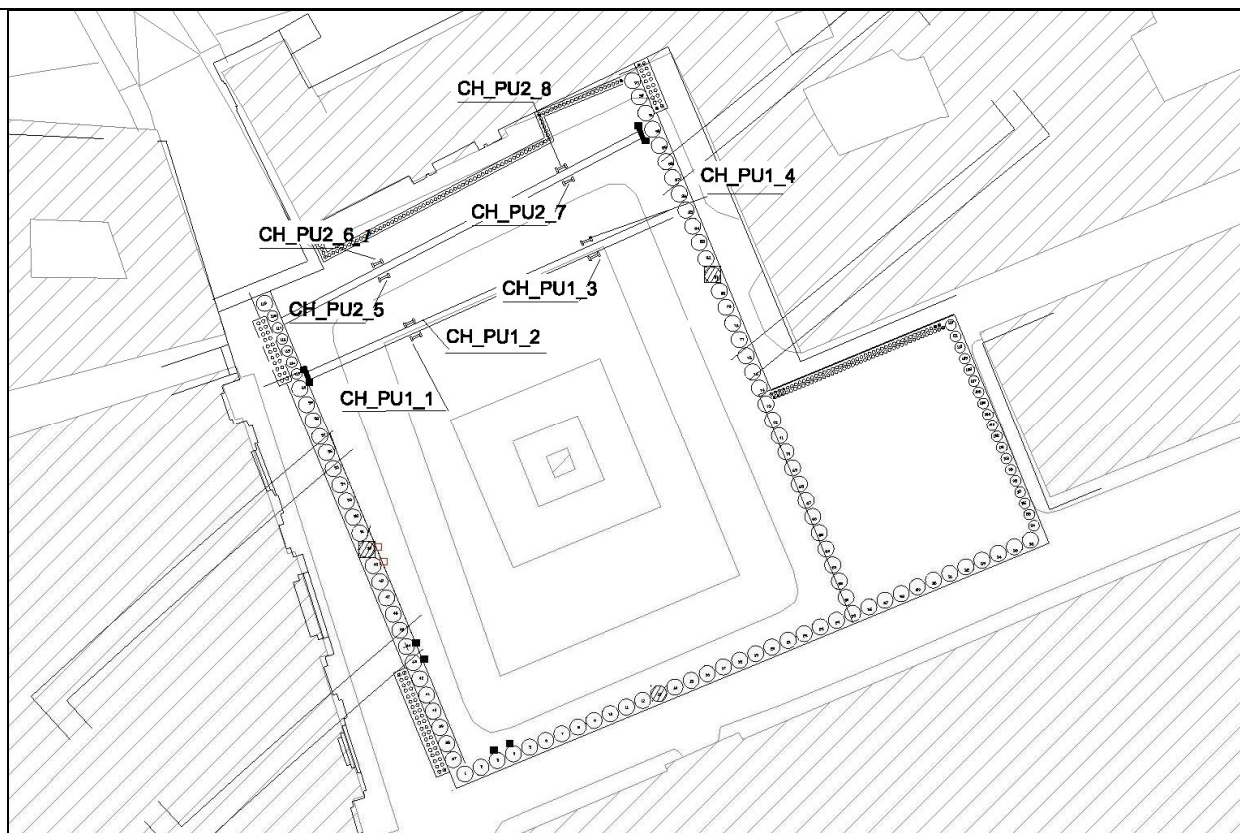
La barretta estensimetrica a c.v. CH_P81_S4 dalla data 25/03/10 non restituisce segnale

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 111 in data 18/04/2014

Lettura 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]
59	7/2/13 10.30	50,0	16,6	33,7	16,4	-14,3	15,0	-41,9	14,2
60	13/2/13 10.00	32,9	14,2	38,2	16,1	-11,0	14,6	-32,1	14,0
61	28/2/13 10.30	32,8	12,2	48,3	15,6	-3,7	14,2	-19,5	13,7
62	7/3/13 11.00	34,5	12,0	51,6	15,2	2,0	14,0	-15,1	13,4
63	13/3/13 11.30	40,1	11,8	61,3	15,0	1,2	13,6	-11,8	13,0
64	20/3/13 10.30	44,6	11,5	65,8	14,7	8,5	13,2	2,8	13,2
65	27/3/13 11.00	47,4	11,4	68,6	14,6	10,1	13,0	2,0	12,8
66	3/4/13 10.30	19,5	15,1	-12,6	16,6	-24,8	15,8	-41,1	14,6
67	10/4/13 11.00	3,2	17,1	-35,3	17,4	-32,5	18,5	-45,5	16,9
68	17/4/13 11.30	-19,1	17,6	-32,1	17,0	-29,6	18,4	-41,4	17,9
69	2/5/13 11.00	-11,4	17,9	-38,6	17,8	-30,0	18,7	-60,9	18,3
70	7/5/13 11.30	-14,6	18,3	-50,0	18,2	-42,6	19,0	-36,9	18,6
71	16/5/13 11.00	-23,1	18,6	-55,6	18,4	-66,2	18,4	-45,5	18,9
72	21/5/13 10.30	-26,0	18,7	-51,6	18,4	-62,1	19,4	-39,0	19,1
73	28/5/13 10.40	-31,7	18,9	-61,3	18,6	-67,8	19,6	-43,4	19,4
74	4/6/13 11.00	-37,3	19,1	-71,9	18,4	-70,6	19,7	-49,9	19,2
75	13/6/13 11.30	-32,1	19,2	-66,6	18,5	-67,8	19,6	-39,4	19,4
76	19/6/13 11.00	-41,8	19,4	-72,3	18,7	-72,3	19,9	-41,0	19,6
77	25/6/13 11.45	-47,9	20,9	-71,9	20,4	-70,6	20,7	-84,5	17,7
78	4/7/13 12.15	-41,0	20,8	-70,2	20,2	-63,7	20,6	-79,2	17,8
79	11/7/13 11.00	-47,5	20,6	-76,7	20,0	-70,2	20,4	-77,6	17,6
80	18/7/13 10.00	-49,1	20,8	-67,4	20,1	-76,7	20,2	-83,3	17,8
81	25/7/13 10.50	-15,3	24,9	-35,3	23,4	-66,1	22,4	-55,2	19,1
82	1/8/13 12.45	5,8	27,3	-8,8	26,9	54,6	28,3	24,9	26,0
83	6/8/13 11.45	16,0	28,8	-1,1	28,2	70,0	28,9	41,2	28,0
84	29/8/13 11.00	9,1	28,9	-6,8	28,4	45,2	28,2	47,7	28,2
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

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

SCHEMA UBICAZIONE

STAZIONE CHIAIA

\ \ Puntone 1

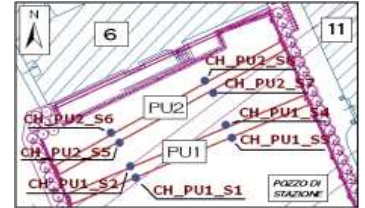
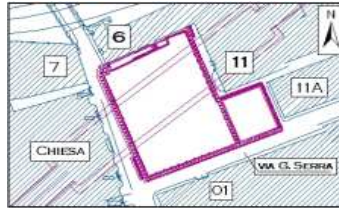


GRAFICO MICROSTRAIN

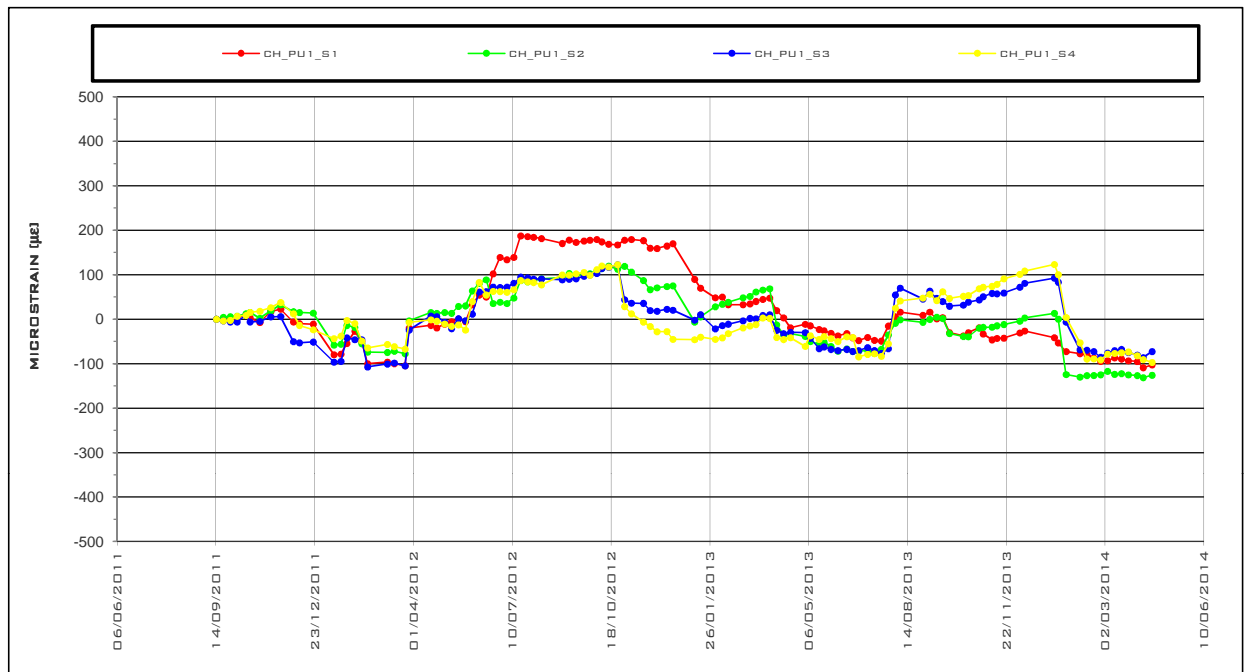
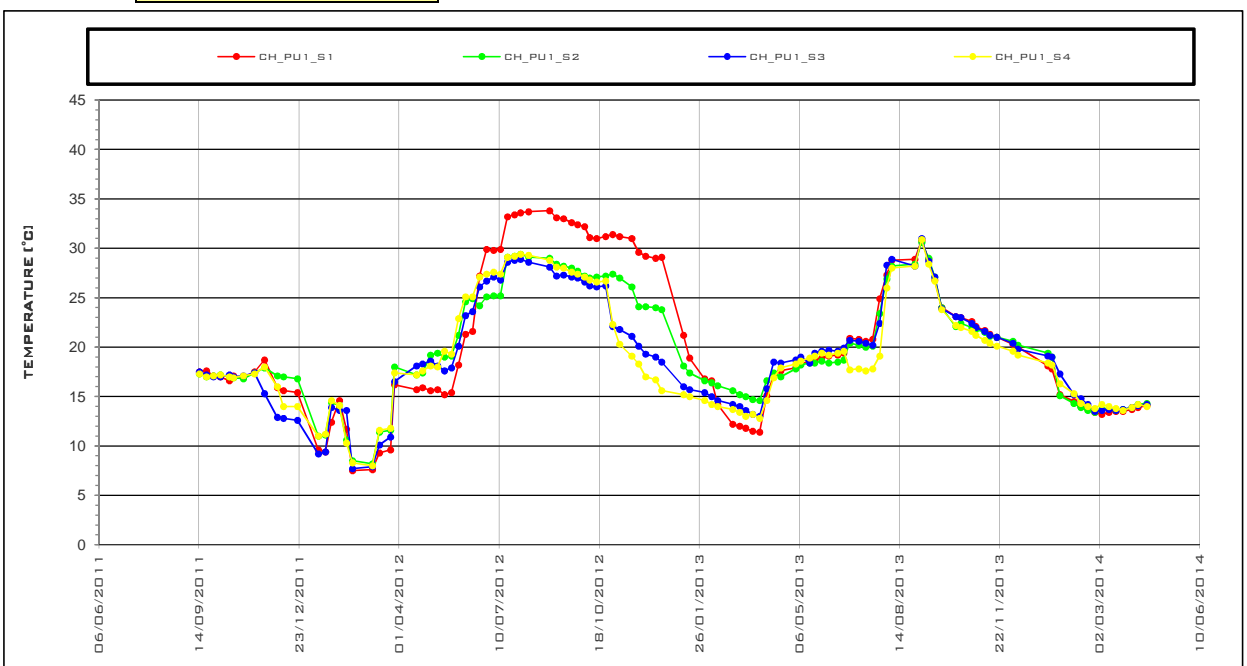


GRAFICO TEMPERATURE



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

112

in
data

18/04/2014

Lettura 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]
60	7/2/13 10.30	-32,1	14,8			-15,5	15,0	-26,8	16,0	37,8	16,0
61	13/2/13 10.00	-22,4	14,6			-11,0	14,7	-28,5	15,2	32,1	15,2
62	28/2/13 10.30	-8,2	14,1			-4,1	14,6	-22,8	15,0	37,7	15,0
63	7/3/13 11.00	-5,3	14,0			-2,5	14,4	-29,7	15,1	41,0	14,6
64	13/3/13 11.30	-3,7	13,8			-3,3	14,0	-27,7	14,6	44,2	14,2
65	20/3/13 10.30	0,7	13,5			2,4	13,8	-24,8	14,5	52,3	14,2
66	27/3/13 11.00	-0,1	13,1			4,0	13,6	-19,5	14,6	58,0	14,0
67	3/4/13 10.30	-26,0	16,3			-13,8	16,8	-104,4	16,3	11,8	16,2
68	10/4/13 11.00	-94,6	18,0			-15,5	17,0	-101,1	17,9	-31,7	17,3
69	17/4/13 11.30	-70,3	19,0			-24,4	16,6	-82,9	18,4	-39,4	17,0
70	2/5/13 11.00	-103,2	19,3			-52,0	17,0	-92,6	18,6	-53,2	17,2
71	7/5/13 11.30	-128,3	19,9			-56,5	17,3	-88,9	18,9	-58,9	17,4
72	16/5/13 11.00	-134,0	20,1			-75,6	17,4	-93,4	19,2	-64,6	17,6
73	21/5/13 10.30	-131,2	20,0			-69,1	17,6	-89,4	19,2	-67,4	17,7
74	28/5/13 10.40	-134,0	20,1			-78,4	17,5	-97,9	19,5	-69,1	17,9
75	4/6/13 11.00	-131,2	20,0			-85,3	17,6	-84,5	19,6	-66,6	18,1
76	13/6/13 11.30	-124,7	20,2			-83,7	17,4	-79,2	19,7	-61,3	18,2
77	19/6/13 11.00	-134,0	20,1			-82,9	17,8	-78,8	19,4	-67,8	18,0
78	25/6/13 11.45	-134,8	20,7			-75,5	20,4	-88,9	19,9	-59,7	20,0
79	4/7/13 12.15	-134,4	20,4			-56,8	20,6	-86,1	19,8	-54,4	20,1
80	11/7/13 11.00	-145,0	20,2			-55,2	20,4	-96,7	19,6	-59,7	20,0
81	18/7/13 10.00	-146,6	20,4			-61,7	20,2	-101,9	19,5	-54,4	20,1
82	25/7/13 10.50	-120,6	23,2			-2,4	24,4	-107,2	20,4	-4,4	23,2
83	1/8/13 12.45	-65,3	27,4			18,8	26,8	-46,6	25,7	57,0	27,9
84	6/8/13 11.45	-55,1	28,9			56,6	28,9	-19,4	28,6	55,8	28,8
85	29/8/13 11.00	-67,3	28,9			26,6	29,1	-17,7	28,4	45,2	28,6
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

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

SCHEMA UBICAZIONE

STAZIONE CHIAIA

\ \ Puntone 2

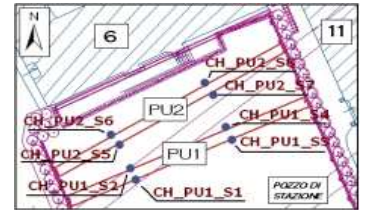


GRAFICO MICROSTRAIN

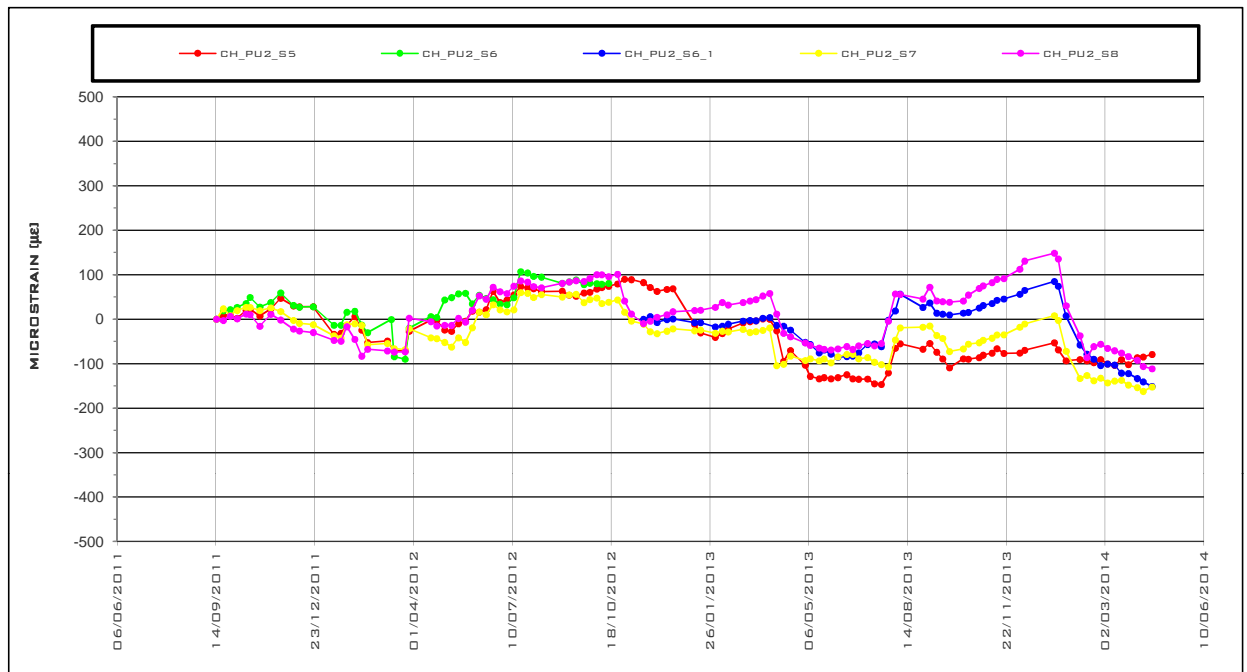
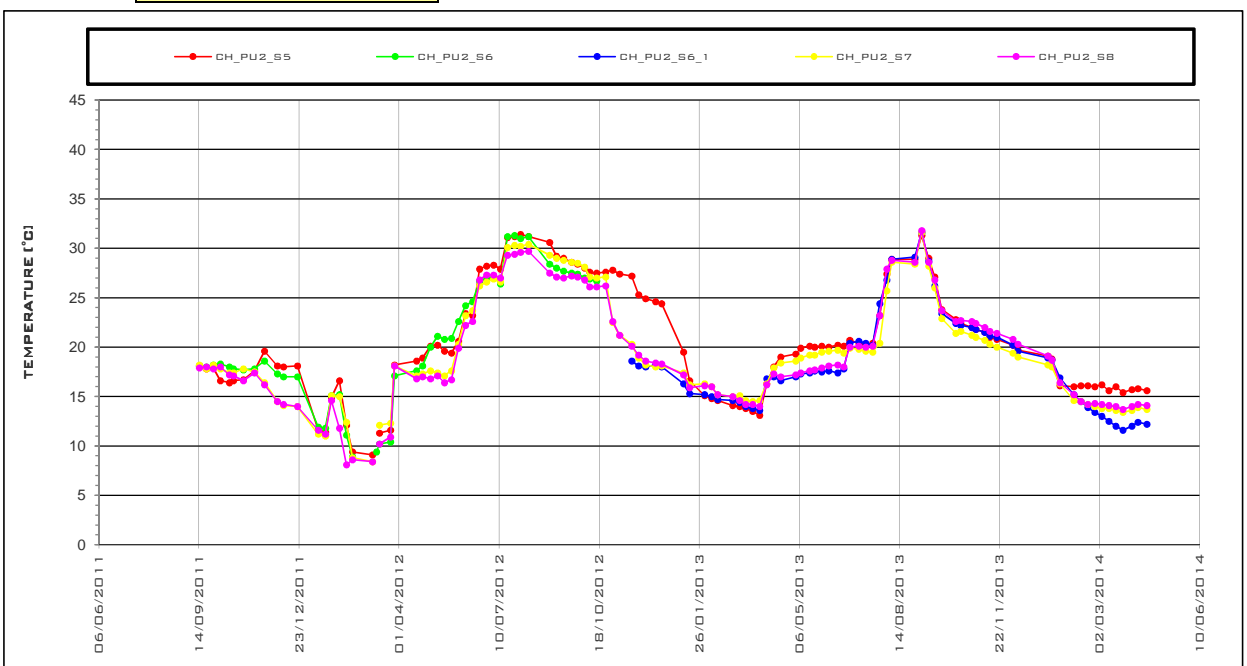



GRAFICO TEMPERATURE



 Ansaldo STS A Finmeccanica Company	LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO <i>OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO</i> <i>REPORT DELLE MISURE - STAZIONE CHIAIA</i>	
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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.


 Ansaldo STS A Finmeccanica Company	LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO REPORT DELLE MISURE - STAZIONE CHIAIA	
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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

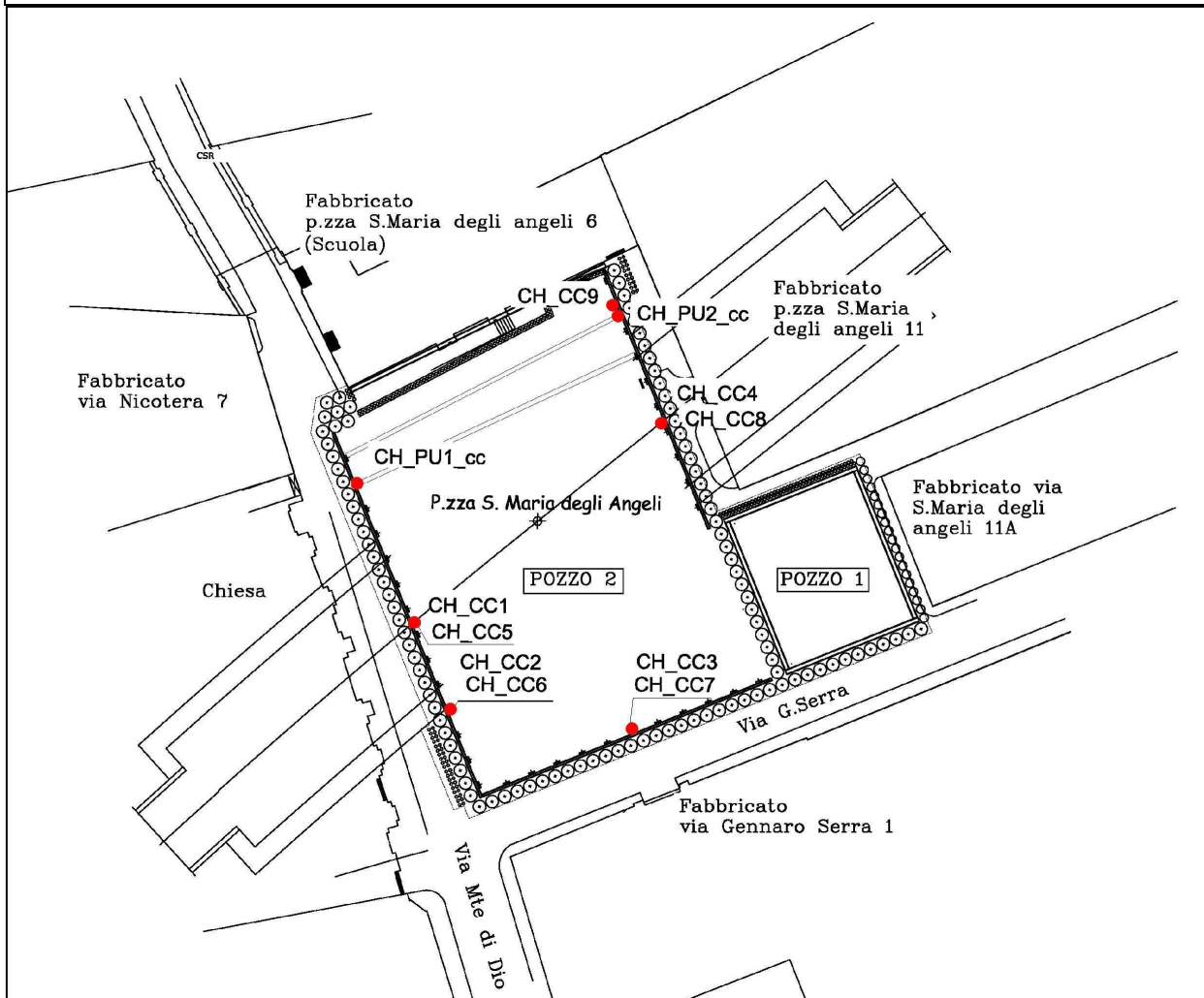
NOME	TIPOLOGIA STRUMENTO	DATA INSTALLAZIONE	DISPONIBILITA' LETTURA			NOTE
			DATA LETTURA DI ZERO	PERIODO INTERRUZIONE	DATA FINE ATTIVITA'	
SECONDO ORDINE DI TIRANTI						
CH_CC5	CC. TOROIDALI	02/08/11	02/08/11			
CH_CC6	CC. TOROIDALI	02/08/11	02/08/11			
CH_CC7	CC. TOROIDALI	16/05/11	19/07/11			
CH_CC8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

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

140

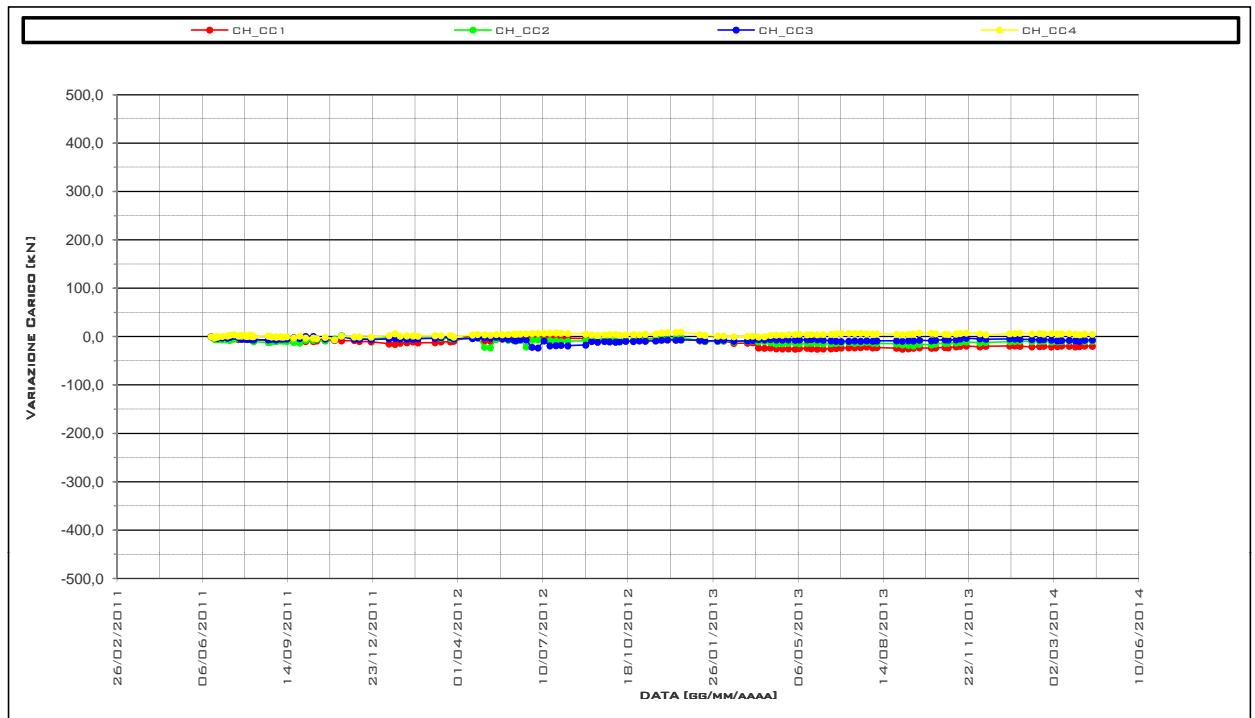
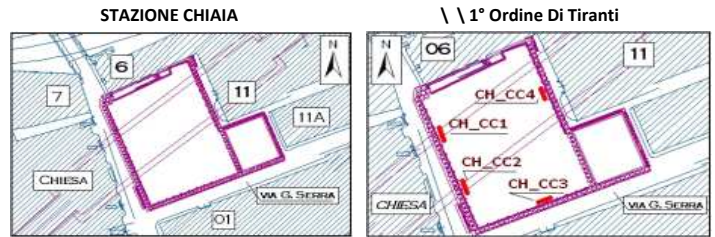
in data

16/04/2014

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]
87	31/01/2013 10.00	-9,50	291,47	-9,51	290,58	-8,50	321,03	1,00	286,88
88	07/02/2013 11.00	-9,00	291,97	-9,00	291,08	-7,50	322,03	1,50	287,38
89	19/02/2013 10.00	-14,00	286,97	-11,01	289,08	-9,50	320,03	0,00	285,88
90	07/03/2013 11.00	-13,50	287,47	-10,01	290,08	-9,00	320,53	0,50	286,38
91	13/03/2013 11.30	-12,50	288,47	-9,00	291,08	-8,00	321,53	1,00	286,88
92	20/03/2013 10.00	-23,50	277,47	-11,01	289,08	-6,00	323,53	-0,50	285,38
93	27/03/2013 10.30	-24,00	276,97	-10,01	290,08	-6,50	323,03	0,00	285,88
94	03/04/2013 10.00	-23,50	277,47	-12,51	287,58	-6,00	323,53	2,50	288,38
95	10/04/2013 10.15	-25,00	275,97	-15,01	285,07	-7,00	322,53	3,50	289,38
96	17/04/2013 10.00	-25,50	275,47	-14,51	285,57	-7,00	322,53	3,00	288,88
97	24/04/2013 11.30	-25,00	275,97	-14,01	286,07	-6,50	323,03	4,00	289,88
98	02/05/2013 10.30	-26,00	274,97	-13,51	286,58	-7,50	322,03	4,50	290,38
99	07/05/2013 10.30	-24,50	276,47	-14,51	285,57	-7,00	322,53	5,00	290,88
100	16/05/2013 11.30	-24,00	276,97	-14,01	286,07	-6,50	323,03	4,00	289,88
101	21/05/2013 10.30	-25,00	275,97	-13,51	286,58	-6,00	323,53	4,50	290,38
102	28/05/2013 11.30	-26,00	274,97	-14,01	286,07	-6,50	323,03	4,00	289,88
103	04/06/2013 11.00	-25,50	275,47	-15,01	285,07	-7,50	322,03	4,50	290,38
104	13/06/2013 11.30	-25,00	275,97	-14,51	285,57	-8,50	321,03	5,00	290,88
105	19/06/2013 11.00	-24,50	276,47	-14,01	286,07	-9,50	320,03	5,50	291,38
106	25/06/2013 11.30	-23,50	277,47	-13,51	286,58	-10,00	319,53	6,50	292,38
107	04/07/2013 12.00	-23,00	277,97	-12,01	288,08	-9,50	320,03	7,00	292,88
108	11/07/2013 11.00	-23,00	277,97	-14,01	286,07	-9,00	320,53	6,50	292,38
109	18/07/2013 10.30	-22,50	278,47	-13,01	287,08	-9,50	320,03	7,00	292,88
110	25/07/2013 11.30	-21,50	279,47	-12,01	288,08	-8,50	321,03	6,00	291,88
111	01/08/2013 12.30	-23,00	277,97	-13,51	286,58	-9,50	320,03	5,50	291,38
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

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



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

132

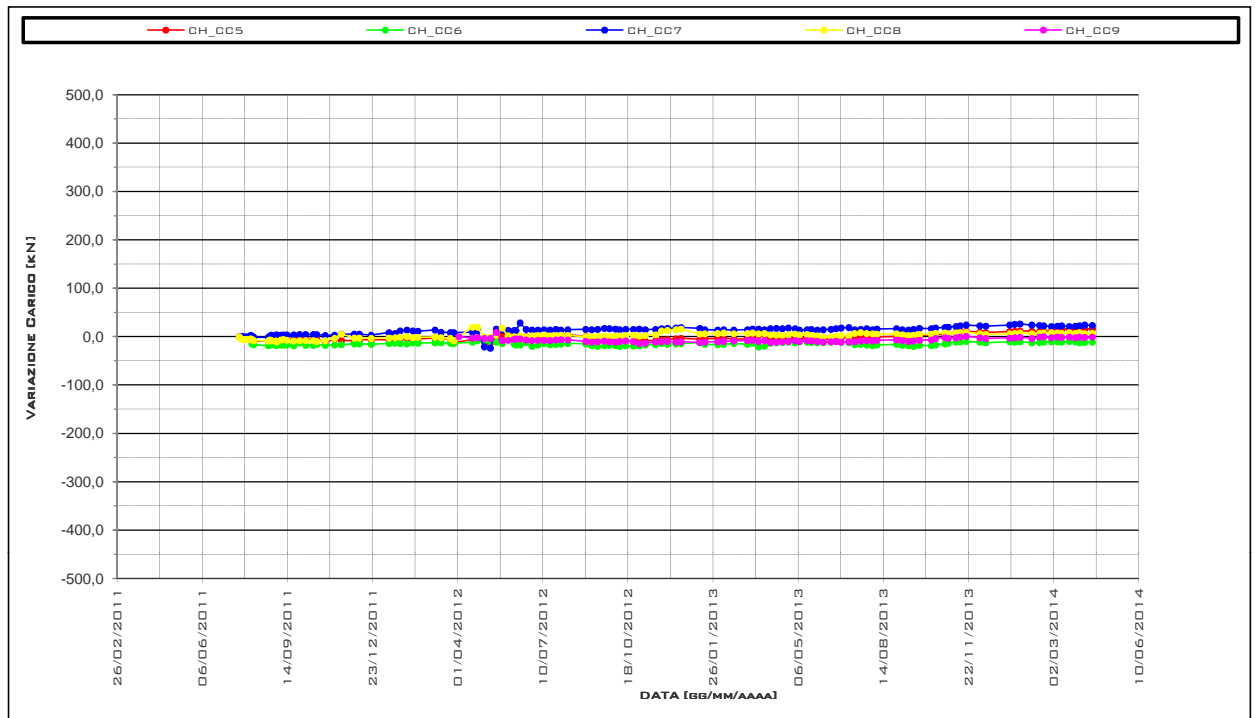
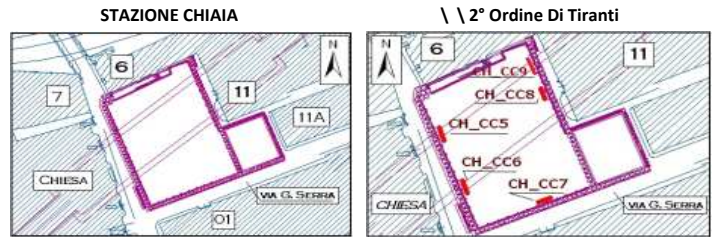
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Lettura n°	DATA	CH_CC5		CH_CC6		CH_CC7		CH_CC8		CH_CC9	
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79	31/01/2013 10.00	-3,75	535,31	-16,50	506,46	13,50	494,93	6,75	368,09	-10,50	390,75
80	07/02/2013 10.30	-3,00	536,06	-15,75	507,21	14,25	495,68	7,50	368,84	-9,75	391,50
81	19/02/2013 10.00	-5,25	533,81	-14,25	508,71	13,50	494,93	6,00	367,34	-9,00	392,25
82	07/03/2013 11.00	-4,50	534,56	-15,75	507,21	14,25	495,68	6,75	368,09	-8,25	393,00
83	13/03/2013 11.30	-3,00	536,06	-13,50	509,46	15,75	497,18	7,50	368,84	-7,50	393,75
84	20/03/2013 10.00	3,75	542,81	-21,00	501,96	15,75	497,18	6,00	367,34	-9,75	391,50
85	27/03/2013 10.30	4,50	543,56	-19,50	503,46	14,25	495,68	6,75	368,09	-8,25	393,00
86	03/04/2013 10.00	-5,25	533,81	-13,50	509,46	16,50	497,93	3,75	365,09	-12,00	389,25
87	10/04/2013 10.15	-5,25	533,81	-12,75	510,21	17,25	498,68	3,00	364,34	-11,25	390,00
88	17/04/2013 10.00	-4,50	534,56	-12,00	510,96	16,50	497,93	2,25	363,59	-10,50	390,75
89	24/04/2013 11.00	-3,75	535,31	-11,25	511,71	18,00	499,43	3,75	365,09	-9,75	391,50
90	02/05/2013 10.30	-5,25	533,81	-12,75	510,21	16,50	497,93	5,25	366,59	-8,25	393,00
91	07/05/2013 10.30	-4,50	534,56	-10,50	512,46	13,50	494,93	3,75	365,09	-9,75	391,50
92	16/05/2013 11.30	-3,75	535,31	-11,25	511,71	14,25	495,68	4,50	365,84	-8,25	393,00
93	21/05/2013 10.30	-5,25	533,81	-12,00	510,96	15,00	496,43	2,25	363,59	-9,00	392,25
94	28/05/2013 11.30	-6,75	532,31	-12,75	510,21	13,50	494,93	1,50	362,84	-9,75	391,50
95	04/06/2013 11.00	-6,00	533,06	-12,00	510,96	14,25	495,68	-0,75	360,59	-11,25	390,00
96	13/06/2013 11.30	-4,50	534,56	-11,25	511,71	15,00	496,43	0,00	361,34	-10,50	390,75
97	19/06/2013 11.00	-3,75	535,31	-9,75	513,21	16,50	497,93	0,75	362,09	-9,75	391,50
98	25/06/2013 11.30	-2,25	536,81	-11,25	511,71	18,00	499,43	2,25	363,59	-11,25	390,00
99	04/07/2013 12.30	-0,75	538,31	-12,00	510,96	18,75	500,18	1,50	362,84	-10,50	390,75
100	11/07/2013 11.00	0,00	539,06	-16,50	506,46	14,25	495,68	6,75	368,09	-10,50	390,75
101	18/07/2013 10.00	0,75	539,81	-15,75	507,21	15,00	496,43	8,25	369,59	-9,00	392,25
102	25/07/2013 11.00	1,50	540,56	-17,25	505,71	16,50	497,93	6,75	368,09	-8,25	393,00
103	01/08/2013 12.30	-0,75	538,31	-18,75	504,21	14,25	495,68	6,00	367,34	-9,00	392,25
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

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



Ubicazione STAZIONE CHIAIA

Tipo Strumento Cella di Carico

Posizione \ \ Puntoni

Data posa in opera 14/09/2011

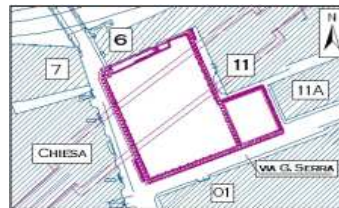
Data lettura di zero 14/09/2011

**Ultima
misura**
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in data
16/04/2014

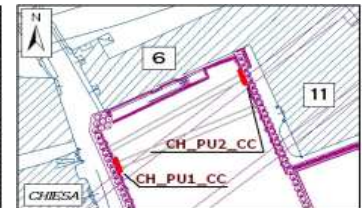
Lettura n°	DATA	CH_PU1_CC		CH_PU2_CC	
		Δ Carico [kN]	Carico [kN]	Δ Carico [kN]	Carico [kN]
60	31/01/2013 10.00	176,97	480,18	119,25	695,29
61	07/02/2013 10.30	177,72	480,93	118,50	694,54
62	19/02/2013 10.00	167,97	471,18	102,00	678,04
63	07/03/2013 11.00	169,47	472,68	102,75	678,79
64	13/03/2013 11.00	170,22	473,43	104,25	680,29
65	20/03/2013 10.00	167,97	471,18	102,75	678,79
66	27/03/2013 11.00	169,47	472,68	103,50	679,54
67	03/04/2013 11.00	158,97	462,18	89,25	665,29
68	10/04/2013 10.30	149,97	453,19	101,25	677,29
69	17/04/2013 10.00	146,97	450,19	99,00	675,04
70	24/04/2013 11.00	147,72	450,94	100,50	676,54
71	02/05/2013 10.30	141,72	444,94	101,25	677,29
72	07/05/2013 10.30	139,47	442,69	102,00	678,04
73	16/05/2013 10.30	140,22	443,44	100,50	676,54
74	21/05/2013 10.30	139,47	442,69	102,00	678,04
75	28/05/2013 11.30	140,97	444,19	100,50	676,54
76	04/06/2013 12.00	140,22	443,44	99,75	675,79
77	13/06/2013 11.00	141,72	444,94	100,50	676,54
78	19/06/2013 11.00	139,47	442,69	102,00	678,04
79	25/06/2013 11.30	136,47	439,69	100,50	676,54
80	04/07/2013 12.30	137,97	441,19	101,25	677,29
81	11/07/2013 12.30	136,47	439,69	103,50	679,54
82	18/07/2013 11.30	138,72	441,94	100,50	676,54
83	25/07/2013 11.00	132,73	435,94	99,00	675,04
84	01/08/2013 12.30	131,98	435,19	94,50	670,54
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

SCHEMA UBICAZIONE

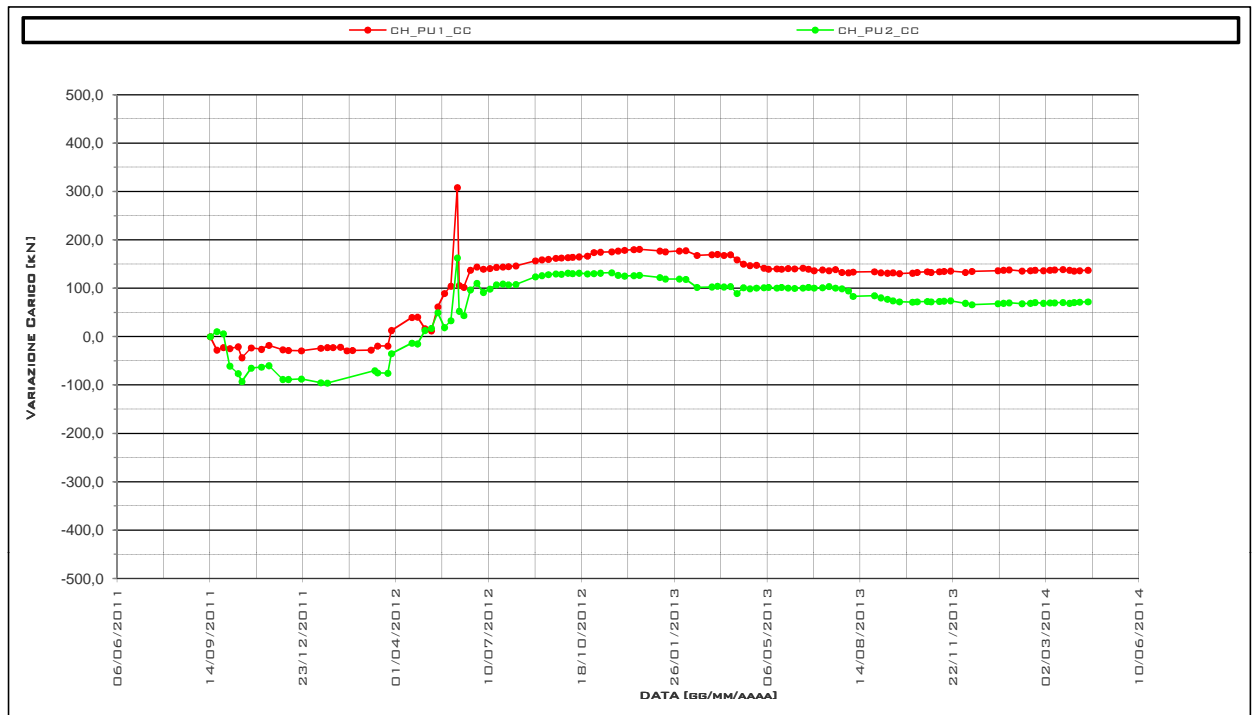
STAZIONE CHIAIA




\\ Puntoni



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



 Ansaldo STS A Finmeccanica Company	LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO <i>OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO</i> <i>REPORT DELLE MISURE - STAZIONE CHIAIA</i>	
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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.


 Ansaldo STS A Finmeccanica Company	LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO REPORT DELLE MISURE - STAZIONE CHIAIA	
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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			
CH_MO12	M. OTTICHE		15/07/11			
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	Dal 28/02/14		
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			
CH_MO28	M. OTTICHE		24/08/11			
CH_MO29	M. OTTICHE		24/08/11			
CH_MO30	M. OTTICHE		24/08/11			
CH_MO31	M. OTTICHE		29/11/11	Dal 06/03/14		
CH_MO32	M. OTTICHE		29/11/11			



 Ansaldo STS A Finmeccanica Company	LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO REPORT DELLE MISURE - STAZIONE CHIAIA	
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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			
CH_MO34	M. OTTICHE		18/07/12			
CH_MO35	M. OTTICHE		13/09/12			
CH_MO36	M. OTTICHE		13/09/12		27/02/13	SOSTITUITA
CH_MO36A	M. OTTICHE		28/03/13			Sostituisce CH_MO36
CH_MO37	M. OTTICHE		18/09/12		13/06/13	SOSTITUITA
CH_MO37A	M. OTTICHE		01/07/13			Sostituisce CH_MO37
CH_MO38	M. OTTICHE		07/02/13			
CH_MO39	M. OTTICHE		07/02/13			
CH_MO40	M. OTTICHE		14/02/13		07/11/13	DIVELTA
CH_MO41	M. OTTICHE		05/03/13			
CH_MO42	M. OTTICHE		05/03/13			
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			
CH_MO49	M. OTTICHE		28/03/13			
CH_MO50	M. OTTICHE		28/03/13			
CH_MO51	M. OTTICHE		03/04/13			
CH_MO52	M. OTTICHE		28/03/13			
CH_MO53	M. OTTICHE		28/03/13	Dal 28/02/14		
CH_MO54	M. OTTICHE		28/03/13			
CH_MO55	M. OTTICHE		28/03/13			
CH_MO56	M. OTTICHE		28/03/13			
CH_MO57	M. OTTICHE		28/03/13			
CH_MO58	M. OTTICHE		28/03/13			
CH_MO59	M. OTTICHE		28/03/13			
CH_MO60	M. OTTICHE		28/03/13			
CH_MO61	M. OTTICHE		28/03/13	Dal 28/02/14		
CH_MO62	M. OTTICHE		28/03/13			
CH_MO63	M. OTTICHE		28/03/13			
CH_MO64	M. OTTICHE		28/03/13			
CH_MO65	M. OTTICHE		06/02/14		24/03/14	DIVELTA
CH_MO66	M. OTTICHE		06/02/14			
CH_MO67	M. OTTICHE		06/02/14			
CH_MO68	M. OTTICHE		06/02/14			

 Ansaldo STS A Finmeccanica Company	LINEA 6 METROPOLITANA DI NAPOLI - PROGETTO ESECUTIVO OPERE CIVILI - MONITORAGGIO GEOTECNICO GEOREFERENZIATO REPORT DELLE MISURE - STAZIONE CHIAIA	
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NOME	TIPOLOGIA STRUMENTO	DATA INSTALLAZIONE	DISPONIBILITA' LETTURA			NOTE
			DATA LETTURA DI ZERO	PERIODO INTERRUZIONE	DATA FINE ATTIVITA'	
CH_MO69	M. OTTICHE		06/02/14			
CH_MO70	M. OTTICHE		06/02/14			Urtata (17/03/14; 24/03/14)
CH_MO71	M. OTTICHE		12/02/14			
CH_MO72	M. OTTICHE		28/02/14			
CH_MO73	M. OTTICHE		06/03/14			
CH_MO74	M. OTTICHE		06/03/14			

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 120 in data 24/04/2014

Lett. 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]
30	17/04/2012 08.00	11,0	34,7	0,0	-3,0	-3,0	11,0	34,7	1,0	-4,0	-2,0	11,0	33,0	2,0	-2,0	-2,0	11,0	32,9	2,0	-3,0	-1,0
31	02/05/2012 10.30	18,0	34,7	0,0	-1,0	0,0	18,0	34,7	2,0	-2,0	0,0	18,0	33,0	3,0	-2,0	-2,0	18,0	32,9	3,0	-3,0	0,0
32	15/05/2012 08.30	13,0	34,7	0,0	-1,0	0,0	13,0	34,7	1,0	-3,0	0,0	13,0	33,0	3,0	-3,0	-2,0	13,0	32,9	3,0	-3,0	0,0
33	23/05/2012 17.30	20,0	34,7	1,0	-1,0	-2,0	20,0	34,7	2,0	-2,0	-2,0	20,0	33,0	3,0	-1,0	-3,0	20,0	32,9	3,0	-1,0	-2,0
34	30/05/2012 08.30	18,0	34,7	1,0	0,0	1,0	18,0	34,7	1,0	0,0	0,0	18,0	33,0	4,0	-1,0	-2,0	18,0	32,9	3,0	-2,0	-1,0
35	06/06/2012 16.30	25,0	34,7	1,0	0,0	0,0	25,0	34,7	1,0	-2,0	1,0	25,0	33,0	3,0	-3,0	-2,0	25,0	32,9	3,0	-3,0	1,0
36	13/06/2012 08.30	20,0	34,7	1,0	1,0	0,0	20,0	34,7	1,0	0,0	-1,0	20,0	33,0	3,0	-1,0	-2,0	20,0	32,9	3,0	-2,0	-1,0
37	20/06/2012 16.30	31,0	34,7	2,0	1,0	0,0	31,0	34,7	2,0	0,0	0,0	31,0	33,0	3,0	-1,0	-3,0	31,0	32,9	3,0	-3,0	-1,0
38	28/06/2012 08.30	28,0	34,7	2,0	0,0	0,0	28,0	34,7	1,0	-1,0	-1,0	28,0	33,0	3,0	-2,0	-2,0	28,0	32,9	2,0	-2,0	-1,0
39	04/07/2012 19.30	29,0	34,7	2,0	0,0	0,0	29,0	34,7	2,0	0,0	0,0	29,0	33,0	3,0	-2,0	-2,0	29,0	32,9	3,0	-2,0	-1,0
40	12/07/2012 08.30	25,0	34,7	1,0	2,0	1,0	25,0	34,7	2,0	1,0	1,0	25,0	33,0	3,0	-1,0	-2,0	25,0	32,9	2,0	-1,0	-1,0
41	18/07/2012 16.30	34,0	34,7	2,0	0,0	0,0	34,0	34,7	2,0	-1,0	-1,0	34,0	33,0	4,0	-2,0	-3,0	34,0	32,9	3,0	-2,0	-1,0
42	24/07/2012 09.00	23,0	34,7	0,0	0,0	1,0	23,0	34,7	0,0	-1,0	0,0	23,0	33,0	2,0	-2,0	-3,0	23,0	32,9	2,0	-1,0	-1,0
43	01/08/2012 09.00	26,0	34,7	0,0	1,0	1,0	26,0	34,7	1,0	-1,0	0,0	26,0	33,0	2,0	-1,0	-2,0	26,0	32,9	1,0	0,0	0,0
44	09/08/2012 08.30	26,0	34,7	1,0	0,0	-1,0	26,0	34,7	2,0	0,0	0,0	26,0	33,0	3,0	-2,0	-3,0	26,0	32,9	3,0	-3,0	-1,0
45	29/08/2012 16.00	30,0	34,7	1,0	1,0	1,0	30,0	34,7	2,0	0,0	0,0	30,0	33,0	3,0	-1,0	-2,0	30,0	32,9	2,0	-2,0	-1,0
46	13/09/2012 15.00	22,0	34,7	1,0	0,0	0,0	22,0	34,7	2,0	-1,0	-1,0	22,0	33,0	3,0	-2,0	-2,0	22,0	32,9	3,0	-2,0	-1,0
47	18/09/2012 08.00	19,0	34,7	1,0	0,0	0,0	19,0	34,7	2,0	0,0	0,0	19,0	33,0	3,0	-2,0	-2,0	19,0	32,9	3,0	-1,0	0,0
48	26/09/2012 15.00	30,0	34,7	2,0	-1,0	-1,0	30,0	34,7	2,0	-1,0	0,0	30,0	33,0	4,0	-2,0	-3,0	30,0	32,9	4,0	-4,0	-2,0
49	04/10/2012 09.00	18,0	34,7	2,0	0,0	0,0	18,0	34,7	2,0	-1,0	-1,0	18,0	33,0	3,0	-3,0	-2,0	18,0	32,9	3,0	-3,0	-1,0
50	17/10/2012 08.30	14,0	34,7	2,0	-1,0	-1,0	14,0	34,7	2,0	-3,0	0,0	14,0	33,0	4,0	-4,0	-2,0	14,0	32,9	3,0	-3,0	0,0
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	-5,0	-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</							

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

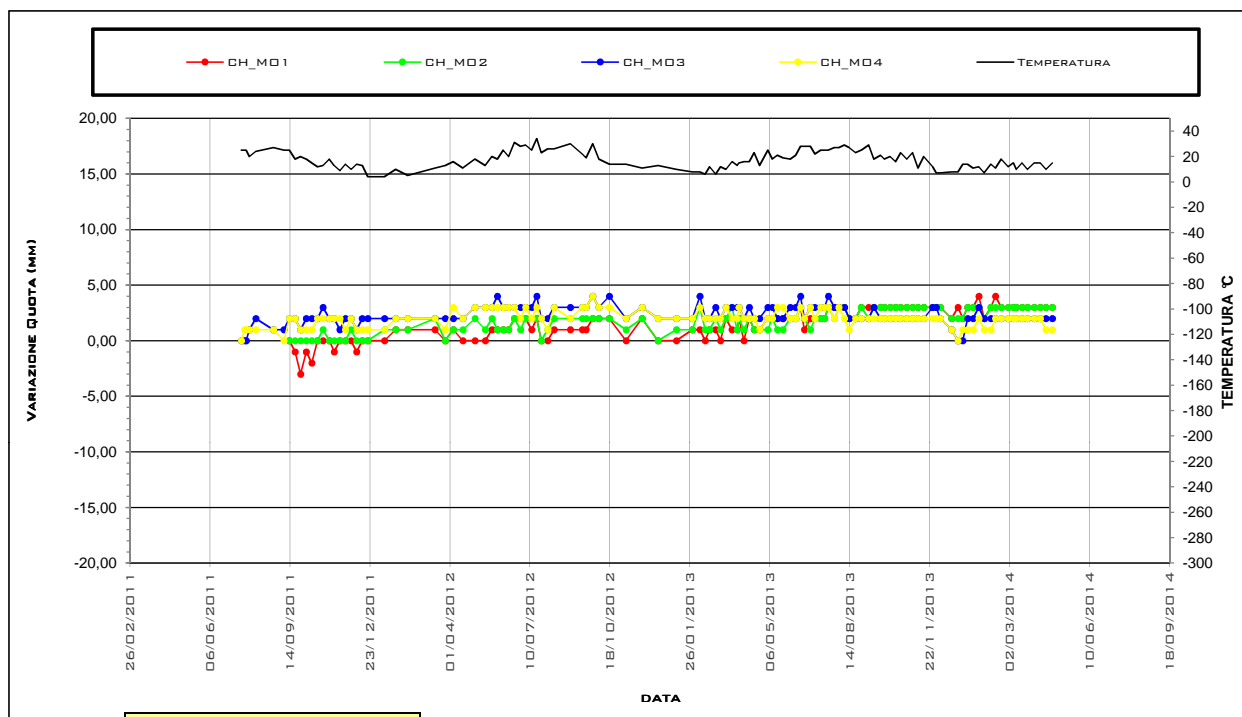
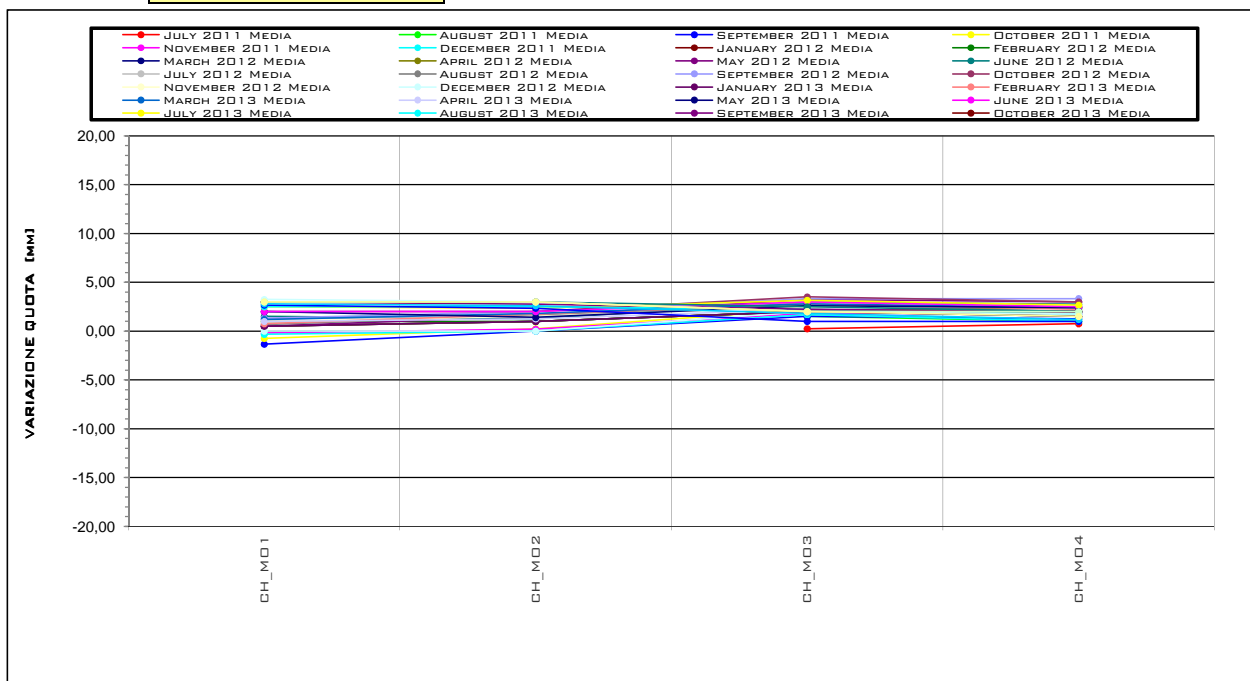


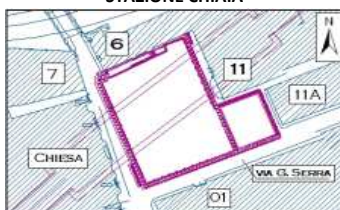
GRAFICO ISOCRONE



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

UBICAZIONE

STAZIONE CHIAIA



\ \ I Ordine di Tiranti \ 01-04

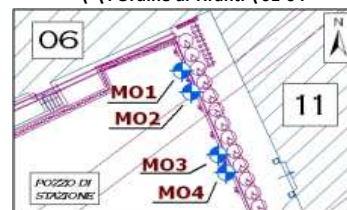


GRAFICO EST

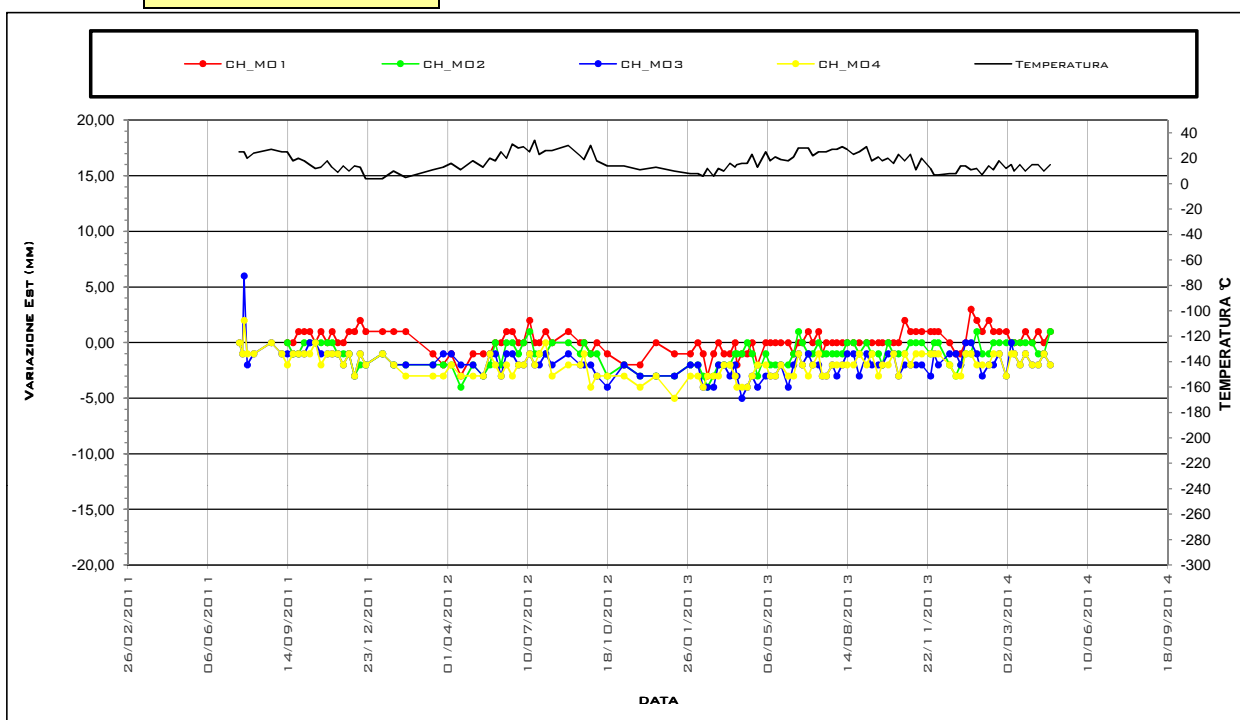
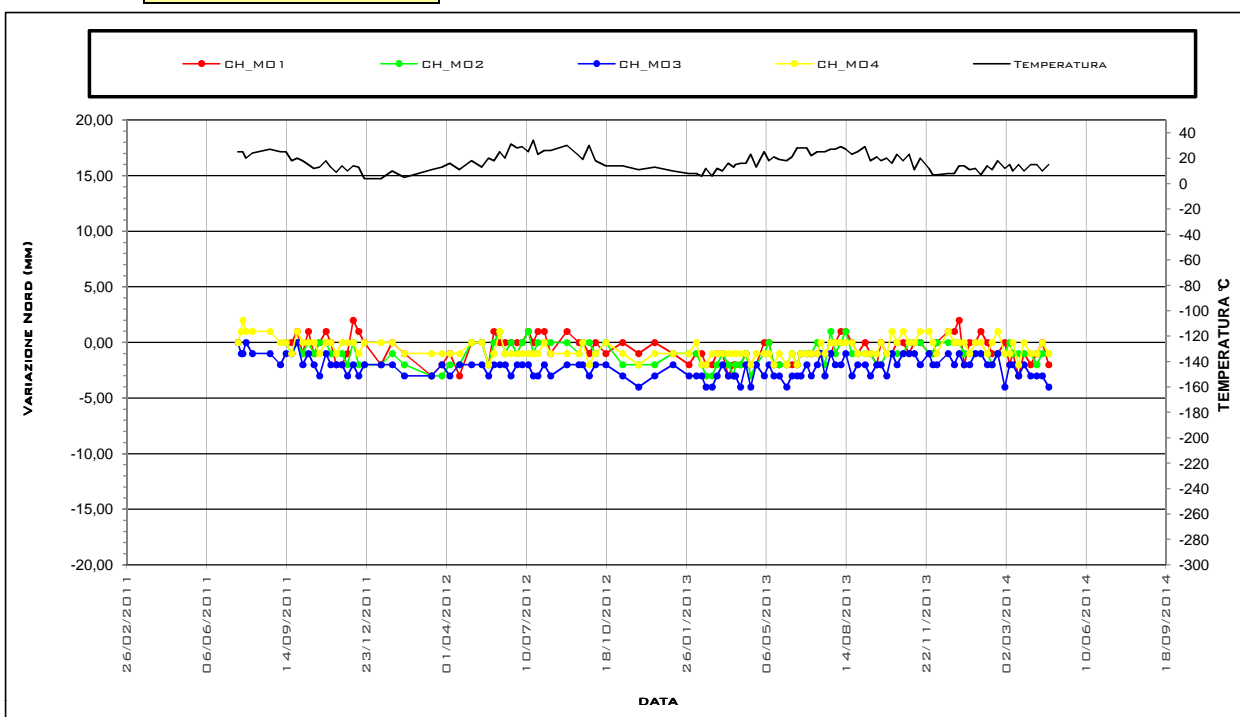


GRAFICO NORD



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 119 in data 24/04/2014

Lett. 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]
29	17/04/2012 08.00	11,0	33,2	1,0	-3,0	1,0	11,0	33,2	3,0	-3,0	1,0	11,0	33,1	0,0	-4,0	1,0	11,0	33,1	2,0	-4,0	1,0
30	02/05/2012 10.30	18,0	33,2	3,0	-6,0	2,0	18,0	33,2	3,0	-3,0	1,0	18,0	33,1	2,0	-3,0	1,0	18,0	33,1	1,0	-4,0	1,0
31	15/05/2012 08.30	13,0	33,2	3,0	-6,0	2,0	13,0	33,2	3,0	-4,0	1,0	13,0	33,1	1,0	-3,0	1,0	13,0	33,1	1,0	-4,0	0,0
32	23/05/2012 17.30	20,0	33,2	3,0	0,0	2,0	20,0	33,2	3,0	0,0	3,0	20,0	33,1	0,0	-3,0	2,0	20,0	33,1	1,0	-3,0	3,0
33	30/05/2012 08.30	18,0	33,2	2,0	-5,0	1,0	18,0	33,2	3,0	-3,0	1,0	18,0	33,1	0,0	-3,0	1,0	18,0	33,1	1,0	-3,0	3,0
34	06/06/2012 16.30	25,0	33,2	2,0	-5,0	2,0	25,0	33,2	3,0	-4,0	2,0	25,0	33,1	0,0	-4,0	2,0	25,0	33,1	0,0	-5,0	2,0
35	13/06/2012 08.30	20,0	33,2	1,0	0,0	2,0	20,0	33,2	1,0	0,0	3,0	20,0	33,1	0,0	-4,0	2,0	20,0	33,1	1,0	-4,0	3,0
36	20/06/2012 16.30	31,0	33,2	1,0	-2,0	2,0	31,0	33,2	1,0	-2,0	2,0	31,0	33,1	0,0	-5,0	1,0	31,0	33,1	1,0	-5,0	1,0
37	28/06/2012 08.30	28,0	33,2	1,0	-1,0	4,0	28,0	33,2	1,0	-1,0	4,0	28,0	33,1	0,0	-4,0	3,0	28,0	33,1	1,0	-5,0	3,0
38	04/07/2012 19.30	29,0	33,2	2,0	-4,0	2,0	29,0	33,2	1,0	-4,0	2,0	29,0	33,1	0,0	-5,0	1,0	29,0	33,1	0,0	-6,0	2,0
39	12/07/2012 08.30	25,0	33,2	2,0	-3,0	3,0	25,0	33,2	3,0	-3,0	4,0	25,0	33,1	1,0	-4,0	4,0	25,0	33,1	1,0	-5,0	4,0
40	18/07/2012 16.30	34,0	33,2	1,0	0,0	3,0	34,0	33,2	3,0	2,0	4,0	34,0	33,1	-2,0	-4,0	4,0	34,0	33,1	-1,0	-5,0	5,0
41	24/07/2012 09.00	23,0	33,2	1,0	-1,0	0,0	23,0	33,2	3,0	1,0	3,0	23,0	33,1	-2,0	-1,0	2,0	23,0	33,1	-1,0	-2,0	0,0
42	01/08/2012 09.00	26,0	33,2	0,0	0,0	0,0	26,0	33,2	3,0	1,0	3,0	26,0	33,1	-1,0	-1,0	3,0	26,0	33,1	-1,0	-2,0	1,0
43	09/08/2012 08.30	26,0	33,2	1,0	-3,0	1,0	26,0	33,2	1,0	-3,0	3,0	26,0	33,1	-2,0	-4,0	5,0	26,0	33,1	-2,0	-5,0	4,0
44	29/08/2012 16.00	30,0	33,2	1,0	-2,0	2,0	30,0	33,2	1,0	-2,0	3,0	30,0	33,1	-1,0	-5,0	3,0	30,0	33,1	-2,0	-6,0	2,0
45	13/09/2012 15.00	22,0	33,2	1,0	-1,0	4,0	22,0	33,2	1,0	-2,0	5,0	22,0	33,1	-1,0	-5,0	4,0	22,0	33,1	-1,0	-6,0	5,0
46	18/09/2012 08.00	19,0	33,2	1,0	-1,0	4,0	19,0	33,2	1,0	0,0	6,0	19,0	33,1	-2,0	-5,0	4,0	19,0	33,1	-1,0	-5,0	6,0
47	26/09/2012 15.00	30,0	33,2	2,0	-2,0	4,0	30,0	33,2	1,0	-1,0	4,0	30,0	33,1	-1,0	-4,0	4,0	30,0	33,1	-1,0	-5,0	4,0
48	04/10/2012 09.00	18,0	33,2	2,0	-4,0	2,0	18,0	33,2	1,0	-3,0	3,0	18,0	33,1	-2,0	-5,0	5,0	18,0	33,1	-1,0	-7,0	4,0
49	17/10/2012 08.30	14,0	33,2	3,0	-2,0	4,0	14,0	33,2	3,0	-1,0	5,0	14,0	33,1	-4,0	-5,0	4,0	14,0	33,1	-3,0	-5,0	5,0
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</	

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 QUOTA

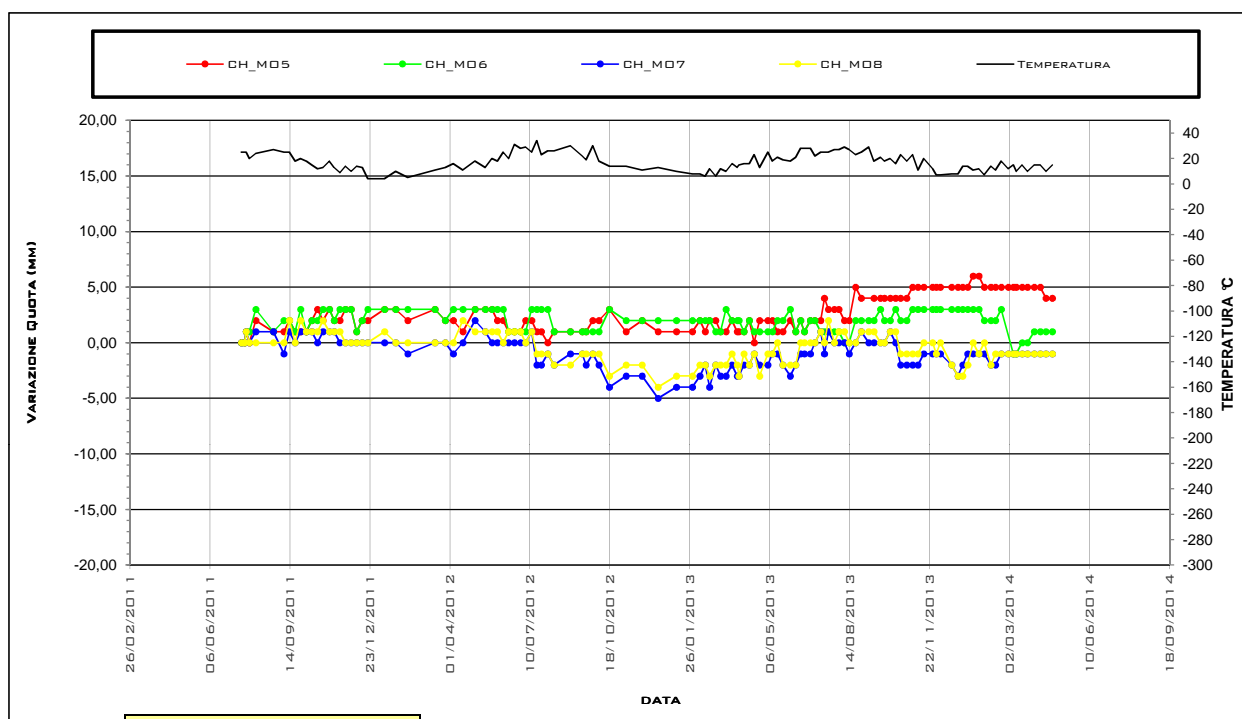
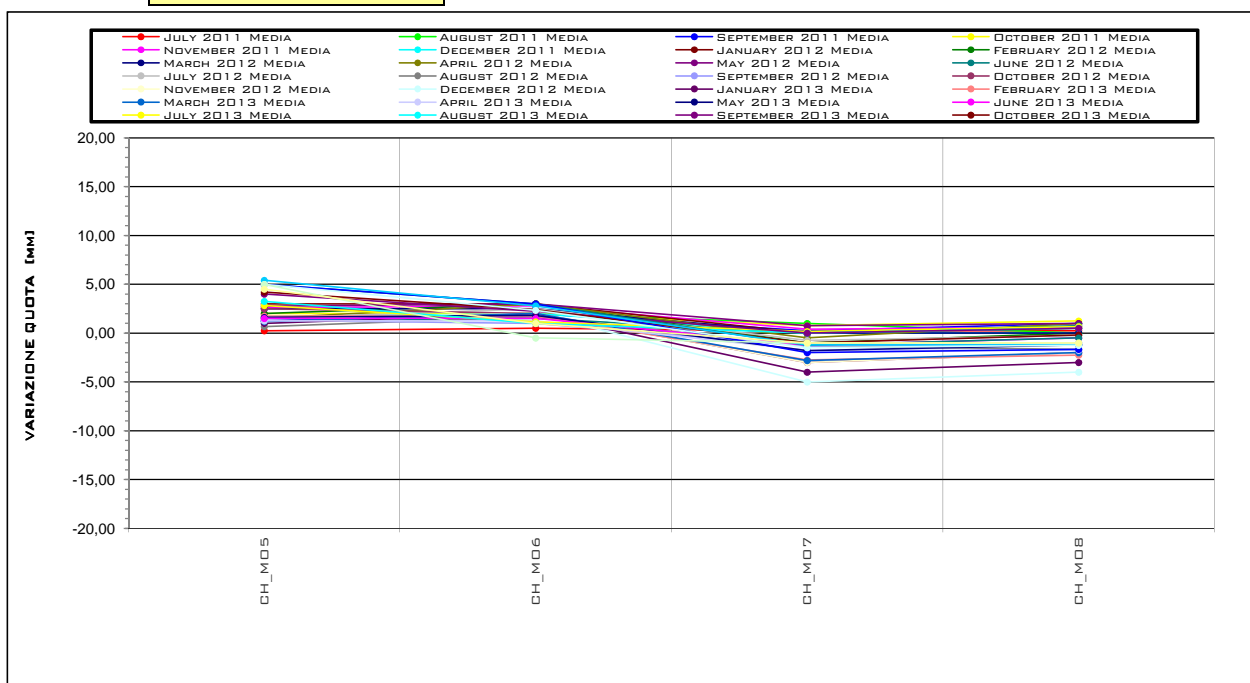


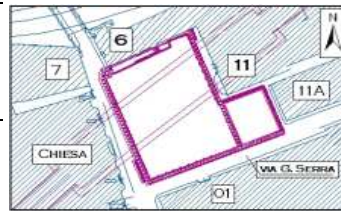
GRAFICO ISOCRONE



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

UBICAZIONE

STAZIONE CHIAIA



\ \ l Ordine di Tiranti \ 05-08

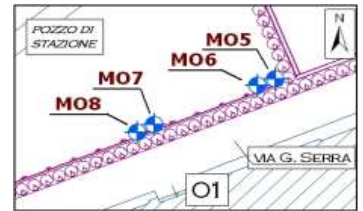


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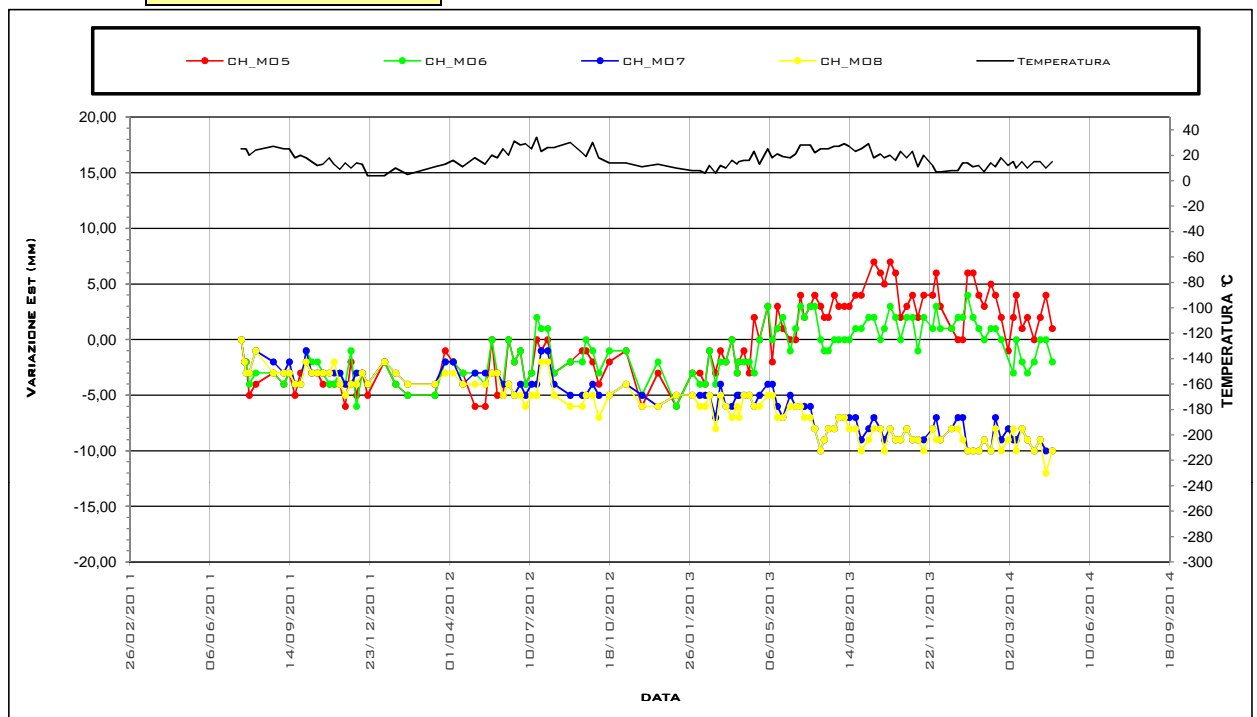
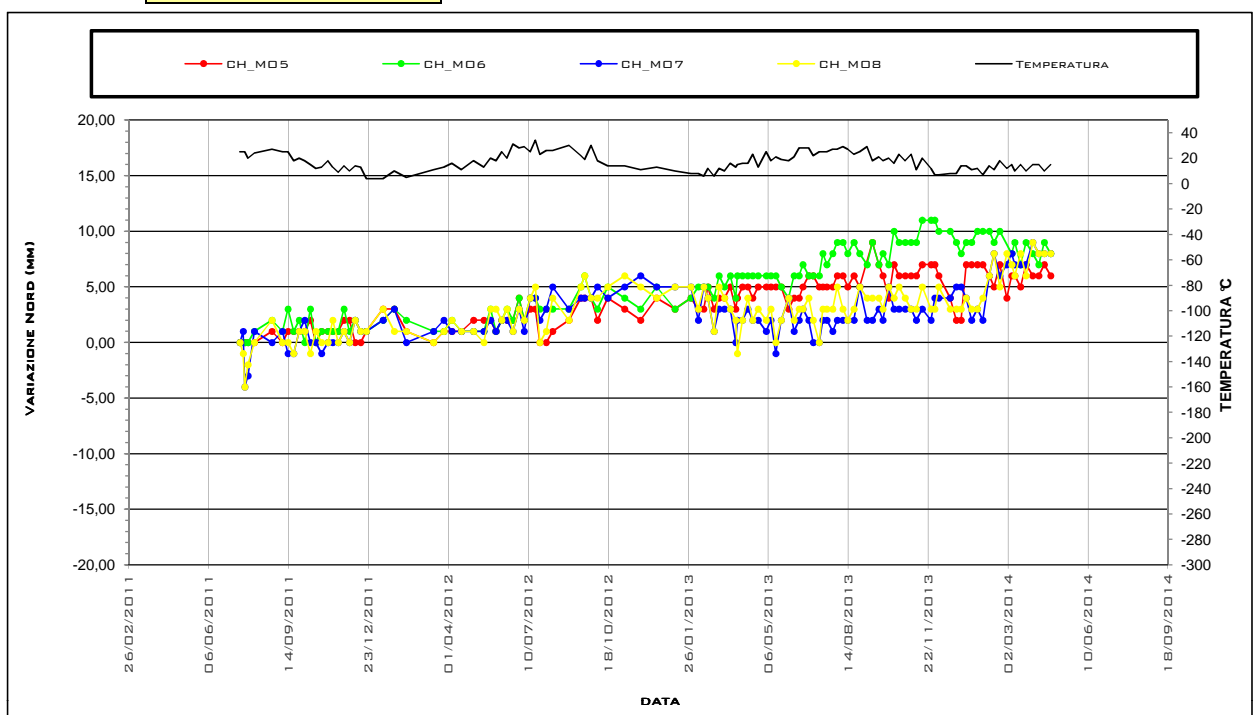


GRAFICO NORD



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 Misura 119 in data 24/04/2014

Lett. 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]
29	17/04/2012 08.00	11,0	34,1	0,0	-3,0	1,0	11,0	34,0	-1,0	-1,0	2,0	11,0	34,0	1,0	-3,0	2,0	11,0	34,1	1,0	-2,0	2,0
30	02/05/2012 10.30	18,0	34,1	1,0	-2,0	0,0	18,0	34,0	0,0	-1,0	2,0	18,0	34,0	2,0	-3,0	2,0	18,0	34,1	2,0	-1,0	1,0
31	15/05/2012 08.30	13,0	34,1	0,0	-4,0	-1,0	13,0	34,0	0,0	-1,0	1,0	13,0	34,0	1,0	-3,0	1,0	13,0	34,1	2,0	0,0	0,0
32	23/05/2012 17.30	20,0	34,1	1,0	-2,0	1,0	20,0	34,0	0,0	-1,0	2,0	20,0	34,0	0,0	-2,0	2,0	20,0	34,1	1,0	-1,0	2,0
33	30/05/2012 08.30	18,0	34,1	0,0	-2,0	0,0	18,0	34,0	0,0	-1,0	2,0	18,0	34,0	0,0	-2,0	2,0	18,0	34,1	2,0	-2,0	1,0
34	06/06/2012 16.30	25,0	34,1	0,0	-4,0	1,0	25,0	34,0	-1,0	-1,0	3,0	25,0	34,0	0,0	-2,0	1,0	25,0	34,1	1,0	-2,0	2,0
35	13/06/2012 08.30	20,0	34,1	0,0	-3,0	1,0	20,0	34,0	0,0	-1,0	2,0	20,0	34,0	0,0	-2,0	2,0	20,0	34,1	1,0	0,0	1,0
36	20/06/2012 16.30	31,0	34,1	0,0	-4,0	-1,0	31,0	34,0	0,0	-1,0	-1,0	31,0	34,0	1,0	-1,0	0,0	31,0	34,1	1,0	-1,0	0,0
37	28/06/2012 08.30	28,0	34,1	0,0	-4,0	1,0	28,0	34,0	1,0	-1,0	1,0	28,0	34,0	1,0	-2,0	3,0	28,0	34,1	1,0	-3,0	3,0
38	04/07/2012 19.30	29,0	34,1	0,0	-6,0	0,0	29,0	34,0	0,0	-2,0	0,0	29,0	34,0	0,0	-3,0	1,0	29,0	34,1	0,0	-3,0	1,0
39	12/07/2012 08.30	25,0	34,1	0,0	-4,0	0,0	25,0	34,0	0,0	-1,0	1,0	25,0	34,0	0,0	-1,0	2,0	25,0	34,1	0,0	-2,0	1,0
40	18/07/2012 16.30	34,0	34,1	-2,0	-4,0	1,0	34,0	34,0	-1,0	-1,0	0,0	34,0	34,0	0,0	-1,0	2,0	34,0	34,1	-1,0	-3,0	2,0
41	24/07/2012 09.00	23,0	34,1	-2,0	-2,0	-3,0	23,0	34,0	-1,0	1,0	2,0	23,0	34,0	-1,0	0,0	1,0	23,0	34,1	-1,0	-1,0	-2,0
42	01/08/2012 09.00	26,0	34,1	-2,0	-3,0	-2,0	26,0	34,0	-1,0	2,0	2,0	26,0	34,0	-1,0	0,0	0,0	26,0	34,1	-1,0	-1,0	-1,0
43	09/08/2012 08.30	26,0	34,1	-2,0	-4,0	1,0	26,0	34,0	-1,0	-1,0	1,0	26,0	34,0	-1,0	-1,0	3,0	26,0	34,1	-2,0	-1,0	2,0
44	29/08/2012 16.00	30,0	34,1	-1,0	-5,0	1,0	30,0	34,0	-1,0	-1,0	0,0	30,0	34,0	0,0	-2,0	1,0	30,0	34,1	0,0	-4,0	1,0
45	13/09/2012 15.00	22,0	34,1	-1,0	-4,0	2,0	22,0	34,0	-1,0	-2,0	1,0	22,0	34,0	0,0	-2,0	2,0	22,0	34,1	0,0	-3,0	3,0
46	18/09/2012 08.00	19,0	34,1	-2,0	-4,0	3,0	19,0	34,0	-1,0	-1,0	2,0	19,0	34,0	0,0	-1,0	3,0	19,0	34,1	0,0	-3,0	3,0
47	26/09/2012 15.00	30,0	34,1	-1,0	-4,0	2,0	30,0	34,0	0,0	-1,0	1,0	30,0	34,0	0,0	-1,0	1,0	30,0	34,1	0,0	-3,0	2,0
48	04/10/2012 09.00	18,0	34,1	-2,0	-4,0	2,0	18,0	34,0	-1,0	-2,0	2,0	18,0	34,0	0,0	-2,0	3,0	18,0	34,1	0,0	-4,0	2,0
49	17/10/2012 08.30	14,0	34,1	-3,0	-3,0	2,0	14,0	34,0	-2,0	0,0	2,0	14,0	34,0	-2,0	-1,0	3,0	14,0	34,1	-2,0	-2,0	3,0
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	1,0	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					

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

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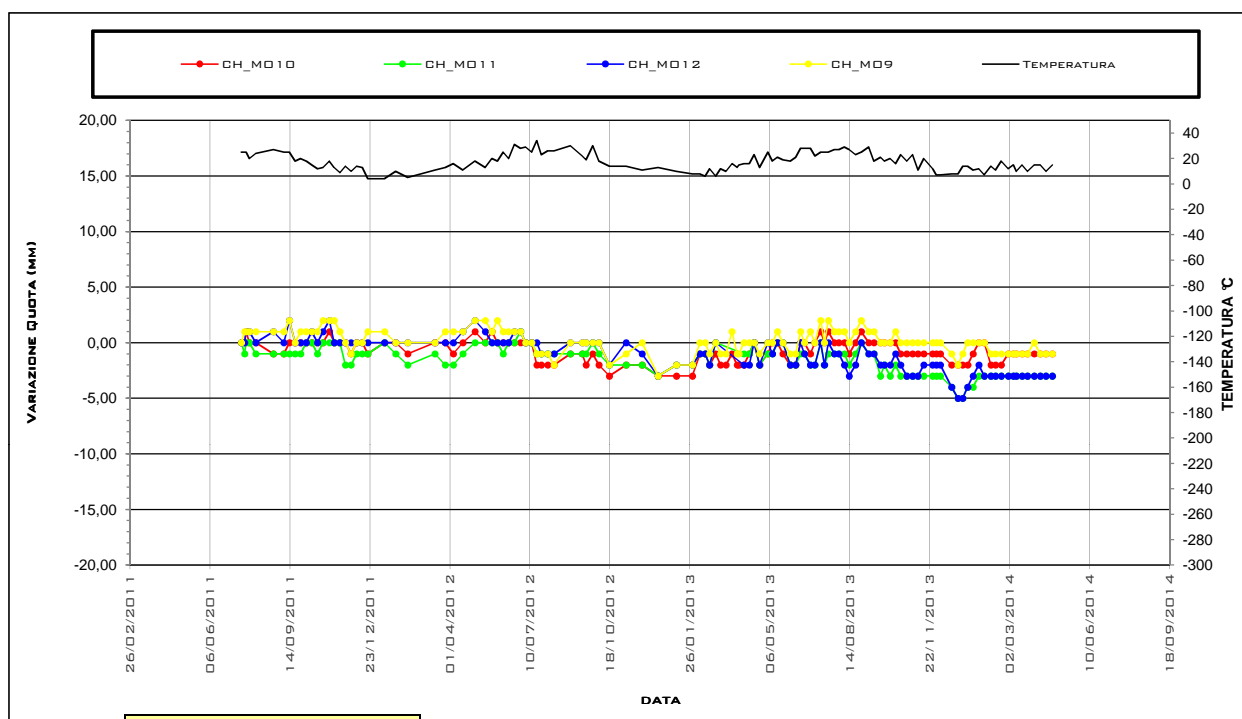
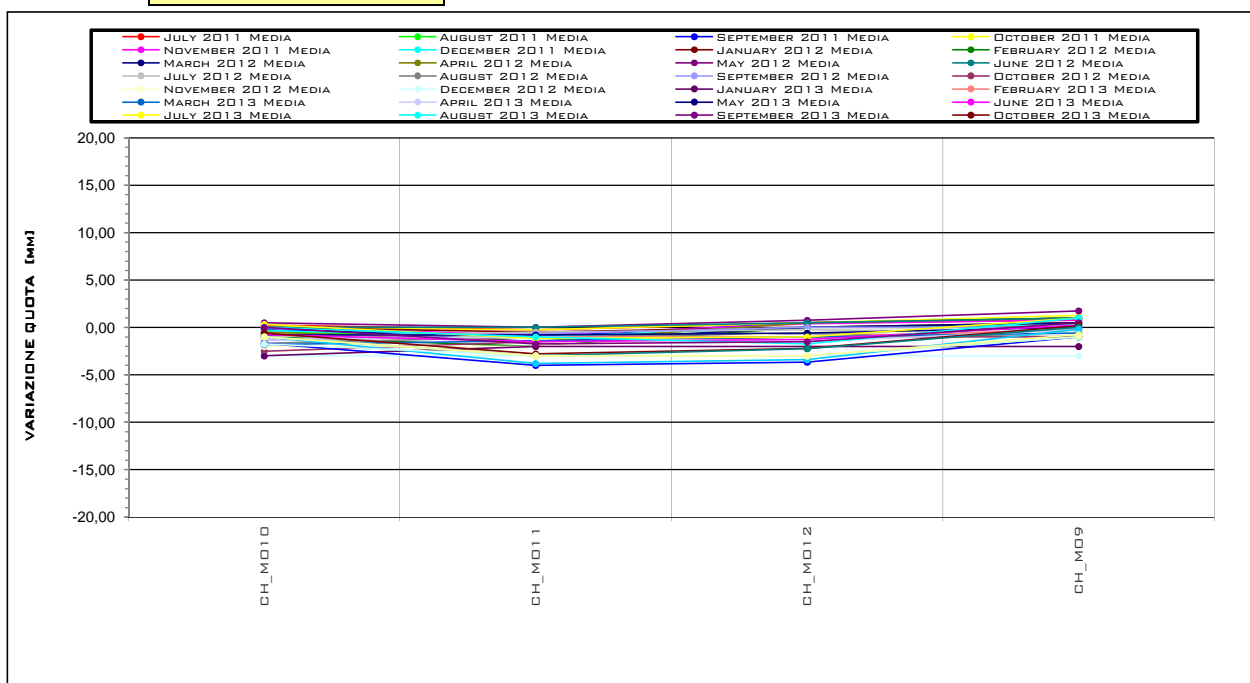


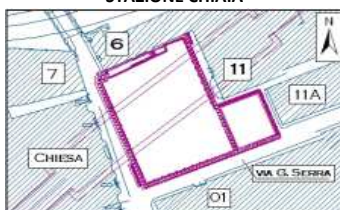
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Ubicazione STAZIONE CHIAIA
Opera \ \ l Ordine di Tiranti \ 09-
Tipo Strumento Mire Ottiche
Data posa in opera 15/07/2011
Data lettura di zero 15/07/2011

UBICAZIONE

STAZIONE CHIAIA



\ \ l Ordine di Tiranti \ 09-12

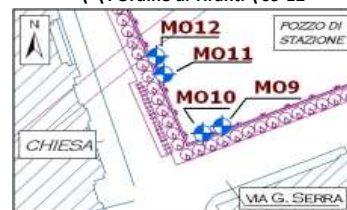


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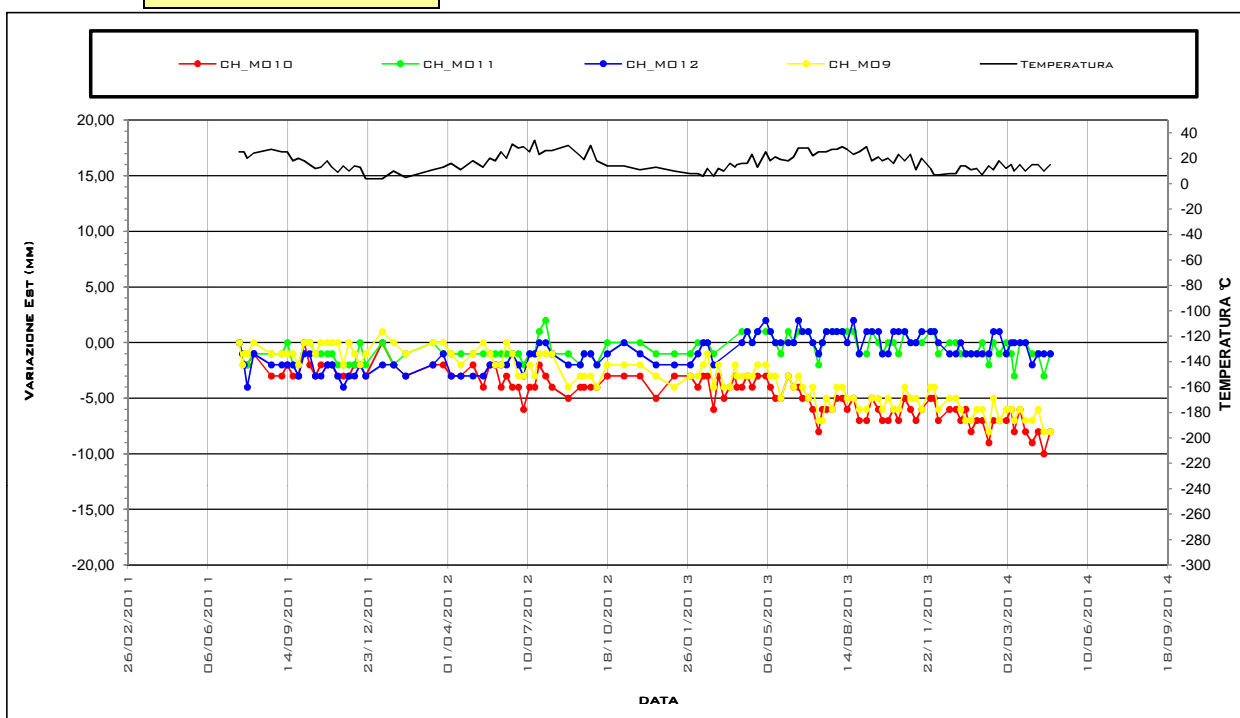
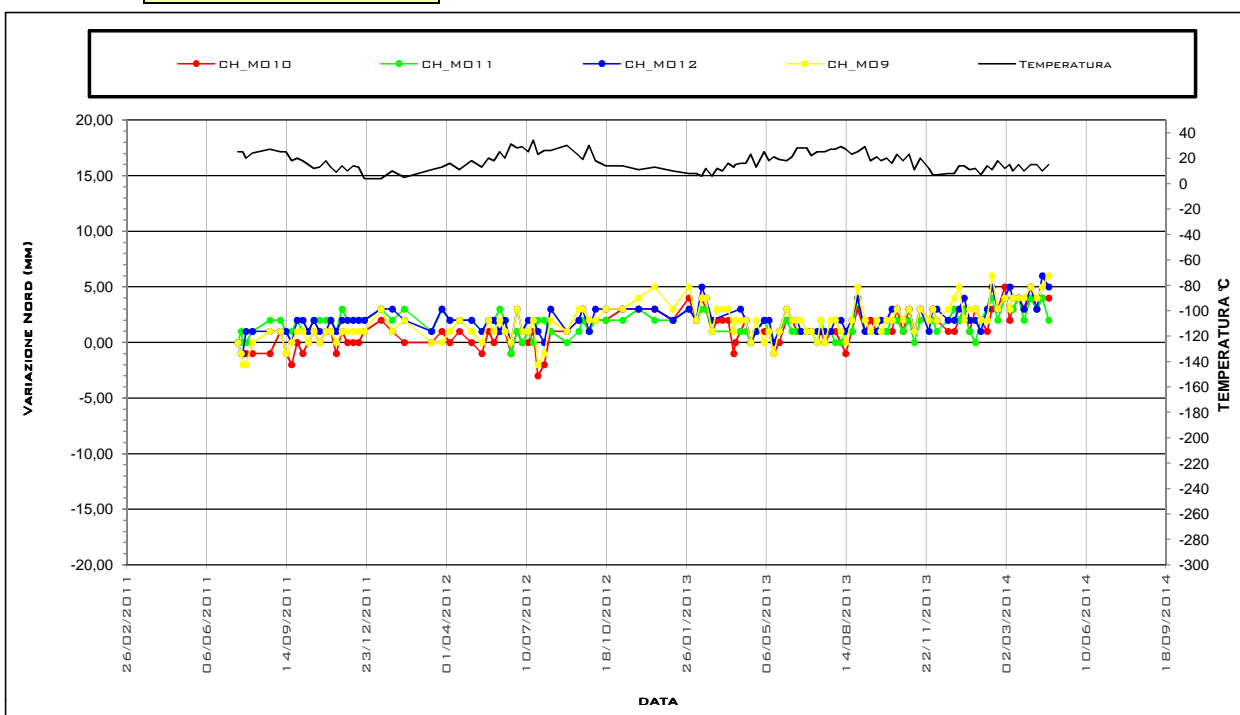


GRAFICO NORD



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 121 in data 24/04/2014

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]
31	17/04/2012 08.00	11,0	34,0	-1,0	0,0	0,0	11,0	34,0	1,0	0,0	2,0	11,0	34,6	0,0	1,0	2,0	11,0	34,6	1,0	2,0	2,0
32	02/05/2012 10.30	18,0	34,0	0,0	-1,0	-2,0	18,0	34,0	2,0	0,0	0,0	18,0	34,6	2,0	1,0	0,0	18,0	34,6	1,0	1,0	0,0
33	15/05/2012 08.30	13,0	34,0	0,0	-1,0	-1,0	13,0	34,0	1,0	-1,0	-1,0	13,0	34,6	1,0	1,0	1,0	13,0	34,6	0,0	1,0	0,0
34	23/05/2012 17.30	20,0	34,0	-1,0	0,0	-1,0	20,0	34,0	1,0	1,0	1,0	20,0	34,6	1,0	0,0	2,0	20,0	34,6	1,0	1,0	1,0
35	30/05/2012 08.30	18,0	34,0	0,0	0,0	0,0	18,0	34,0	0,0	0,0	0,0	18,0	34,6	1,0	0,0	1,0	18,0	34,6	2,0	2,0	1,0
36	06/06/2012 16.30	25,0	34,0	0,0	-1,0	0,0	25,0	34,0	1,0	0,0	0,0	25,0	34,6	2,0	0,0	1,0	25,0	34,6	2,0	2,0	1,0
37	13/06/2012 08.30	20,0	34,0	0,0	0,0	0,0	20,0	34,0	1,0	0,0	1,0	20,0	34,6	2,0	1,0	2,0	20,0	34,6	2,0	2,0	1,0
38	20/06/2012 16.30	31,0	34,0	1,0	1,0	-2,0	31,0	34,0	2,0	1,0	-1,0	31,0	34,6	3,0	0,0	0,0	31,0	34,6	2,0	0,0	-1,0
39	28/06/2012 08.30	28,0	34,0	1,0	1,0	1,0	28,0	34,0	2,0	2,0	2,0	28,0	34,6	3,0	1,0	1,0	28,0	34,6	2,0	2,0	1,0
40	04/07/2012 19.30	29,0	34,0	0,0	1,0	0,0	29,0	34,0	0,0	0,0	0,0	29,0	34,6	2,0	0,0	1,0	29,0	34,6	2,0	0,0	0,0
41	12/07/2012 08.30	25,0	34,0	0,0	1,0	1,0	25,0	34,0	2,0	1,0	1,0	25,0	34,6	3,0	0,0	0,0	25,0	34,6	2,0	2,0	1,0
42	18/07/2012 16.30	34,0	34,0	0,0	1,0	-1,0	34,0	34,0	0,0	2,0	0,0	34,0	34,6	2,0	0,0	0,0	34,0	34,6	1,0	1,0	0,0
43	24/07/2012 09.00	23,0	34,0	-1,0	2,0	1,0	23,0	34,0	1,0	3,0	2,0	23,0	34,6	2,0	0,0	1,0	23,0	34,6	1,0	2,0	2,0
44	01/08/2012 09.00	26,0	34,0	-1,0	2,0	0,0	26,0	34,0	0,0	2,0	1,0	26,0	34,6	1,0	0,0	1,0	26,0	34,6	1,0	1,0	1,0
45	09/08/2012 08.30	26,0	34,0	-1,0	1,0	-1,0	26,0	34,0	0,0	1,0	1,0	26,0	34,6	2,0	-1,0	0,0	26,0	34,6	1,0	1,0	0,0
46	29/08/2012 16.00	30,0	34,0	-1,0	2,0	-1,0	30,0	34,0	0,0	1,0	1,0	30,0	34,6	1,0	0,0	0,0	30,0	34,6	1,0	2,0	0,0
47	13/09/2012 15.00	22,0	34,0	0,0	1,0	1,0	22,0	34,0	1,0	2,0	2,0	22,0	34,6	2,0	-1,0	0,0	22,0	34,6	1,0	1,0	1,0
48	18/09/2012 08.00	19,0	34,0	-1,0	0,0	1,0	19,0	34,0	0,0	1,0	1,0	19,0	34,6	2,0	-1,0	0,0	19,0	34,6	1,0	1,0	0,0
49	26/09/2012 15.00	30,0	34,0	0,0	2,0	0,0	30,0	34,0	1,0	1,0	1,0	30,0	34,6	2,0	0,0	0,0	30,0	34,6	2,0	2,0	0,0
50	04/10/2012 09.00	18,0	34,0	-1,0	1,0	1,0	18,0	34,0	0,0	0,0	1,0	18,0	34,6	2,0	-1,0	1,0	18,0	34,6	2,0	1,0	0,0
51	17/10/2012 08.30	14,0	34,0	-2,0	2,0	2,0	14,0	34,0	-1,0	1,0	1,0	14,0	34,6	0,0	0,0	2,0	14,0	34,6	0,0	2,0	1,0
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	2,0	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 08.30	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,											

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

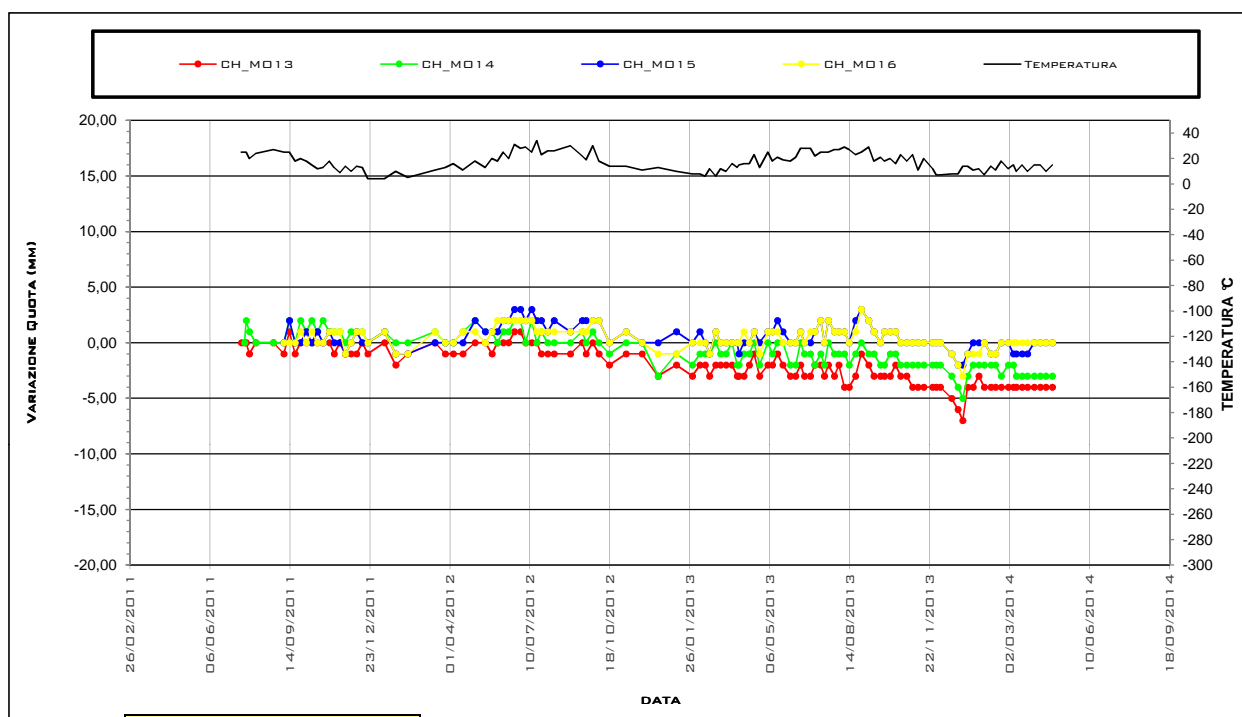
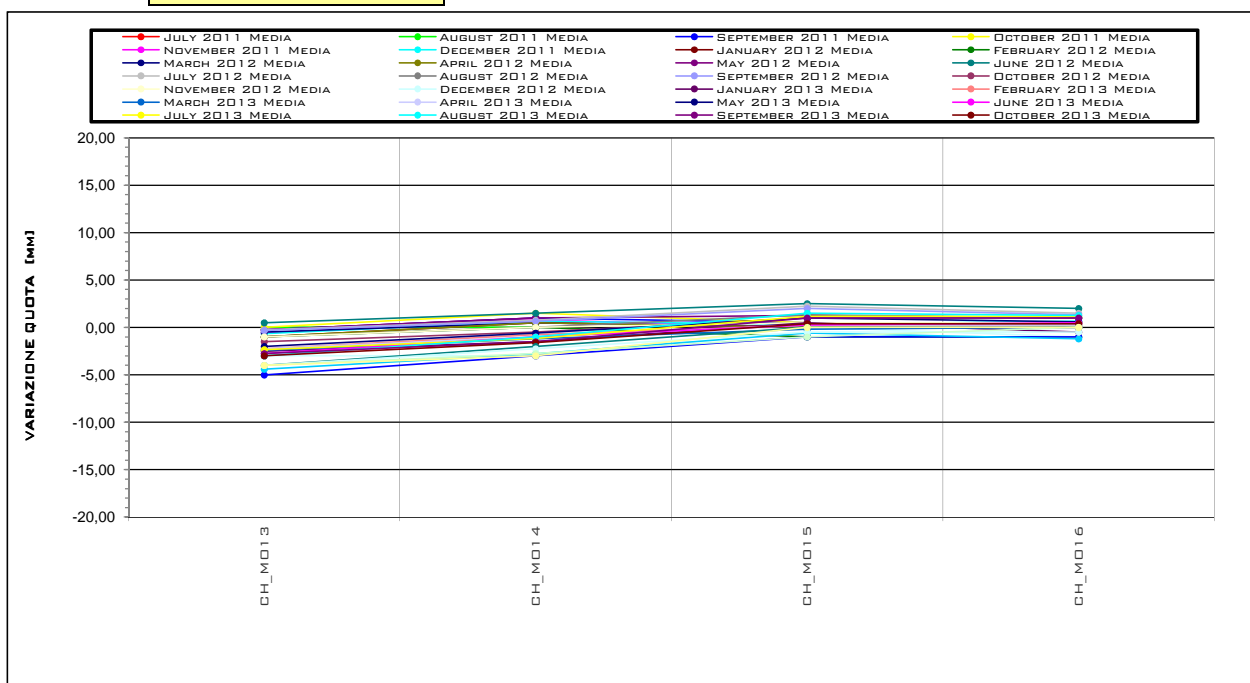


GRAFICO ISOCRONE



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

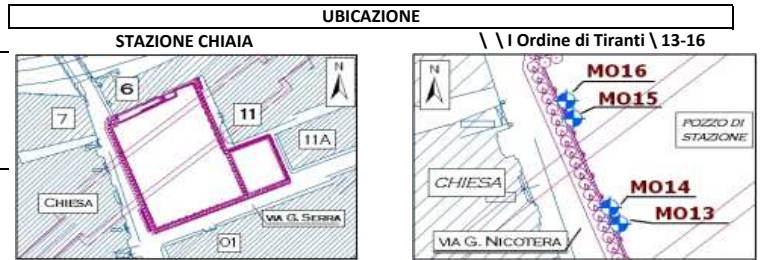


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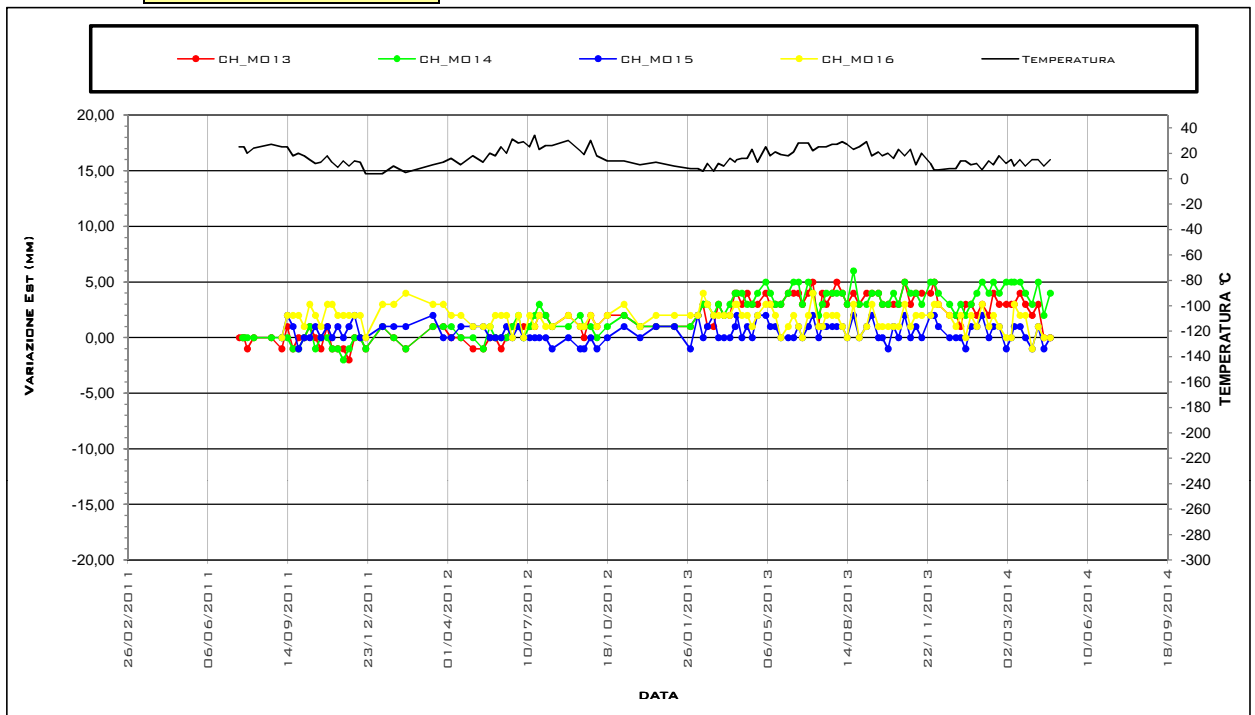
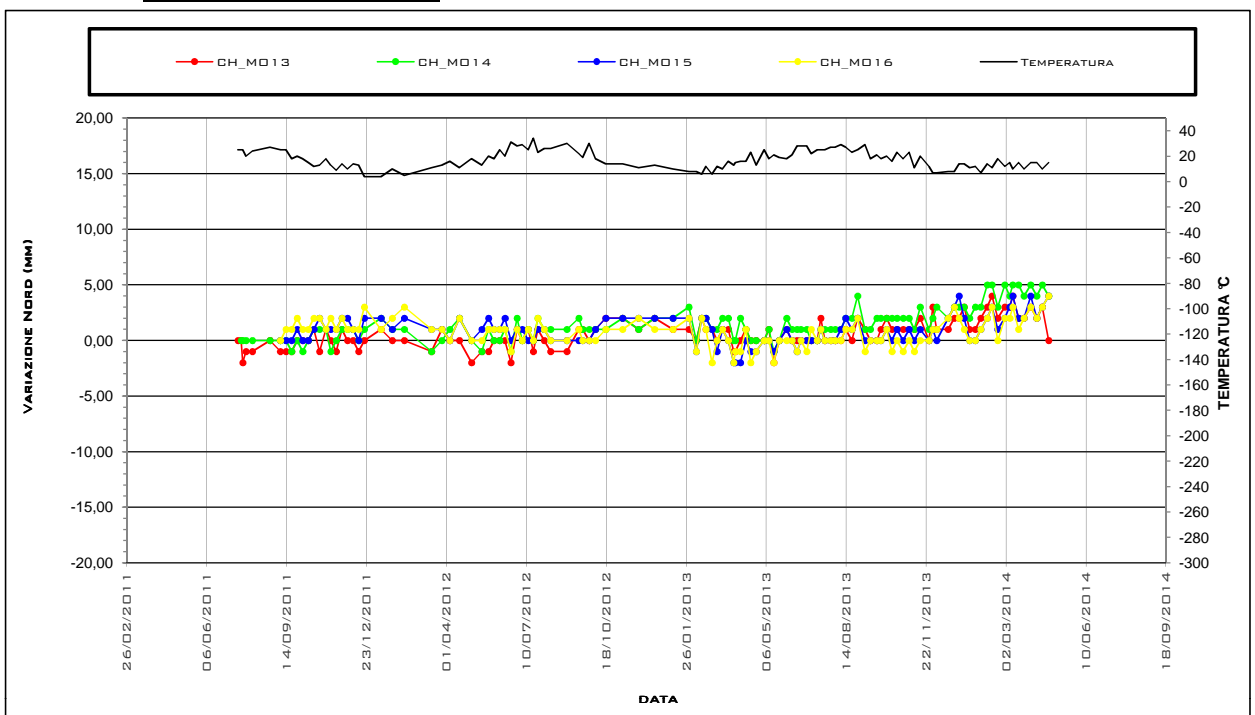


GRAFICO NORD



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 104 in data 24/04/2014

Lett. n°	DATA	CH_M017					CH_M018					CH_M019					CH_M020					
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14	17/04/2012 08.01	11.0	26,5	0,0	0,0	0,0	11.0	26,4	0,0	0,0	0,0											
15	02/05/2012 10.30	18.0	26,5	1,0	0,0	1,0	18.0	26,4	1,0	1,0	1,0	18.0	28,7	1,0	0,0	2,0	18.0	28,7	1,0	-1,0	0,0	
16	15/05/2012 08.30	13.0	26,5	0,0	0,0	2,0	13.0	26,4	0,0	3,0	3,0	13.0	28,7	0,0	0,0	3,0	13.0	28,7	0,0	-1,0	0,0	
17	23/05/2012 17.30	20.0	26,5	1,0	2,0	0,0	20.0	26,4	1,0	2,0	1,0	20.0	28,7	0,0	1,0	1,0	20.0	28,7	0,0	0,0	-1,0	
18	30/05/2012 08.30	18.0	26,5	0,0	2,0	2,0	18.0	26,4	1,0	3,0	3,0	18.0	28,7	0,0	0,0	2,0	18.0	28,7	1,0	0,0	0,0	
19	06/06/2012 16.30	25.0	26,5	0,0	0,0	0,0	2,0	25.0	26,4	0,0	2,0	25.0	28,7	-1,0	-1,0	2,0	25.0	28,7	0,0	-3,0	0,0	
20	13/06/2012 08.30	20.0	26,5	0,0	2,0	2,0	2,0	20.0	26,4	0,0	3,0	1,0	20.0	28,7	-1,0	2,0	2,0	20.0	28,7	1,0	-1,0	0,0
21	20/06/2012 16.30	31.0	26,5	1,0	2,0	2,0	2,0	31.0	26,4	1,0	3,0	2,0	31.0	28,7	0,0	1,0	1,0	31.0	28,7	1,0	0,0	-1,0
22	28/06/2012 08.30	28.0	26,5	0,0	2,0	2,0	28.0	26,4	1,0	3,0	1,0	28.0	28,7	0,0	0,0	1,0	28.0	28,7	-1,0	0,0	0,0	
23	04/07/2012 19.30	29.0	26,5	0,0	3,0	2,0	29.0	26,4	1,0	3,0	3,0	29.0	28,7	0,0	0,0	2,0	29.0	28,7	0,0	0,0	0,0	
24	12/07/2012 08.30	25.0	26,5	0,0	2,0	2,0	2,0	25.0	26,4	0,0	4,0	2,0	25.0	28,7	-1,0	1,0	2,0	25.0	28,7	0,0	0,0	0,0
25	18/07/2012 16.30	34.0	26,5	0,0	1,0	1,0	1,0	34.0	26,4	1,0	2,0	1,0	34.0	28,7	0,0	1,0	0,0	34.0	28,7	0,0	0,0	-1,0
26	24/07/2012 09.00	23.0	26,5	-1,0	1,0	2,0	2,0	23.0	26,4	-1,0	2,0	2,0	23.0	28,7	-1,0	1,0	1,0	23.0	28,7	-1,0	0,0	-1,0
27	01/08/2012 09.00	26.0	26,5	-2,0	2,0	3,0	3,0	26.0	26,4	-1,0	2,0	2,0	26.0	28,7	-1,0	2,0	2,0	26.0	28,7	0,0	0,0	0,0
28	09/08/2012 08.30	26.0	26,5	0,0	1,0	1,0	1,0	26.0	26,4	0,0	2,0	2,0	26.0	28,7	1,0	0,0	1,0	26.0	28,7	1,0	-1,0	-1,0
29	29/08/2012 16.00	30.0	26,5	-1,0	2,0	1,0	1,0	30.0	26,4	-1,0	3,0	2,0	30.0	28,7	0,0	1,0	2,0	30.0	28,7	0,0	0,0	-1,0
30	13/09/2012 15.00	22.0	26,5	0,0	3,0	3,0	3,0	22.0	26,4	0,0	3,0	2,0	22.0	28,7	0,0	1,0	2,0	22.0	28,7	1,0	-1,0	0,0
31	18/09/2012 08.00	19.0	26,5	0,0	1,0	1,0	1,0	19.0	26,4	0,0	2,0	2,0	19.0	28,7	0,0	0,0	1,0	19.0	28,7	1,0	0,0	0,0
32	26/09/2012 15.00	30.0	26,5	1,0	0,0	1,0	3,0	30.0	26,4	1,0	1,0	1,0	30.0	28,7	1,0	-1,0	1,0	30.0	28,7	1,0	-1,0	0,0
33	04/10/2012 09.00	18.0	26,5	1,0	2,0	2,0	2,0	18.0	26,4	0,0	2,0	2,0	18.0	28,7	0,0	0,0	1,0	18.0	28,7	0,0	0,0	0,0
34	17/10/2012 08.30	14.0	26,5	1,0	1,0	1,0	1,0	14.0	26,4	1,0	2,0	2,0	14.0	28,7	0,0	-1,0	2,0	14.0	28,7	1,0	-2,0	0,0
35	07/11/2012 08.30	14.0	26,5	-1,0	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	1,0	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	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	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	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 08.30	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	

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 QUOTA

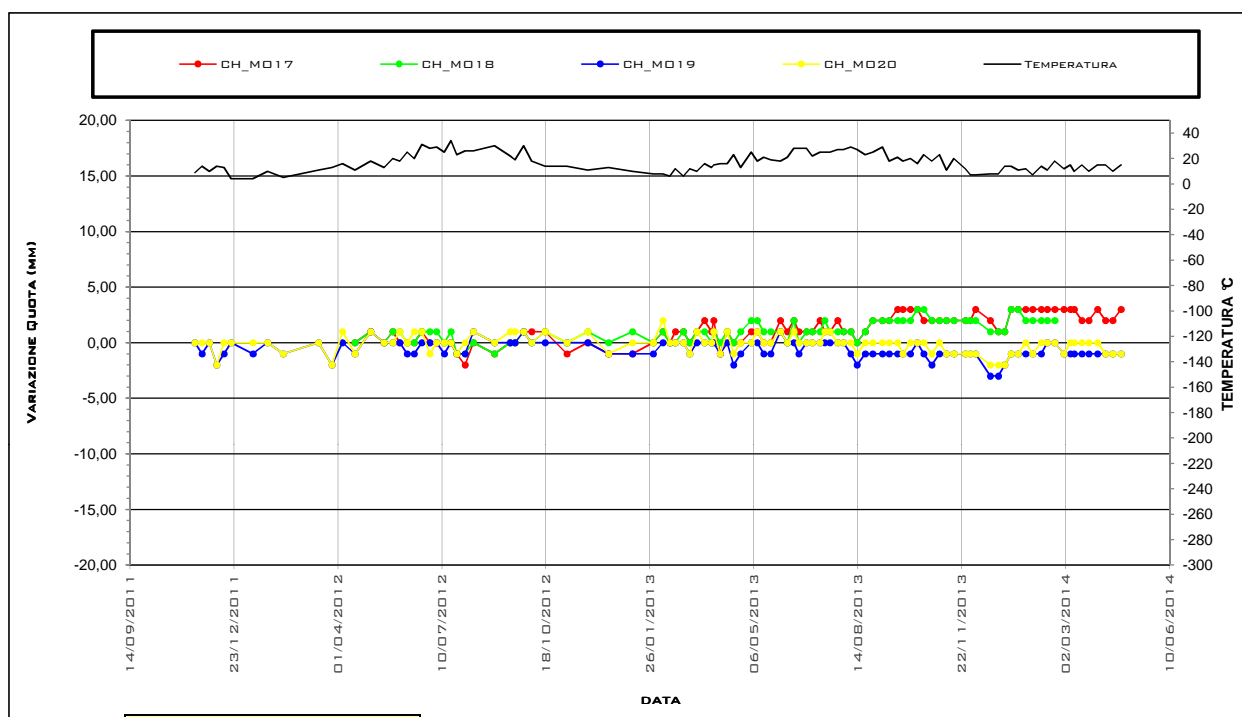
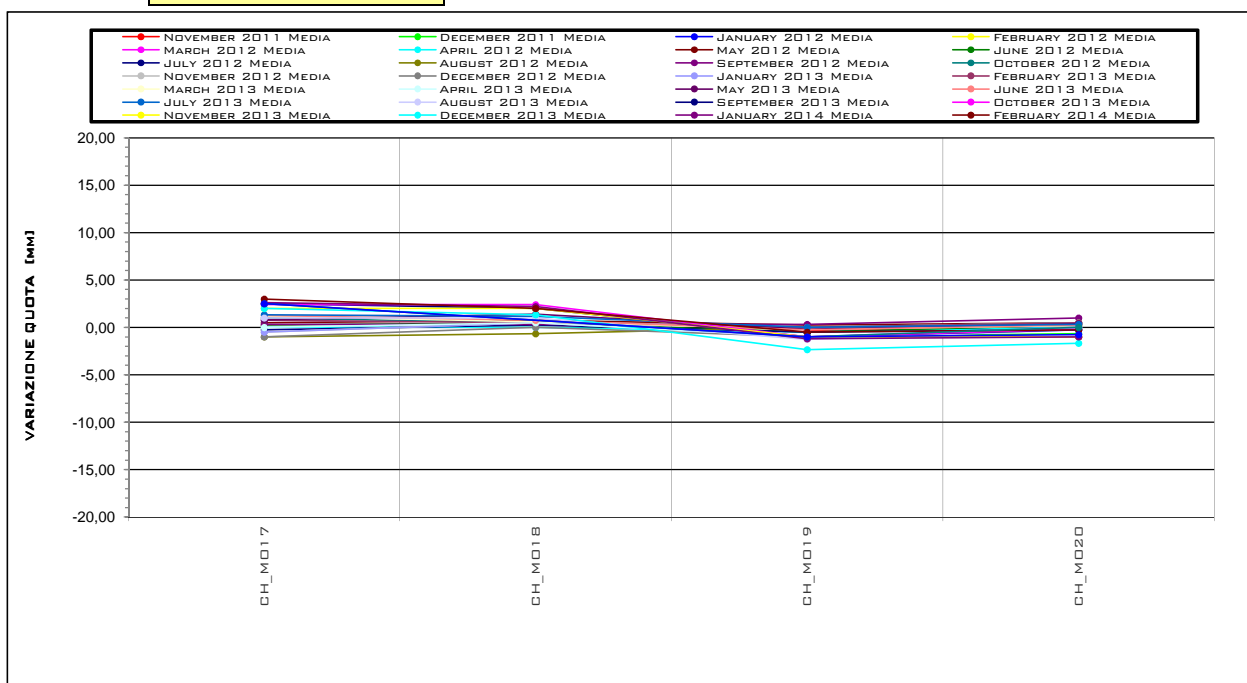


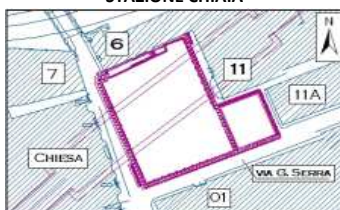
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Ubicazione STAZIONE CHIAIA
Opera \ Il Ordine di Tiranti \ 17-
Tipo Strumento Mire Ottiche
Data posa in opera 17/04/2012
Data lettura di zero 17/04/2012

UBICAZIONE

STAZIONE CHIAIA



\ Il Ordine di Tiranti \ 17-20

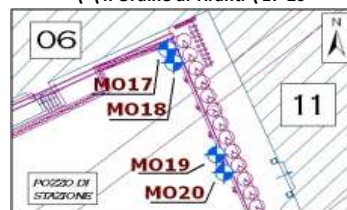


GRAFICO EST

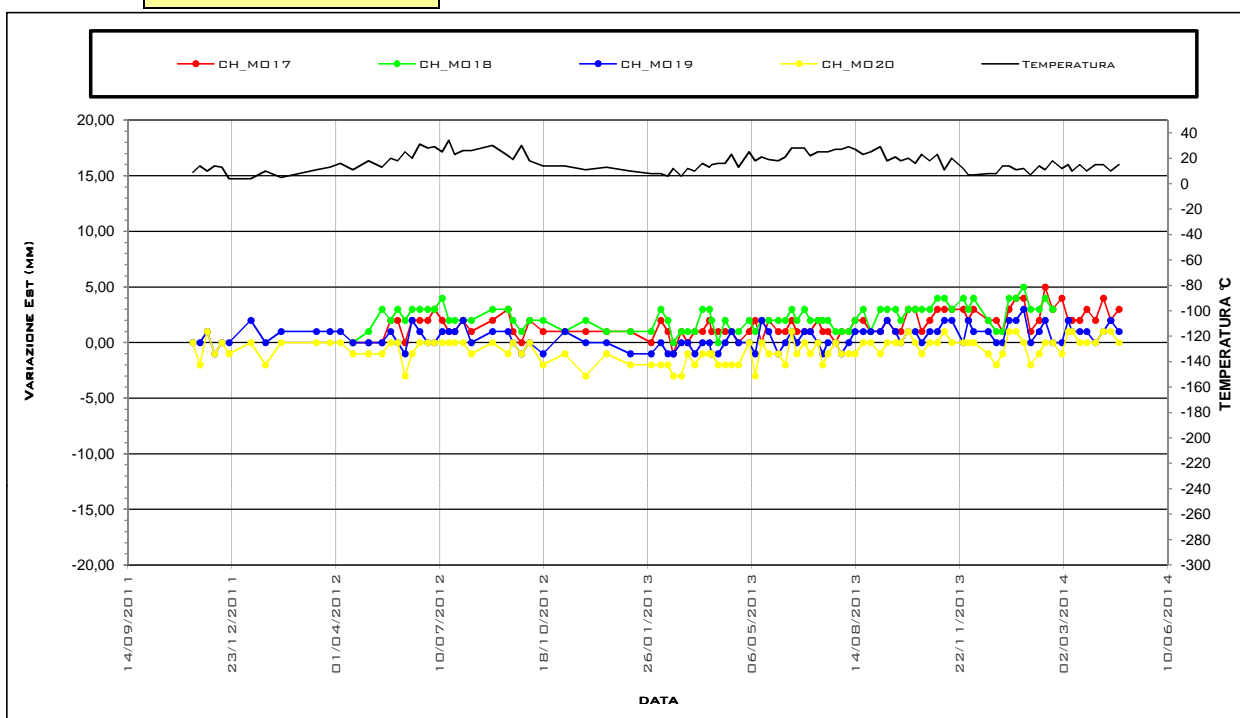
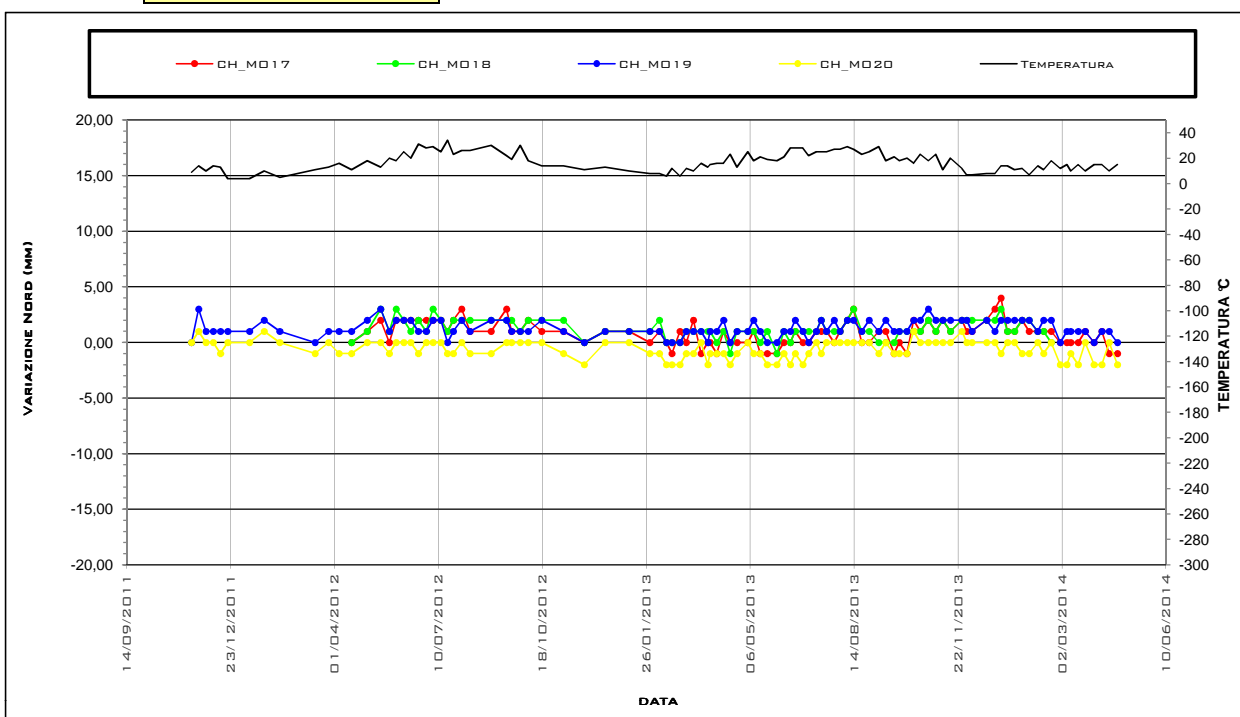


GRAFICO NORD



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 115 in data 24/04/2014

Lett. n°	DATA	CH_M021					CH_M022					CH_M023					CH_M024				
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25	17/04/2012 08.00	11,0	28,9	0,0	1,0	0,0	11,0	28,9	0,0	0,0	0,0	11,0	28,8	0,0	-4,0	3,0	11,0	28,8	0,0	-3,0	3,0
26	02/05/2012 10.30	18,0	28,9	1,0	1,0	2,0	18,0	28,9	1,0	-1,0	2,0	18,0	28,8	1,0	-3,0	3,0	18,0	28,8	1,0	-2,0	2,0
27	15/05/2012 08.30	13,0	28,9	2,0	-1,0	2,0	13,0	28,9	1,0	-2,0	1,0	13,0	28,8	1,0	-4,0	2,0	13,0	28,8	0,0	-3,0	2,0
28	23/05/2012 17.30	20,0	28,9	1,0	5,0	2,0	20,0	28,9	-1,0	3,0	2,0	20,0	28,8	0,0	-3,0	4,0	20,0	28,8	-1,0	-3,0	4,0
29	30/05/2012 08.30	18,0	28,9	0,0	1,0	2,0	18,0	28,9	-2,0	0,0	2,0	18,0	28,8	0,0	-4,0	4,0	18,0	28,8	0,0	-3,0	3,0
30	06/06/2012 16.30	25,0	28,9	0,0	-1,0	2,0	25,0	28,9	-2,0	-2,0	2,0	25,0	28,8	-1,0	-4,0	5,0	25,0	28,8	-1,0	-4,0	4,0
31	13/06/2012 08.30	20,0	28,9	0,0	4,0	4,0	20,0	28,9	-2,0	3,0	5,0	20,0	28,8	-1,0	-4,0	5,0	20,0	28,8	0,0	-4,0	4,0
32	20/06/2012 16.30	31,0	28,9	-1,0	3,0	2,0	31,0	28,9	-2,0	1,0	2,0	31,0	28,8	-1,0	-4,0	3,0	31,0	28,8	0,0	-4,0	2,0
33	28/06/2012 08.30	28,0	28,9	-2,0	3,0	3,0	28,0	28,9	-2,0	2,0	4,0	28,0	28,8	0,0	-5,0	6,0	28,0	28,8	-1,0	-4,0	5,0
34	04/07/2012 19.30	29,0	28,9	-1,0	1,0	3,0	29,0	28,9	-2,0	-1,0	3,0	29,0	28,8	-1,0	-6,0	4,0	29,0	28,8	-2,0	-5,0	3,0
35	12/07/2012 08.30	25,0	28,9	-1,0	2,0	3,0	25,0	28,9	-2,0	0,0	4,0	25,0	28,8	-1,0	-4,0	6,0	25,0	28,8	-1,0	-3,0	6,0
36	18/07/2012 16.30	34,0	28,9	0,0	4,0	4,0	34,0	28,9	-2,0	3,0	4,0	34,0	28,8	-2,0	-4,0	5,0	34,0	28,8	-3,0	-4,0	5,0
37	24/07/2012 09.00	23,0	28,9	-1,0	3,0	1,0	23,0	28,9	-3,0	3,0	2,0	23,0	28,8	-3,0	-1,0	4,0	23,0	28,8	-4,0	-1,0	4,0
38	01/08/2012 09.00	26,0	28,9	-1,0	4,0	2,0	26,0	28,9	-2,0	4,0	3,0	26,0	28,8	-3,0	-1,0	4,0	26,0	28,8	-4,0	-1,0	3,0
39	09/08/2012 08.30	26,0	28,9	-2,0	2,0	2,0	26,0	28,9	-2,0	-1,0	3,0	26,0	28,8	-3,0	-5,0	7,0	26,0	28,8	-4,0	-4,0	6,0
40	29/08/2012 16.00	30,0	28,9	-2,0	3,0	2,0	30,0	28,9	-2,0	0,0	4,0	30,0	28,8	-2,0	-5,0	6,0	30,0	28,8	-3,0	-4,0	5,0
41	13/09/2012 15.00	22,0	28,9	0,0	3,0	4,0	22,0	28,9	-2,0	1,0	6,0	22,0	28,8	-3,0	-6,0	6,0	22,0	28,8	-3,0	-5,0	6,0
42	18/09/2012 08.00	19,0	28,9	0,0	5,0	5,0	19,0	28,9	-2,0	1,0	6,0	19,0	28,8	-2,0	-5,0	7,0	19,0	28,8	-3,0	-5,0	7,0
43	26/09/2012 15.00	30,0	28,9	0,0	2,0	5,0	30,0	28,9	-1,0	0,0	6,0	30,0	28,8	-1,0	-4,0	7,0	30,0	28,8	-2,0	-3,0	6,0
44	04/10/2012 09.00	18,0	28,9	0,0	2,0	4,0	18,0	28,9	0,0	-1,0	5,0	18,0	28,8	-2,0	-6,0	6,0	18,0	28,8	-3,0	-6,0	5,0
45	17/10/2012 08.30	14,0	28,9	0,0	2,0	5,0	14,0	28,9	-1,0	0,0	6,0	14,0	28,8	-4,0	-5,0	7,0	14,0	28,8	-4,0	-5,0	7,0
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							

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

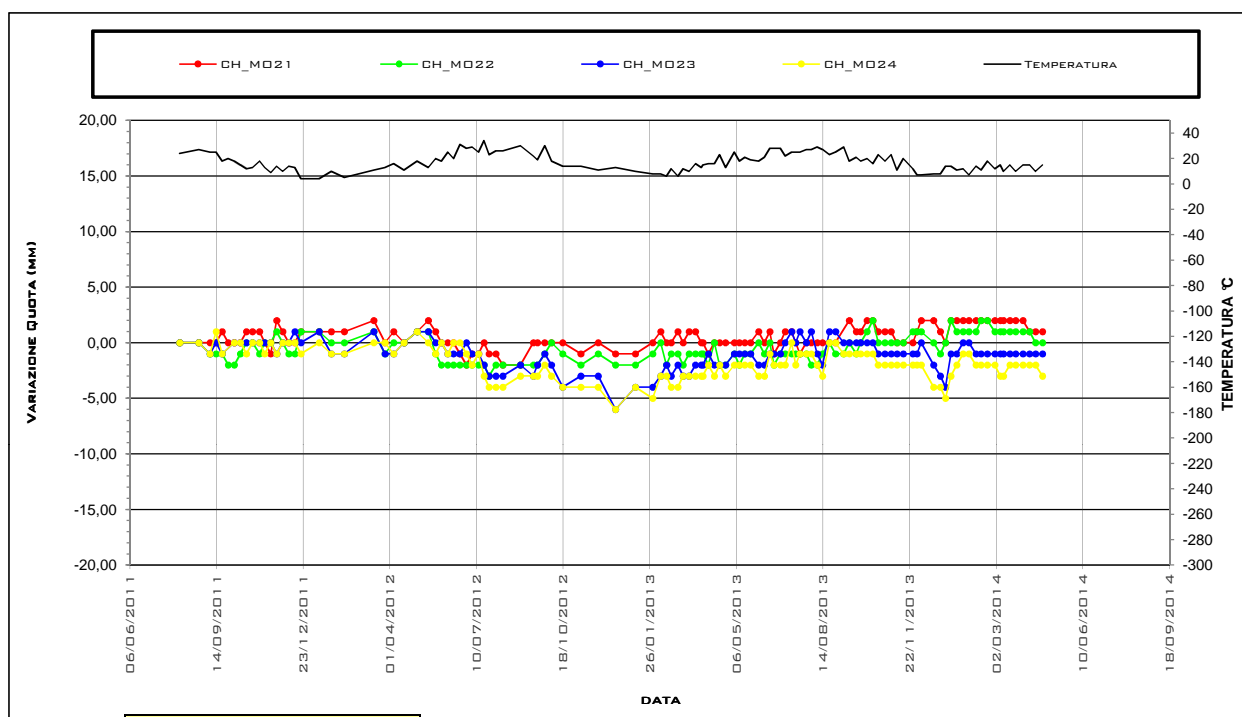
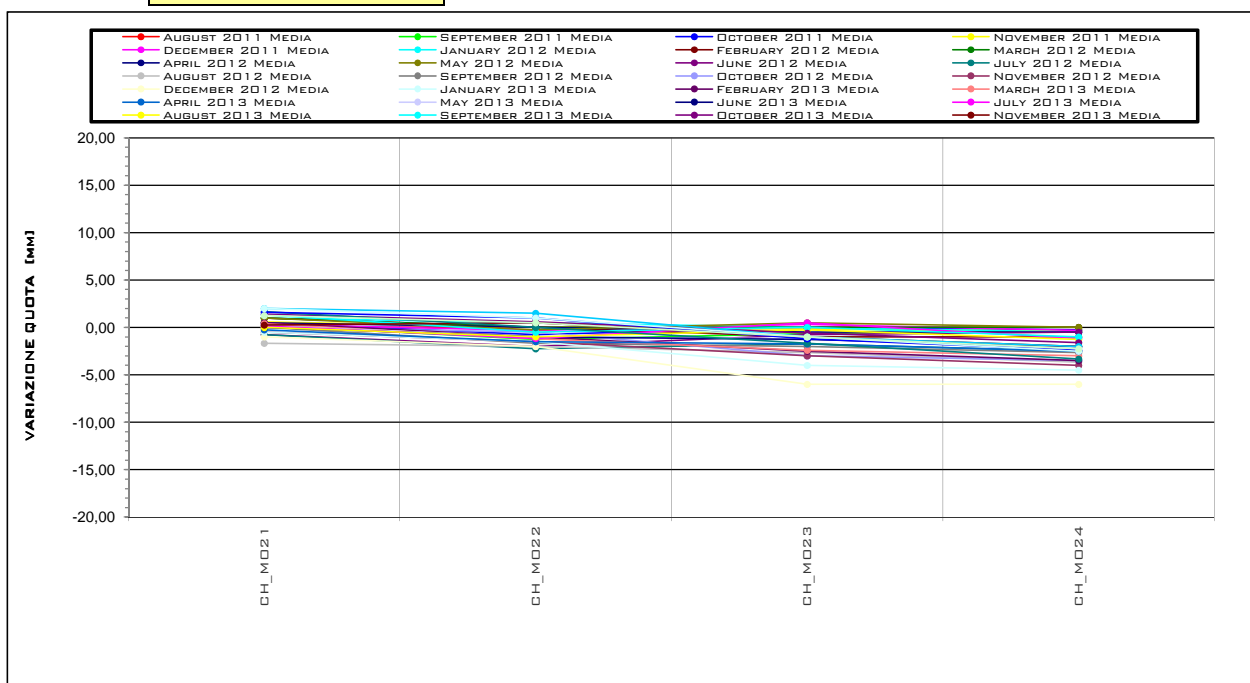


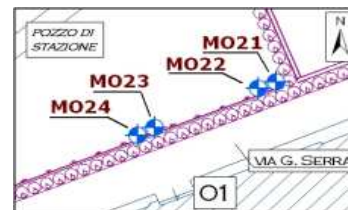
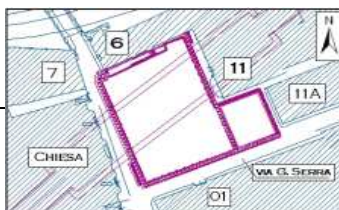
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UBICAZIONE

STAZIONE CHIAIA

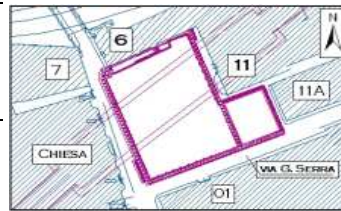
\ \ Il Ordine di Tiranti \ 21-24



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

UBICAZIONE

STAZIONE CHIAIA



\ \ Il Ordine di Tiranti \ 21-24

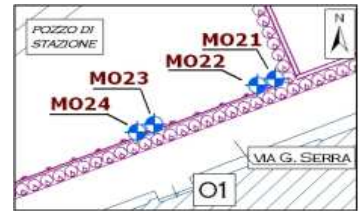


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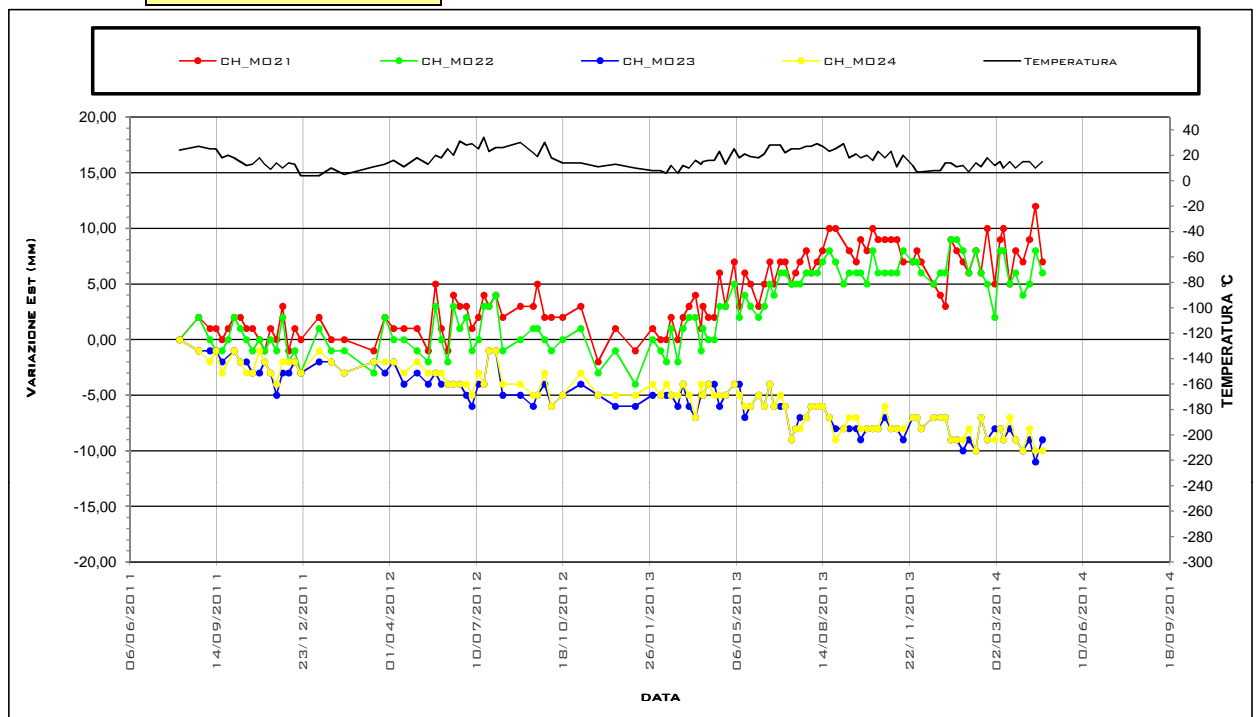
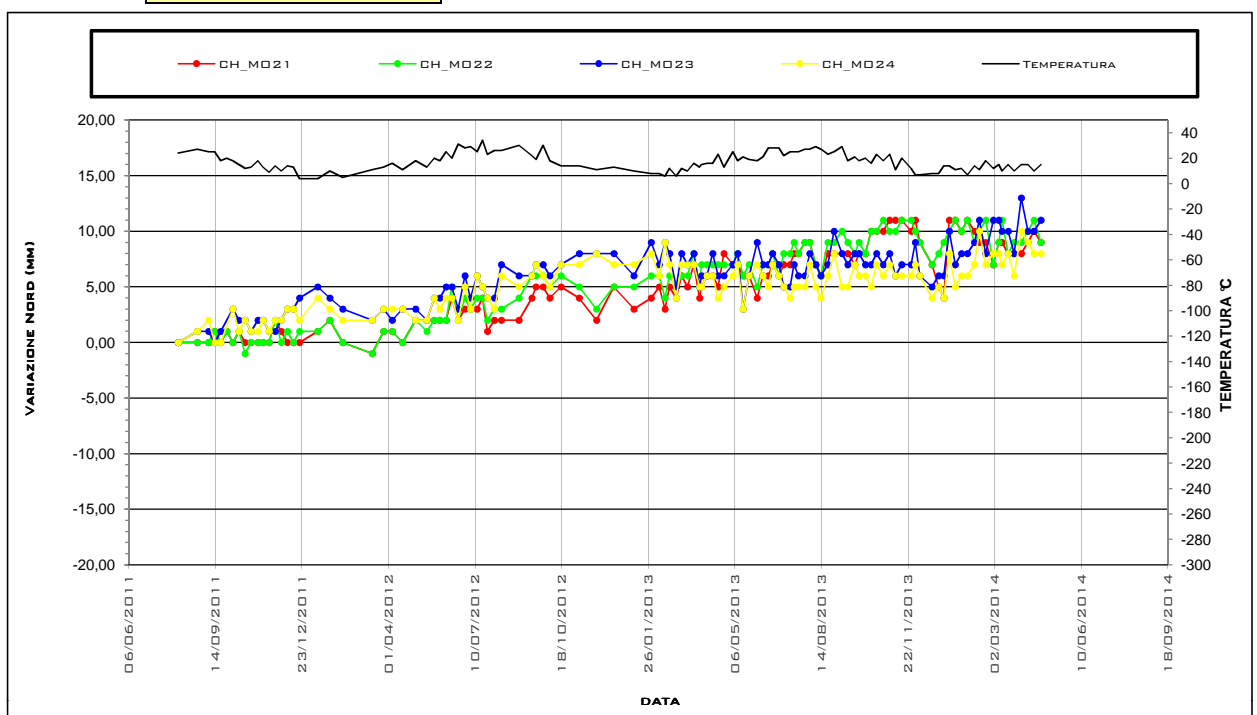


GRAFICO NORD



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 117 in data 24/04/2014

Lett. n°	DATA	CH_M025					CH_M026					CH_M027					CH_M028				
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27	17/04/2012 08.00	11.0	29.9	0.0	1.0	4.0	11.0	30.0	1.0	-1.0	3.0	11.0	29.8	0.0	-2.0	1.0	11.0	29.8	0.0	-2.0	1.0
28	02/05/2012 10.30	18.0	29.9	1.0	1.0	3.0	18.0	30.0	0.0	0.0	2.0	18.0	29.8	0.0	-1.0	0.0	18.0	29.8	0.0	-1.0	-1.0
29	15/05/2012 08.30	13.0	29.9	0.0	1.0	4.0	13.0	30.0	1.0	0.0	2.0	13.0	29.8	0.0	-2.0	-1.0	13.0	29.8	0.0	-2.0	-1.0
30	23/05/2012 17.30	20.0	29.9	0.0	1.0	4.0	20.0	30.0	0.0	0.0	3.0	20.0	29.8	0.0	0.0	0.0	20.0	29.8	0.0	0.0	0.0
31	30/05/2012 08.30	18.0	29.9	0.0	0.0	4.0	18.0	30.0	0.0	0.0	2.0	18.0	29.8	-1.0	0.0	0.0	18.0	29.8	0.0	0.0	0.0
32	06/06/2012 16.30	25.0	29.9	-1.0	0.0	5.0	25.0	30.0	-1.0	-1.0	2.0	25.0	29.8	0.0	1.0	1.0	25.0	29.8	0.0	1.0	0.0
33	13/06/2012 08.30	20.0	29.9	0.0	0.0	5.0	20.0	30.0	-1.0	-1.0	4.0	20.0	29.8	-1.0	0.0	0.0	20.0	29.8	-1.0	0.0	0.0
34	20/06/2012 16.30	31.0	29.9	0.0	0.0	3.0	31.0	30.0	0.0	-1.0	2.0	31.0	29.8	0.0	1.0	-2.0	31.0	29.8	0.0	1.0	-1.0
35	28/06/2012 08.30	28.0	29.9	-1.0	0.0	6.0	28.0	30.0	0.0	-1.0	5.0	28.0	29.8	0.0	1.0	1.0	28.0	29.8	-1.0	1.0	1.0
36	04/07/2012 19.30	29.0	29.9	-1.0	-2.0	4.0	29.0	30.0	-1.0	-4.0	3.0	29.0	29.8	-1.0	-1.0	0.0	29.0	29.8	0.0	0.0	0.0
37	12/07/2012 08.30	25.0	29.9	-1.0	1.0	6.0	25.0	30.0	0.0	0.0	4.0	25.0	29.8	-1.0	1.0	0.0	25.0	29.8	-1.0	0.0	1.0
38	18/07/2012 16.30	34.0	29.9	-2.0	0.0	6.0	34.0	30.0	-2.0	-2.0	5.0	34.0	29.8	-2.0	1.0	0.0	34.0	29.8	-2.0	2.0	-1.0
39	24/07/2012 09.00	23.0	29.9	-2.0	2.0	4.0	23.0	30.0	-2.0	1.0	2.0	23.0	29.8	-3.0	1.0	0.0	23.0	29.8	-2.0	2.0	-1.0
40	01/08/2012 09.00	26.0	29.9	-2.0	1.0	3.0	26.0	30.0	-2.0	0.0	3.0	26.0	29.8	-3.0	1.0	0.0	26.0	29.8	-3.0	2.0	0.0
41	09/08/2012 08.30	26.0	29.9	-3.0	-1.0	7.0	26.0	30.0	-2.0	-1.0	5.0	26.0	29.8	-3.0	0.0	1.0	26.0	29.8	-3.0	1.0	1.0
42	29/08/2012 16.00	30.0	29.9	-3.0	0.0	5.0	30.0	30.0	-2.0	-2.0	4.0	30.0	29.8	-2.0	1.0	0.0	30.0	29.8	-3.0	2.0	0.0
43	13/09/2012 15.00	22.0	29.9	-2.0	-2.0	7.0	22.0	30.0	-2.0	-2.0	5.0	22.0	29.8	-1.0	1.0	1.0	22.0	29.8	-1.0	0.0	2.0
44	18/09/2012 08.00	19.0	29.9	-2.0	-1.0	7.0	19.0	30.0	-1.0	-1.0	5.0	19.0	29.8	-2.0	0.0	0.0	19.0	29.8	-2.0	1.0	1.0
45	26/09/2012 15.00	30.0	29.9	-1.0	0.0	6.0	30.0	30.0	-1.0	-2.0	4.0	30.0	29.8	-1.0	1.0	1.0	30.0	29.8	-1.0	0.0	1.0
46	04/10/2012 09.00	18.0	29.9	-2.0	-2.0	7.0	18.0	30.0	-2.0	-3.0	5.0	18.0	29.8	-1.0	0.0	2.0	18.0	29.8	-2.0	0.0	1.0
47	17/10/2012 08.30	14.0	29.9	-5.0	0.0	6.0	14.0	30.0	-4.0	-2.0	6.0	14.0	29.8	-3.0	1.0	2.0	14.0	29.8	-3.0	1.0	1.0
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 08.00	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					

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

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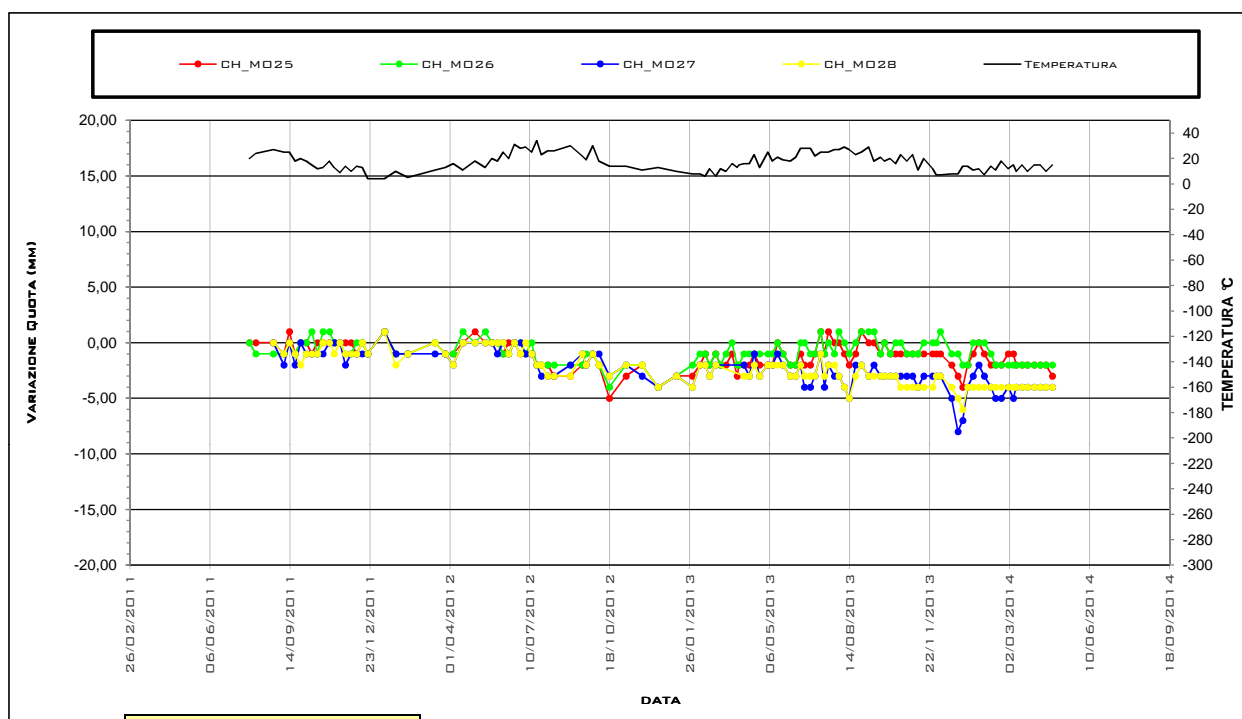
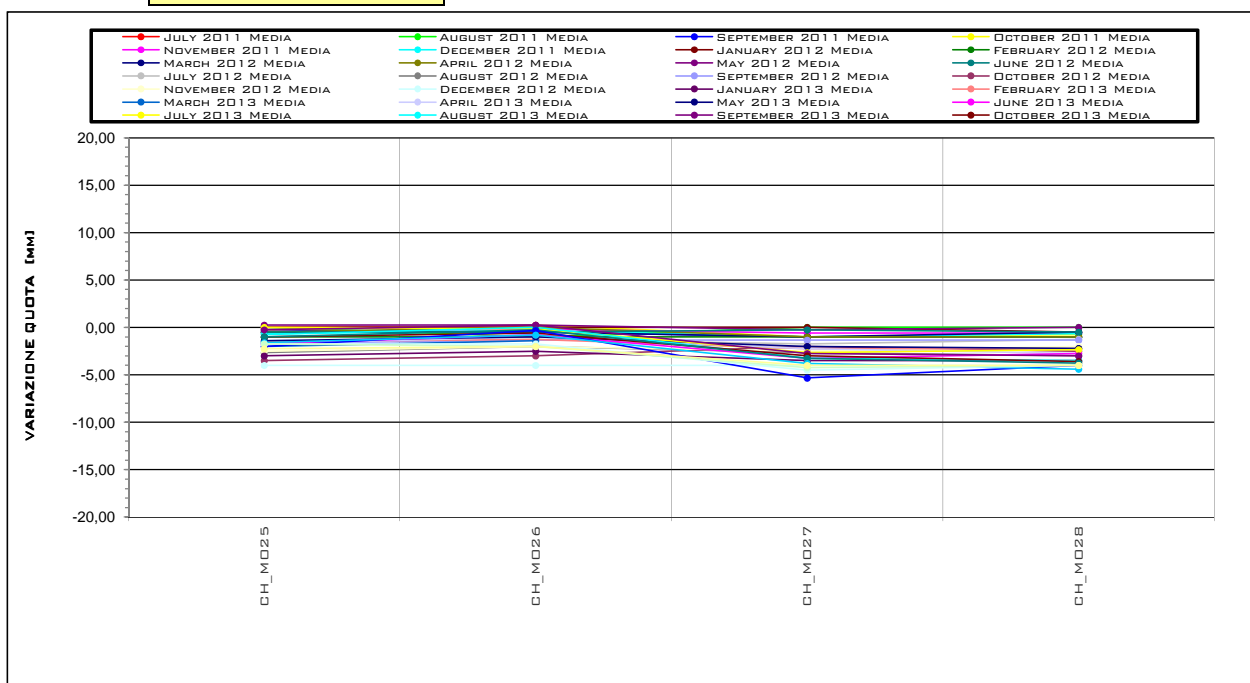


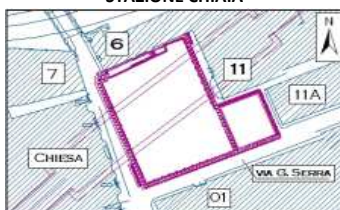
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Ubicazione STAZIONE CHIAIA
Opera \ Il Ordine di Tiranti \ 25-
Tipo Strumento Mire Ottiche
Data posa in opera 25/07/2011
Data lettura di zero 25/07/2011

UBICAZIONE

STAZIONE CHIAIA



\ Il Ordine di Tiranti \ 25-28



GRAFICO EST

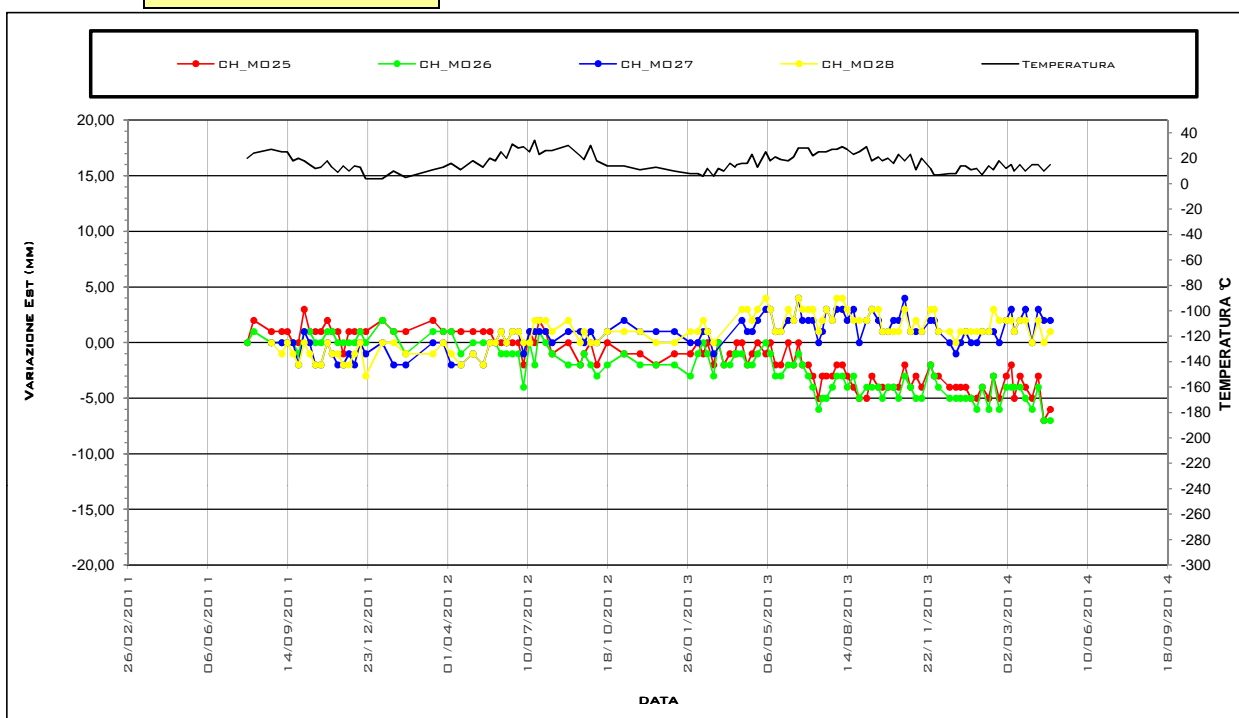
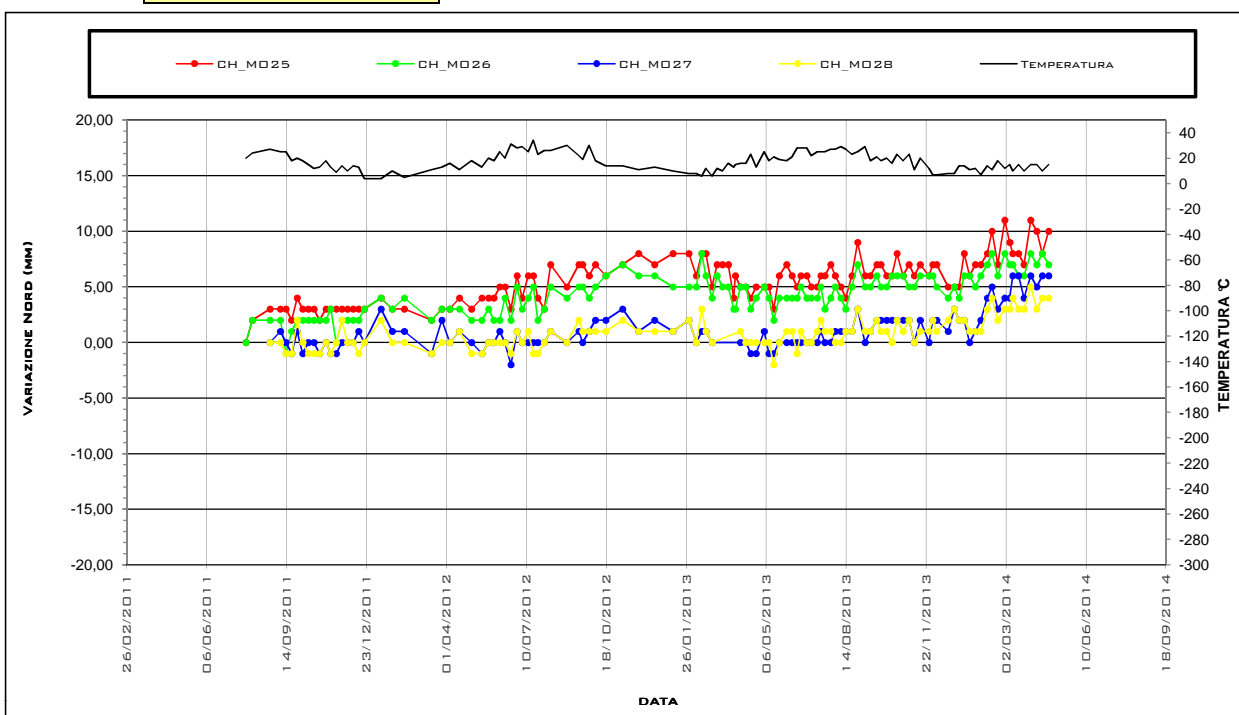


GRAFICO NORD



Ubicazione STAZIONE CHIAIA

Opera \ \ II 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

115

in
data

24/04/2014

Lett. 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]
25	17/04/2012 08.00	11,0	30,0	0,0	0,0	1,0	11,0	30,0	0,0	-1,0	1,0	11,0	27,9	2,0	1,0	1,0	11,0	28,0	0,0	1,0	0,0
26	02/05/2012 10.30	18,0	30,0	0,0	0,0	0,0	18,0	30,0	1,0	0,0	0,0	18,0	27,9	2,0	1,0	0,0	18,0	28,0	1,0	1,0	0,0
27	15/05/2012 08.30	13,0	30,0	0,0	-1,0	-1,0	13,0	30,0	0,0	-1,0	-1,0	13,0	27,9	2,0	1,0	-1,0	13,0	28,0	1,0	0,0	0,0
28	23/05/2012 17.30	20,0	30,0	1,0	0,0	1,0	20,0	30,0	0,0	0,0	0,0	20,0	27,9	2,0	1,0	0,0	20,0	28,0	1,0	1,0	0,0
29	30/05/2012 08.30	18,0	30,0	0,0	0,0	0,0	18,0	30,0	0,0	0,0	1,0	18,0	27,9	1,0	1,0	0,0	18,0	28,0	1,0	1,0	0,0
30	06/06/2012 16.30	25,0	30,0	0,0	0,0	1,0	25,0	30,0	0,0	0,0	1,0	25,0	27,9	2,0	1,0	0,0	25,0	28,0	1,0	1,0	0,0
31	13/06/2012 08.30	20,0	30,0	0,0	1,0	1,0	20,0	30,0	0,0	1,0	1,0	20,0	27,9	2,0	2,0	1,0	20,0	28,0	-1,0	1,0	1,0
32	20/06/2012 16.30	31,0	30,0	1,0	1,0	-1,0	31,0	30,0	1,0	1,0	0,0	31,0	27,9	2,0	1,0	-1,0	31,0	28,0	0,0	1,0	-1,0
33	28/06/2012 08.30	28,0	30,0	0,0	1,0	1,0	28,0	30,0	1,0	1,0	2,0	28,0	27,9	3,0	2,0	1,0	28,0	28,0	1,0	1,0	1,0
34	04/07/2012 19.30	29,0	30,0	0,0	0,0	0,0	29,0	30,0	0,0	0,0	1,0	29,0	27,9	2,0	2,0	1,0	29,0	28,0	1,0	1,0	0,0
35	12/07/2012 08.30	25,0	30,0	0,0	2,0	2,0	25,0	30,0	1,0	1,0	1,0	25,0	27,9	3,0	1,0	0,0	25,0	28,0	1,0	1,0	-1,0
36	18/07/2012 16.30	34,0	30,0	-1,0	2,0	1,0	34,0	30,0	-1,0	1,0	1,0	34,0	27,9	2,0	1,0	0,0	34,0	28,0	0,0	2,0	-2,0
37	24/07/2012 09.00	23,0	30,0	-1,0	2,0	1,0	23,0	30,0	-1,0	1,0	1,0	23,0	27,9	1,0	-1,0	-1,0	23,0	28,0	0,0	1,0	0,0
38	01/08/2012 09.00	26,0	30,0	-2,0	2,0	0,0	26,0	30,0	-1,0	2,0	2,0	26,0	27,9	1,0	0,0	0,0	26,0	28,0	-1,0	2,0	-1,0
39	09/08/2012 08.30	26,0	30,0	-2,0	2,0	0,0	26,0	30,0	-1,0	0,0	1,0	26,0	27,9	2,0	0,0	0,0	26,0	28,0	0,0	0,0	-1,0
40	29/08/2012 16.00	30,0	30,0	-2,0	2,0	0,0	30,0	30,0	-1,0	1,0	-1,0	30,0	27,9	1,0	2,0	-1,0	30,0	28,0	0,0	0,0	-1,0
41	13/09/2012 15.00	22,0	30,0	0,0	0,0	1,0	22,0	30,0	0,0	0,0	1,0	22,0	27,9	2,0	1,0	0,0	22,0	28,0	2,0	1,0	0,0
42	18/09/2012 08.00	19,0	30,0	-1,0	1,0	1,0	19,0	30,0	-1,0	0,0	1,0	19,0	27,9	1,0	0,0	0,0	19,0	28,0	1,0	0,0	-1,0
43	26/09/2012 15.00	30,0	30,0	-1,0	2,0	0,0	30,0	30,0	0,0	1,0	1,0	30,0	27,9	3,0	3,0	0,0	30,0	28,0	1,0	2,0	0,0
44	04/10/2012 09.00	18,0	30,0	0,0	0,0	2,0	18,0	30,0	-1,0	-1,0	1,0	18,0	27,9	2,0	1,0	1,0	18,0	28,0	1,0	0,0	0,0
45	17/10/2012 08.30	14,0	30,0	-2,0	1,0	1,0	14,0	30,0	-2,0	1,0	1,0	14,0	27,9	1,0	2,0	1,0	14,0	28,0	0,0	1,0	1,0
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	1,0	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
8																					

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

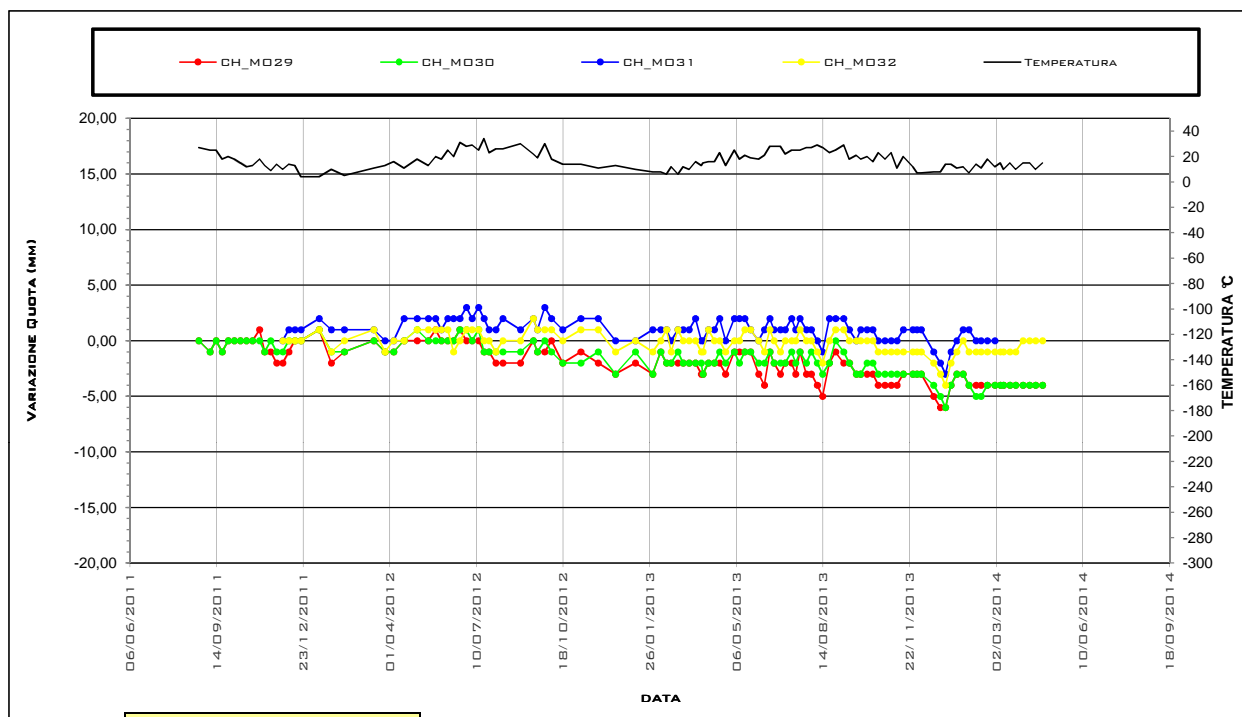
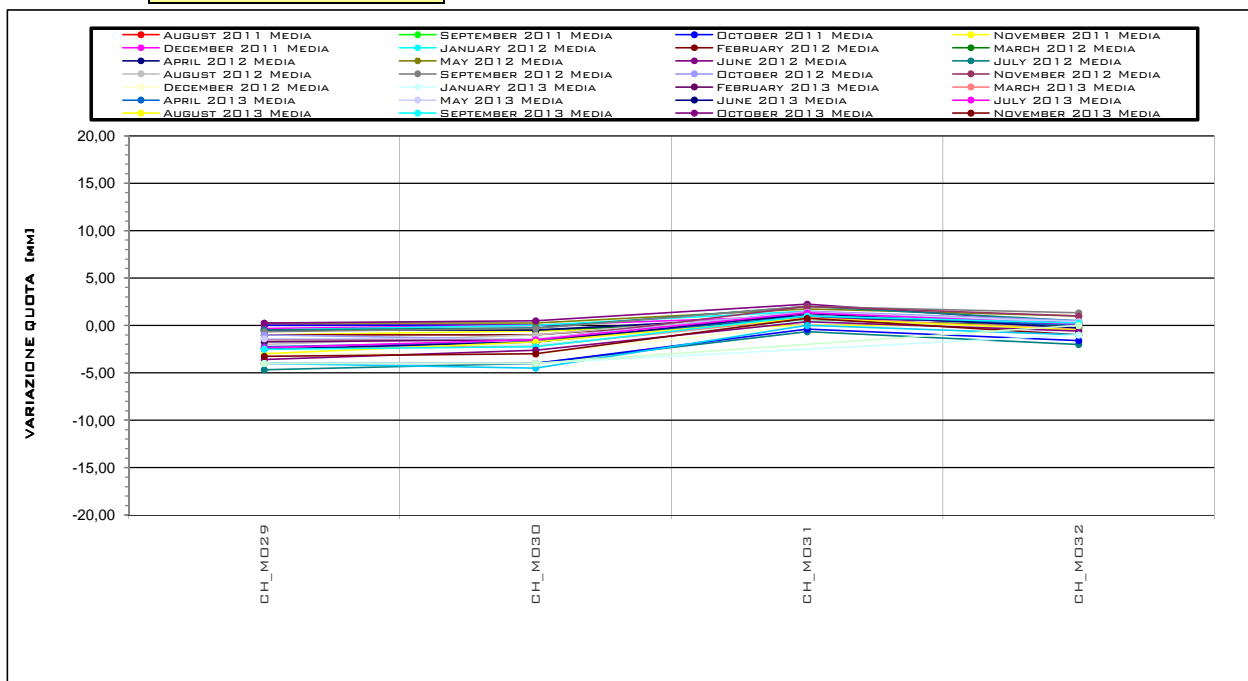


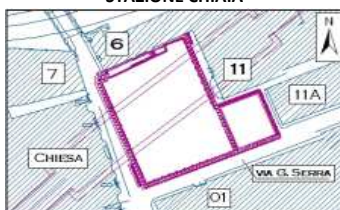
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Ubicazione STAZIONE CHIAIA
Opera \ \ Il Ordine di Tiranti \ 29-
Tipo Strumento Mire Ottiche
Data posa in opera 24/08/2011
Data lettura di zero 24/08/2011

UBICAZIONE

STAZIONE CHIAIA



\ \ Il Ordine di Tiranti \ 29-32

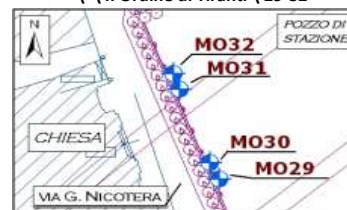


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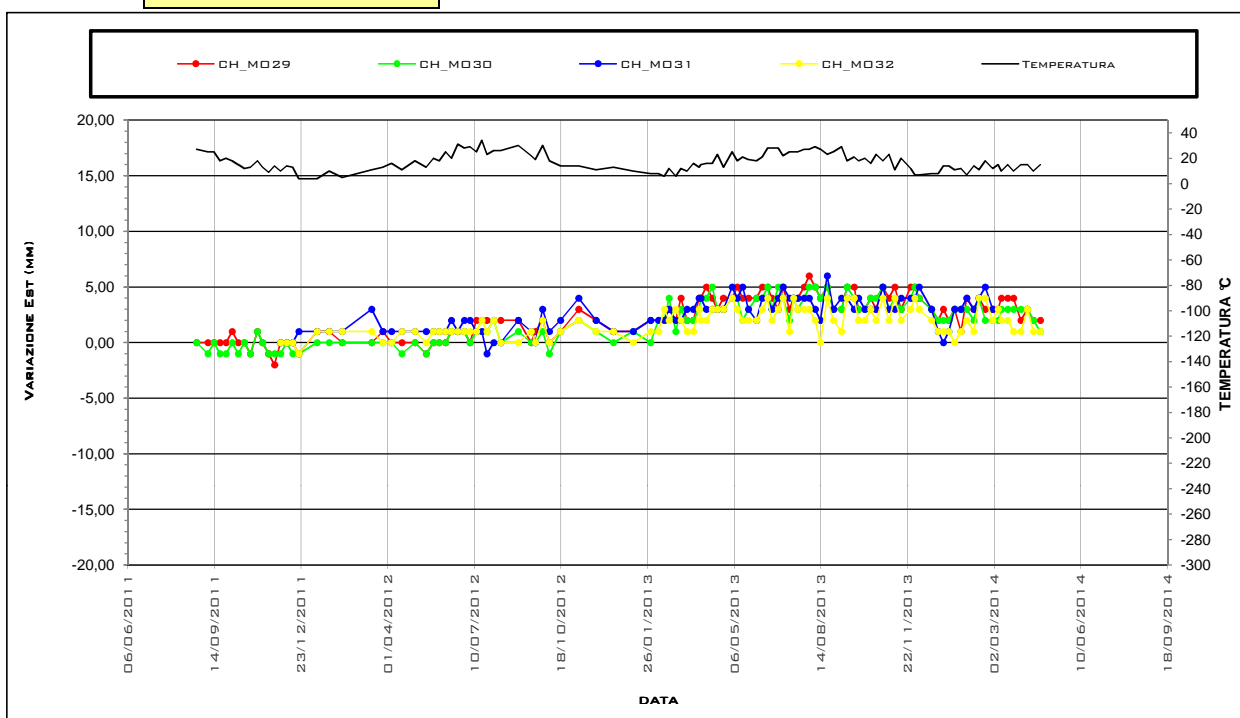
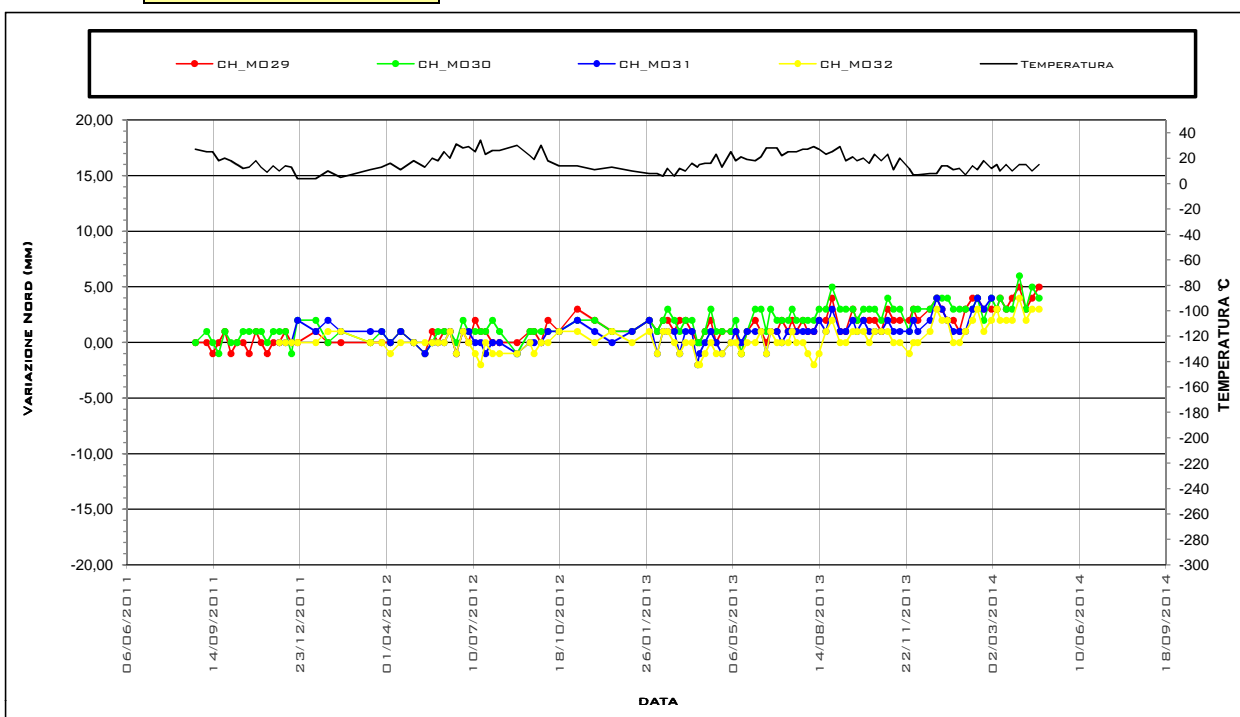


GRAFICO NORD



Ubicazione STAZIONE CHIAIA

Opera \ \ III Ordine - Tufo \ 33-37

Tipo Strumento Mire Ottiche

Data posa in opera 12/07/2012

Data lettura di zero 12/07/2012

Ultima
Misura

81

in
data

24/04/2014

Lett. n°	DATA	CH_M033					CH_M034					CH_M035					CH_M037A				
		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	12/07/2012 08.30	25,0	14,4	0,0	0,0	0,0															
2	18/07/2012 16.30	34,0	14,4	-1,0	-1,0	-1,0	34,0	11,6	0,0	0,0	0,0										
3	24/07/2012 09.00	23,0	14,4	-1,0	1,0	-2,0	23,0	11,6	-2,0	1,0	-1,0										
4	01/08/2012 09.00	26,0	14,4	-2,0	1,0	-3,0	26,0	11,6	-3,0	1,0	-2,0										
5	09/08/2012 08.30	26,0	14,4	-2,0	-1,0	0,0	26,0	11,6	-1,0	0,0	1,0										
6	29/08/2012 16.00	30,0	14,4	-2,0	-1,0	-1,0	30,0	11,6	-3,0	0,0	0,0										
7	13/09/2012 15.00	22,0	14,4	-2,0	-1,0	-2,0	22,0	11,6	0,0	0,0	3,0	22,0	11,8	0,0	0,0	0,0					
8	18/09/2012 08.00	19,0	14,4	0,0	0,0	0,0	19,0	11,6	0,0	-1,0	2,0	19,0	11,8	0,0	0,0	0,0					
9	26/09/2012 15.00	30,0	14,4	-1,0	-1,0	0,0	30,0	11,6	0,0	-1,0	2,0	30,0	11,8	-1,0	0,0	0,0					
10	04/10/2012 09.00	18,0	14,4	-2,0	-3,0	-1,0	18,0	11,6	1,0	-1,0	3,0	18,0	11,8	0,0	-2,0	-1,0					
11	17/10/2012 08.30	14,0	14,4	-1,0	-1,0	-1,0	14,0	11,6	-1,0	-1,0	2,0	14,0	11,8	0,0	0,0	0,0					
12	07/11/2012 08.30	14,0	14,4	0,0	-1,0	0,0	14,0	11,6	-1,0	1,0	3,0	14,0	11,8	-1,0	1,0	0,0					
13	27/11/2012 08.30	11,0	14,4	0,0	-2,0	0,0	11,0	11,6	0,0	0,0	3,0	11,0	11,8	-1,0	-3,0	-2,0					
14	17/12/2012 08.30	13,0	14,4	-2,0	-1,0	0,0	13,0	11,6	-3,0	-1,0	3,0	13,0	11,8	-1,0	0,0	0,0					
15	09/01/2013 08.30	10,0	14,4	-1,0	-2,0	-1,0	10,0	11,6	-1,0	-2,0	3,0	10,0	11,8	-1,0	-3,0	-1,0					
16	29/01/2013 08.30	8,0	14,4	-1,0	-1,0	-1,0	8,0	11,6	-1,0	0,0	1,0	8,0	11,8	0,0	0,0	0,0					
17	07/02/2013 15.00	8,0	14,4	0,0	-1,0	-2,0	8,0	11,6	0,0	-1,0	-1,0	8,0	11,8	1,0	-1,0	1,0					
18	14/02/2013 08.30	6,0	14,4	-1,0	0,0	-1,0	6,0	11,6	0,0	-1,0	0,0	6,0	11,8	-1,0	-1,0	0,0					
19	19/02/2013 15.30	12,0	14,4	-2,0	-1,0	-1,0	12,0	11,6	-1,0	-1,0	1,0	12,0	11,8	0,0	1,0	0,0					
20	27/02/2013 08.30	6,0	14,4	-1,0	-4,0	-4,0	6,0	11,6	0,0	-2,0	0,0	6,0	11,8	-1,0	-1,0	0,0					
21	05/03/2013 10.30	12,0	14,4	-1,0	-2,0	-1,0	12,0	11,6	1,0	-2,0	2,0	12,0	11,8	-1,0	0,0	0,0					
22	12/03/2013 08.30	10,0	14,4	0,0	-1,0	-2,0	10,0	11,6	1,0	-1,0	2,0	10,0	11,8	2,0	0,0	1,0					
23	19/03/2013 16.00	16,0	14,4	0,0	-3,0	-3,0	16,0	11,6	1,0	-2,0	1,0	16,0	11,8	0,0	3,0	1,0					
24	26/03/2013 08.30	13,0	14,4	-1,0	0,0	-4,0	13,0	11,6	0,0	-1,0	1,0	13,0	11,8	0,0	0,0	0,0					
25	28/03/2013 11.00	15,0	14,4	-2,0	-1,0	-4,0	15,0	11,6	-1,0	0,0	-1,0	15,0	11,8	1,0	1,0	1,0					
26	03/04/2013 17.30	16,0	14,4	1,0	1,0	-3,0	16,0	11,6	0,0	0,0	-1,0	16,0	11,8	-1,0	1,0	2,0					
27	10/04/2013 10.30	16,0	14,4	0,0	0,0	-2,0	16,0	11,6	0,0	0,0	1,0	16,0	11,8	0,0	0,0	1,0					
28	16/04/2013 15.00	23,0	14,4	0,0	-2,0	-3,0	23,0	11,6	1,0	-2,0	-1,0	23,0	11,8	0,0	3,0	0,0					
29	23/04/2013 08.30	13,0	14,4	-1,0	0,0	-2,0	13,0	11,6	0,0	0,0	-1,0	13,0	11,8	0,0	2,0	2,0					
30	03/05/2013 14.30	25,0	14,4	1,0	1,0	-3,0	25,0	11,6	1,0	1,0	1,0	25,0	11,8	0,0	4,0	3,0					
31	09/05/2013 08.30	18,0	14,4	1,0	1,0	-2,0	18,0	11,6	1,0	0,0	1,0	18,0	11,8	-1,0	2,0	2,0					
32	15/05/2013 14.30	21,0	14,4	2,0	-2,0	-3,0	21,0	11,6	1,0	-1,0	-2,0	21,0	11,8	-1,0	4,0	1,0					
33	22/05/2013 08.30	19,0	14,4	1,0	-1,0	-2,0	19,0	11,6	0,0	-1,0	0,0	19,0	11,8	-1,0	3,0	1,0					
34	31/05/2013 15.30	18,0	14,4	-1,0	1,0	0,0	18,0	11,6	0,0	1,0	1,0	18,0	11,8	1,0	1,0	0,0					
35	07/06/2013 08.30	21,0	14,4	0,0	-2,0	-2,0	21,0	11,6	0,0	-1,0	1,0	21,0	11,8	-1,0	2,0	2,0					
36	13/06/2013 14.30	28,0	14,4	1,0	0,0	-3,0	28,0	11,6	2,0	2,0	0,0	28,0	11,8	1,0	3,0	1,0					
37	18/06/2013 09.00	28,0	14,4	1,0	-1,0	-1,0	28,0	11,6	1,0	-1,0	1,0	28,0	11,8	0,0	1,0	2,0					
38	25/06/2013 18.00	28,0	14,4	1,0	-1,0	-1,0	28,0	11,6	0,0	-2,0	0,0										
39	01/07/2013 07.30	22,0	14,4	0,0	-2,0	-1,0	22,0	11,6	0,0	-2,0	1,0	22,0	11,8	1,0	4,0	3,0	22,0	10,6	0,0	0,0	0,0
40	08/07/2013 17.30	25,0	14,4	0,0	-5,0	-2,0	25,0	11,6	1,0	-5,0	-1,0	25,0	11,8	2,0	4,0	4,0	25,0	10,6	-1,0	-2,0	0,0
41	13/07/2013 07.30	25,0	14,4	-1,0	-3,0	-1,0	25,0	11,6	0,0	-4,0	2,0	25,0	11,8	0,0	4,0	3,0	25,0	10,6	-1,0	0,0	2,0
42	18/07/2013 07.30	25,0	14,4	1,0	-3,0	-1,0	25,0	11,6	1,0	-3,0	0,0	25,0	11,8	0,0	4,0	3,0	25,0	10,6	-1,0	-1,0	1,0
43	25/07/2013 18.00	27,0	14,4	0,0	-2,0	-1,0	27,0	11,6	0,0	-3,0	-1,0	27,0	11,8	1,0	5,0	4,0	27,0	10,6	-1,0	1,0	2,0
44	31/07/2013 09.00	27,0	14,4	0,0	0,0	-1,0	27,0	11,6	1,0	-1,0	0,0	27,0	11,8	-1,0	4,0	5,0	27,0	10,6	-2,0	-1,0	2,0
45	07/08/2013 09.00	29,0	14,4	-1,0	0,0	-2,0	29,0	11,6	0,0	-1,0	-1,0	29,0	11,8	-1,0	4,0	3,0	29,0	10,6	-3,0	1,0	0,0
46	13/08/2013 09.00	27,0	14,4	-2,0	-1,0	-3,0	27,0	11,6	-1,0	-2,0	-2,0	27,0	11,8	0,0	5,0	2,0	27,0	10,6	-3,0	2,0	-1,0
47	21/08/2013 07.30	23,0	14,4	1,0	-2,0	0,0	23,0	11,6	1,0	-1,0	2,0	23,0	11,8	1,0	7,0	3,0	23,0	10,6	-1,0	2,0	2,0
48	28/08/2013 10.30	25,0	14,4	1,0	-3,0	1,0	25,0	11,6	2,0	-4,0	4,0	25,0	11,8	1,0	6,0	4,0	25,0	10,6	-1,0	3,0	3,0
49	06/09/2013 17.30	29,0	14,4	1,0	-3,0	-1,0	29,0	11,6	0,0	-3,0	1,0	29,0	11,8	2,0	6,0	3,0					
50	13/09/2013 07.30	18,0	14,4	0,0	-2,0	-2,0	18,0	11,6	0,0	-2,0	0,0	18,0	11,8	1,0	6,0	4,0	18,0	10,6	1,0	-1,0	2,0
51	21/09/2013 09.30	21,0	14,4	-1,0	-2,0	0,0	21,0	11,6	1,0	-2,0	2,0	21,0	11,8	2,0	7,0	3,0	21,0	10,6	-1,0	2,0	0,0
52	26/09/2013 09.30	18,0	14,4	0,0	-3,0	0,0	18,0	11,6	1,0	-3,0	1,0	18,0	11,8	2,0	7,0	4,0	18,0	10,6	2,0	-1,0	2,0
53	03/10/2013 16.30	20,0	14,4	0,0	-3,0	0,0	20,0	11,6	1,0	-2,0	2,0	20,0	11,8	2,0	6,0	3,0	20,0	10,6	2,0	-2,0	2,0
54	10/10/2013 08.30	16,0	14,4	0,0	-2,0	-2,0	16,0	11,6	1,0	-2,0	2,0	16,0	11,8	3,0	7,0	5,0	16,0	10,6	3,0	0,0	3,0
55	16/10/2013 14.30	23,0	14,4	-1,0	-3,0	0,0	23,0	11,6	1,0	-2,0	3,0	23,0	11,8	2,0	5,0	4,0	23,0	10,6	1,0	-1,0	2,0
56	24/10/2013 08.30	18,0	14,4	-1,0	-2,0	-1,0	18,0	11,6	1,0	0,0	1,0	18,0	11,8	2,0	5,0	6,0	18,0	10,6	0,0	0,0	3,0
57	31/10/2013 14.30	23,0	14,4	-1,0	-4,0	0,0	23,0	11,6	0,0	-3,0	2,0	23,0	11,8	2,0	6,0	5,0	23,0	10,6	-1,0	3,0	1,0
58	07/11/2013 08.30	11,0	14,4	-1,0	-3,0	-2,0	11,0	11,6	0,0	-3,0	0,0	11,0	11,8	2,0	5,0	5,0	11,0	10,6	0,0	2,0	2,0
59	14/11/2013 14.30	20,0	14,4	-1,0	-3,0	-2,0	20,0	11,6	1,0	-3,0	2,0	20,0	11,8	2,0	6,0	5,0	20,0	10,6	0,0	2,0	2,0
60	25/11/2013 15.30	12,0	14,4	-1,0	-1,0	-2,0	12,0	11,6	1,0	-1,0	1,0	12,0	11,8	2,0	6,0	6,0	12,0	10,6	0,0	5,0	2,0
61	30/11/2013 08.30	7,0	14,4	-1,0	-2,0	-1,0	7,0	11,6	1,0	-1,0	2,0	7,0	11,8	2,0	8,0	4,0	7,0	10,6	0,0	3,0	4,0
62	05																				

Ubicazione STAZIONE CHIAIA
Opera \ \ III Ordine - Tufo \ 33-37
Tipo Strumento Mire Ottiche
Data posa in opera 12/07/2012
Data lettura di zero 12/07/2012

GRAFICO QUOTA

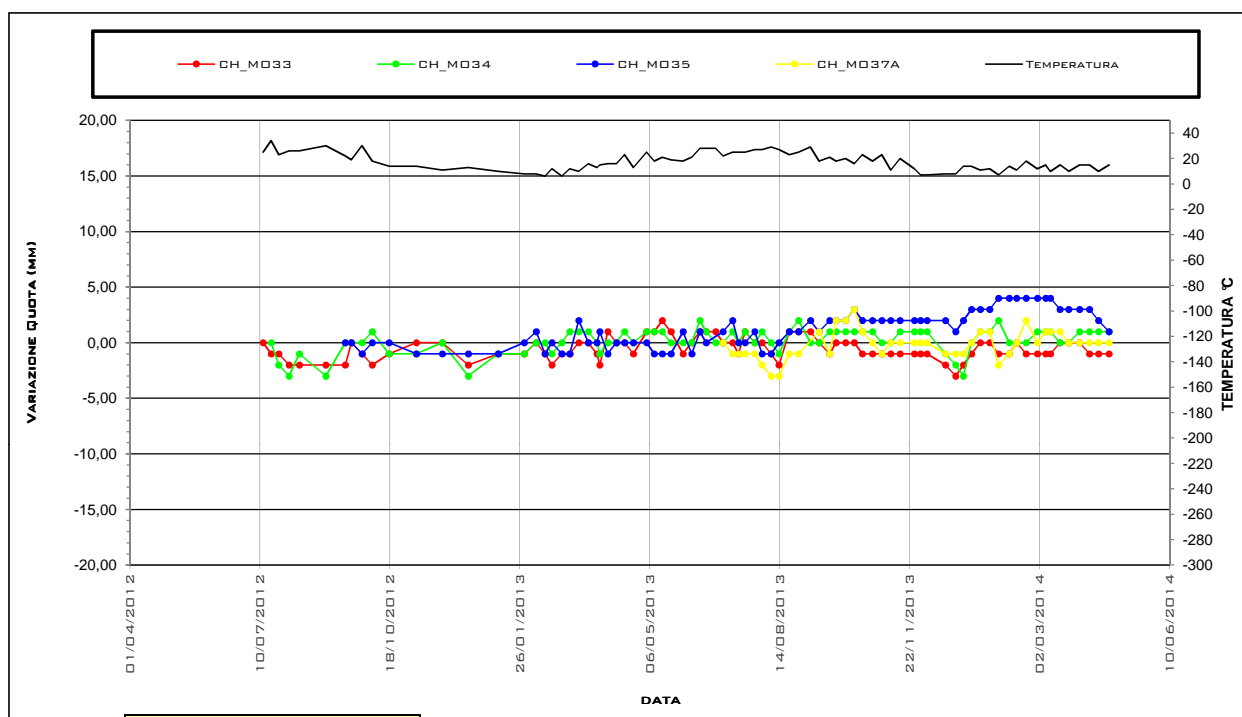
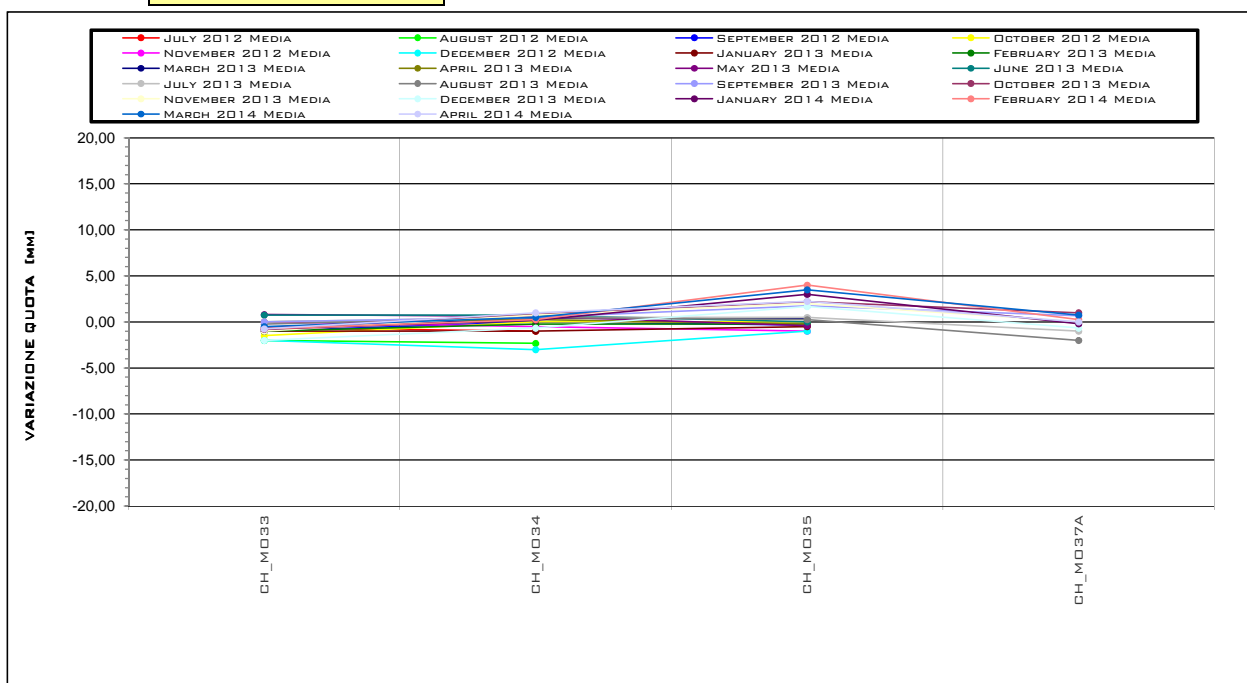


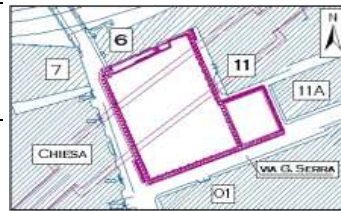
GRAFICO ISOCRONE



Ubicazione STAZIONE CHIAIA
Opera \ \ III Ordine - Tufo \ 33-37
Tipo Strumento Mire Ottiche
Data posa in opera 12/07/2012
Data lettura di zero 12/07/2012

UBICAZIONE

STAZIONE CHIAIA



\ \ III Ordine - Tufo \ 33-37



GRAFICO EST

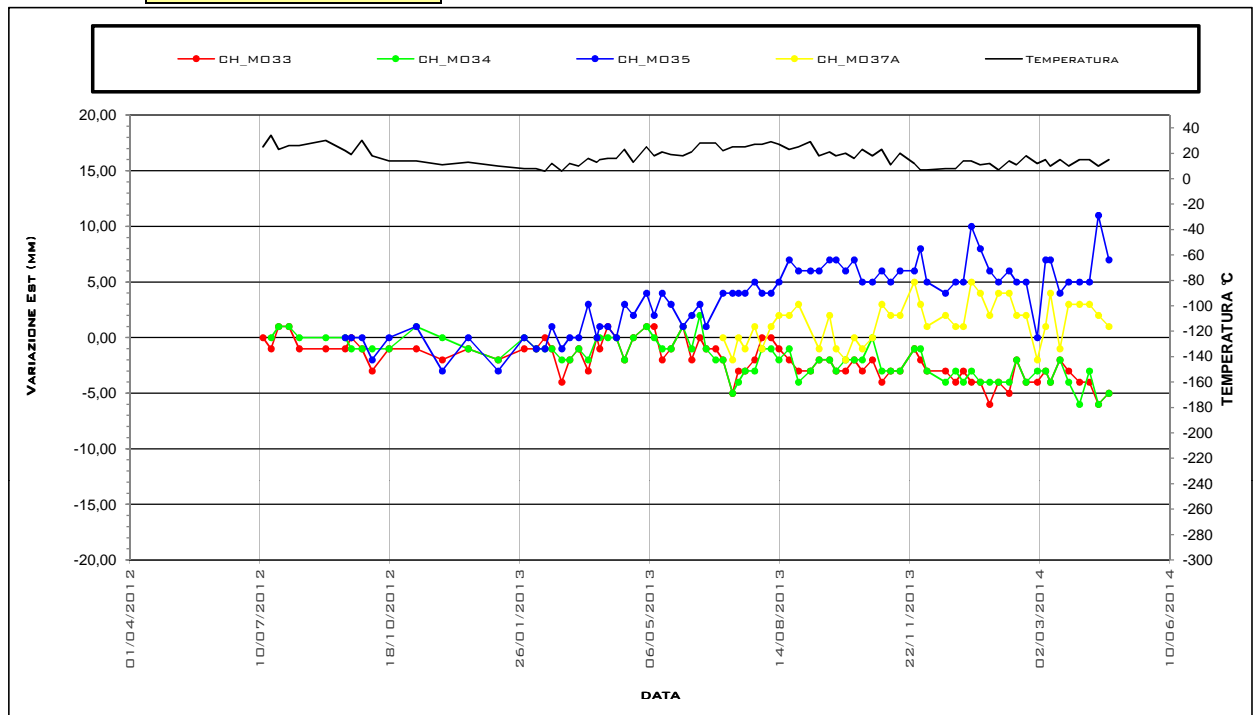
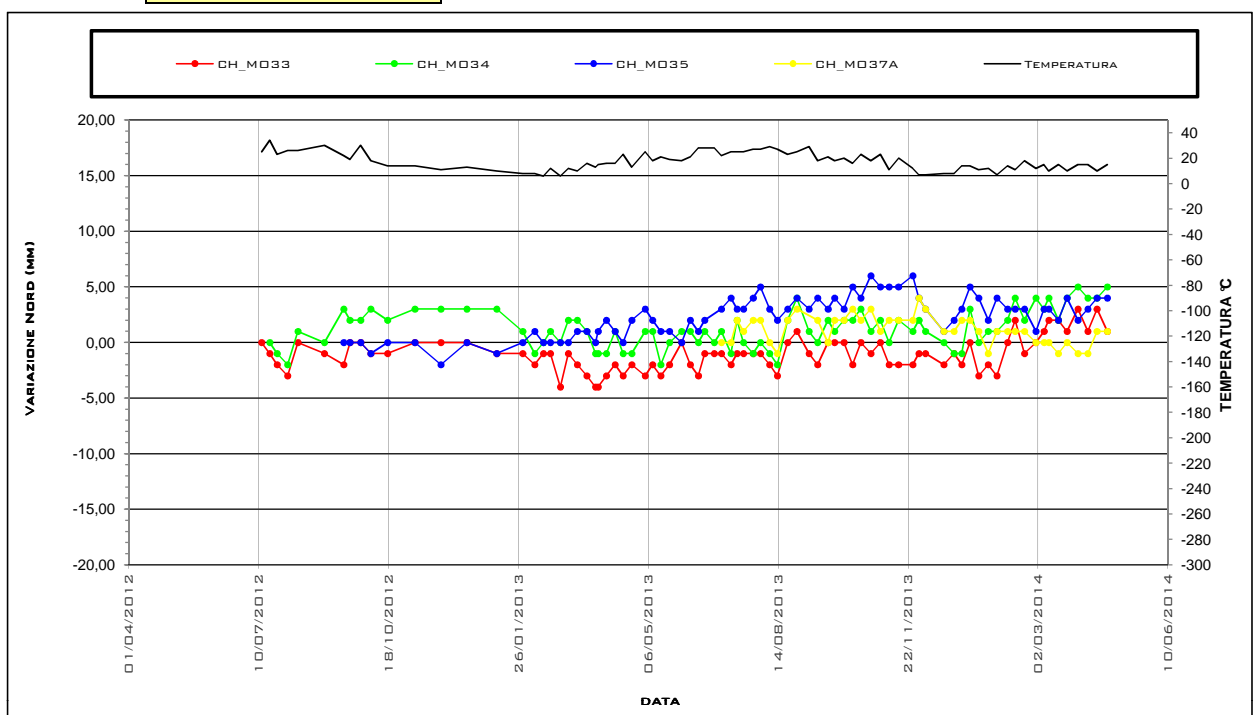


GRAFICO NORD





Ubicazione STAZIONE CHIAIA

Opera \ \ IV Ordine - Tufo \ 36A

Tipo Strumento Mire Ottiche

Data posa in opera 13/09/2012

Data lettura di zero 13/09/2012

Ultima
Misura 70 in
data 24/04/2014

Lett. n°	DATA	CH_M036					CH_M036A				
		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	13/09/2012 15.00	22,0	7,6	0,0	0,0	0,0					
2	18/09/2012 08.00	19,0	7,6	-1,0	0,0	0,0					
3	26/09/2012 15.00	30,0	7,6	0,0	1,0	2,0					
4	04/10/2012 09.00	18,0	7,6	-1,0	-2,0	0,0					
5	17/10/2012 08.30	14,0	7,6	-2,0	0,0	1,0					
6	07/11/2012 08.30	14,0	7,6	-1,0	1,0	2,0					
7	27/11/2012 08.30	11,0	7,6	0,0	1,0	1,0					
8	17/12/2012 08.30	13,0	7,6	-2,0	0,0	2,0					
9	09/01/2013 08.30	10,0	7,6	-1,0	-1,0	0,0					
10	29/01/2013 08.30	8,0	7,6	-2,0	0,0	0,0					
11	07/02/2013 15.00	8,0	7,6	0,0	-1,0	-1,0					
12	14/02/2013 08.30	6,0	7,6	-1,0	0,0	1,0					
13	19/02/2013 15.30	12,0	7,6	-1,0	0,0	1,0					
14	28/03/2013 11.00						15,0	9,3	0,0	0,0	0,0
15	03/04/2013 17.30						16,0	9,3	0,0	3,0	-1,0
16	10/04/2013 10.30						16,0	9,3	0,0	1,0	1,0
17	16/04/2013 15.00						23,0	9,3	0,0	2,0	-1,0
18	23/04/2013 08.30						13,0	9,3	-1,0	3,0	-1,0
19	03/05/2013 14.30						25,0	9,3	-1,0	5,0	0,0
20	09/05/2013 08.30						18,0	9,3	-2,0	4,0	-1,0
21	15/05/2013 14.30						21,0	9,3	-1,0	2,0	-2,0
22	22/05/2013 08.30						19,0	9,3	-1,0	1,0	-1,0
23	31/05/2013 15.30						18,0	9,3	-2,0	3,0	0,0
24	07/06/2013 08.30						21,0	9,3	-2,0	2,0	-1,0
25	13/06/2013 14.30						28,0	9,3	-1,0	4,0	-2,0
26	18/06/2013 09.00						28,0	9,3	0,0	2,0	0,0
27	25/06/2013 18.00						28,0	9,3	-2,0	3,0	-1,0
28	01/07/2013 07.30						22,0	9,3	-1,0	2,0	-1,0
29	08/07/2013 17.30						25,0	9,3	-1,0	-1,0	-1,0
30	13/07/2013 07.30						25,0	9,3	-2,0	-1,0	2,0
31	18/07/2013 07.30						25,0	9,3	-1,0	0,0	1,0
32	25/07/2013 18.00						27,0	9,3	-1,0	0,0	1,0
33	31/07/2013 09.00						27,0	9,3	-1,0	3,0	2,0
34	07/08/2013 09.00						29,0	9,2	-3,0	2,0	0,0
35	13/08/2013 09.00						27,0	9,2	-4,0	1,0	-1,0
36	21/08/2013 07.30						23,0	9,3	-1,0	1,0	2,0
37	28/08/2013 10.30						25,0	9,3	1,0	0,0	4,0
38	06/09/2013 17.30						29,0	9,3	-1,0	0,0	0,0
39	13/09/2013 07.30						18,0	9,3	-1,0	0,0	1,0
40	21/09/2013 09.30						21,0	9,3	-2,0	1,0	2,0
41	26/09/2013 09.30						18,0	9,3	-2,0	0,0	1,0
42	03/10/2013 16.30						20,0	9,3	-2,0	1,0	2,0
43	10/10/2013 08.30						16,0	9,3	-1,0	1,0	2,0
44	16/10/2013 14.30						23,0	9,3	-2,0	1,0	2,0
45	24/10/2013 08.30						18,0	9,3	-2,0	3,0	2,0
46	31/10/2013 14.30						23,0	9,2	-3,0	0,0	3,0
47	07/11/2013 08.30						11,0	9,3	-2,0	0,0	2,0
48	14/11/2013 14.30						20,0	9,3	-2,0	0,0	1,0
49	25/11/2013 15.30						12,0	9,3	-2,0	1,0	2,0
50	30/11/2013 08.30						7,0	9,3	-2,0	1,0	3,0
51	05/12/2013 08.30						7,0	9,3	-2,0	0,0	1,0
52	19/12/2013 13.00						8,0	9,2	-4,0	-1,0	0,0
53	27/12/2013 09.00						8,0	9,2	-5,0	-2,0	1,0
54	02/01/2014 07.30						14,0	9,2	-5,0	-1,0	0,0
55	08/01/2014 14.30						14,0	9,3	-2,0	-1,0	3,0
56	15/01/2014 08.30						11,0	9,3	-1,0	-2,0	1,0
57	22/01/2014 14.30						12,0	9,3	-1,0	-3,0	2,0
58	29/01/2014 08.30						7,0	9,3	-1,0	-1,0	1,0
59	06/02/2014 14.30						14,0	9,3	-1,0	-2,0	4,0
60	12/02/2014 08.30						11,0	9,3	-1,0	1,0	4,0
61	19/02/2014 14.30						18,0	9,3	-1,0	-1,0	2,0
62	28/02/2014 08.30						12,0	9,3	-1,0	0,0	4,0
63	06/03/2014 16.30						15,0	9,2	-3,0	-1,0	5,0
64	10/03/2014 08.30						10,0	9,2	-3,0	0,0	2,0
65	17/03/2014 15.30						15,0	9,2	-3,0	1,0	3,0
66	24/03/2014 08.30						10,0	9,3	-2,0	-1,0	5,0
67	01/04/2014 18.30						15,0	9,3	-2,0	-2,0	4,0
68	09/04/2014 08.30						15,0	9,3	-2,0	0,0	3,0
69	16/04/2014 08.30						10,0	9,3	-2,0	-3,0	4,0
70	24/04/2014 08.30						15,0	9,3	-2,0	-2,0	5,0

Ubicazione STAZIONE CHIAIA
Opera \ \ IV Ordine - Tufo \ 36A
Tipo Strumento Mire Ottiche
Data posa in opera 13/09/2012
Data lettura di zero 13/09/2012

GRAFICO QUOTA

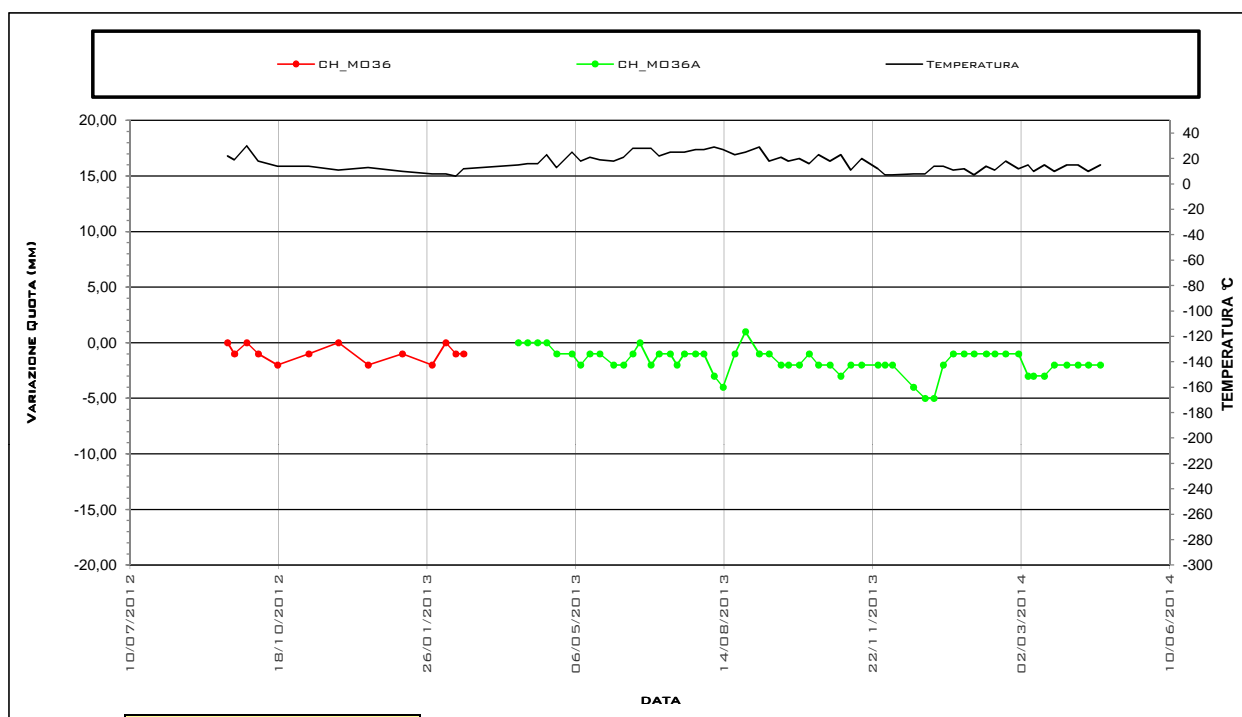
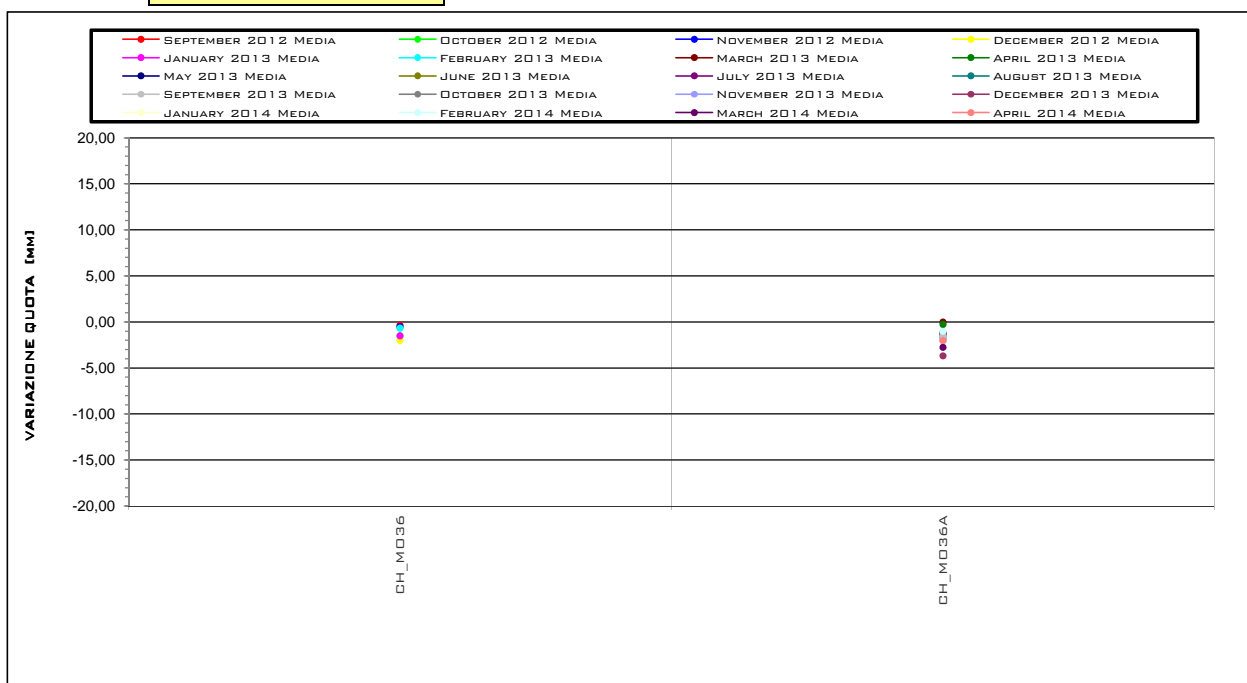


GRAFICO ISOCRONE



Ubicazione STAZIONE CHIAIA
Opera \ \ IV Ordine - Tufo \ 36A
Tipo Strumento Mire Ottiche
Data posa in opera 13/09/2012
Data lettura di zero 13/09/2012

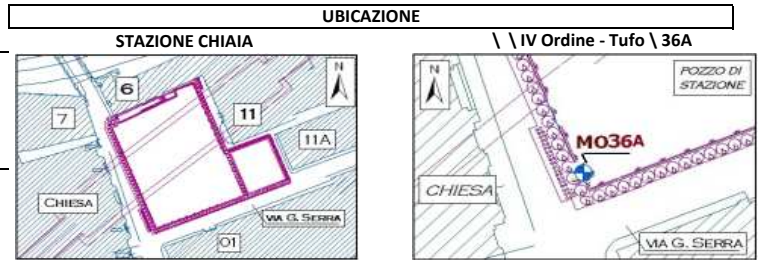


GRAFICO EST

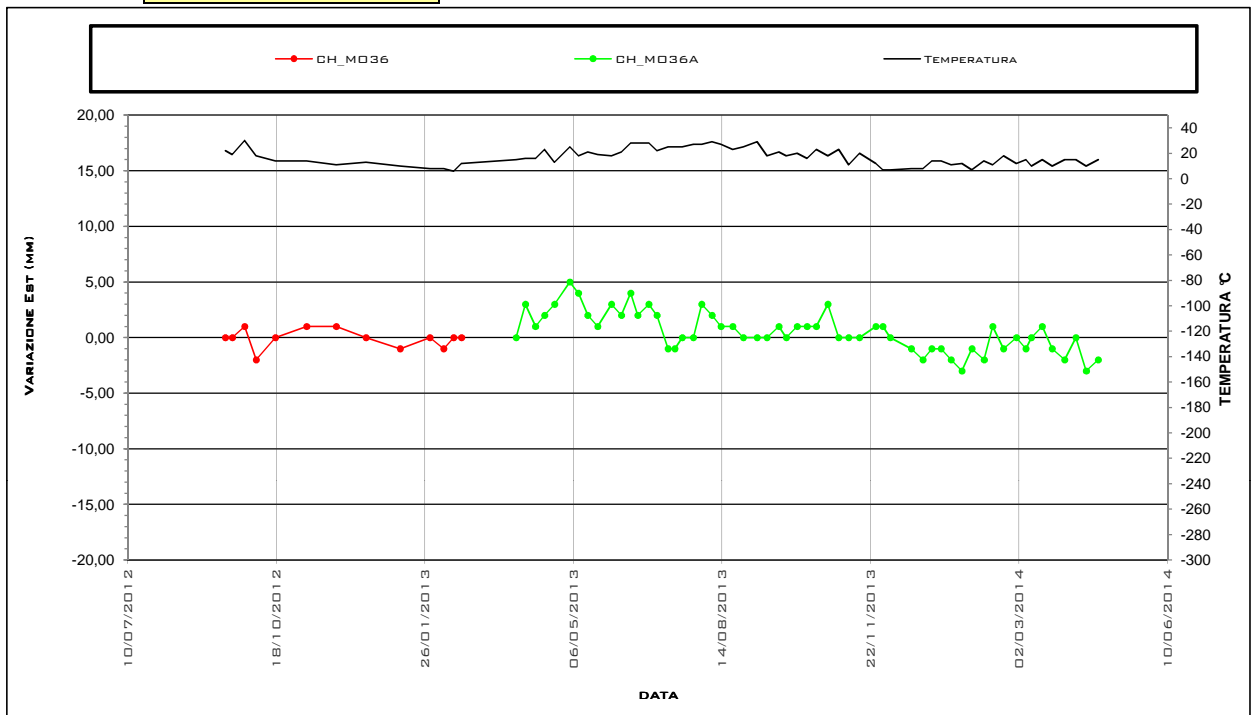
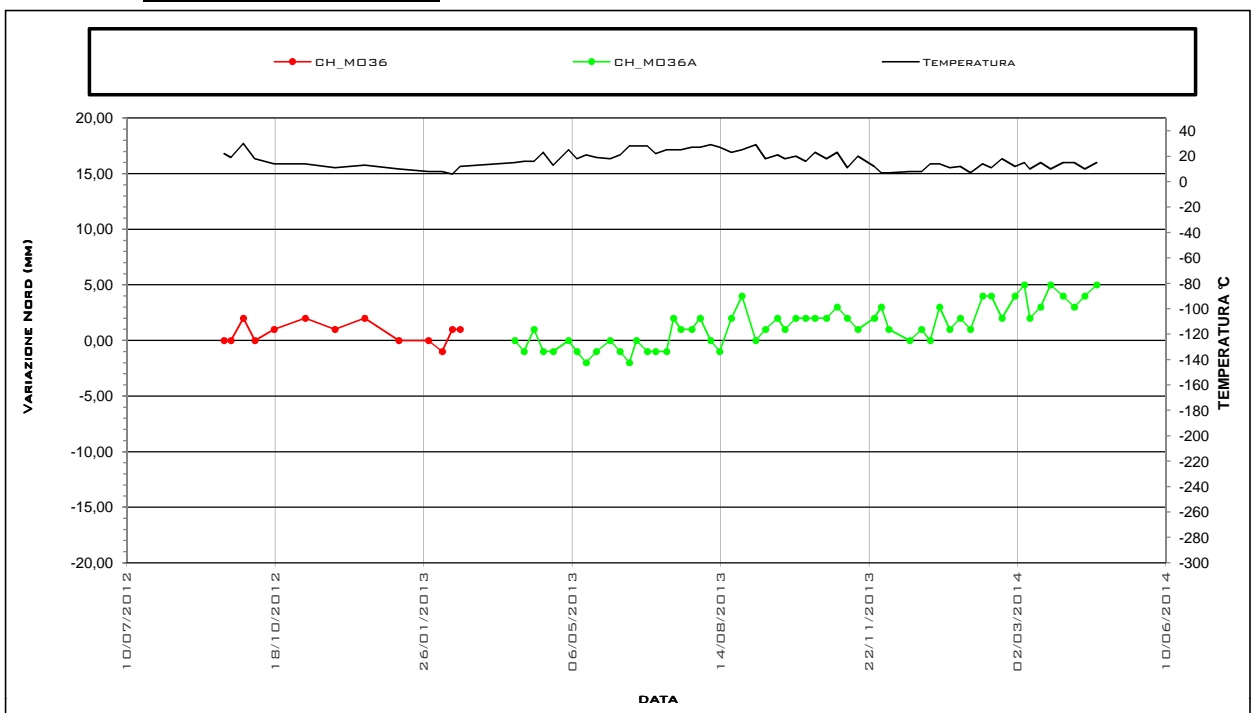


GRAFICO NORD





Ubicazione STAZIONE CHIAIA

Opera \ \ III Ordine - Tufo \ 38-40

Tipo Strumento Mire Ottiche

Data posa in opera 07/02/2013

Data lettura di zero 07/02/2013

Ultima
Misura

66

in
data

24/04/2014

Letto. n°	DATA	CH_M038					CH_M039					CH_M040				
		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	07/02/2013 15.01	8,0	14,7	0,0	0,0	0,0	8,0	14,6	0,0	0,0	0,0					
2	14/02/2013 08.30	6,0	14,7	1,0	0,0	3,0	6,0	14,6	0,0	0,0	3,0					
3	14/02/2013 08.31											6,0	14,8	0,0	0,0	0,0
4	19/02/2013 15.30	12,0	14,7	-2,0	0,0	2,0	12,0	14,6	0,0	1,0	4,0	12,0	14,8	2,0	-1,0	-1,0
5	27/02/2013 08.30	6,0	14,7	0,0	-1,0	2,0	6,0	14,6	1,0	0,0	1,0	6,0	14,8	1,0	0,0	-1,0
6	05/03/2013 10.30	12,0	14,7	0,0	-1,0	3,0	12,0	14,6	0,0	-1,0	3,0	12,0	14,8	1,0	0,0	0,0
7	12/03/2013 08.30	10,0	14,7	-1,0	-1,0	3,0	10,0	14,6	-1,0	-1,0	3,0	10,0	14,8	2,0	1,0	-1,0
8	19/03/2013 16.00	16,0	14,7	0,0	-1,0	2,0	16,0	14,6	2,0	-1,0	3,0	16,0	14,8	3,0	2,0	-1,0
9	26/03/2013 08.30	13,0	14,7	-1,0	0,0	0,0	13,0	14,6	0,0	0,0	-1,0	13,0	14,8	3,0	1,0	-1,0
10	28/03/2013 11.00	15,0	14,7	-2,0	0,0	0,0	15,0	14,6	-1,0	0,0	0,0	15,0	14,8	3,0	1,0	-1,0
11	03/04/2013 17.30	16,0	14,7	0,0	-1,0	0,0	16,0	14,6	2,0	-1,0	1,0	16,0	14,8	2,0	0,0	-2,0
12	10/04/2013 10.30	16,0	14,7	-1,0	-1,0	1,0	16,0	14,6	1,0	-1,0	2,0	16,0	14,8	2,0	1,0	1,0
13	16/04/2013 15.00	23,0	14,7	0,0	-2,0	2,0	23,0	14,6	2,0	-1,0	0,0	23,0	14,8	2,0	1,0	-2,0
14	23/04/2013 08.30	13,0	14,7	-2,0	-2,0	1,0	13,0	14,6	-1,0	-1,0	0,0	13,0	14,8	2,0	-1,0	-1,0
15	03/05/2013 14.30	25,0	14,7	1,0	2,0	2,0	25,0	14,6	2,0	1,0	1,0	25,0	14,8	4,0	3,0	1,0
16	09/05/2013 08.30	18,0	14,7	0,0	-1,0	2,0	18,0	14,6	1,0	-1,0	1,0	18,0	14,8	5,0	2,0	2,0
17	15/05/2013 14.30	21,0	14,7	1,0	0,0	1,0	21,0	14,6	2,0	-1,0	0,0	21,0	14,8	4,0	3,0	0,0
18	22/05/2013 08.30	19,0	14,7	0,0	-2,0	2,0	19,0	14,6	1,0	-4,0	1,0	19,0	14,8	4,0	3,0	1,0
19	31/05/2013 15.30	18,0	14,7	-2,0	-2,0	3,0	18,0	14,6	0,0	-3,0	2,0	18,0	14,8	5,0	2,0	0,0
20	07/06/2013 08.30	21,0	14,7	-1,0	-1,0	3,0	21,0	14,6	0,0	-1,0	1,0	21,0	14,8	5,0	3,0	0,0
21	13/06/2013 14.30	28,0	14,7	0,0	0,0	1,0	28,0	14,6	2,0	0,0	-1,0	28,0	14,8	6,0	4,0	-1,0
22	18/06/2013 09.00	28,0	14,7	-1,0	-2,0	3,0	28,0	14,6	2,0	-2,0	1,0	28,0	14,8	4,0	2,0	1,0
23	25/06/2013 18.00	28,0	14,7	0,0	-1,0	2,0	28,0	14,6	2,0	-1,0	1,0	28,0	14,8	4,0	4,0	0,0
24	01/07/2013 07.30	22,0	14,7	0,0	0,0	3,0	22,0	14,6	2,0	-1,0	2,0	22,0	14,8	3,0	3,0	-1,0
25	08/07/2013 17.30	25,0	14,7	0,0	-1,0	2,0	25,0	14,6	3,0	-2,0	0,0	25,0	14,8	4,0	4,0	1,0
26	13/07/2013 07.30	25,0	14,7	0,0	0,0	2,0	25,0	14,6	1,0	-2,0	2,0	25,0	14,8	4,0	2,0	1,0
27	18/07/2013 07.30	25,0	14,7	-1,0	-2,0	2,0	25,0	14,6	2,0	-3,0	1,0	25,0	14,8	4,0	2,0	0,0
28	25/07/2013 18.00	27,0	14,7	0,0	-1,0	2,0	27,0	14,6	2,0	-1,0	1,0	27,0	14,8	5,0	2,0	0,0
29	31/07/2013 09.00	27,0	14,7	0,0	-1,0	2,0	27,0	14,6	2,0	-1,0	0,0	27,0	14,8	5,0	3,0	-1,0
30	07/08/2013 09.00	29,0	14,7	-2,0	-2,0	3,0	29,0	14,6	1,0	-3,0	1,0	29,0	14,8	4,0	4,0	1,0
31	13/08/2013 09.00	27,0	14,7	-3,0	-3,0	4,0	27,0	14,6	0,0	-4,0	2,0	27,0	14,8	3,0	4,0	2,0
32	21/08/2013 07.30	23,0	14,7	1,0	2,0	4,0	23,0	14,6	2,0	0,0	2,0	23,0	14,8	4,0	4,0	0,0
33	28/08/2013 10.30	25,0	14,7	1,0	-1,0	4,0	25,0	14,6	3,0	-2,0	4,0	25,0	14,8	6,0	3,0	-1,0
34	06/09/2013 17.30	29,0	14,7	0,0	-2,0	2,0	29,0	14,6	3,0	-3,0	0,0	29,0	14,8	7,0	1,0	-2,0
35	13/09/2013 07.30	18,0	14,7	-1,0	-1,0	3,0	18,0	14,6	1,0	-2,0	0,0	18,0	14,8	7,0	1,0	-2,0
36	21/09/2013 09.30	21,0	14,7	-1,0	-2,0	2,0	21,0	14,6	2,0	-2,0	2,0	21,0	14,8	8,0	0,0	-3,0
37	26/09/2013 09.30	18,0	14,7	-1,0	-2,0	2,0	18,0	14,6	2,0	-3,0	0,0	18,0	14,8	8,0	0,0	-2,0
38	03/10/2013 16.30	20,0	14,7	-1,0	-1,0	3,0	20,0	14,6	2,0	-2,0	2,0	20,0	14,8	7,0	1,0	-2,0
39	10/10/2013 08.30	16,0	14,7	-1,0	-2,0	2,0	16,0	14,6	2,0	-3,0	0,0	16,0	14,8	8,0	2,0	-1,0
40	16/10/2013 14.30	23,0	14,7	-1,0	-2,0	3,0	23,0	14,6	1,0	-3,0	2,0	23,0	14,8	8,0	0,0	-1,0
41	24/10/2013 08.30	18,0	14,7	-1,0	0,0	2,0	18,0	14,6	1,0	-1,0	0,0	18,0	14,8	7,0	1,0	-1,0
42	31/10/2013 14.30	23,0	14,7	-1,0	-2,0	3,0	23,0	14,6	1,0	-2,0	2,0	23,0	14,8	8,0	2,0	-1,0
43	07/11/2013 08.30	11,0	14,7	-1,0	-2,0	1,0	11,0	14,6	1,0	-2,0	0,0	11,0	14,8	8,0	1,0	0,0
44	14/11/2013 14.30	20,0	14,7	-1,0	-3,0	2,0	20,0	14,6	1,0	-4,0	0,0					
45	25/11/2013 15.30	12,0	14,7	-1,0	-2,0	1,0	12,0	14,6	1,0	-1,0	0,0					
46	30/11/2013 08.30	7,0	14,7	-1,0	-1,0	2,0	7,0	14,6	1,0	-1,0	2,0					
47	05/12/2013 08.30	7,0	14,7	-1,0	-1,0	3,0	7,0	14,6	1,0	-2,0	1,0					
48	19/12/2013 13.00	8,0	14,7	-3,0	-3,0	5,0	8,0	14,6	-1,0	-4,0	3,0					
49	27/12/2013 09.00	8,0	14,7	-4,0	-4,0	6,0	8,0	14,6	-2,0	-5,0	6,0					
50	02/01/2014 07.30	14,0	14,7	-5,0	-5,0	7,0	14,0	14,6	-2,0	-5,0	5,0					
51	08/01/2014 14.30	14,0	14,7	-2,0	-3,0	3,0	14,0	14,6	0,0	-5,0	3,0					
52	15/01/2014 08.30	11,0	14,7	-1,0	-2,0	2,0	11,0	14,6	1,0	-5,0	2,0					
53	22/01/2014 14.30	12,0	14,7	0,0	-3,0	3,0	12,0	14,6	1,0	-4,0	3,0					
54	29/01/2014 08.30	7,0	14,7	0,0	-1,0	4,0	7,0	14,6	1,0	-3,0	2,0					
55	06/02/2014 14.30	14,0	14,7	-2,0	-4,0	5,0	14,0	14,6	1,0	-5,0	3,0					
56	12/02/2014 08.30	11,0	14,7	-2,0	-3,0	5,0	11,0	14,6	1,0	-3,0	2,0					
57	19/02/2014 14.30	18,0	14,7	-2,0	-3,0	4,0	18,0	14,6	1,0	-4,0	4,0					
58	28/02/2014 08.30	12,0	14,7	-1,0	-4,0	6,0	12,0	14,6	1,0	-5,0	4,0					
59	06/03/2014 16.30	15,0	14,7	-2,0	-4,0	6,0	15,0	14,6	1,0	-4,0	5,0					
60	10/03/2014 08.30	10,0	14,7	-2,0	-3,0	6,0	10,0	14,6	1,0	-4,0	4,0					
61	17/03/2014 15.30	15,0	14,7	0,0	-3,0	6,0	15,0	14,6	2,0	-5,0	2,0					
62	24/03/2014 08.30	10,0	14,7	0,0	-2,0	6,0	10,0	14,6	2,0	-5,0	3,0					
63	01/04/2014 18.30	15,0	14,7	0,0	-5,0	5,0	15,0	14,6	2,0	-6,0	4,0					
64	09/04/2014 08.30	15,0	14,7	0,0	-3,0	5,0	15,0	14,6	2,0	-5,0	4,0					
65	16/04/2014 08.30	10,0	14,7	0,0	-5,0	6,0	10,0	14,6	2,0	-6,0	4,0					
66	24/04/2014 08.30	15,0	14,7	0,0	-4,0	6,0	15,0	14,6	2,0	-6,0	5,0					

Ubicazione STAZIONE CHIAIA
Opera \ \ III Ordine - Tufo \ 38-40
Tipo Strumento Mire Ottiche
Data posa in opera 07/02/2013
Data lettura di zero 07/02/2013

GRAFICO QUOTA

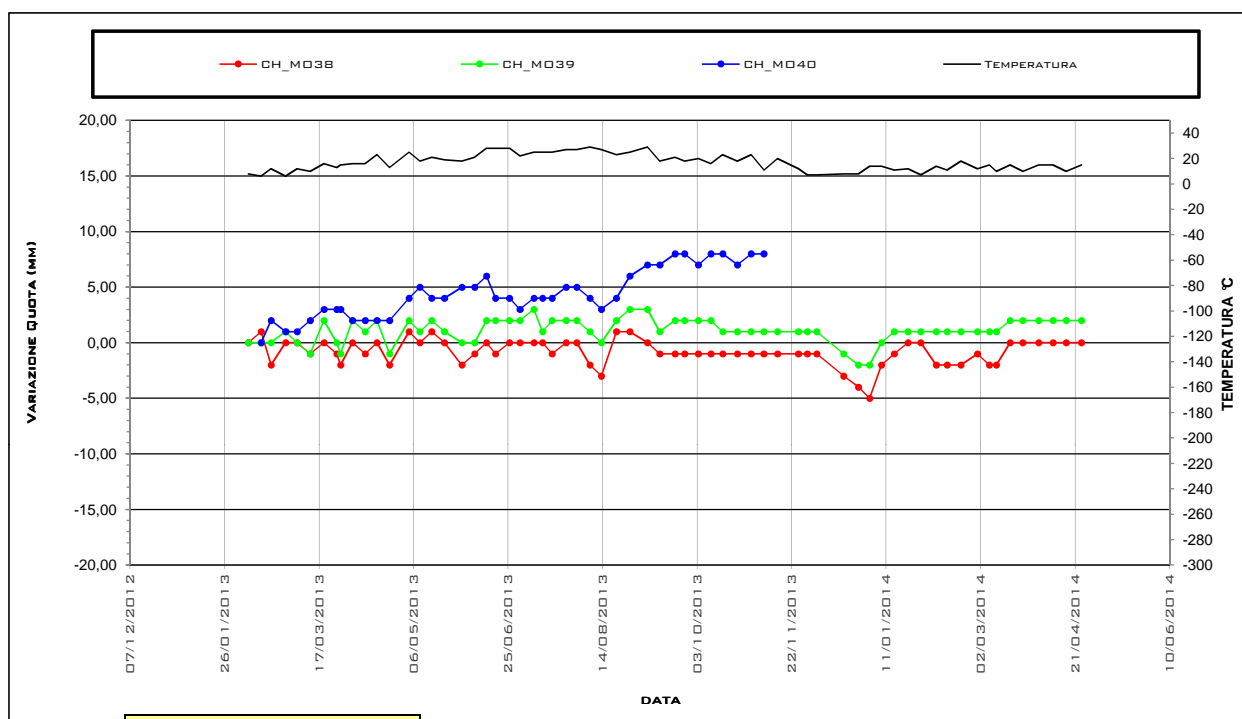
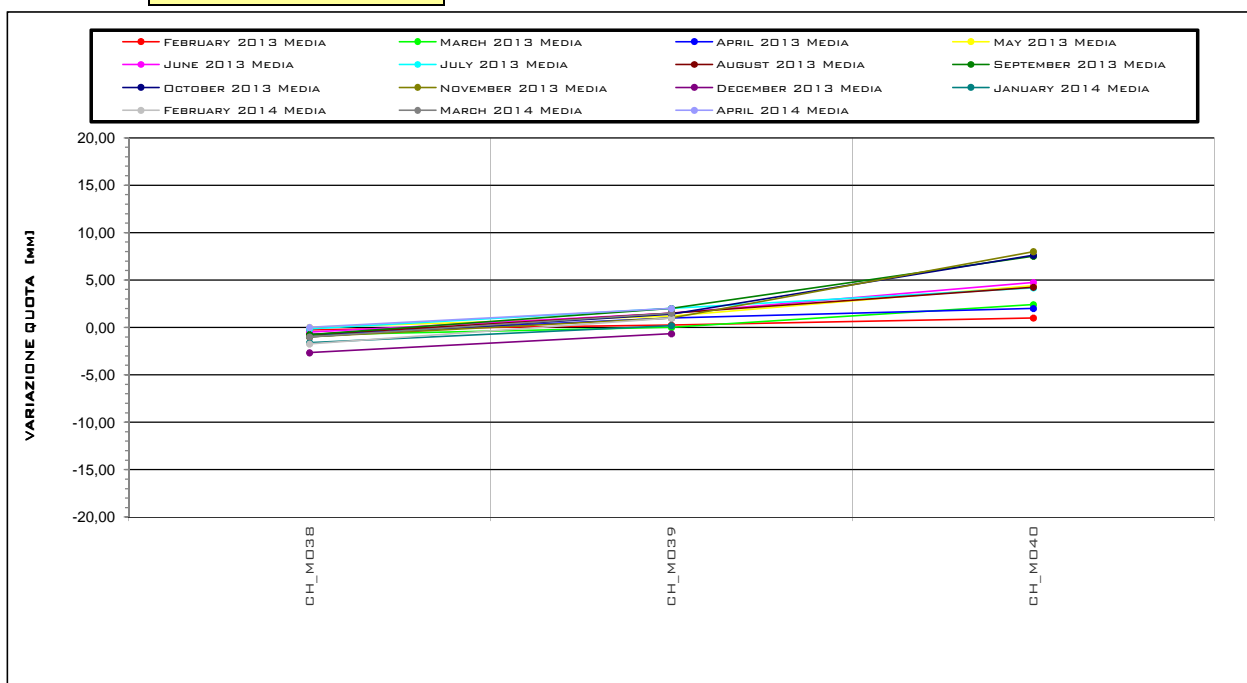


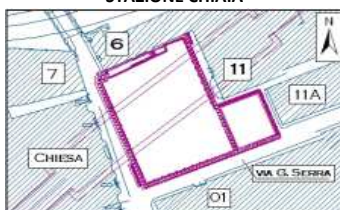
GRAFICO ISOCRONE



Ubicazione STAZIONE CHIAIA
Opera \ \ III Ordine - Tufo \ 38-40
Tipo Strumento Mire Ottiche
Data posa in opera 07/02/2013
Data lettura di zero 07/02/2013

UBICAZIONE

STAZIONE CHIAIA



\ \ III Ordine - Tufo \ 38-40



GRAFICO EST

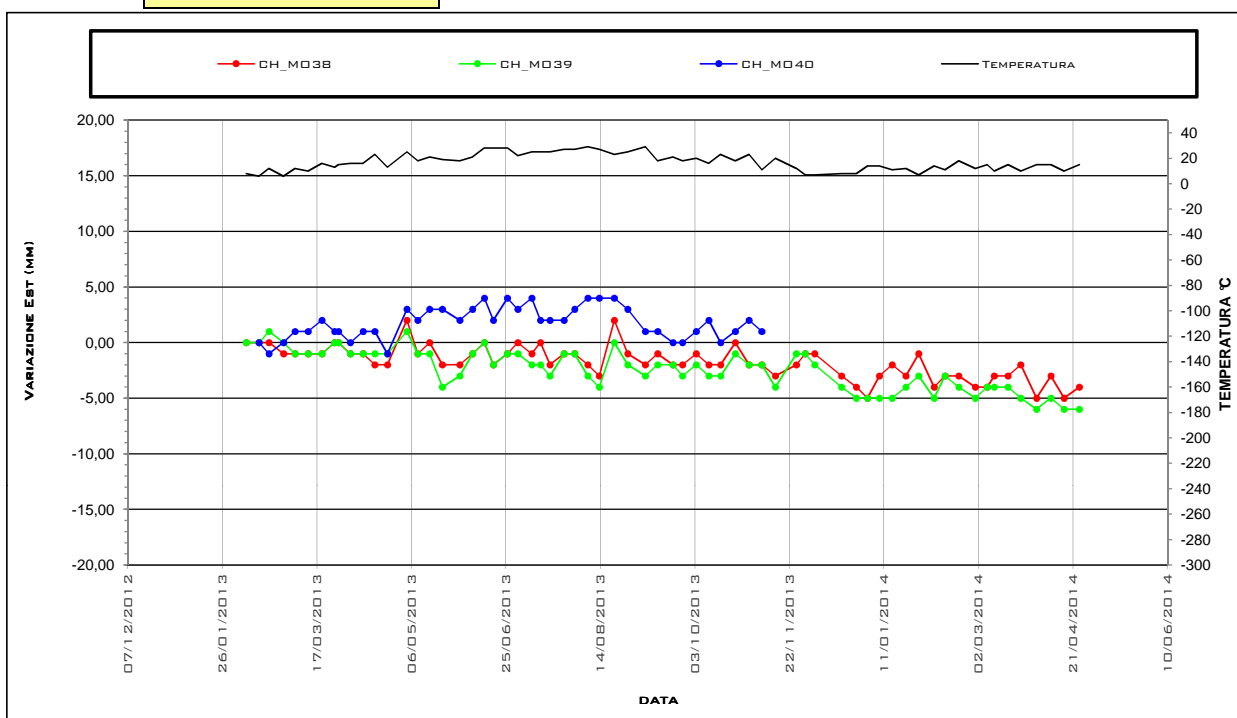
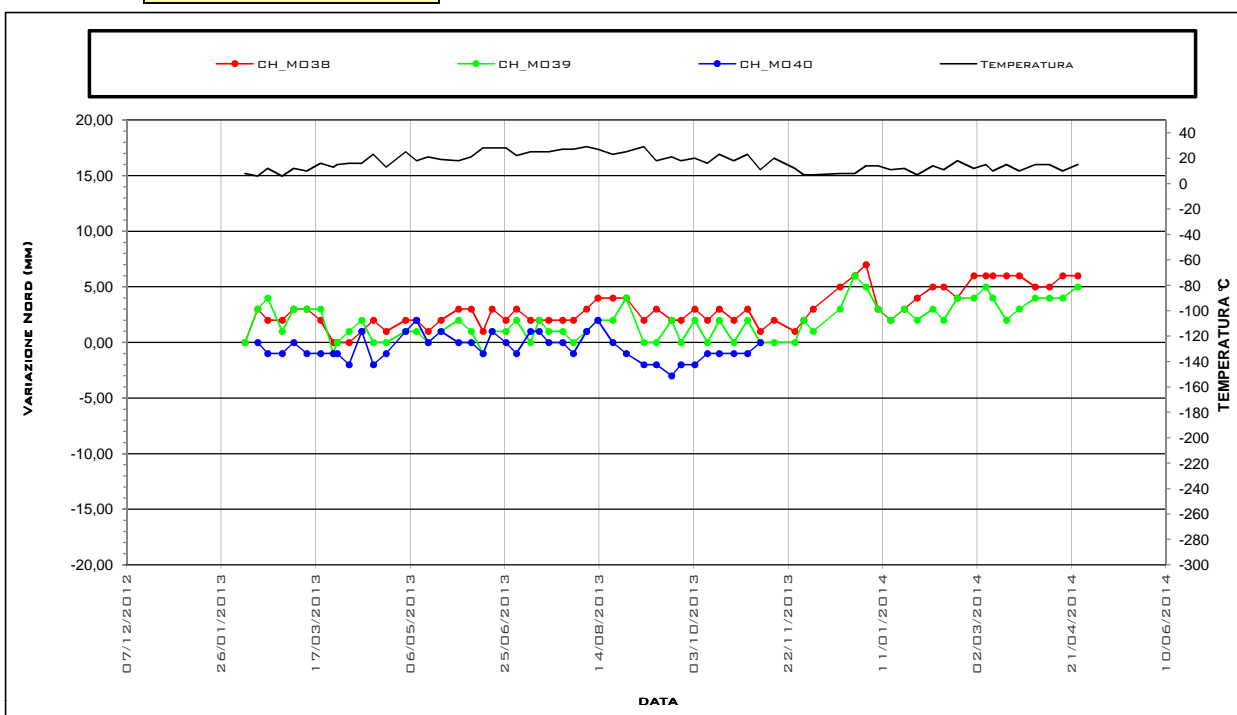


GRAFICO NORD



Ubicazione STAZIONE CHIAIA

Opera \ \ IV Ordine - Tufo \ 41-44

Tipo Strumento Mire Ottiche

Data posa in opera 05/03/2013

Data lettura di zero 05/03/2013

Ultima Misura

61

in
data

24/04/2014

Lett. n°	DATA	CH_M041					CH_M042					CH_M043					CH_M044				
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1	05/03/2013 10.30	12,0	9,5	0,0	0,0	0,0	12,0	9,4	0,0	0,0	0,0	12,0	9,7	0,0	0,0	0,0	12,0	10,2	0,0	0,0	0,0
2	12/03/2013 08.30	10,0	9,5	1,0	1,0	3,0	10,0	9,4	-1,0	-1,0	2,0	10,0	9,7	1,0	1,0	-2,0	10,0	10,2	0,0	-1,0	-2,0
3	19/03/2013 16.00	16,0	9,5	0,0	0,0	4,0	16,0	9,4	1,0	-1,0	2,0	16,0	9,7	1,0	2,0	-2,0	16,0	10,2	1,0	0,0	-2,0
4	26/03/2013 08.30	13,0	9,5	0,0	2,0	0,0	13,0	9,4	0,0	2,0	-2,0	13,0	9,7	0,0	1,0	-2,0	13,0	10,2	0,0	0,0	-3,0
5	28/03/2013 11.00	15,0	9,5	-2,0	0,0	1,0	15,0	9,4	0,0	0,0	0,0	15,0	9,7	1,0	1,0	-2,0	15,0	10,2	0,0	0,0	-2,0
6	03/04/2013 17.30	16,0	9,5	-3,0	0,0	2,0	16,0	9,4	1,0	0,0	0,0	16,0	9,7	-1,0	1,0	-4,0	16,0	10,2	-2,0	-1,0	-3,0
7	10/04/2013 10.30	16,0	9,5	-1,0	-1,0	2,0	16,0	9,4	0,0	0,0	2,0	16,0	9,7	1,0	1,0	-2,0	16,0	10,2	1,0	0,0	-1,0
8	16/04/2013 15.00	23,0	9,5	0,0	0,0	1,0	23,0	9,4	2,0	0,0	0,0	23,0	9,7	1,0	1,0	-4,0	23,0	10,2	-2,0	-1,0	-3,0
9	23/04/2013 08.30	13,0	9,5	0,0	0,0	0,0	13,0	9,4	0,0	0,0	0,0	13,0	9,7	0,0	0,0	-2,0	13,0	10,2	-1,0	-1,0	-1,0
10	03/05/2013 14.30	25,0	9,5	0,0	1,0	1,0	25,0	9,4	0,0	1,0	0,0	25,0	9,7	0,0	5,0	-3,0	25,0	10,2	-2,0	1,0	-2,0
11	09/05/2013 08.30	18,0	9,5	-1,0	-1,0	2,0	18,0	9,4	1,0	-1,0	1,0	18,0	9,7	0,0	3,0	-2,0	18,0	10,2	-1,0	-2,0	-2,0
12	15/05/2013 14.30	21,0	9,5	-1,0	0,0	2,0	21,0	9,4	1,0	1,0	0,0	21,0	9,7	1,0	4,0	-4,0	21,0	10,2	-1,0	0,0	-4,0
13	22/05/2013 08.30	19,0	9,5	0,0	-1,0	3,0	19,0	9,4	0,0	-1,0	0,0	19,0	9,7	1,0	4,0	-5,0	19,0	10,2	-1,0	0,0	-3,0
14	31/05/2013 15.30	18,0	9,5	-1,0	-1,0	3,0	18,0	9,4	-1,0	-2,0	1,0	18,0	9,7	1,0	4,0	-4,0	18,0	10,2	0,0	-1,0	-3,0
15	07/06/2013 08.30	21,0	9,5	-1,0	-1,0	2,0	21,0	9,4	-1,0	-1,0	2,0	21,0	9,7	1,0	4,0	-5,0	21,0	10,2	1,0	0,0	-4,0
16	13/06/2013 14.30	28,0	9,5	0,0	0,0	0,0	28,0	9,4	1,0	-1,0	0,0	28,0	9,7	2,0	5,0	-5,0	28,0	10,2	1,0	1,0	-4,0
17	18/06/2013 09.00	28,0	9,5	0,0	0,0	2,0	28,0	9,4	0,0	-2,0	1,0	28,0	9,7	1,0	3,0	-4,0	28,0	10,2	-1,0	0,0	-2,0
18	25/06/2013 18.00	28,0	9,5	0,0	0,0	2,0	28,0	9,4	0,0	0,0	1,0					28,0	10,2	0,0	0,0	-4,0	
19	01/07/2013 07.30	22,0	9,5	1,0	0,0	2,0	22,0	9,4	0,0	-1,0	1,0	22,0	9,7	1,0	4,0	-5,0	22,0	10,2	0,0	0,0	-3,0
20	08/07/2013 17.30	25,0	9,5	1,0	0,0	3,0	25,0	9,4	3,0	-1,0	0,0	25,0	9,7	2,0	5,0	-3,0	25,0	10,2	0,0	1,0	-1,0
21	13/07/2013 07.30	25,0	9,5	0,0	0,0	3,0	25,0	9,4	1,0	-2,0	0,0	25,0	9,7	2,0	3,0	-3,0	25,0	10,2	0,0	0,0	-3,0
22	18/07/2013 07.30	25,0	9,5	-1,0	-1,0	2,0	25,0	9,4	2,0	-2,0	0,0	25,0	9,7	1,0	3,0	-4,0	25,0	10,2	-1,0	-1,0	-2,0
23	25/07/2013 18.00	27,0	9,5	1,0	1,0	2,0	27,0	9,4	1,0	-1,0	1,0	27,0	9,7	2,0	4,0	-4,0	27,0	10,2	0,0	-1,0	-2,0
24	31/07/2013 09.00	27,0	9,5	1,0	-1,0	2,0	27,0	9,4	2,0	-2,0	0,0	27,0	9,7	2,0	3,0	-4,0	27,0	10,2	0,0	-1,0	-1,0
25	07/08/2013 09.00	29,0	9,5	0,0	-1,0	3,0	29,0	9,4	0,0	-4,0	1,0	29,0	9,7	1,0	4,0	-3,0	29,0	10,2	-1,0	-3,0	-1,0
26	13/08/2013 09.00	27,0	9,5	-1,0	-2,0	4,0	27,0	9,4	-1,0	-5,0	2,0	27,0	9,7	0,0	5,0	-2,0	27,0	10,2	-1,0	-2,0	-1,0
27	21/08/2013 07.30	23,0	9,5	1,0	1,0	3,0	23,0	9,4	2,0	0,0	1,0	23,0	9,7	2,0	5,0	-5,0	23,0	10,2	-1,0	1,0	-2,0
28	28/08/2013 10.30	25,0	9,5	2,0	-2,0	4,0	25,0	9,4	5,0	-1,0	2,0	25,0	9,7	3,0	4,0	-5,0	25,0	10,2	-1,0	1,0	-1,0
29	06/09/2013 17.30	29,0	9,5	1,0	-2,0	2,0	29,0	9,4	3,0	0,0	0,0										
30	13/09/2013 07.30	18,0	9,5	0,0	0,0	2,0	18,0	9,4	3,0	0,0	0,0										
31	21/09/2013 09.30						21,0	9,4	3,0	-1,0	1,0										
32	26/09/2013 09.30	18,0	9,5	3,0	-1,0	4,0	18,0	9,4	3,0	-1,0	1,0										
33	03/10/2013 16.30	20,0	9,5	3,0	-1,0	5,0	20,0	9,4	3,0	-1,0	2,0										
34	10/10/2013 08.30	16,0	9,5	3,0	-3,0	3,0	16,0	9,4	3,0	-2,0	0,0										
35	16/10/2013 14.30	23,0	9,5	1,0	-3,0	4,0	23,0	9,4	2,0	-1,0	2,0										
36	24/10/2013 08.30	18,0	9,5	1,0	-1,0	4,0	18,0	9,4	2,0	1,0	0,0										
37	31/10/2013 14.30	23,0	9,5	0,0	-2,0	5,0	23,0	9,4	2,0	-1,0	1,0	23,0	9,7	5,0	5,0	-5,0					
38	07/11/2013 08.30	11,0	9,5	0,0	-1,0	3,0	11,0	9,4	2,0	0,0	0,0										
39	14/11/2013 14.30	20,0	9,5	1,0	-3,0	4,0	20,0	9,4	2,0	-2,0	0,0										
40	25/11/2013 15.30	12,0	9,5	1,0	-1,0	3,0	12,0	9,4	2,0	-1,0	0,0										
41	30/11/2013 08.30	7,0	9,5	1,0	0,0	5,0	7,0	9,4	1,0	1,0	1,0										
42	05/12/2013 08.30	7,0	9,5	1,0	-3,0	4,0	7,0	9,4	2,0	0,0	1,0										
43	19/12/2013 13.00	8,0	9,5	-1,0	-4,0	6,0	8,0	9,4	-11,0	-3,0	2,0										
44	27/12/2013 09.00	8,0	9,5	-2,0	-5,0	7,0	8,0	9,4	-1,0	-5,0	4,0										
45	02/01/2014 07.30	14,0	9,5	-2,0	-6,0	8,0	14,0	9,4	-3,0	-6,0	4,0										
46	08/01/2014 14.30	14,0	9,5	0,0	-4,0	5,0	14,0	9,4	1,0	-3,0	2,0										
47	15/01/2014 08.30	11,0	9,5	1,0	-2,0	4,0	11,0	9,4	2,0	-2,0	1,0										
48	22/01/2014 14.30	12,0	9,5	2,0	-2,0	5,0	12,0	9,4	2,0	-2,0	1,0										
49	29/01/2014 08.30	7,0	9,5	2,0	-3,0	5,0	7,0	9,4	2,0	-2,0	1,0										
50	06/02/2014 14.30	14,0	9,5	1,0	-3,0	6,0	14,0	9,4	2,0	-3,0	3,0										
51	12/02/2014 08.30	11,0	9,5	1,0	-3,0	6,0	11,0	9,4	2,0	-3,0	2,0										
52	19/02/2014 14.30	18,0	9,5	1,0	-3,0	7,0	18,0	9,4	2,0	-2,0	3,0										
53	28/02/2014 08.30	12,0	9,5	2,0	-2,0	7,0	12,0	9,4	3,0	-3,0	4,0										
54	06/03/2014 16.30	15,0	9,5	2,0	-3,0	7,0	15,0	9,4	1,0	-3,0	3,0										
55	10/03/2014 08.30	10,0	9,5	2,0	-3,0	7,0	10,0	9,4	2,0	-2,0	4,0										
56	17/03/2014 15.30	15,0	9,5	2,0	-3,0	6,0	15,0	9,4	2,0	-3,0	3,0										
57	24/03/2014 08.30	10,0	9,5	2,0	-3,0	7,0	10,0	9,4	2,0	-4,0	4,0										
58	01/04/2014 18.30	15,0	9,5	2,0	-6,0	8,0	15,0	9,4	2,0	-6,0	3,0										
59	09/04/2014 08.30	15,0	9,5	2,0	-5,0	6,0	15,0	9,4	2,0	-4,0	3,0										
60	16/04/2014 08.30	10,0	9,5	2,0	-5,0	7,0	10,0	9,4	2,0	-3,0	3,0										
61	24/04/2014 08.30	15,0	9,5	2,0	-4,0	8,0	15,0	9,4	2,0	-5,0	4,0										

Ubicazione STAZIONE CHIAIA
Opera \ \ IV Ordine - Tufo \ 41-44
Tipo Strumento Mire Ottiche
Data posa in opera 05/03/2013
Data lettura di zero 05/03/2013

GRAFICO QUOTA

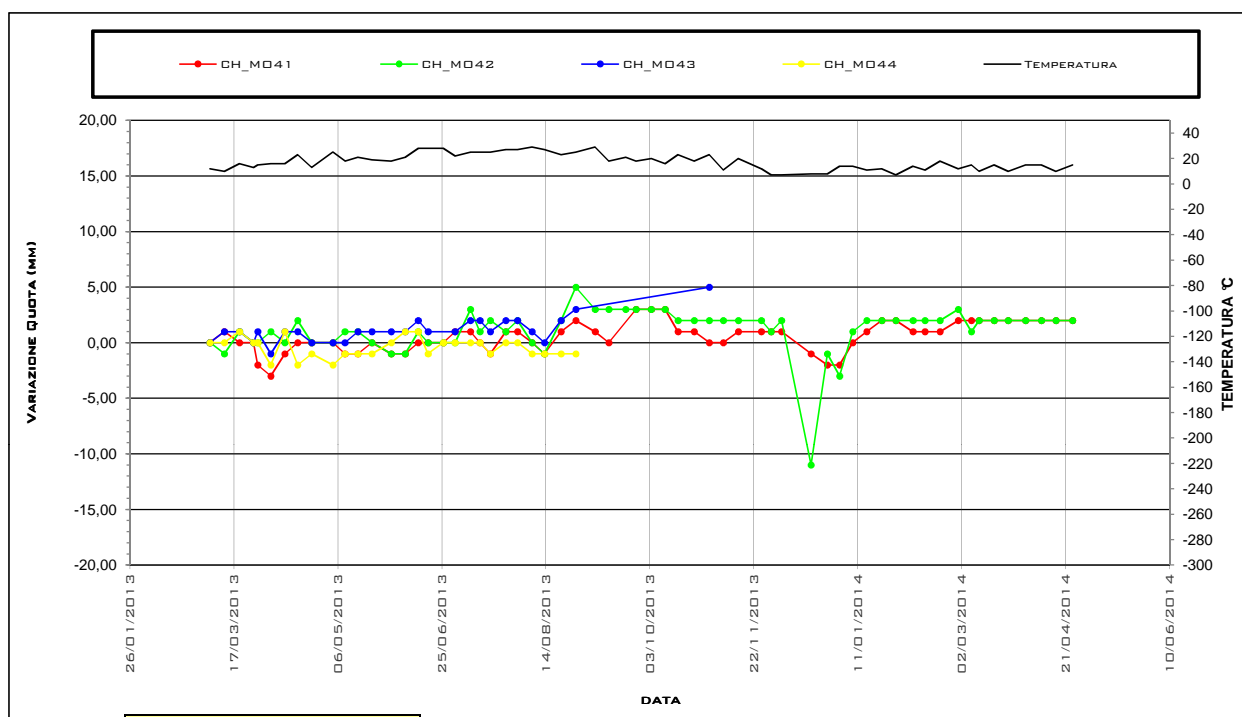
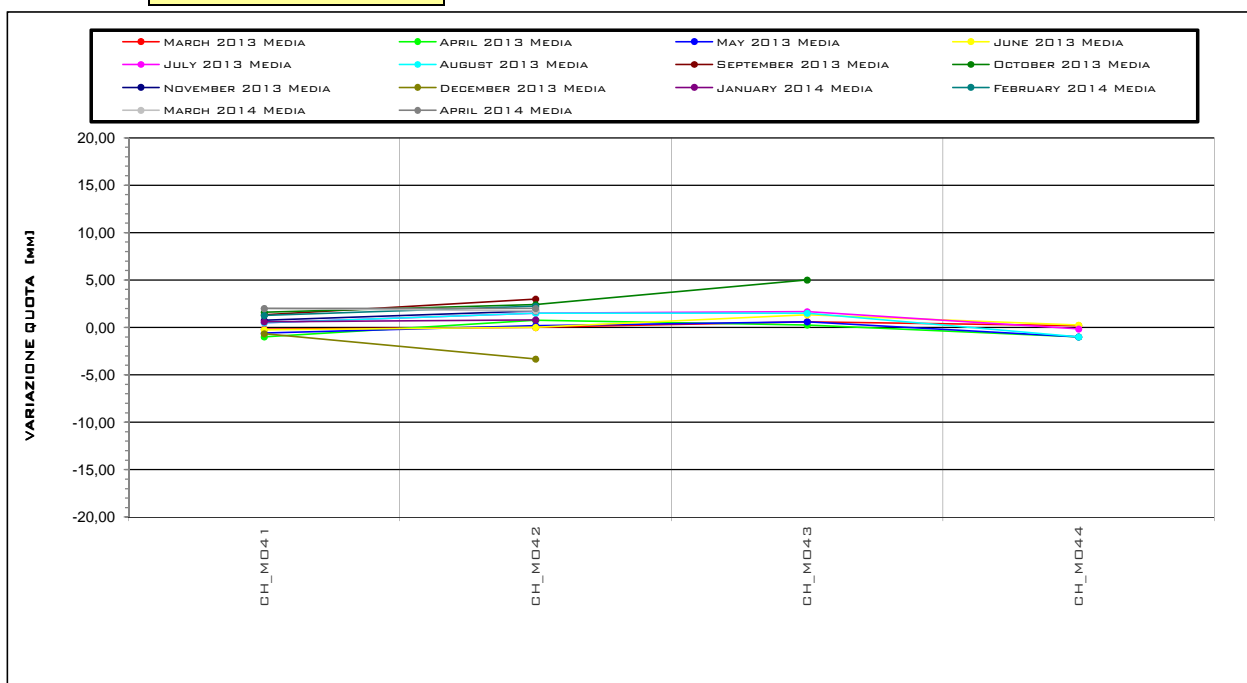


GRAFICO ISOCRONE



Ubicazione STAZIONE CHIAIA
Opera \ \ IV Ordine - Tufo \ 41-44
Tipo Strumento Mire Ottiche
Data posa in opera 05/03/2013
Data lettura di zero 05/03/2013

UBICAZIONE

STAZIONE CHIAIA



\ \ IV Ordine - Tufo \ 41-44



GRAFICO EST

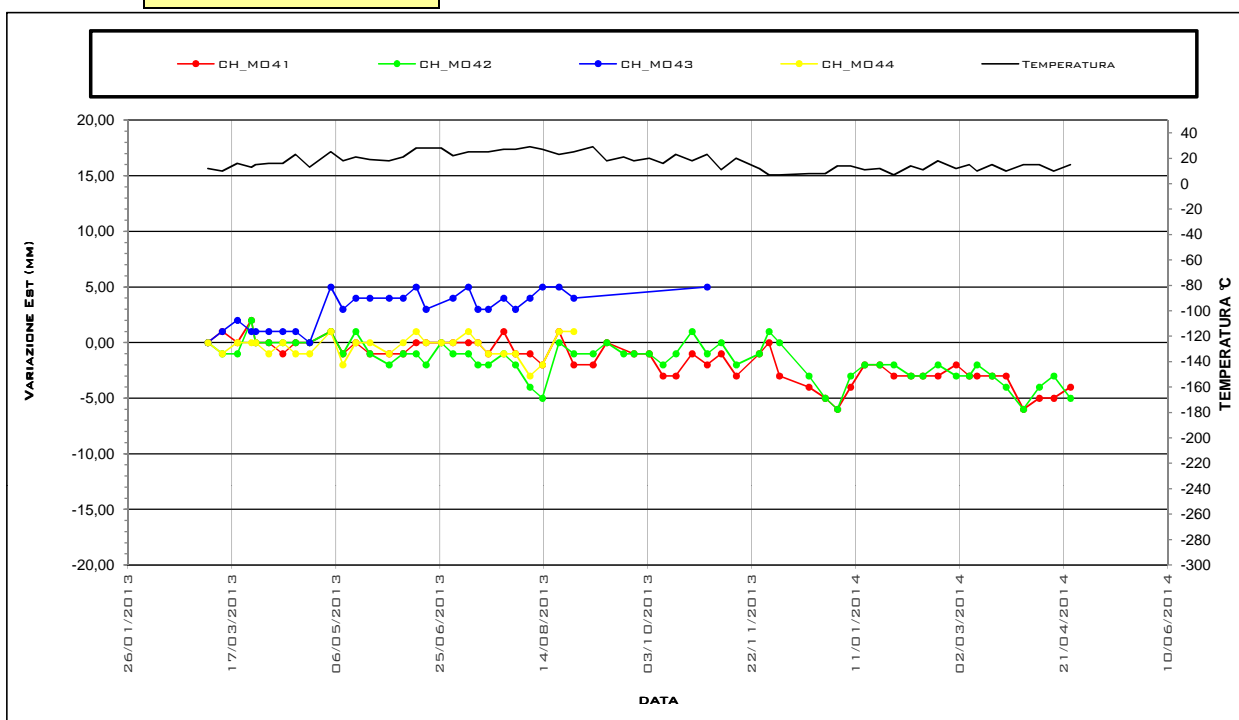
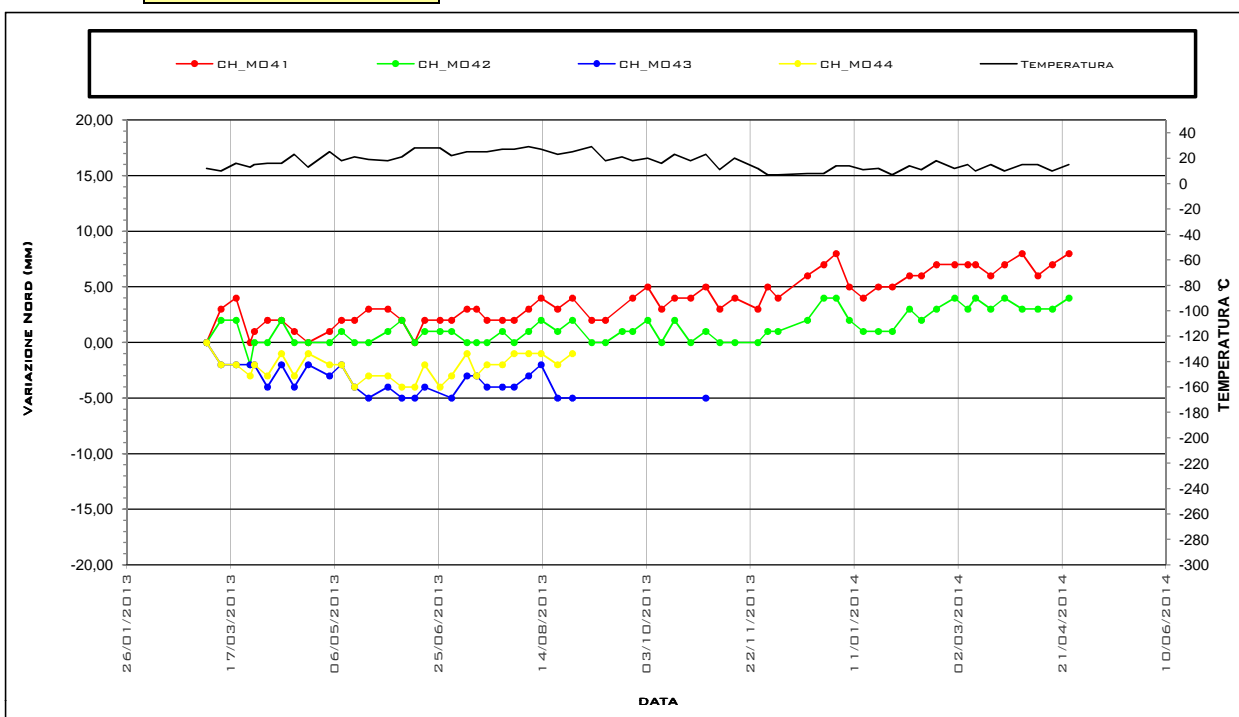


GRAFICO NORD





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

57

in
data

24/04/2014

Lett. n°	DATA	CH_M045					CH_M046					CH_M047				
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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	1,0	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

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 QUOTA

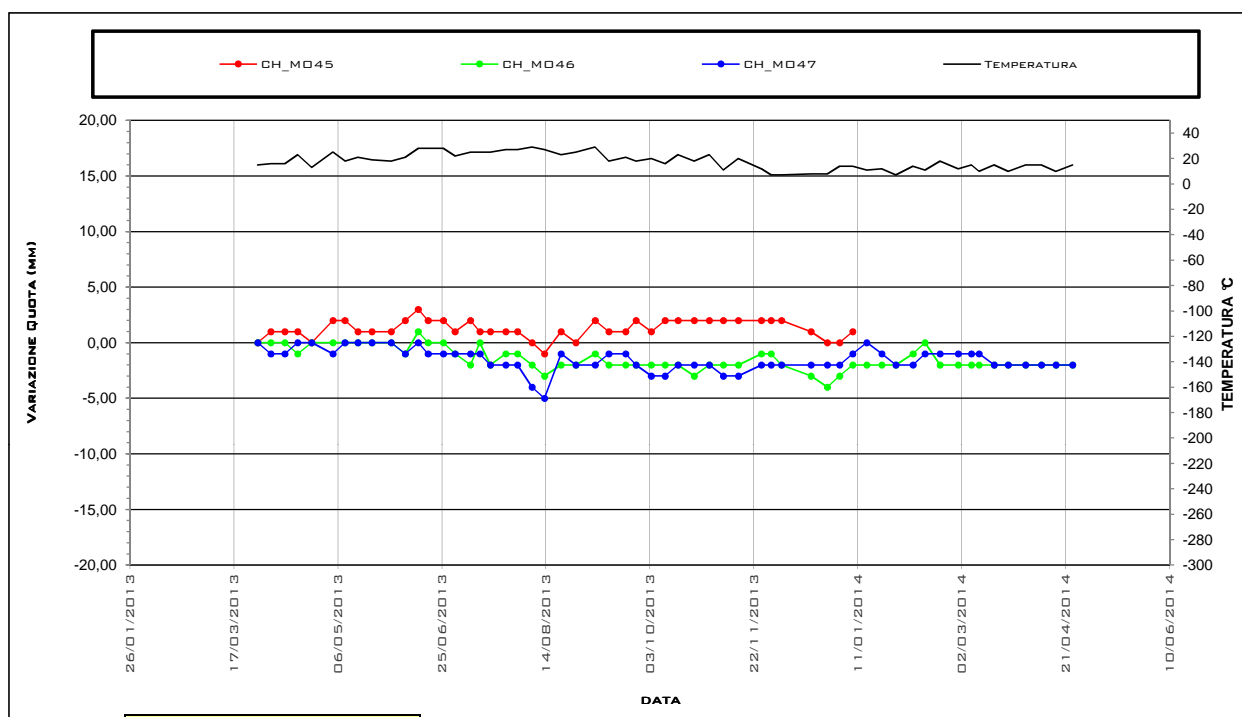
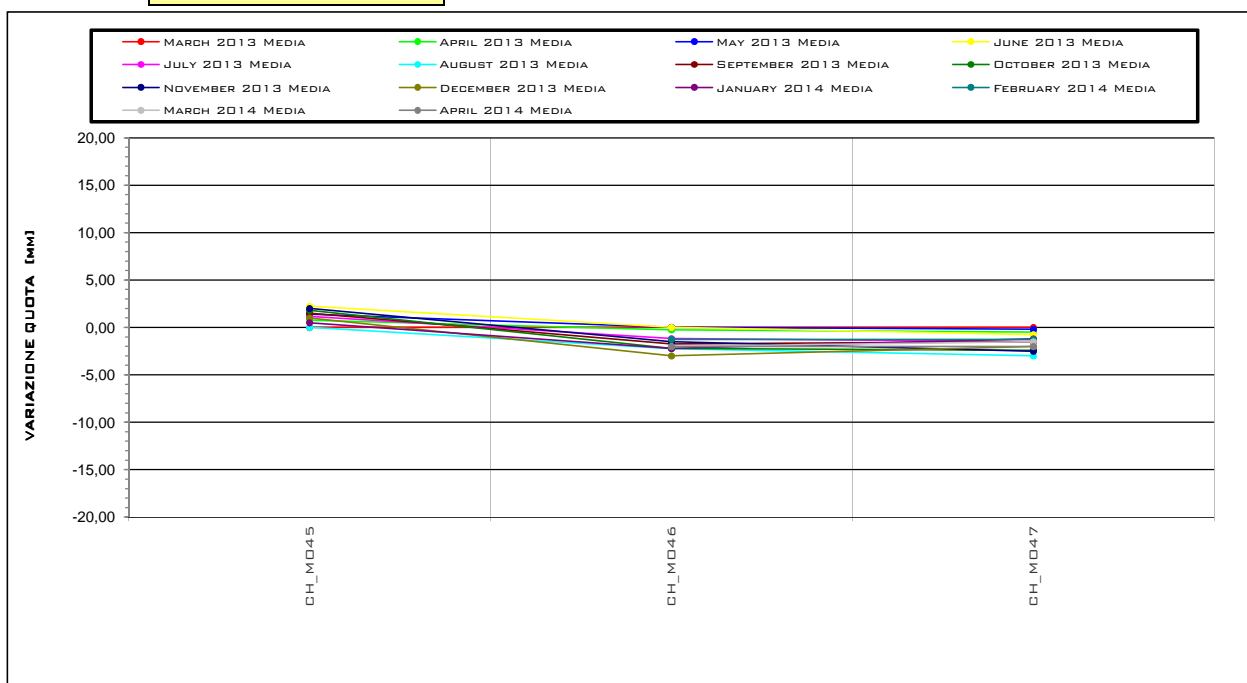


GRAFICO ISOCRONE



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

UBICAZIONE

STAZIONE CHIAIA



\ \ Supplementari \ 45-47



GRAFICO EST

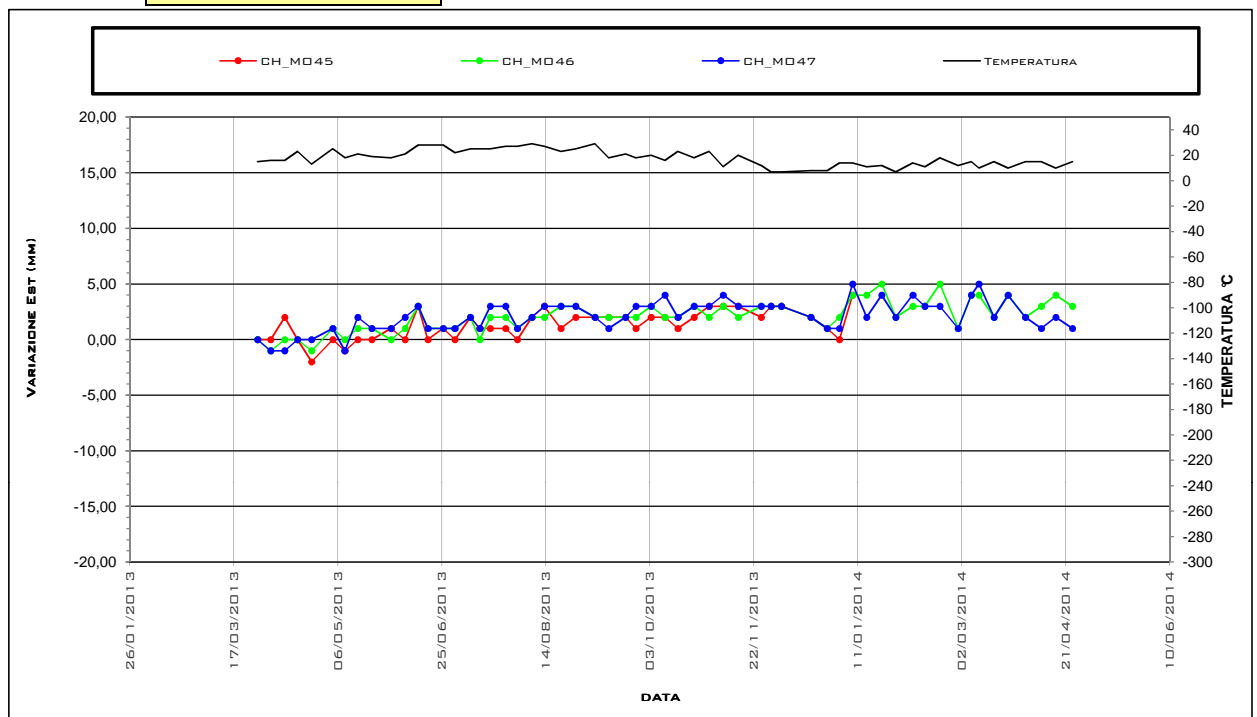
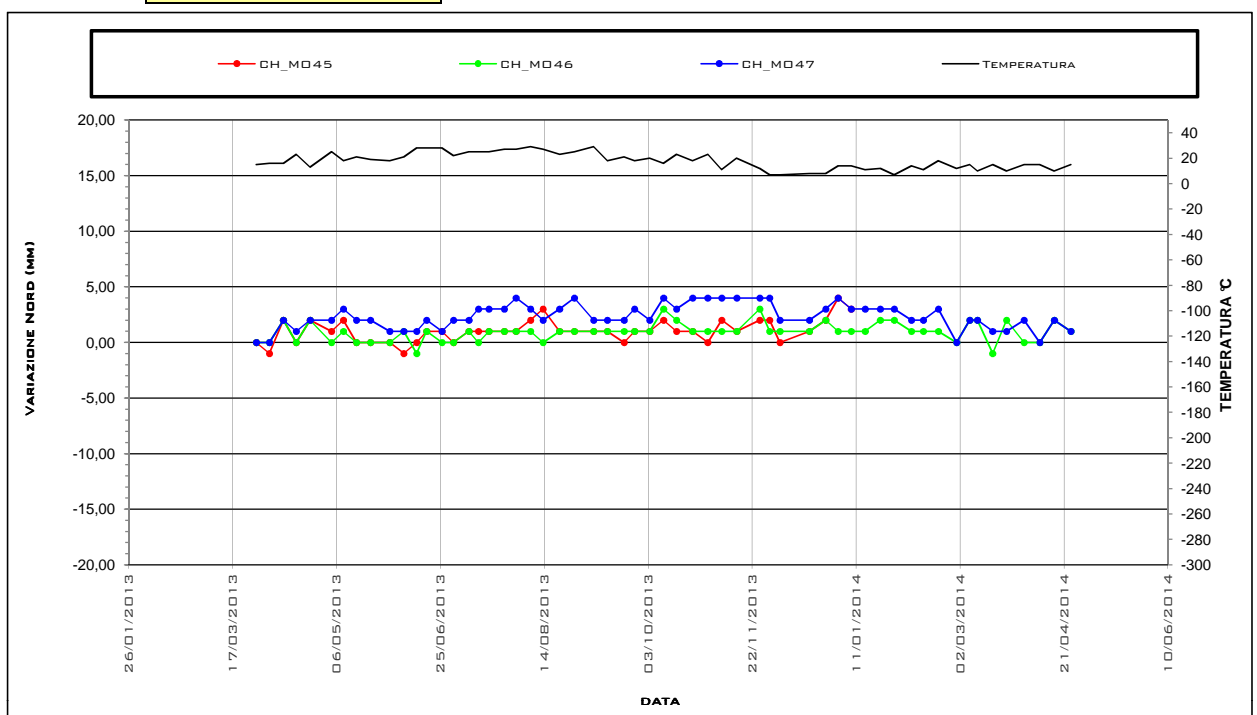


GRAFICO NORD





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 57 in data 24/04/2014

Let. 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	0,0	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

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 QUOTA

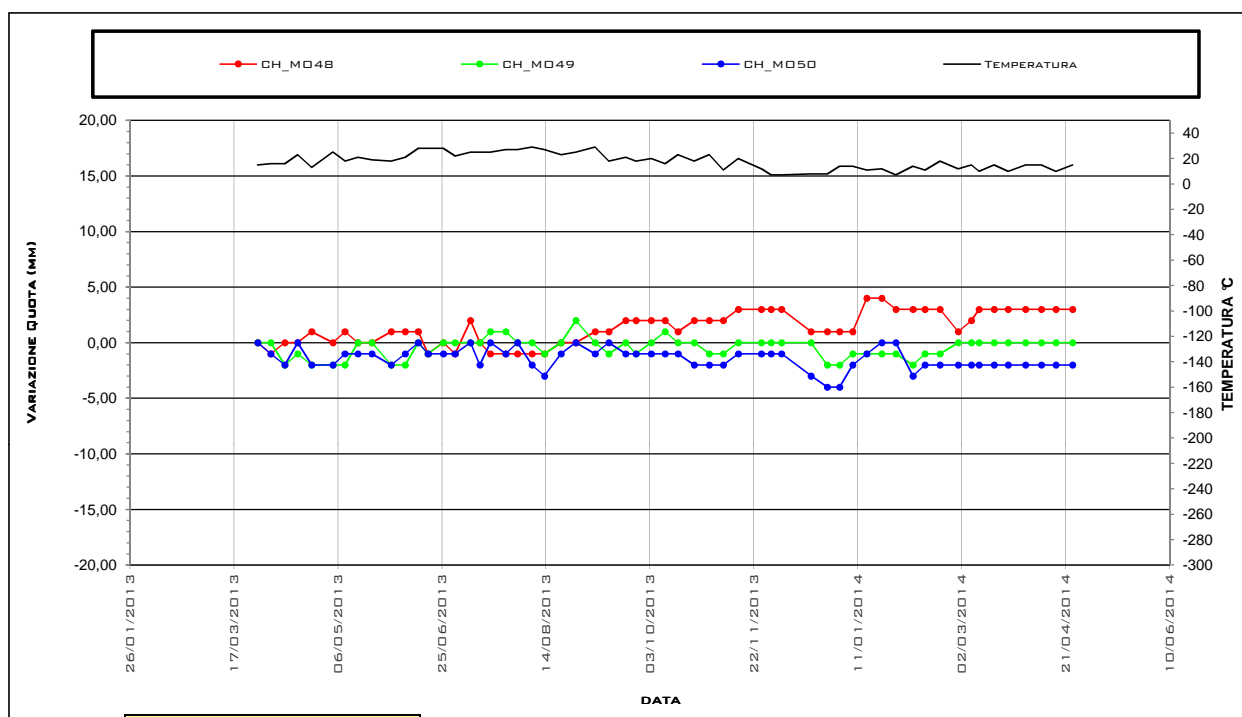
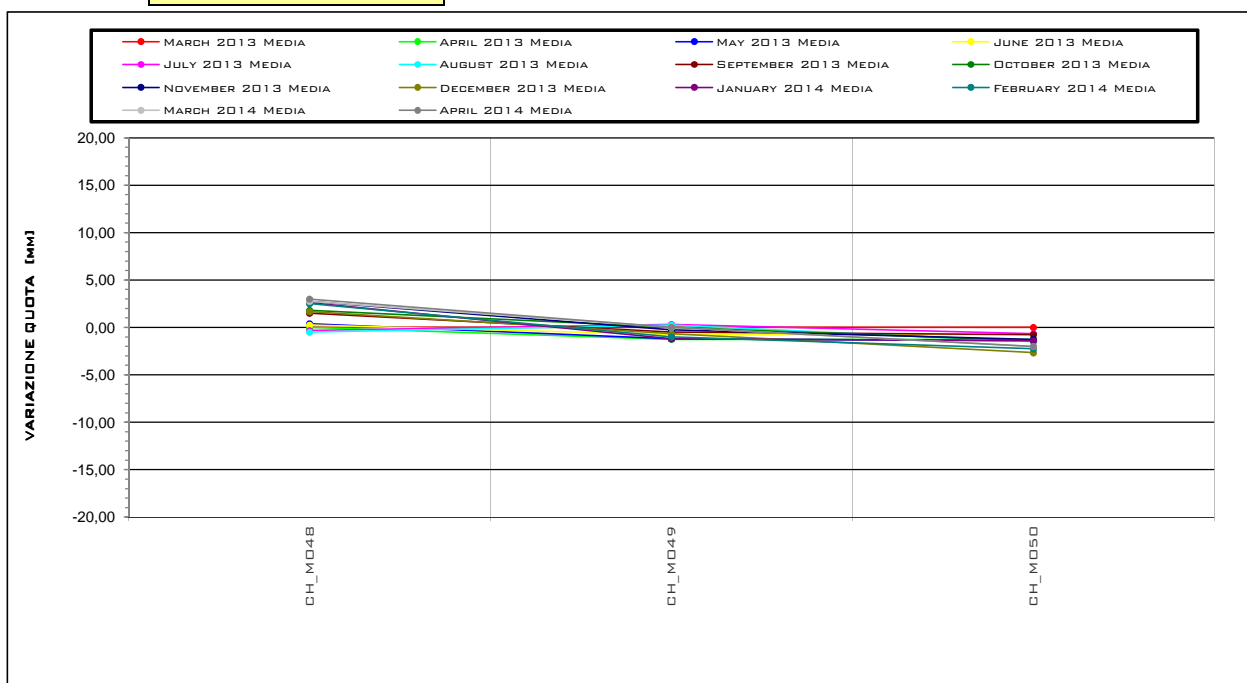


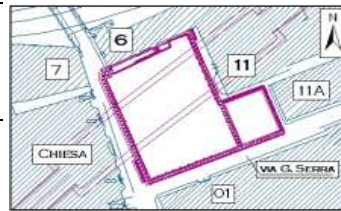
GRAFICO ISOCRONE



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

UBICAZIONE

STAZIONE CHIAIA



\ \ Supplementari \ 48-50



GRAFICO EST

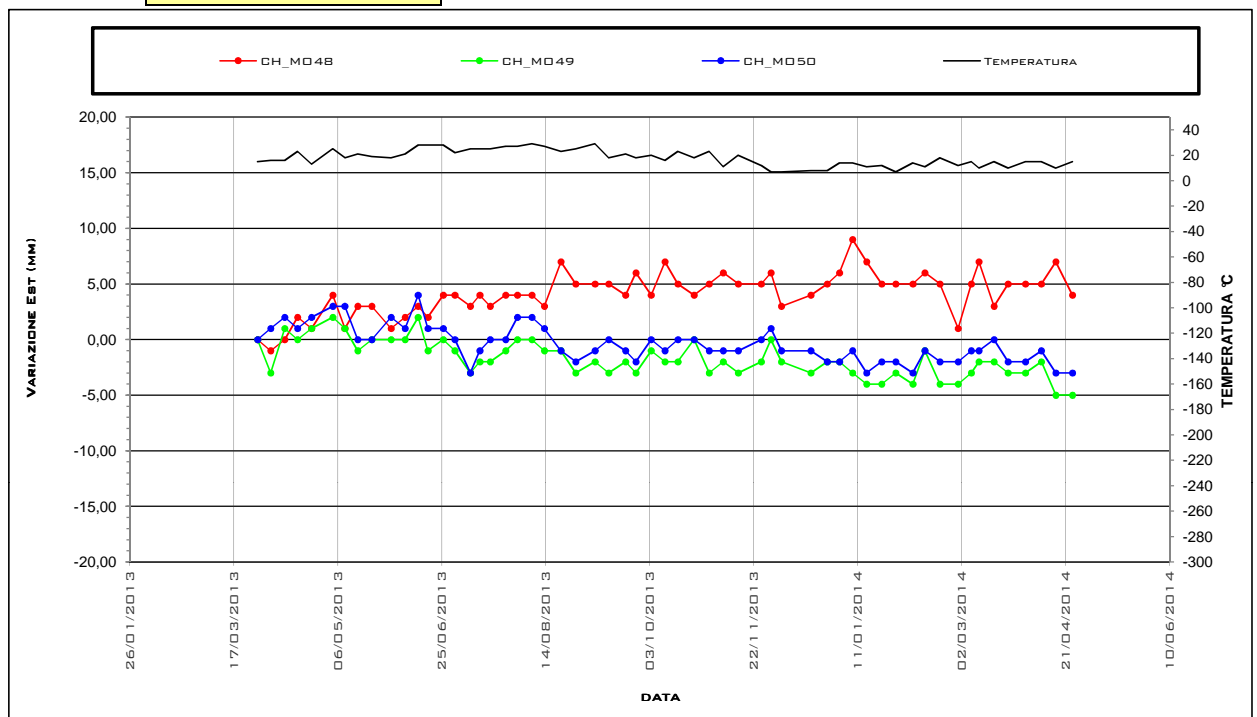
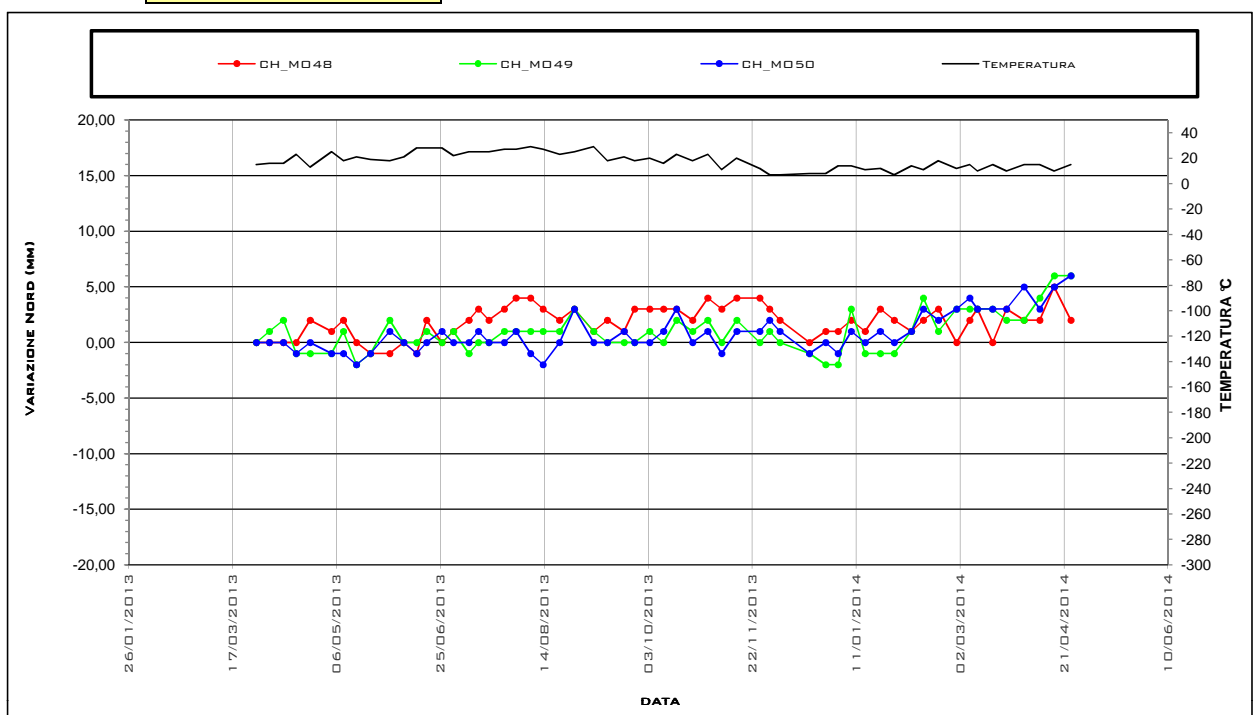


GRAFICO NORD





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 57 in data 24/04/2014

Lett. 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					

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 QUOTA

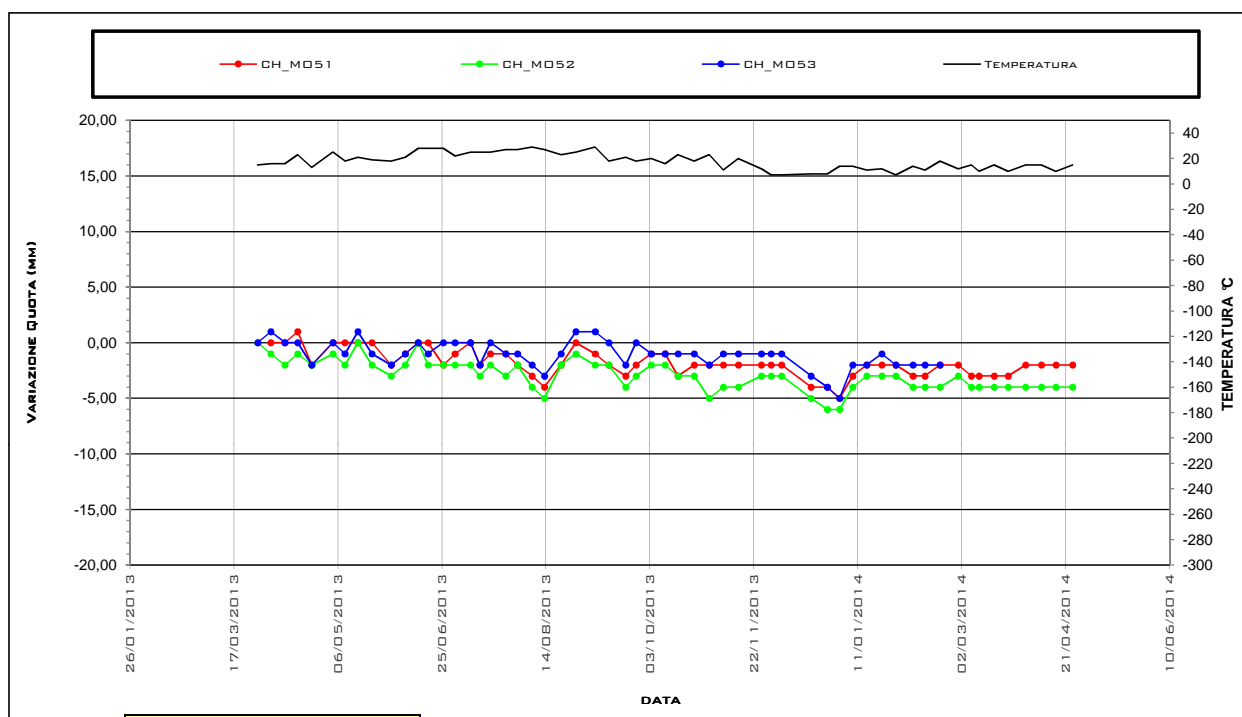
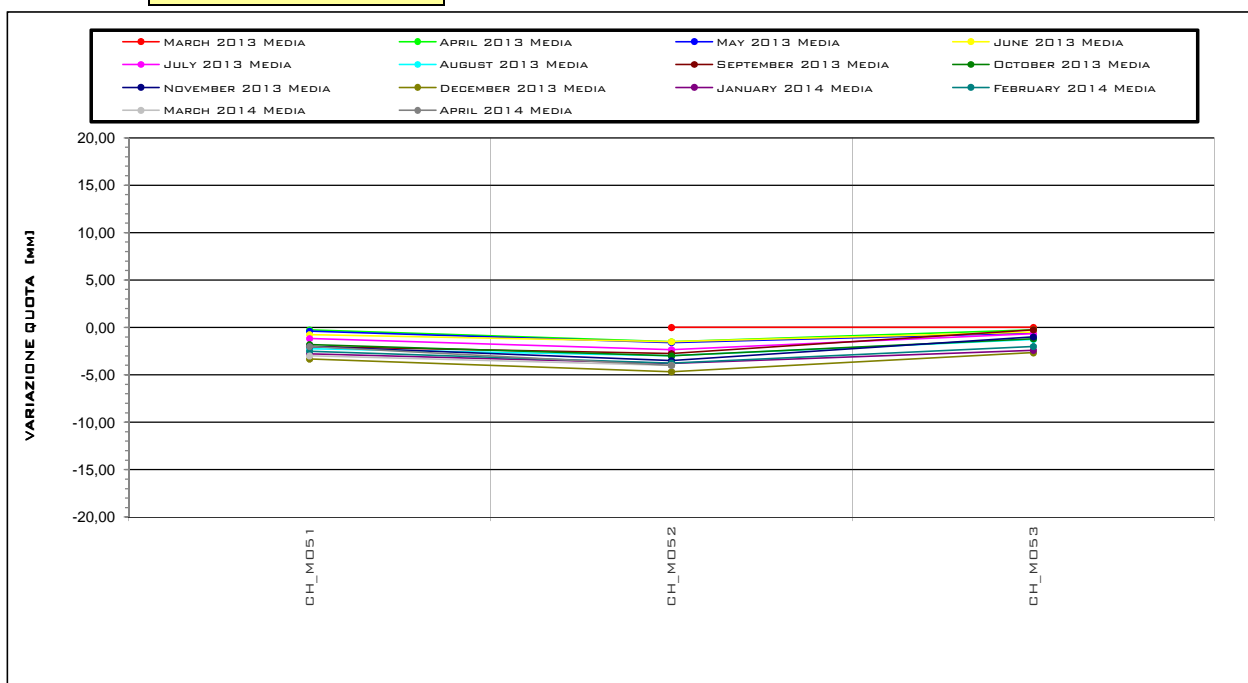


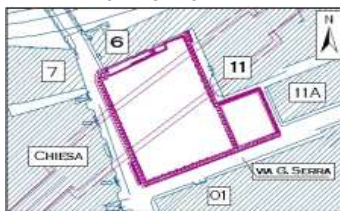
GRAFICO ISOCRONE



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

UBICAZIONE

STAZIONE CHIAIA



\ \ Supplementari \ 51-53



GRAFICO EST

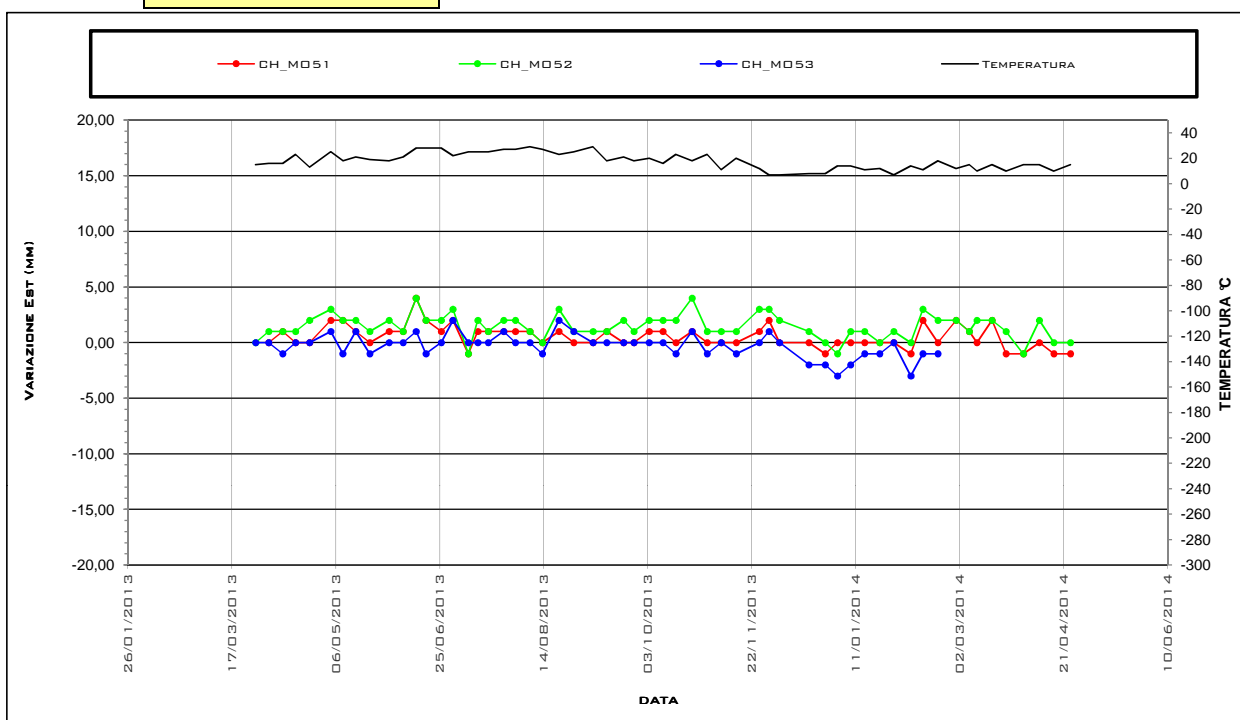
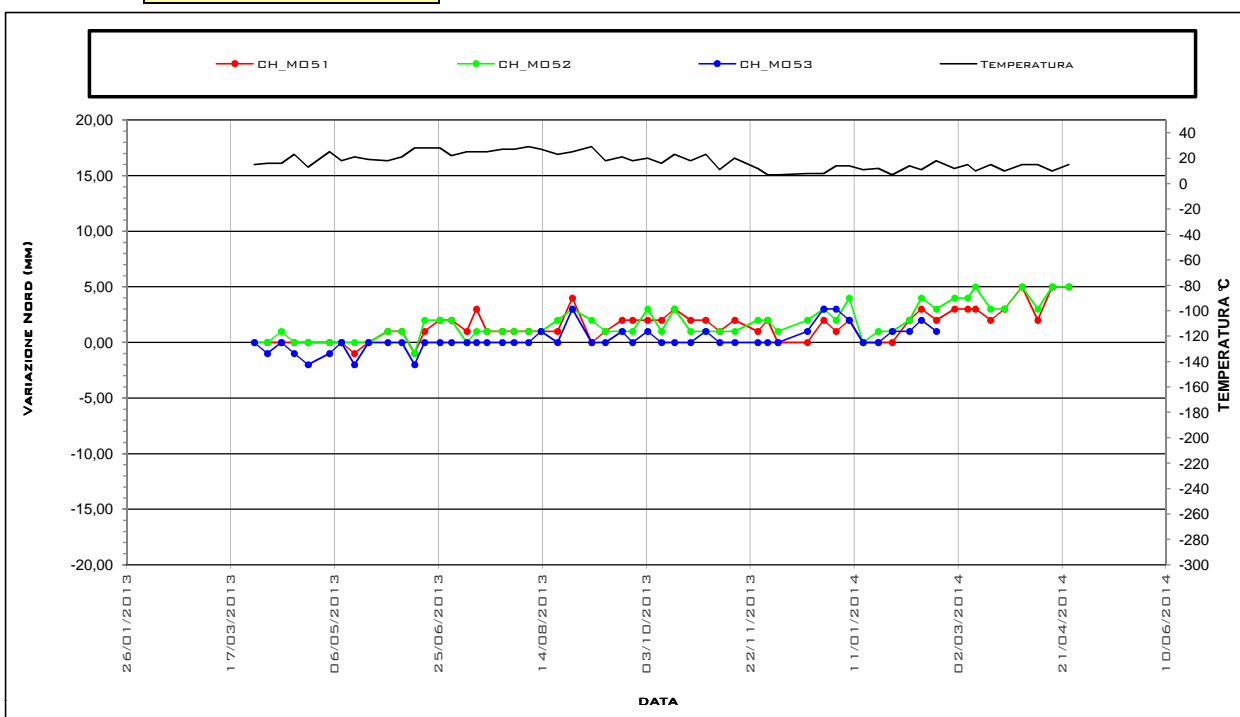


GRAFICO NORD





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 57 in
data 24/04/2014

Lett. 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

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 QUOTA

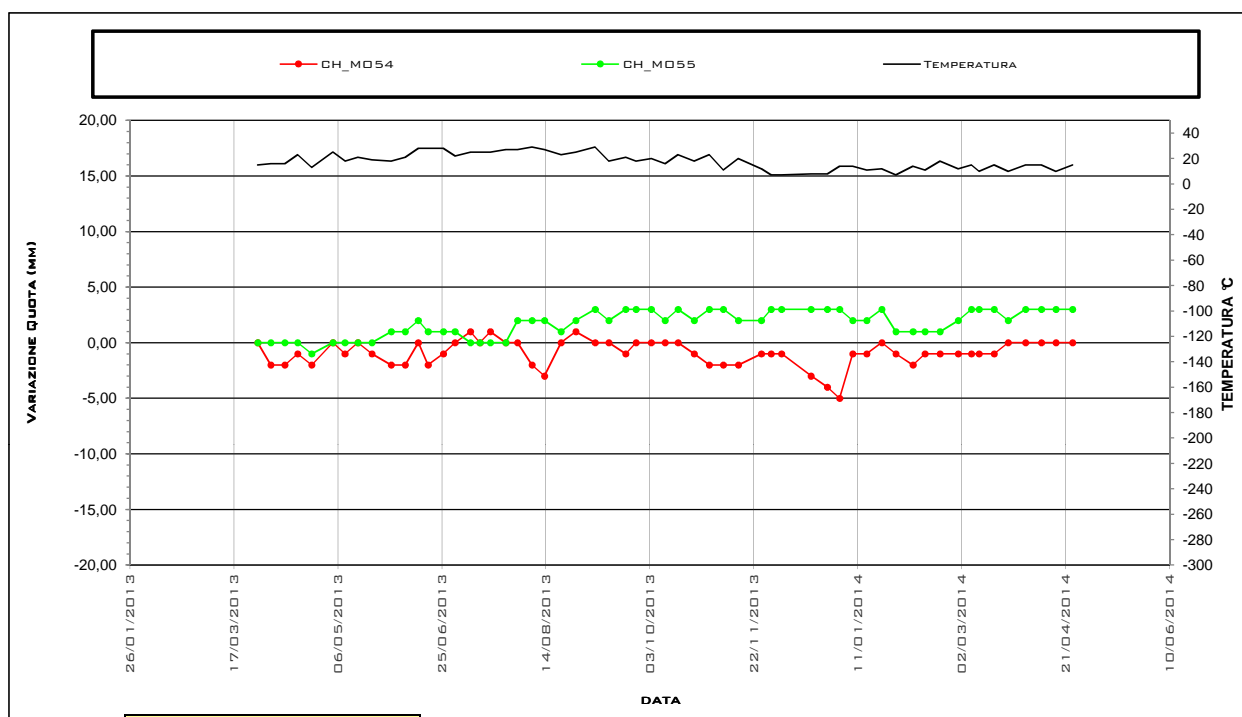
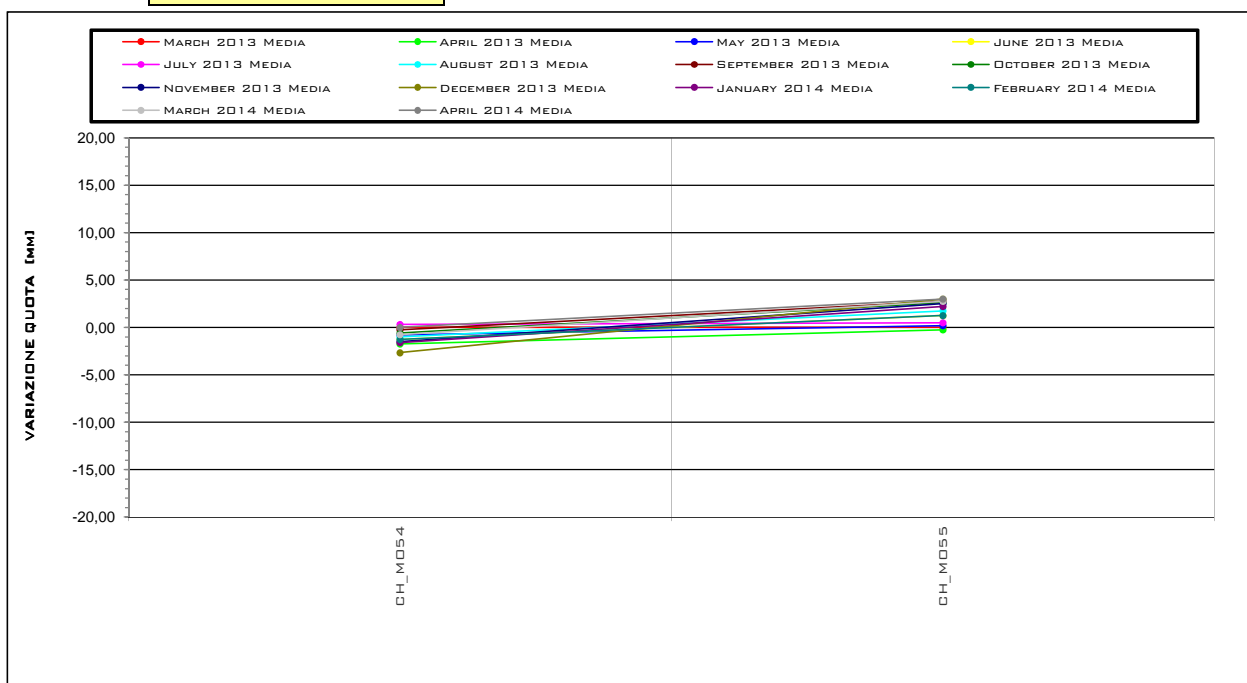


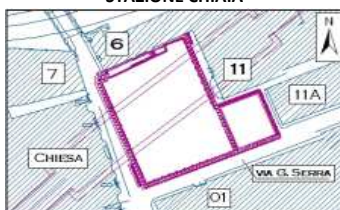
GRAFICO ISOCRONE



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

UBICAZIONE

STAZIONE CHIAIA



\ \ Supplementari \ 54-55



GRAFICO EST

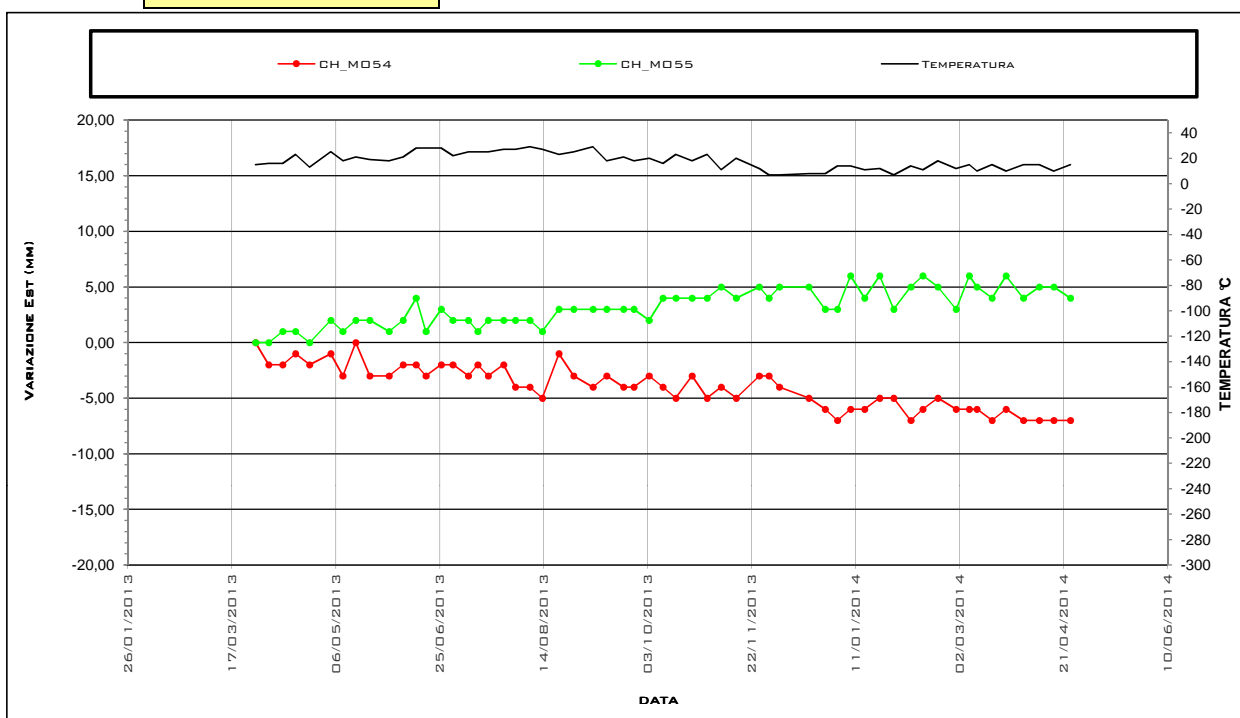
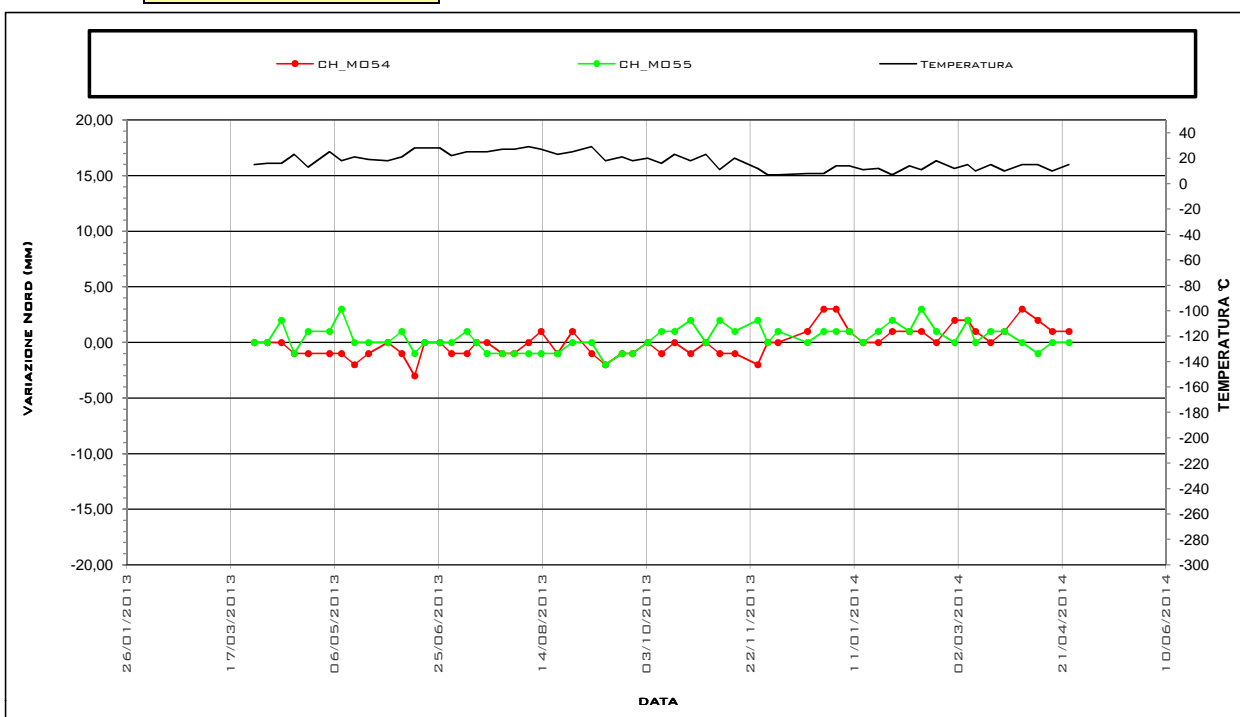


GRAFICO NORD



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

57

in
data

24/04/2014

Lett. n°	DATA	CH_M056					CH_M057					CH_M058					CH_M059				
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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

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

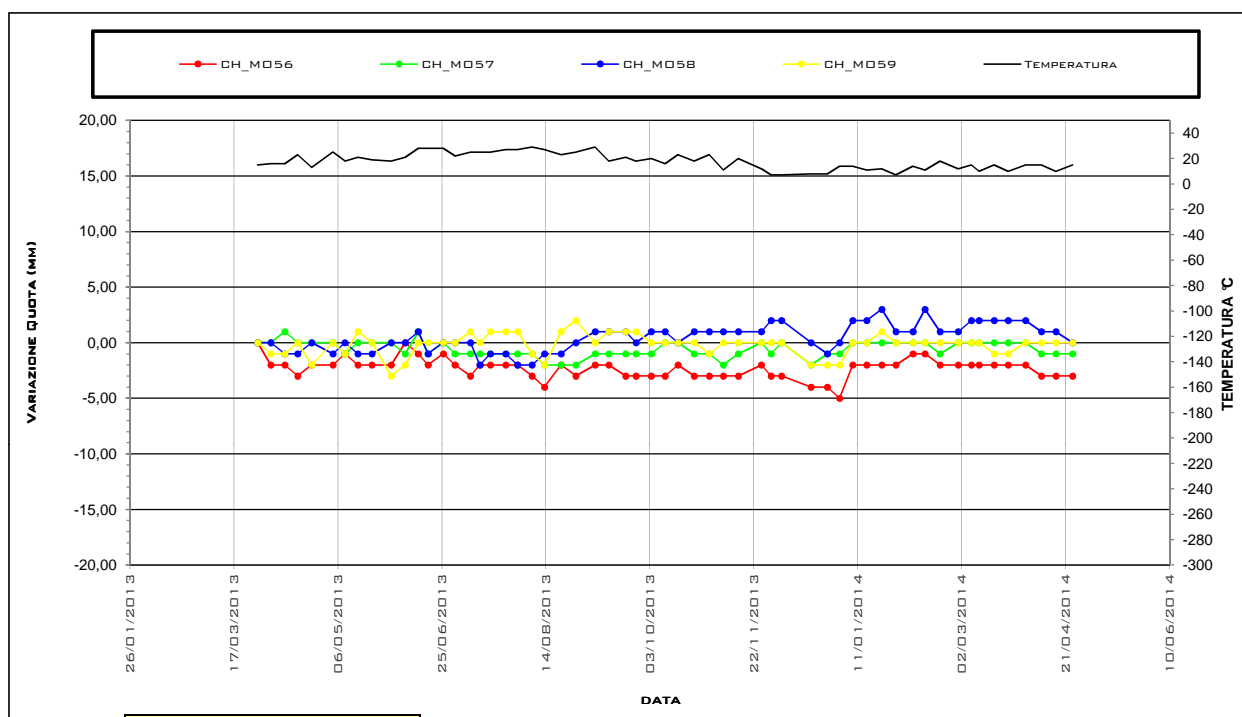
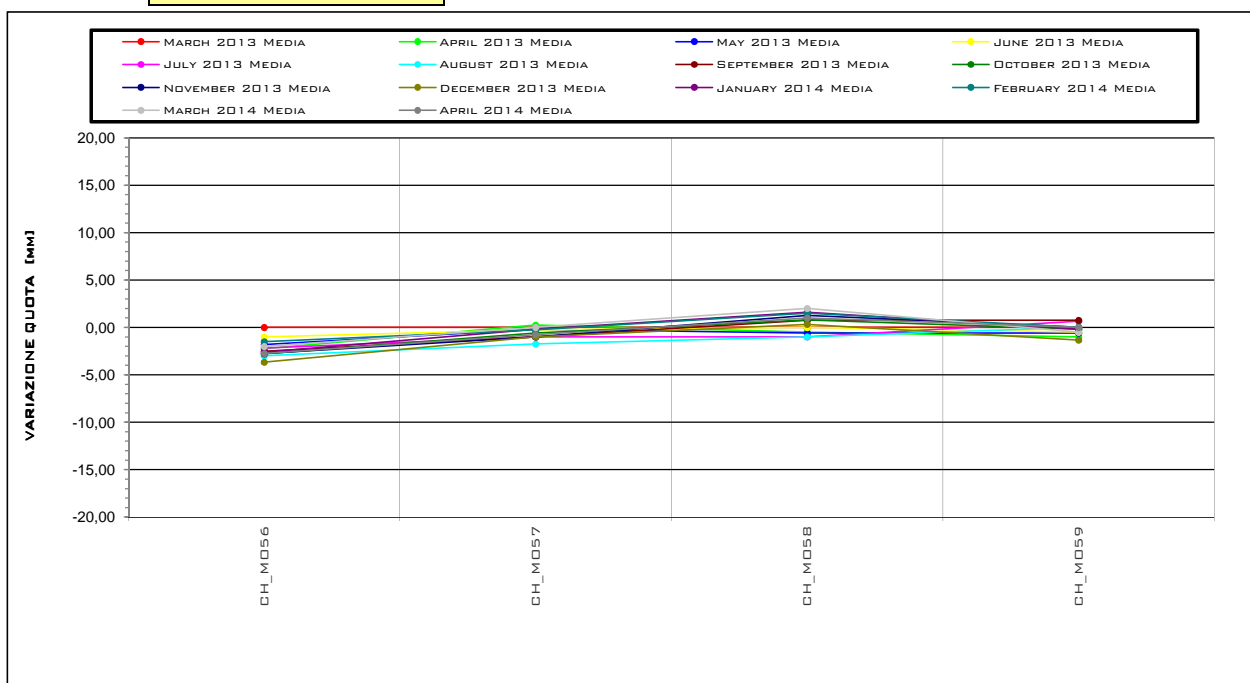


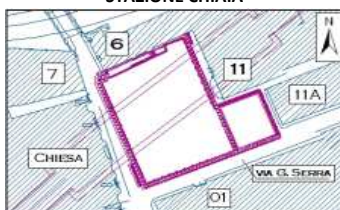
GRAFICO ISOCRONE



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

UBICAZIONE

STAZIONE CHIAIA



\ \ Supplementari \ 56-59



GRAFICO EST

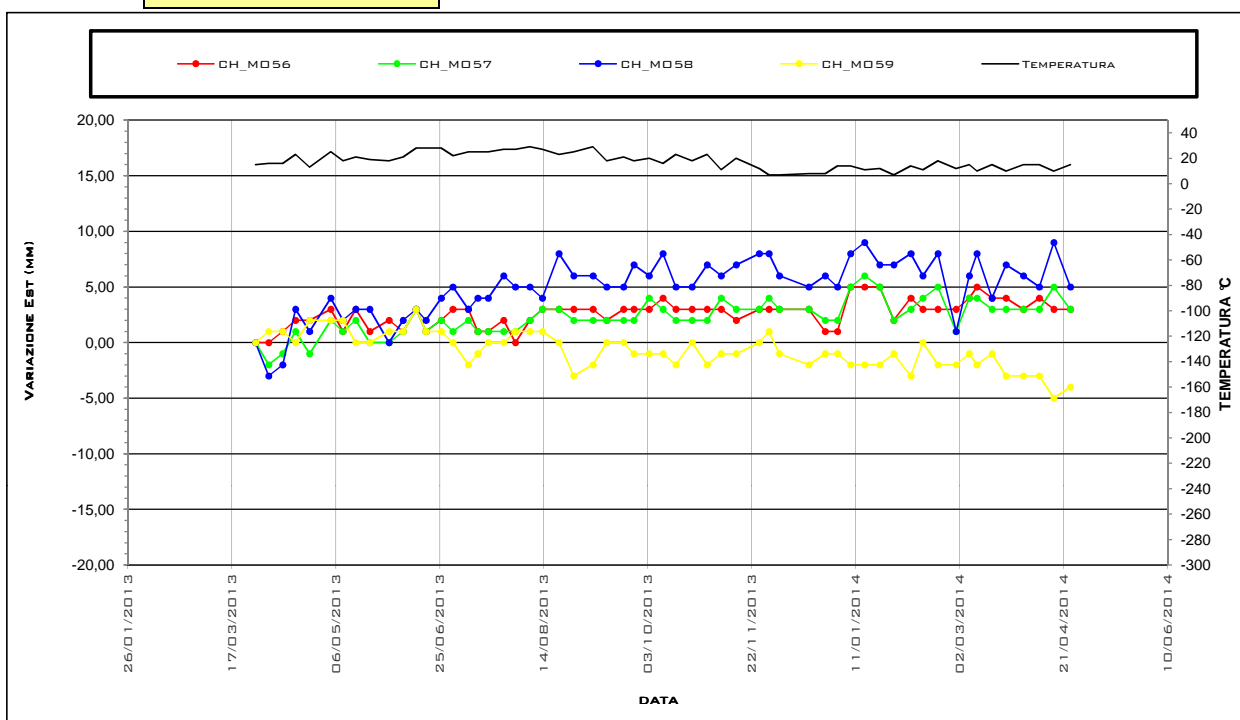
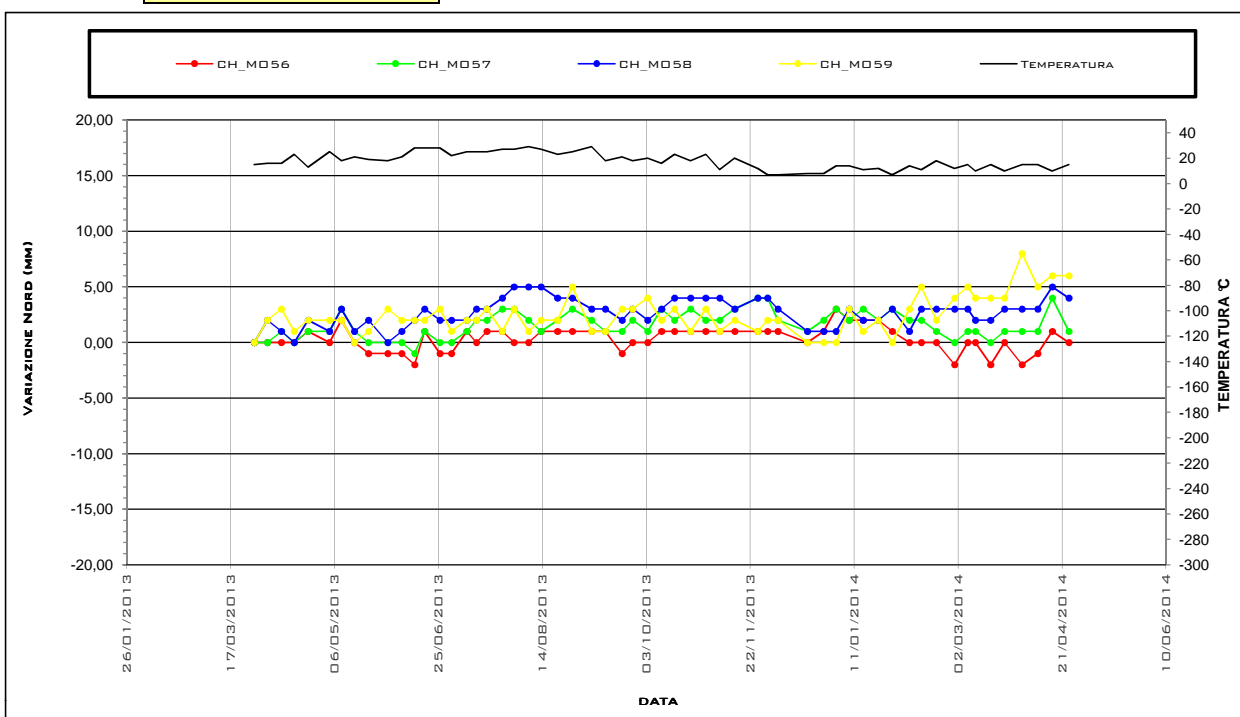


GRAFICO NORD





Ubicazione STAZIONE CHIAIA

Opera \ \ Supplementari \ 60-61

Tipo Strumento Mire Ottiche

Data posa in opera 28/03/2013

Data lettura di zero 28/03/2013

Ultima
Misura 57 in
data 24/04/2014

Letto. n°	DATA	CH_M060					CH_M061				
		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	14,3	0,0	0,0	0,0	15,0	14,5	0,0	0,0	0,0
2	03/04/2013 17.30	16,0	14,3	-1,0	0,0	0,0	16,0	14,5	0,0	0,0	0,0
3	10/04/2013 10.30	16,0	14,3	0,0	1,0	1,0	16,0	14,5	0,0	-1,0	1,0
4	16/04/2013 15.00	23,0	14,3	-1,0	-1,0	0,0	23,0	14,5	1,0	-1,0	0,0
5	23/04/2013 08.30	13,0	14,3	-2,0	1,0	1,0	13,0	14,5	-1,0	0,0	0,0
6	03/05/2013 14.30	25,0	14,3	-1,0	2,0	-1,0	25,0	14,5	1,0	0,0	0,0
7	09/05/2013 08.30	18,0	14,3	-2,0	1,0	1,0	18,0	14,5	-1,0	-1,0	-1,0
8	15/05/2013 14.30	21,0	14,3	0,0	0,0	0,0	21,0	14,5	0,0	0,0	0,0
9	22/05/2013 08.30	19,0	14,3	-2,0	0,0	0,0	19,0	14,5	0,0	-1,0	1,0
10	31/05/2013 15.30	18,0	14,3	-2,0	1,0	1,0	18,0	14,5	0,0	-1,0	1,0
11	07/06/2013 08.30	21,0	14,3	-2,0	1,0	1,0	21,0	14,5	-1,0	1,0	2,0
12	13/06/2013 14.30	28,0	14,3	-1,0	4,0	-1,0	28,0	14,5	0,0	2,0	-1,0
13	18/06/2013 09.00	28,0	14,3	-2,0	2,0	2,0	28,0	14,5	-1,0	0,0	2,0
14	25/06/2013 18.00	28,0	14,3	-3,0	1,0	1,0	28,0	14,5	-2,0	0,0	1,0
15	01/07/2013 07.30	22,0	14,3	-4,0	0,0	1,0	22,0	14,5	-1,0	0,0	1,0
16	08/07/2013 17.30	25,0	14,3	-2,0	-2,0	0,0	25,0	14,5	-1,0	-1,0	1,0
17	13/07/2013 07.30	25,0	14,3	-3,0	0,0	2,0	25,0	14,5	-2,0	0,0	2,0
18	18/07/2013 07.30	25,0	14,3	-3,0	1,0	1,0	25,0	14,5	-1,0	-1,0	1,0
19	25/07/2013 18.00	27,0	14,3	-3,0	0,0	2,0	27,0	14,5	-2,0	0,0	1,0
20	31/07/2013 09.00	27,0	14,3	-2,0	1,0	1,0	27,0	14,5	0,0	0,0	2,0
21	07/08/2013 09.00	29,0	14,3	-4,0	0,0	1,0	29,0	14,5	-2,0	-2,0	2,0
22	13/08/2013 09.00	27,0	14,3	-5,0	-1,0	1,0	27,0	14,5	-3,0	-3,0	2,0
23	21/08/2013 07.30	23,0	14,3	-3,0	0,0	2,0	23,0	14,5	-2,0	0,0	2,0
24	28/08/2013 10.30	25,0	14,3	-2,0	-1,0	5,0	25,0	14,5	1,0	-2,0	4,0
25	06/09/2013 17.30	29,0	14,3	-2,0	0,0	2,0	29,0	14,5	0,0	-1,0	2,0
26	13/09/2013 07.30	18,0	14,3	-3,0	0,0	0,0	18,0	14,5	-1,0	0,0	0,0
27	21/09/2013 09.30	21,0	14,3	-4,0	-1,0	3,0	21,0	14,5	-1,0	-1,0	2,0
28	26/09/2013 09.30	18,0	14,3	-2,0	-1,0	1,0	18,0	14,5	-1,0	-2,0	1,0
29	03/10/2013 16.30	20,0	14,3	-3,0	0,0	2,0	20,0	14,5	-1,0	-2,0	2,0
30	10/10/2013 08.30	16,0	14,3	-3,0	-1,0	1,0	16,0	14,5	-1,0	-1,0	1,0
31	16/10/2013 14.30	23,0	14,3	-4,0	-1,0	2,0	23,0	14,5	-2,0	-2,0	2,0
32	24/10/2013 08.30	18,0	14,3	-4,0	1,0	1,0	18,0	14,5	-2,0	-1,0	0,0
33	31/10/2013 14.30	23,0	14,3	-5,0	-1,0	2,0	23,0	14,5	-3,0	-2,0	2,0
34	07/11/2013 08.30	11,0	14,3	-5,0	-1,0	0,0	11,0	14,5	-2,0	-1,0	0,0
35	14/11/2013 14.30	20,0	14,3	-3,0	-1,0	2,0	20,0	14,5	-1,0	-1,0	1,0
36	25/11/2013 15.30	12,0	14,3	-3,0	1,0	1,0	12,0	14,5	-1,0	-1,0	0,0
37	30/11/2013 08.30	7,0	14,3	-3,0	1,0	2,0	7,0	14,5	-1,0	1,0	1,0
38	05/12/2013 08.30	7,0	14,3	-3,0	-1,0	1,0	7,0	14,5	-1,0	-2,0	1,0
39	19/12/2013 13.00	8,0	14,3	-5,0	-2,0	2,0	8,0	14,5	-3,0	-3,0	2,0
40	27/12/2013 09.00	8,0	14,3	-6,0	-3,0	3,0	8,0	14,5	-4,0	-4,0	4,0
41	02/01/2014 07.30	14,0	14,3	-7,0	-2,0	2,0	14,0	14,5	-5,0	-4,0	3,0
42	08/01/2014 14.30	14,0	14,3	-5,0	-2,0	2,0	14,0	14,5	-3,0	-3,0	2,0
43	15/01/2014 08.30	11,0	14,3	-4,0	-2,0	1,0	11,0	14,5	-3,0	-3,0	1,0
44	22/01/2014 14.30	12,0	14,3	-3,0	-2,0	1,0	12,0	14,5	-2,0	-3,0	2,0
45	29/01/2014 08.30	7,0	14,3	-3,0	-1,0	2,0	7,0	14,5	-1,0	-2,0	2,0
46	06/02/2014 14.30	14,0	14,3	-3,0	-2,0	3,0	14,0	14,5	-2,0	-3,0	3,0
47	12/02/2014 08.30	11,0	14,3	-4,0	0,0	4,0	11,0	14,5	-2,0	-1,0	4,0
48	19/02/2014 14.30	18,0	14,3	-4,0	-2,0	2,0	18,0	14,5	-2,0	-3,0	3,0
49	28/02/2014 08.30	12,0	14,3	-4,0	-2,0	4,0					
50	06/03/2014 16.30	15,0	14,3	-4,0	-2,0	4,0					
51	10/03/2014 08.30	10,0	14,3	-4,0	-1,0	3,0					
52	17/03/2014 15.30	15,0	14,3	-5,0	-1,0	3,0					
53	24/03/2014 08.30	10,0	14,3	-4,0	-2,0	3,0					
54	01/04/2014 18.30	15,0	14,3	-4,0	-4,0	4,0					
55	09/04/2014 08.30	15,0	14,3	-4,0	-2,0	3,0					
56	16/04/2014 08.30	10,0	14,3	-4,0	-4,0	5,0					
57	24/04/2014 08.30	15,0	14,3	-4,0	-3,0	4,0					

Ubicazione STAZIONE CHIAIA
Opera \ \ Supplementari \ 60-61
Tipo Strumento Mire Ottiche
Data posa in opera 28/03/2013
Data lettura di zero 28/03/2013

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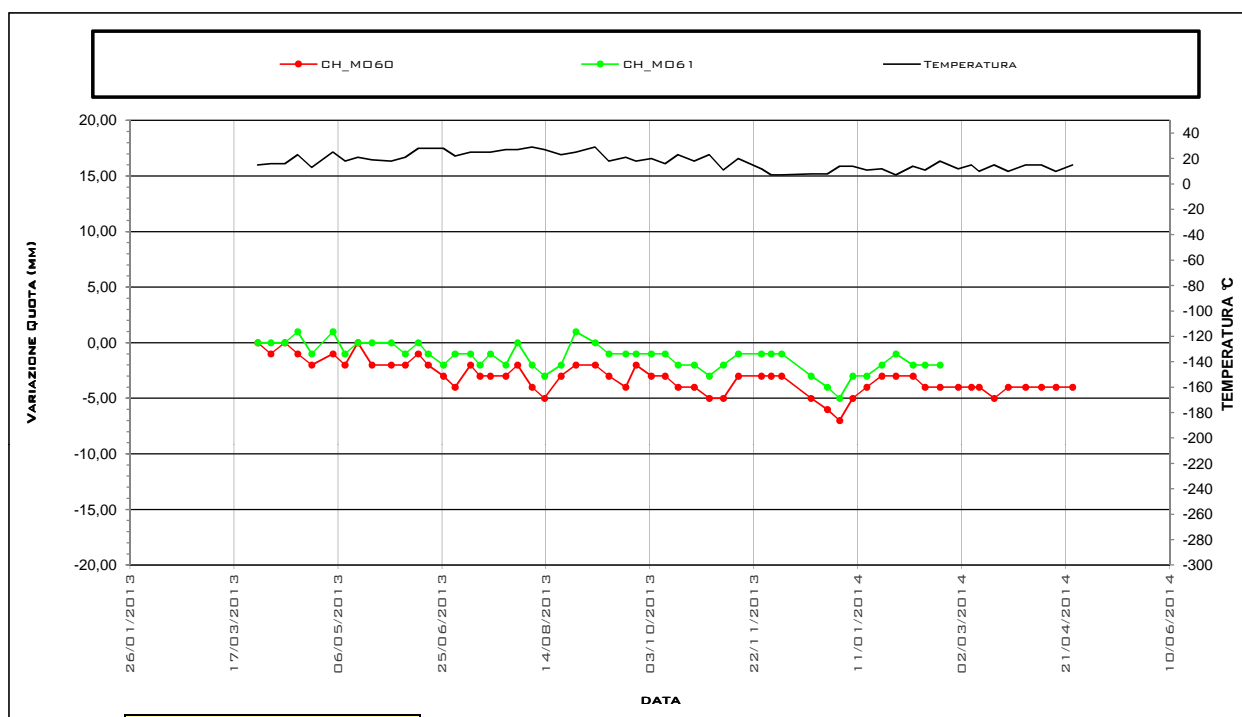
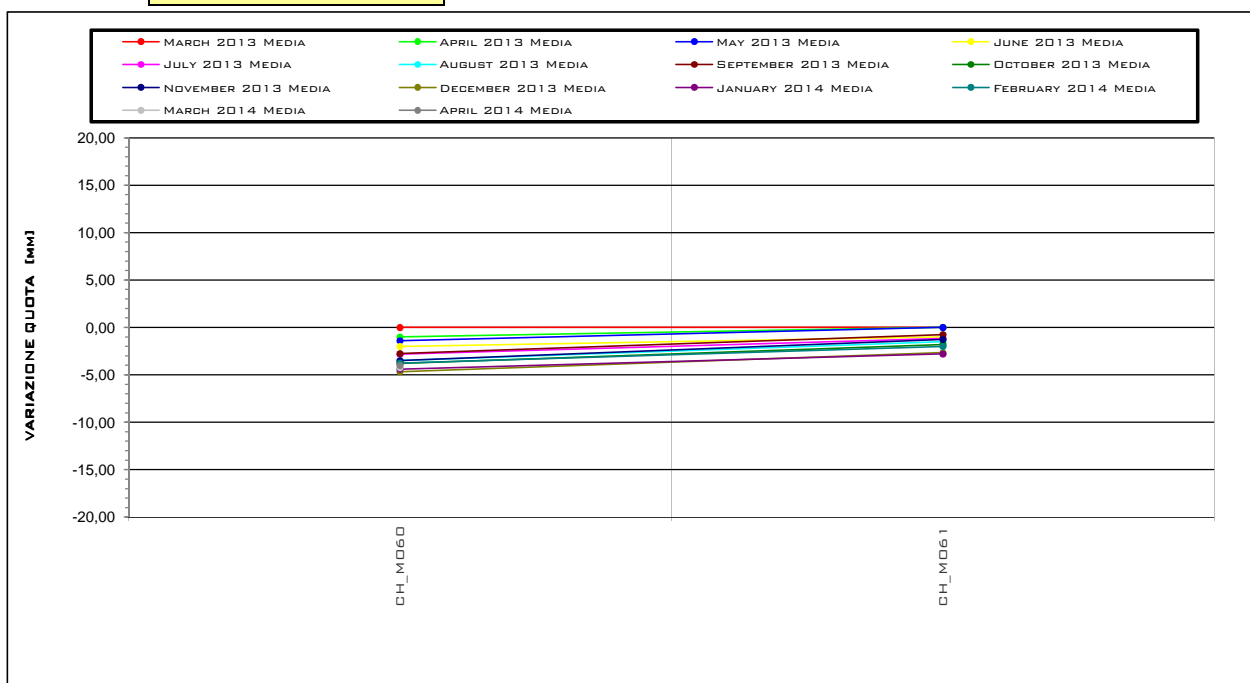


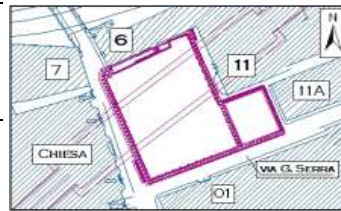
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Ubicazione STAZIONE CHIAIA
Opera \ \ Supplementari \ 60-61
Tipo Strumento Mire Ottiche
Data posa in opera 28/03/2013
Data lettura di zero 28/03/2013

UBICAZIONE

STAZIONE CHIAIA



\ \ Supplementari \ 60-61



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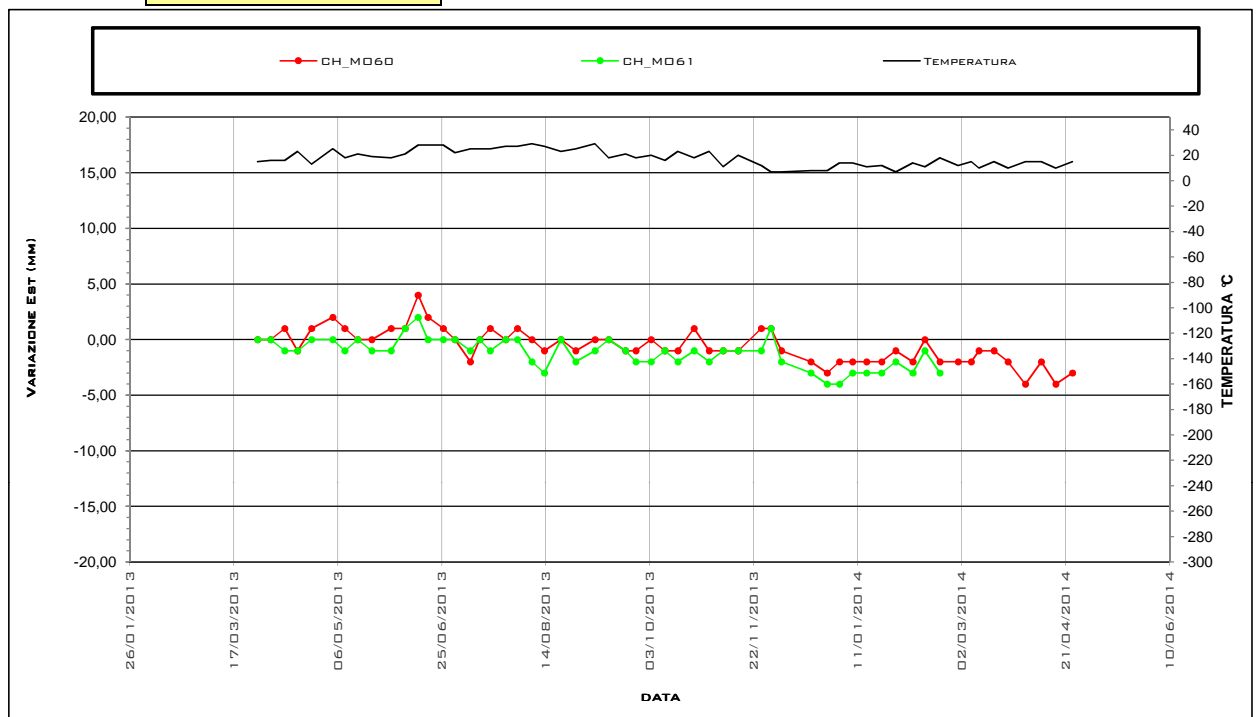
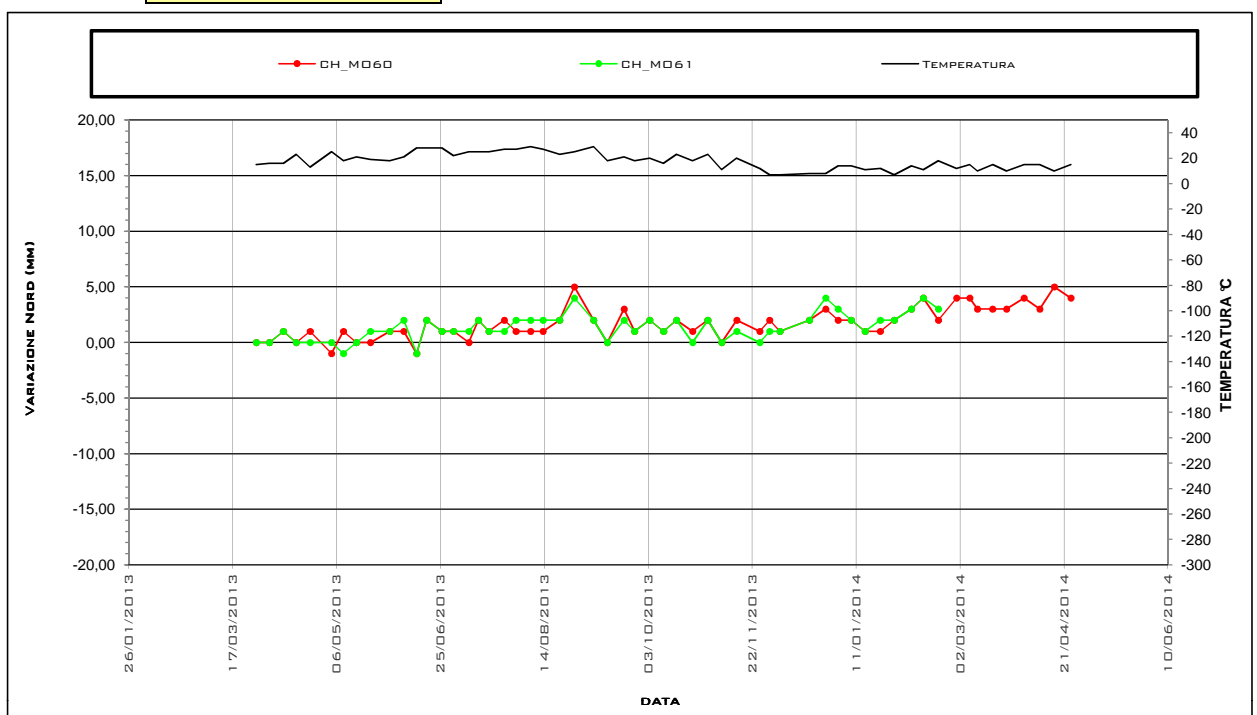


GRAFICO NORD





Ubicazione STAZIONE CHIAIA

Opera \ \ Supplementari \ 62-64

Tipo Strumento Mire Ottiche

Data posa in opera 28/03/2013

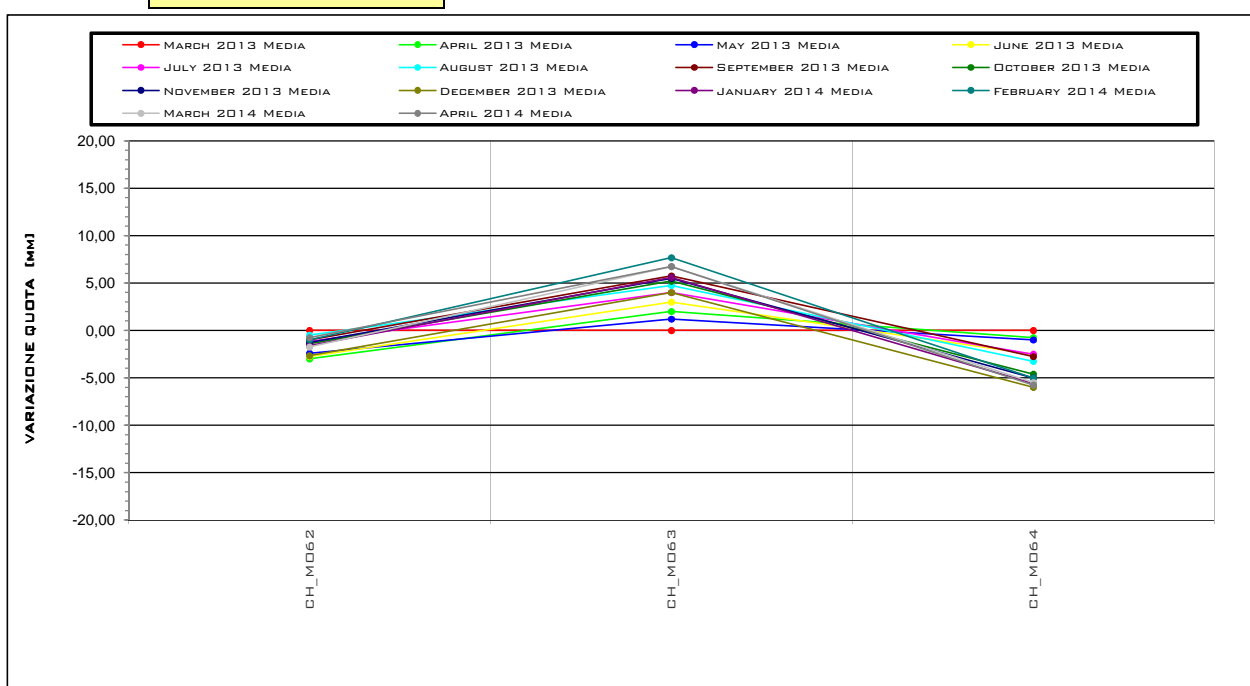
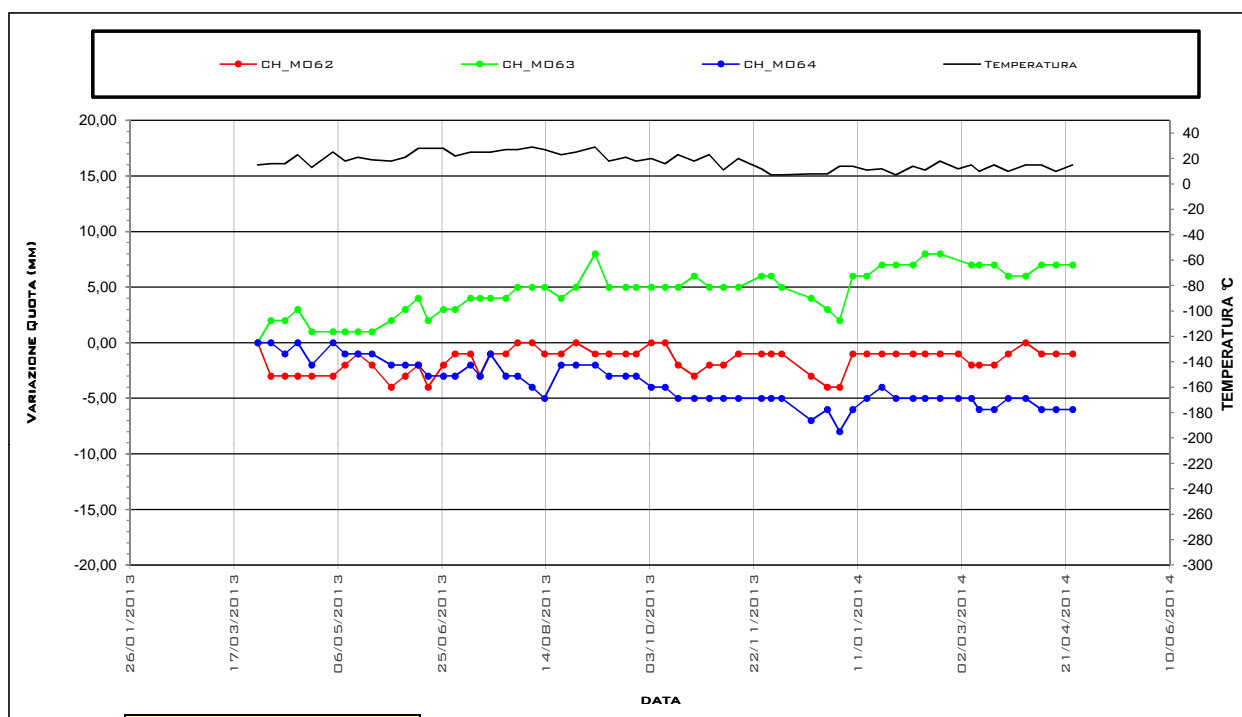
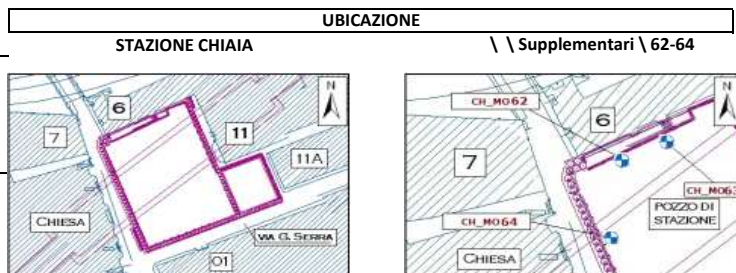
Data lettura di zero 28/03/2013

Ultima
Misura 57 in
data 24/04/2014

Lett. n°	DATA	CH_M062					CH_M063					CH_M064				
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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

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

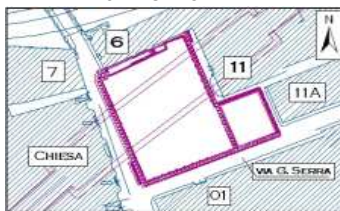
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Ubicazione STAZIONE CHIAIA
Opera \ \ Supplementari \ 62-64
Tipo Strumento Mire Ottiche
Data posa in opera 28/03/2013
Data lettura di zero 28/03/2013

UBICAZIONE

STAZIONE CHIAIA



\ \ Supplementari \ 62-64



GRAFICO EST

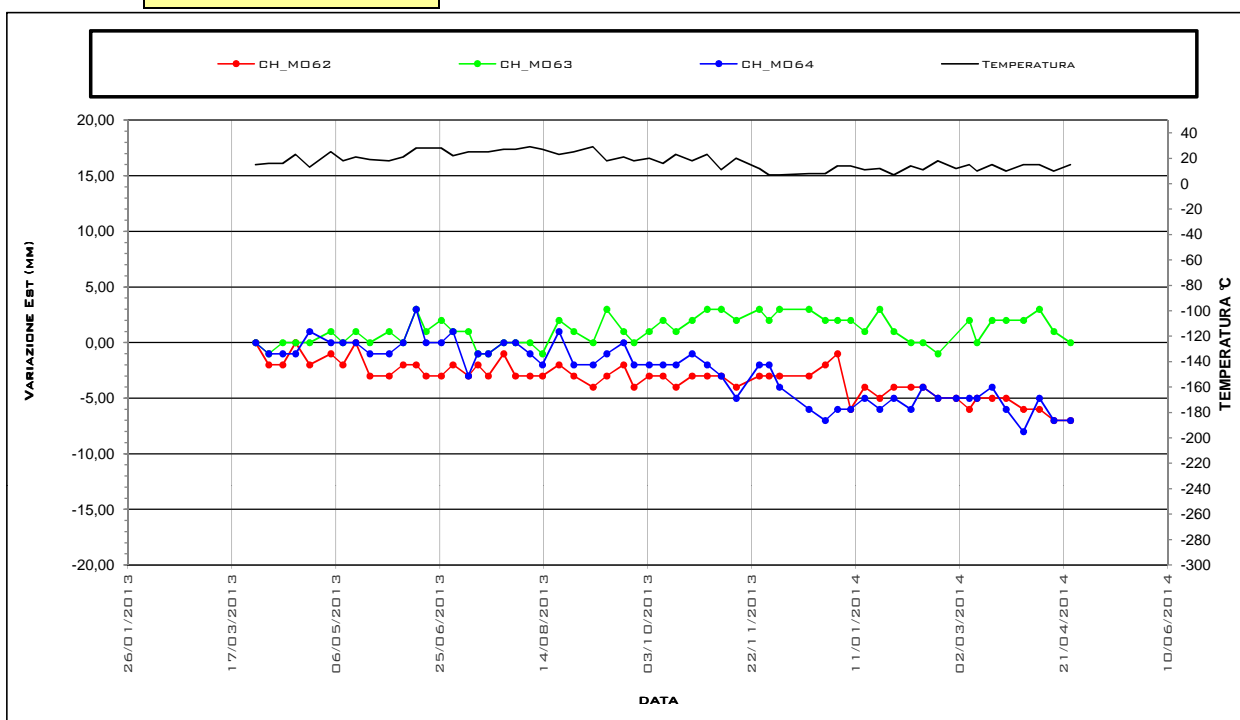
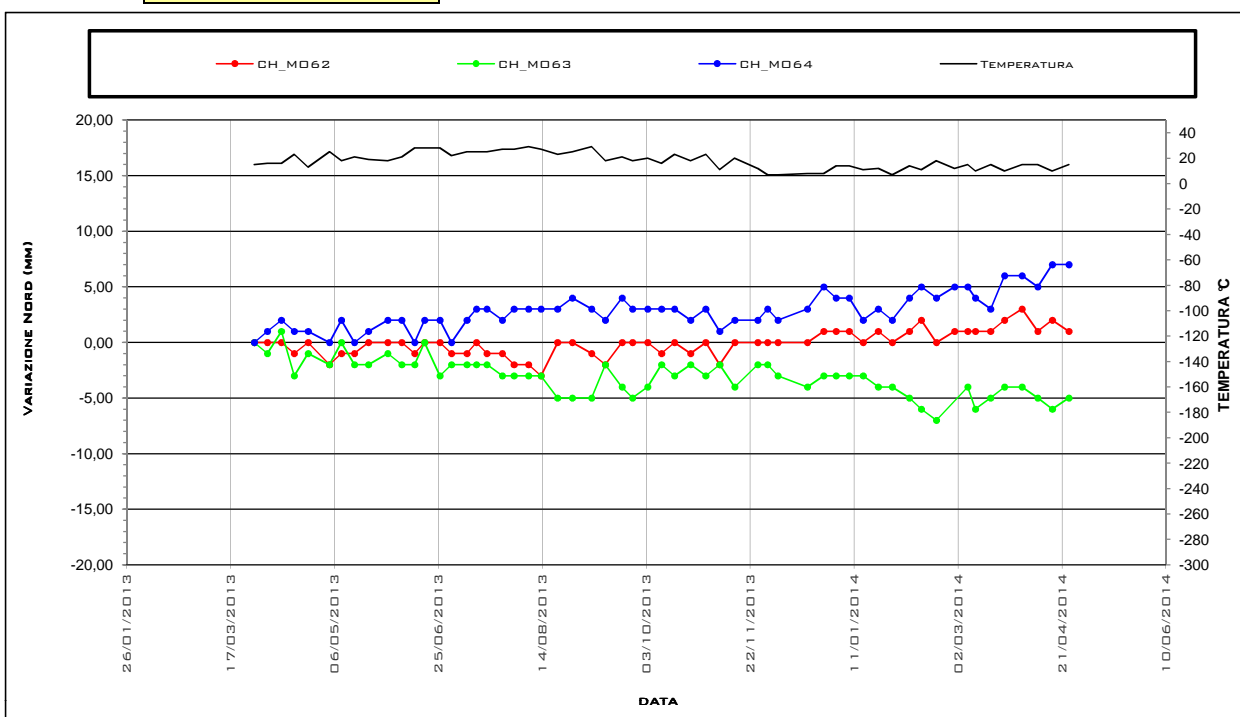


GRAFICO NORD





Ubicazione STAZIONE CHIAIA

Opera \ \ Supplementari \ 65-66

Tipo Strumento Mire Ottiche

Data posa in opera 06/02/2014

Data lettura di zero 06/02/2014

Ultima 12 **in** 24/04/2014
Misura **data**

Lett. n°	DATA	CH_M065					CH_M066				
		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	06/02/2014 14.30	14,0	4,2	0,0	0,0	0,0	14,0	4,4	0,0	0,0	0,0
2	12/02/2014 08.30	11,0	4,2	-2,0	0,0	-1,0	11,0	4,4	-2,0	2,0	1,0
3	19/02/2014 14.30	18,0	4,2	-2,0	0,0	-1,0	18,0	4,4	-3,0	2,0	2,0
4	28/02/2014 08.30	12,0	4,2	-3,0	0,0	2,0	12,0	4,4	-3,0	1,0	2,0
5	06/03/2014 16.30	15,0	4,2	-4,0	0,0	4,0	15,0	4,4	-3,0	1,0	5,0
6	10/03/2014 08.30	10,0	4,2	-3,0	0,0	3,0	10,0	4,4	-4,0	1,0	3,0
7	17/03/2014 15.30	15,0	4,2	-4,0	0,0	2,0	15,0	4,4	-4,0	1,0	4,0
8	24/03/2014 08.30						10,0	4,4	-2,0	2,0	1,0
9	01/04/2014 18.30						15,0	4,4	-4,0	-1,0	3,0
10	09/04/2014 08.30						15,0	4,4	-4,0	2,0	4,0
11	16/04/2014 08.30						10,0	4,4	-4,0	1,0	4,0
12	24/04/2014 08.30						15,0	4,4	-3,0	2,0	1,0

Ubicazione STAZIONE CHIAIA
Opera \ \ Supplementari \ 65-66
Tipo Strumento Mire Ottiche
Data posa in opera 06/02/2014
Data lettura di zero 06/02/2014

GRAFICO QUOTA

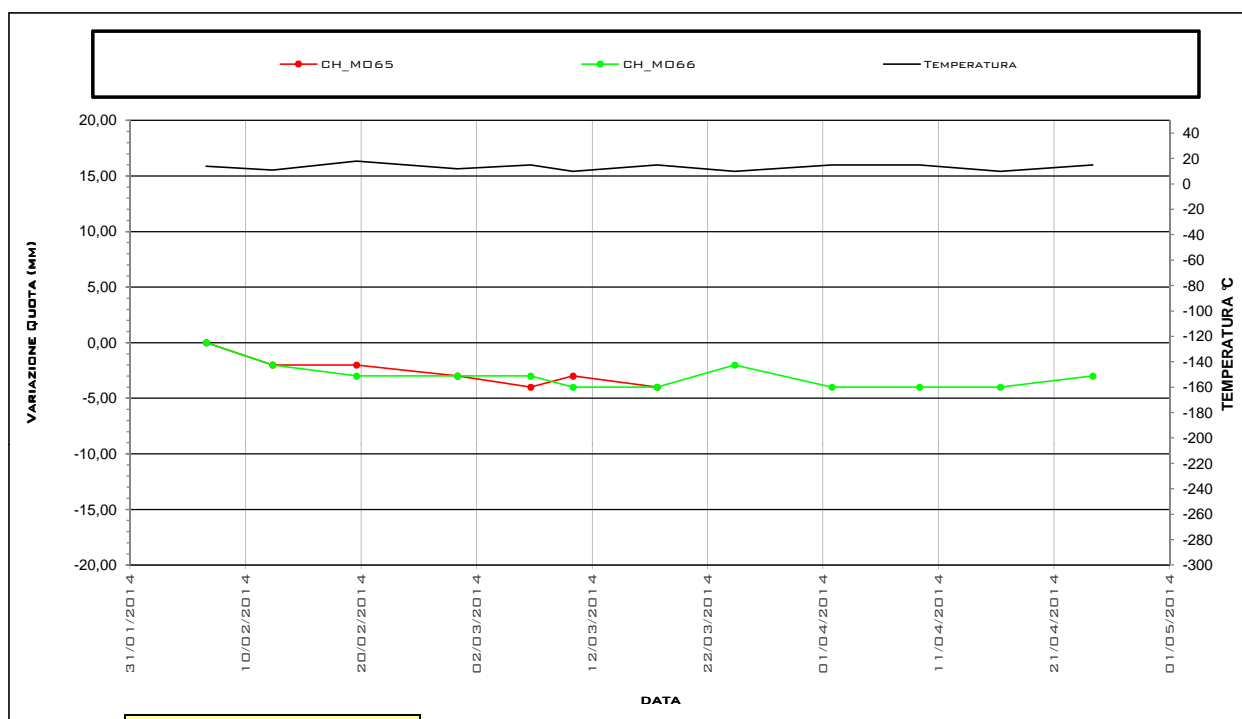
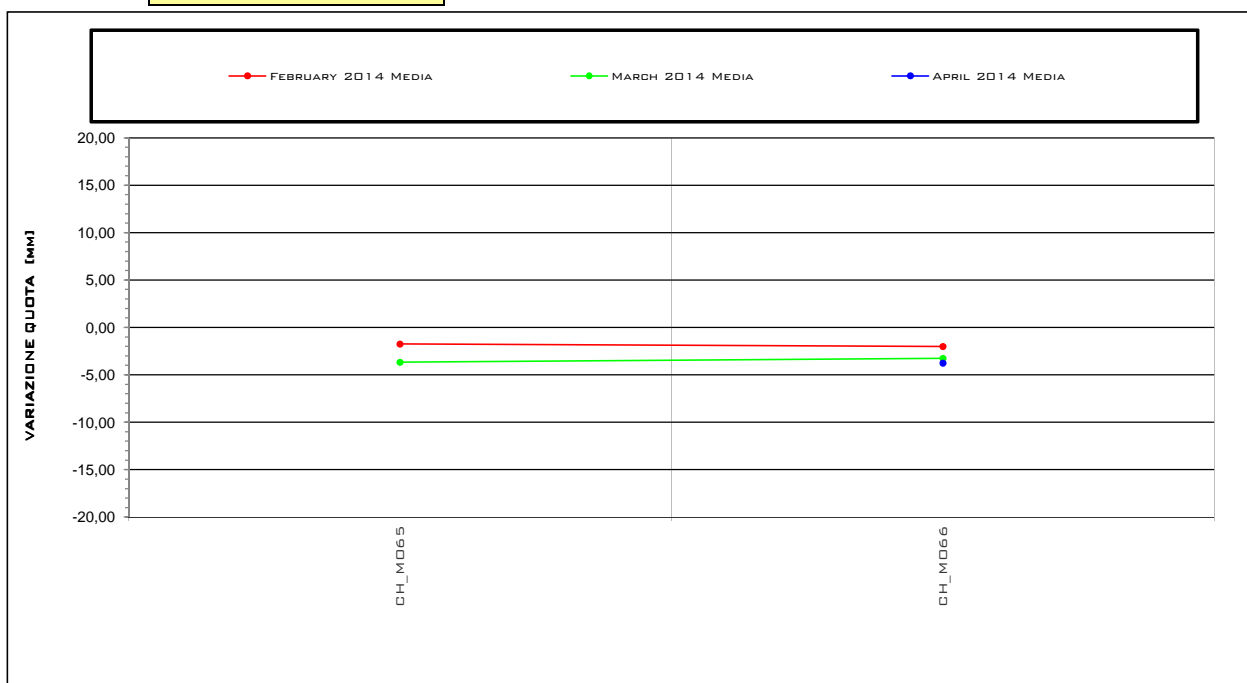


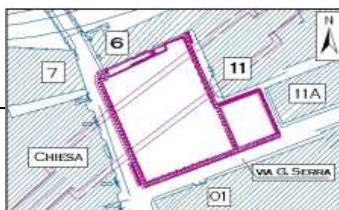
GRAFICO ISOCHRONE



UBICAZIONE

STAZIONE CHIAIA

\ \ Supplementari \ 65-66



Ubicazione STAZIONE CHIAIA
Opera \ \ Supplementari \ 65-66
Tipo Strumento Mire Ottiche
Data posa in opera 06/02/2014
Data lettura di zero 06/02/2014

UBICAZIONE

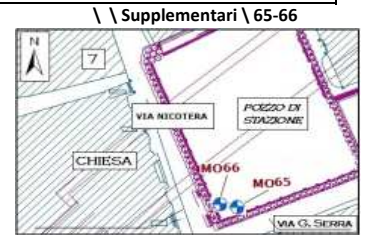


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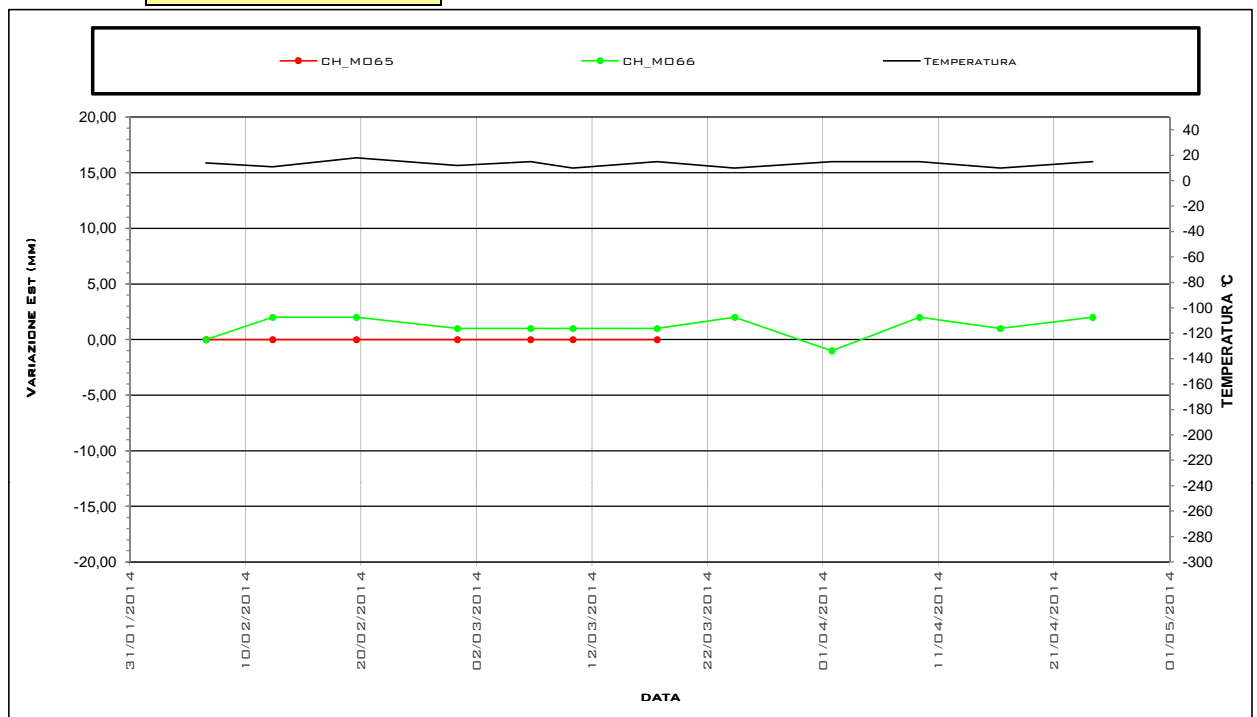
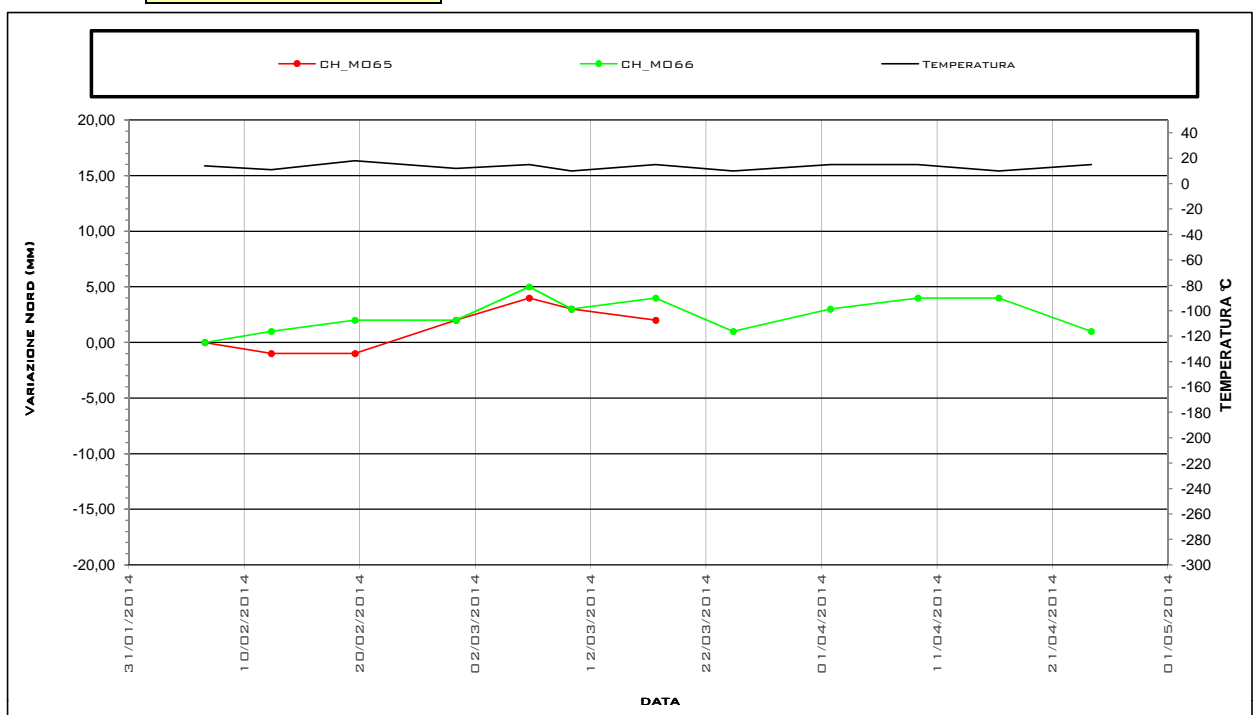


GRAFICO NORD



Ubicazione STAZIONE CHIAIA

Opera \ \ Supplementari \ 67-70

Tipo Strumento Mire Ottiche

Data posa in opera 06/02/2014

Data lettura di zero 06/02/2014

Ultima Misura 12 in data 24/04/2014

Lett. n°	DATA	CH_M067					CH_M068					CH_M069					CH_M070				
		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	06/02/2014 14.30	14,0	2,6	0,0	0,0	0,0	14,0	2,6	0,0	0,0	0,0	14,0	2,6	0,0	0,0	0,0	14,0	2,4	0,0	0,0	0,0
2	12/02/2014 08.30	11,0	2,6	-1,0	1,0	1,0	11,0	2,6	0,0	1,0	1,0	11,0	2,6	-1,0	1,0	0,0	11,0	2,4	-2,0	0,0	1,0
3	19/02/2014 14.30	18,0	2,6	-2,0	1,0	0,0	18,0	2,6	-1,0	0,0	1,0	18,0	2,6	-2,0	1,0	1,0	18,0	2,4	-4,0	0,0	-1,0
4	28/02/2014 08.30	12,0	2,5	-3,0	2,0	0,0	12,0	2,6	-2,0	1,0	2,0	12,0	2,6	-3,0	0,0	0,0	12,0	2,4	-3,0	1,0	-2,0
5	06/03/2014 16.30	15,0	2,5	-3,0	5,0	1,0	15,0	2,6	-2,0	2,0	3,0	15,0	2,6	-3,0	2,0	1,0	15,0	2,4	-3,0	2,0	1,0
6	10/03/2014 08.30	10,0	2,5	-3,0	2,0	1,0	10,0	2,6	-1,0	0,0	2,0	10,0	2,6	-2,0	1,0	1,0	10,0	2,4	-2,0	0,0	0,0
7	17/03/2014 15.30	15,0	2,5	-3,0	2,0	1,0	15,0	2,6	-1,0	3,0	2,0	15,0	2,6	-1,0	3,0	1,0	15,0	2,4	-7,0	10,0	2,0
8	24/03/2014 08.30	10,0	2,6	-1,0	-1,0	-1,0	10,0	2,6	0,0	0,0	0,0	10,0	2,6	-1,0	0,0	0,0	10,0	2,4	-14,0	24,0	7,0
9	01/04/2014 18.30	15,0	2,6	-2,0	1,0	4,0	15,0	2,6	-1,0	1,0	4,0	15,0	2,6	-2,0	4,0	1,0	15,0	2,4	-16,0	26,0	6,0
10	09/04/2014 08.30	15,0	2,5	-3,0	2,0	3,0	15,0	2,6	-2,0	3,0	3,0	15,0	2,6	-3,0	3,0	2,0	15,0	2,4	-17,0	26,0	8,0
11	16/04/2014 08.30	10,0	2,5	-3,0	1,0	2,0	10,0	2,6	-2,0	2,0	2,0	10,0	2,6	-1,0	2,0	2,0	10,0	2,4	-16,0	25,0	7,0
12	24/04/2014 08.30	15,0	2,6	-2,0	0,0	-1,0	15,0	2,6	-1,0	0,0	0,0	15,0	2,6	-1,0	1,0	-1,0	15,0	2,4	-16,0	24,0	6,0

Ubicazione STAZIONE CHIAIA
Opera \ \ Supplementari \ 67-70
Tipo Strumento Mire Ottiche
Data posa in opera 06/02/2014
Data lettura di zero 06/02/2014

GRAFICO QUOTA

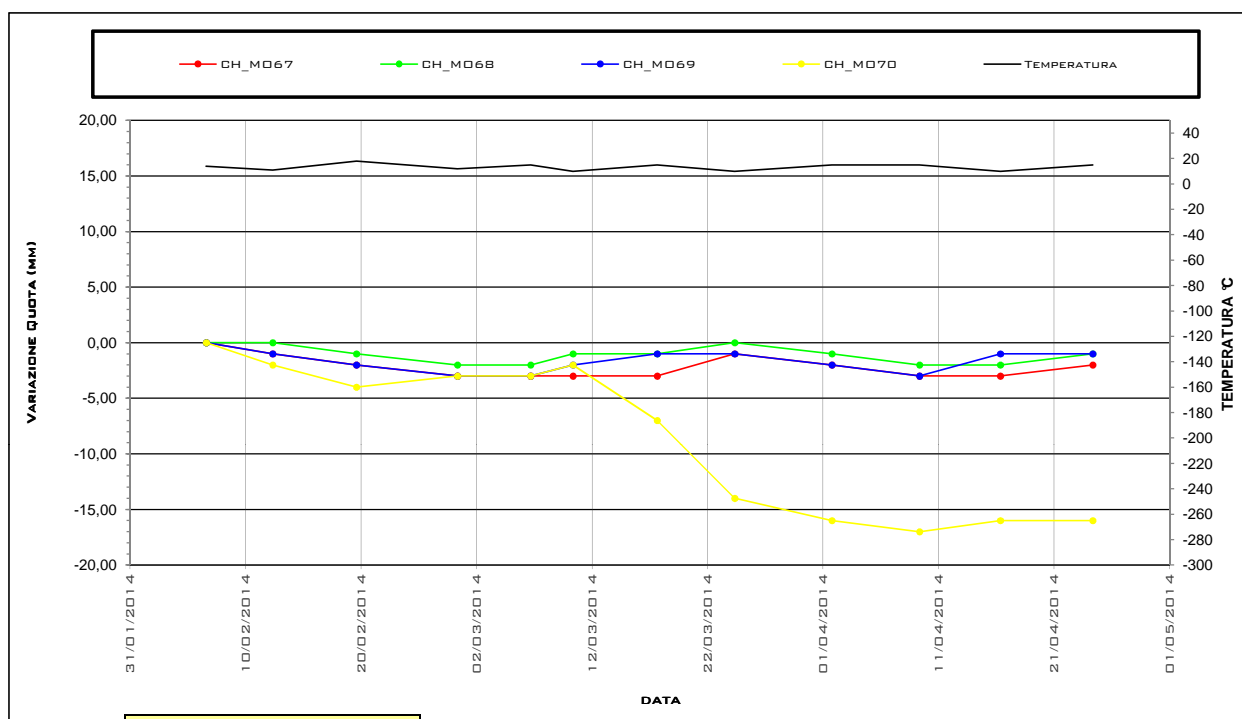
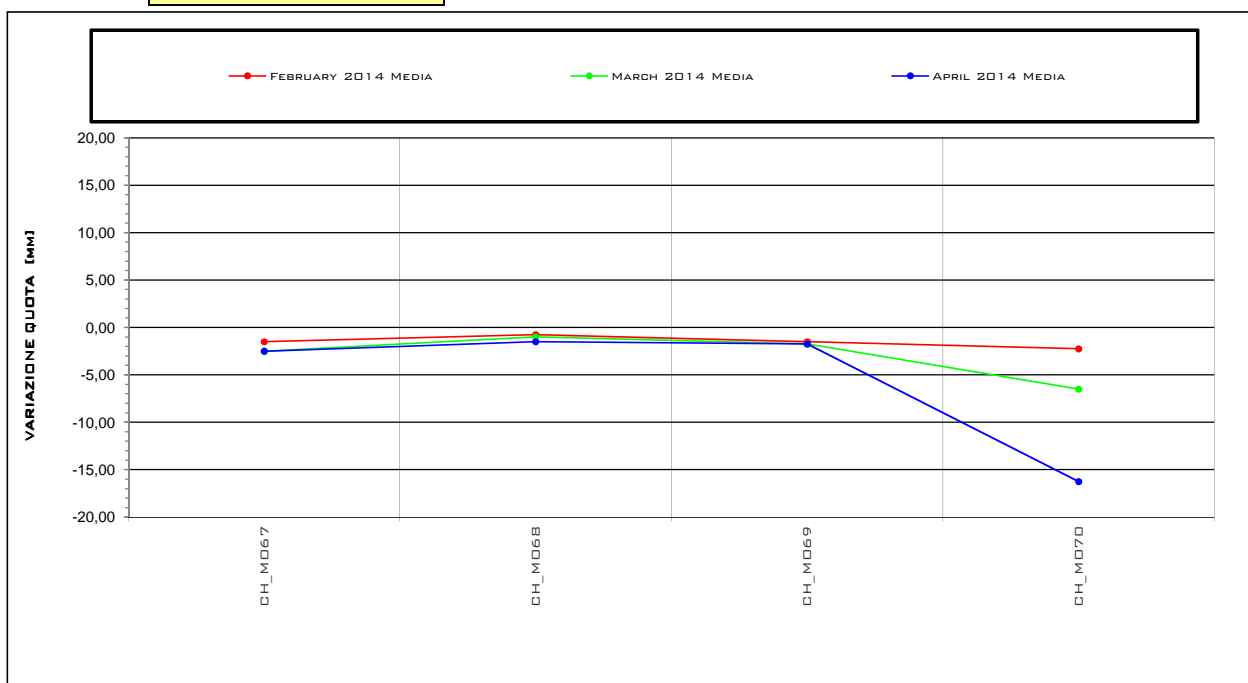


GRAFICO ISOCHRONE



Ubicazione STAZIONE CHIAIA
Opera \ \ Supplementari \ 67-70
Tipo Strumento Mire Ottiche
Data posa in opera 06/02/2014
Data lettura di zero 06/02/2014

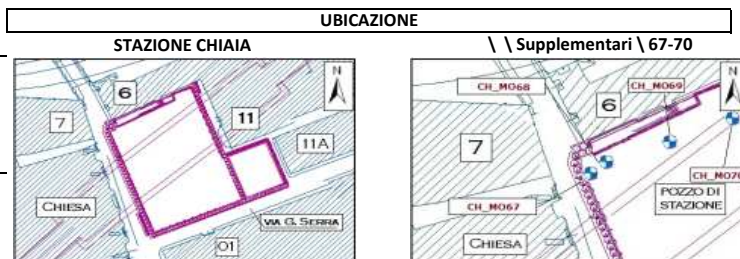


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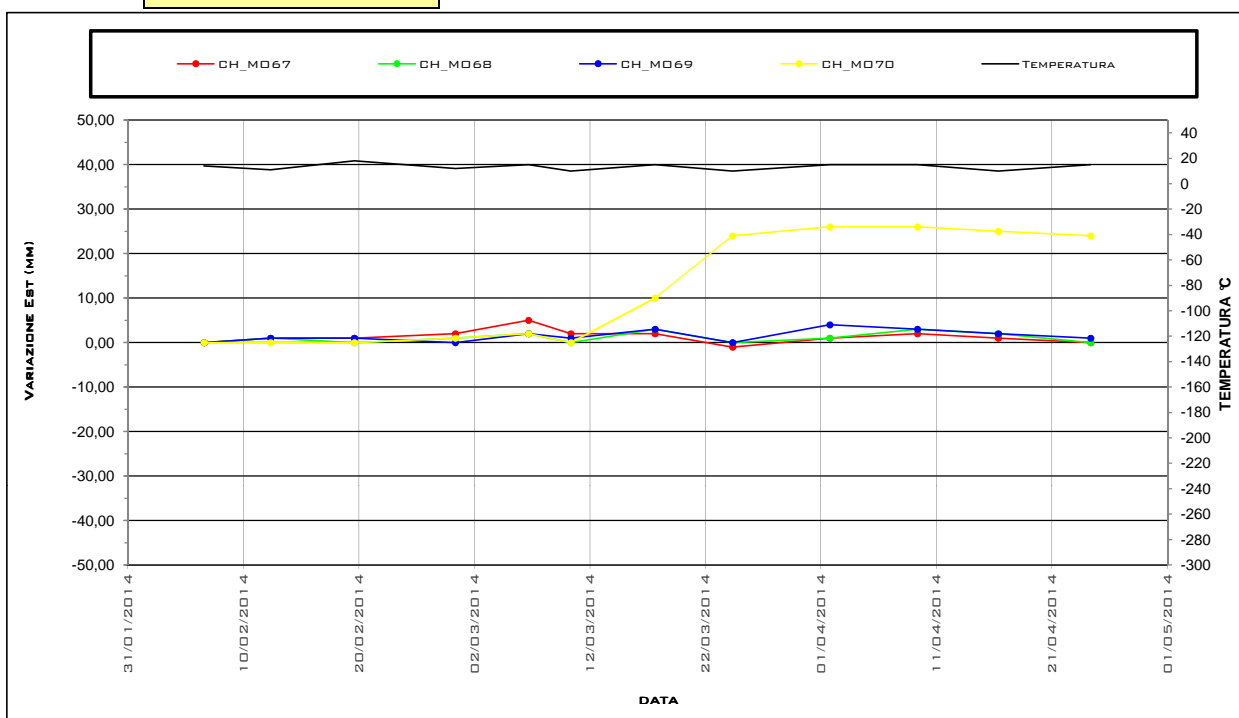
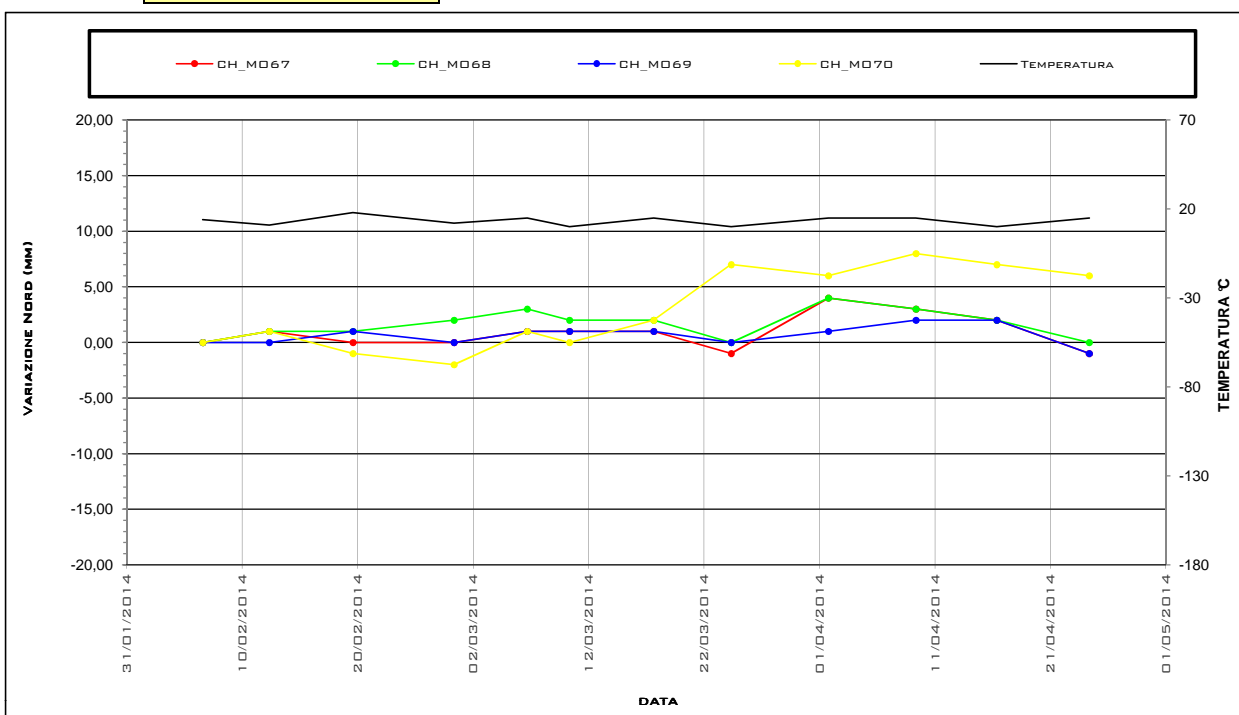


GRAFICO NORD



Ubicazione STAZIONE CHIAIA

Opera \ \ Supplementari \ 71-74

Tipo Strumento Mire Ottiche

Data posa in opera 12/02/2014

Data lettura di zero 12/02/2014

Ultima 10 **in** 24/04/2014
Misura **data**

Lett. n°	DATA	CH_M071					CH_M072					CH_M073					CH_M074				
		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	12/02/2014 08.30	11,0	4,6	0,0	0,0	0,0															
2	28/02/2014 08.30	12,0	4,6	0,0	0,0	-1,0	12,0	4,7	0,0	0,0	0,0										
3	06/03/2014 16.30	15,0	4,6	-1,0	0,0	2,0	15,0	4,7	-2,0	-3,0	3,0	15,0	5,2	0,0	0,0	0,0	15,0	4,9	0,0	0,0	0,0
4	10/03/2014 08.30	10,0	4,6	-1,0	0,0	2,0	10,0	4,7	-1,0	-2,0	2,0	10,0	5,2	1,0	-1,0	0,0	10,0	4,9	0,0	1,0	-1,0
5	17/03/2014 15.30	15,0	4,6	-1,0	0,0	1,0	15,0	4,7	-1,0	-2,0	0,0	15,0	5,2	0,0	-1,0	-2,0	15,0	4,9	0,0	1,0	-2,0
6	24/03/2014 08.30	10,0	4,6	1,0	0,0	1,0	10,0	4,7	0,0	-3,0	1,0	10,0	5,2	0,0	-1,0	-2,0	10,0	4,9	2,0	1,0	-1,0
7	01/04/2014 18.30	15,0	4,6	-1,0	-2,0	1,0	15,0	4,7	-2,0	-2,0	0,0	15,0	5,2	0,0	-1,0	-3,0	15,0	4,9	0,0	2,0	-2,0
8	09/04/2014 08.30	15,0	4,6	-1,0	1,0	2,0	15,0	4,7	-3,0	-2,0	1,0	15,0	5,2	-2,0	-2,0	1,0	15,0	4,9	0,0	1,0	1,0
9	16/04/2014 08.30	10,0	4,6	-2,0	0,0	1,0	10,0	4,7	-1,0	0,0	3,0	10,0	5,2	-2,0	0,0	0,0	10,0	4,9	-1,0	2,0	0,0
10	24/04/2014 08.30	15,0	4,6	0,0	0,0	0,0	15,0	4,7	-2,0	-3,0	0,0	15,0	5,2	0,0	-2,0	-3,0	15,0	4,9	1,0	1,0	-2,0

Ubicazione STAZIONE CHIAIA
Opera \ \ Supplementari \ 71-74
Tipo Strumento Mire Ottiche
Data posa in opera 12/02/2014
Data lettura di zero 12/02/2014

GRAFICO QUOTA

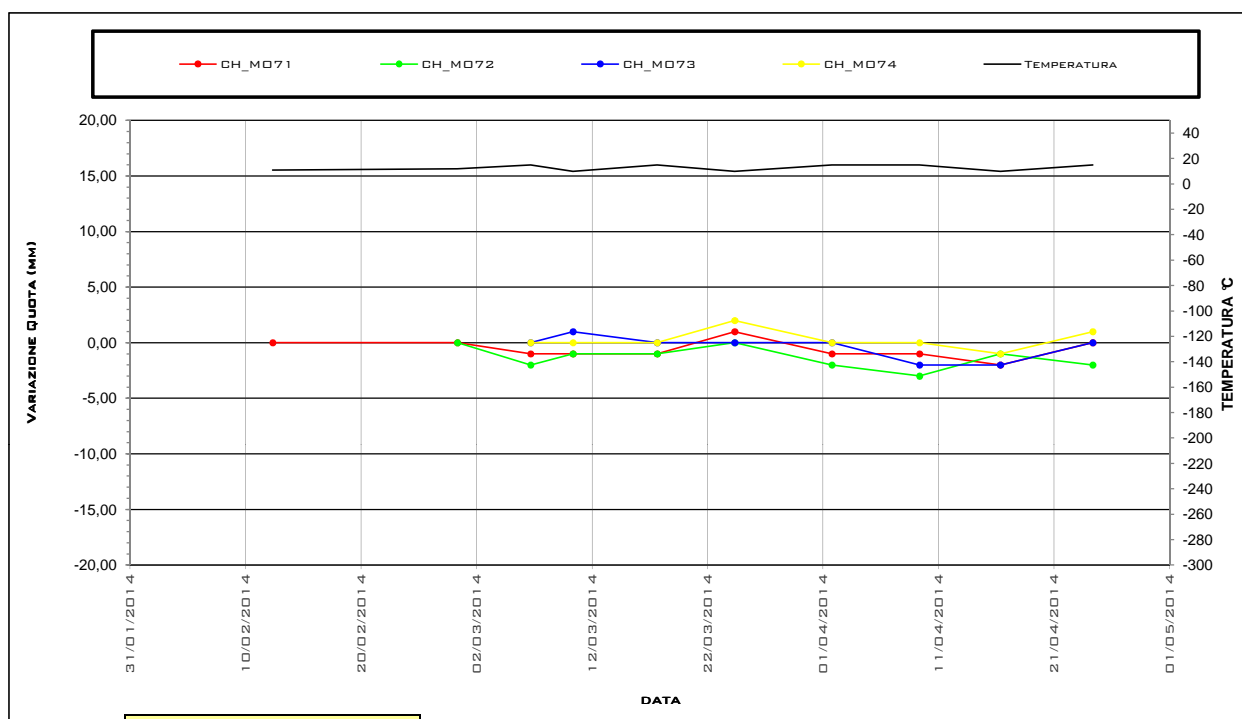
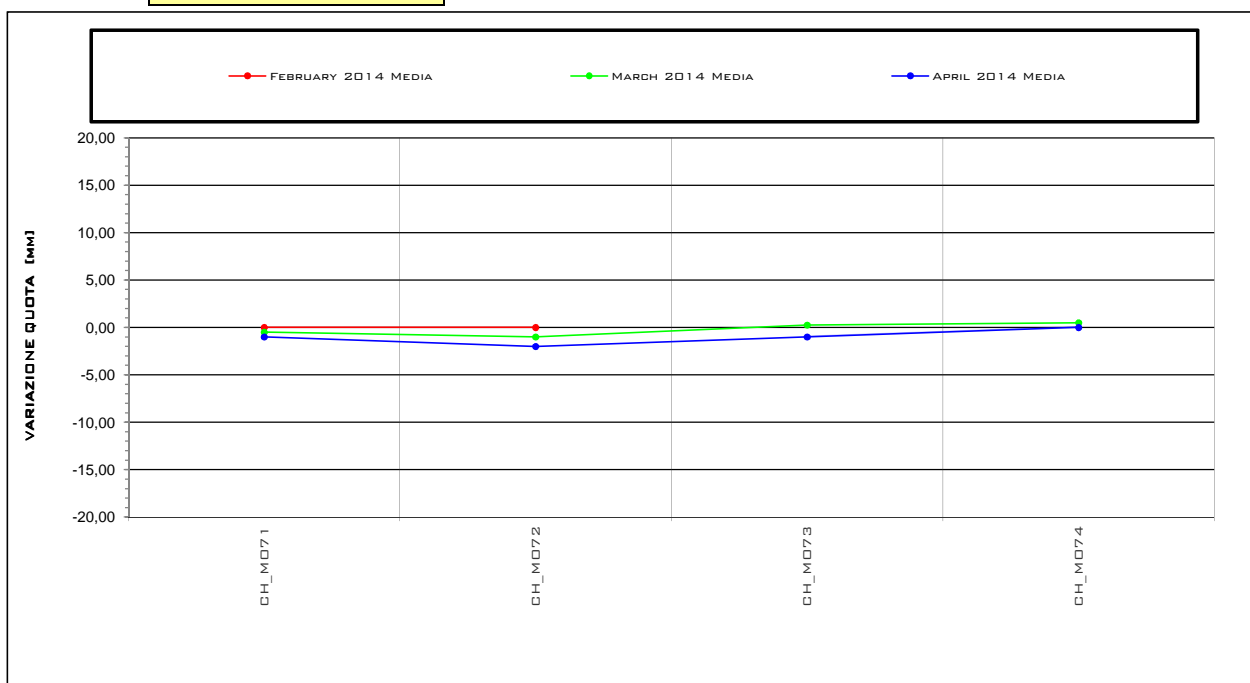


GRAFICO ISOCRONE



Ubicazione STAZIONE CHIAIA
Opera \ \ Supplementari \ 71-74
Tipo Strumento Mire Ottiche
Data posa in opera 12/02/2014
Data lettura di zero 12/02/2014

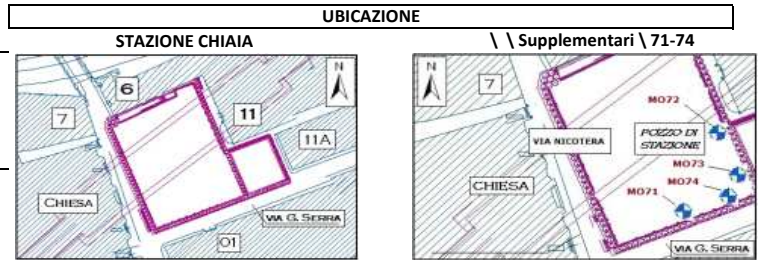


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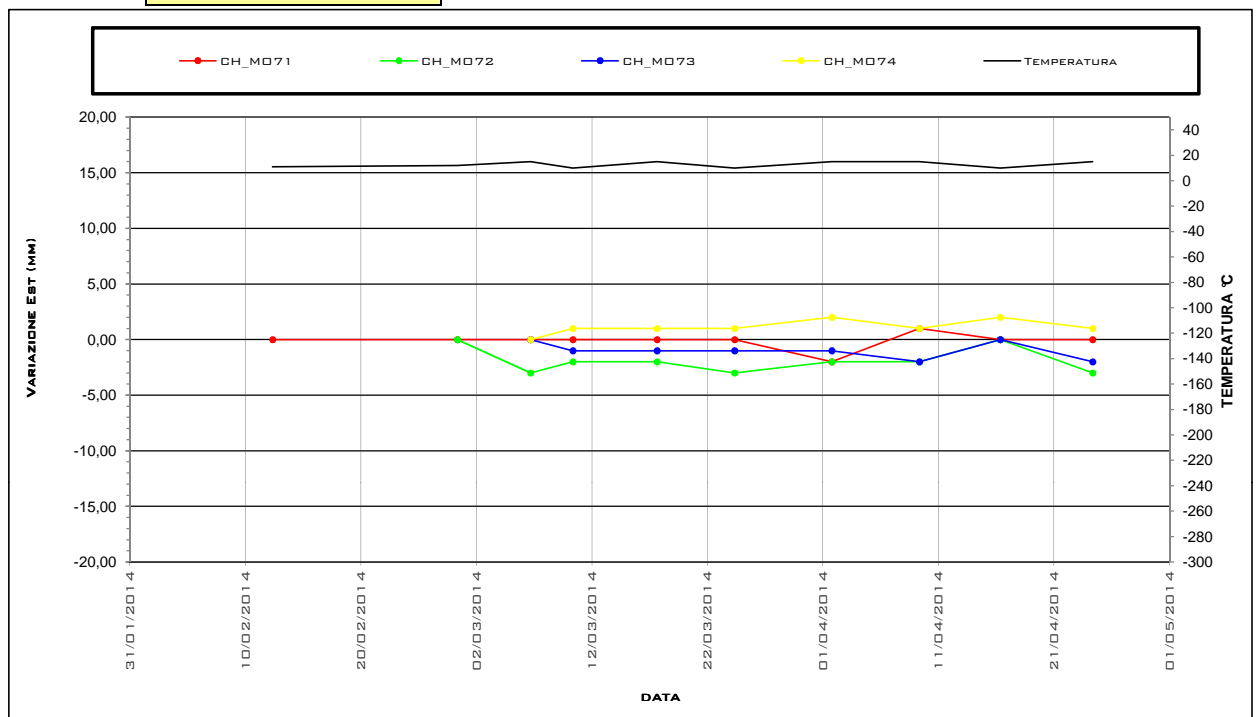


GRAFICO NORD

