



## Provincia Regionale di Agrigento

Lavori per il collegamento tra la SS 189 – SS118 – SS115 a servizio dei comuni della montagna, strada Mare – Monti, tratto SS115 – SS118. Progetto definitivo

*Esecuzione di Indagini geologiche e geotecniche in sito.*

### QUADERNO INDAGINI Allegato 3: Tomografie geoelettriche

Rev0 del 26 agosto 2013



Autorizzazione Ministero delle Infrastrutture e dei Trasporti  
n. 6527 del 11/07/2011 per l'esecuzione e certificazione di  
indagini geognostiche, prelievo di campioni e prove in sito  
di cui all'art. 59 del D.P.R. n. 380/2001.

Il Direttore di Laboratorio  
Geol. Antonello Reale



Lo Sperimentatore  
Geol. Giuseppe Sclafani



**GEOTEC SPA**



## **INDAGINE GEOFISICA**

Oggetto: indagini geognostiche relative ai Lavori per il collegamento tra la SS 189 - SS 118 - SS115 a servizio dei comuni della montagna Strada "Mare – Monti" tratto SS115 - SS118

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A corredo della campagna di indagini relativa ai Lavori per il progetto di collegamento tra la SS 189 - SS 118 - SS115 a servizio dei comuni della montagna (Strada "Mare – Monti"), tratto SS115 - SS118, si è eseguita un'indagine geofisica, consistente in nove sondaggi elettrici del tipo tomografico, volta alla conoscenza del sottosuolo delle aree interessate dalle opere in progetto.

Il metodo è basato sul diverso comportamento dei litotipi quando vengono attraversati da una corrente continua che permette di distinguerli sulla base delle loro caratteristiche elettriche.

In particolare il parametro utilizzato per distinguere i diversi litotipi è la resistività elettrica, la quale risulta essere in stretta relazione con la natura fisica del terreno. e con la presenza in esso di fluidi elettrolitici.

La misura della resistività apparente è alla base della geoelettrica, essa viene effettuata in sito generando nel sottosuolo un campo elettrico ed



analizzando le superfici equipotenziali che esso produce in superficie.

Detta indagine è stata eseguita adottando la metodologia del tipo **“Wenner-Schlumberger combinato”** da me ritenuta, all’uopo, più idonea allo scopo.

Immettendo, quindi, nel terreno, tramite una serie di elettrodi (detti di corrente), una corrente continua fino a 350 V, si produce in esso un campo elettrico la cui forma dipende principalmente dalle caratteristiche elettriche e dalla disposizione dei litotipi realmente presenti nel sottosuolo.

Studiando, tramite altri elettrodi (detti di potenziale), la distribuzione delle linee di forza che il campo elettrico ha assunto nell’area d’interesse, si può risalire alla distribuzione spaziale dei litotipi.

Nel caso specifico, per l’esecuzione dell’indagine sono stati infissi nel terreno (16 – 32) elettrodi in acciaio inox e tramite uno strumento digitale di acquisizione dati, è stata gestita la configurazione elettrodica. In questo modo gli elettrodi connessi elettricamente ad un georesistivimetro e ad un generatore di tensione capace di generare in uscita differenze di potenziale da 50 a 500 volt in c.c., secondo una sequenza caratteristica del metodo utilizzato.

L'indagine si esegue immettendo nel suolo una corrente elettrica continua di intensità nota e misurando contemporaneamente la resistività apparente dei litotipi riscontrati.

Infatti, è noto che la conducibilità elettrica è funzione della natura litologica, chimica e idrochimica del terreno e le variazioni laterali della conducibilità possono essere attribuite alla presenza di valori estrapolati che risultano anomali.

Prima di procedere all'inversione dei dati, si è provveduto ad eliminare quei termini affetti da rumore sistematico e anche se non esiste un metodo di inversione ottimale per tutti i set di dati, a causa della grande variabilità degli ambienti geologici, si è operato nell'impostare un certo numero di parametri per ottenere risultati più vicini alla geologia nota.

### **Strumentazione e software utilizzato.**

Per misurare la resistività apparente del terreno, detta prospezione geoelettrica, è stata effettuata con un'apparecchiatura multi-elettrodica (16G) della PASI, alimentata da un energizzatore PASI Mod. P-300T.

Il georesistivimetro multielettrodico digitale, è dotato di una gestione automatica degli elettrodi, cioè, è in grado di commutare gli elettrodi disposti lungo la sezione da investigare in elettrodi d'immissione ed in elettrodi di misura, con tutte le possibili combinazioni quadripolari ottenibili dagli elettrodi.

Per l'esecuzione di dette tomografie elettriche sono state adottate spaziature tra gli elettrodi di potenziale e di corrente variabili da 6 m a 8 m, per una lunghezza totale dello stendimento variabile da 90 metri a 248 metri.

L'elaborazione dei dati e la successiva interpretazione, ha permesso allo scrivente di potere creare dei modelli di resistività del sottosuolo, ben correlati con la geologia locale.

Quest'ultima è stata eseguita mediante specifico software ELETOM, proposto dal Dr. Prof. Giorgio Scioldo dell'Università di Torino, Amm.re Delegato della Società GEO&SOFT International, che ha permesso di rappresentare una vera sezione bidimensionale (2 D) della distribuzione della resistività del terreno.



**Strumentazione multi-elettrodica (16G) della PASIed  
energizzatore PASI Mod. P-300T**













## FOTO STENDIMENTO

TE 01	37°33.376'N	13°21.390'E	90 m
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METHODE=WENNER-SCHLUMBERGER TE01

a[m]=6.0

a	b	m	n	V/I[ohm]	V[V]	I[A]	R[ohm*m]	SP[V]	NV	NI
1	4	2	3	5.17e-02	1.063e-02	0.205840	1.948e+00	-0.041	7.40e-04	2.27e-03
2	5	3	4	7.05e-02	1.435e-02	0.203492	2.659e+00	0.040	5.12e-04	1.93e-03
3	6	4	5	1.15e-02	2.359e-03	0.205204	4.334e-01	-0.138	5.98e-04	1.85e-03
4	7	5	6	2.05e-02	4.202e-03	0.205203	7.720e-01	-0.095	9.94e-04	2.12e-03
5	8	6	7	7.18e-02	1.461e-02	0.203528	2.706e+00	-0.011	7.59e-04	2.20e-03
6	9	7	8	2.72e-02	5.581e-03	0.205148	1.026e+00	-0.078	7.99e-04	1.42e-03
7	10	8	9	5.84e-02	1.191e-02	0.204061	2.201e+00	0.053	8.59e-04	2.26e-03
8	11	9	10	1.87e-02	3.821e-03	0.204694	7.037e-01	-0.149	7.01e-04	2.30e-03
9	12	10	11	1.96e-02	4.014e-03	0.204534	7.399e-01	0.025	1.03e-03	2.37e-03
10	13	11	12	4.02e-02	8.222e-03	0.204684	1.514e+00	-0.109	1.03e-03	2.07e-03
11	14	12	13	1.57e-02	3.222e-03	0.204672	5.935e-01	-0.055	8.78e-04	1.97e-03
12	15	13	14	4.46e+01	9.131e+00	0.204852	1.680e+03	-0.189	1.23e-02	2.09e-03
13	16	14	15	4.38e+00	8.955e-01	0.204231	1.653e+02	-0.012	1.51e-03	3.04e-03
1	6	3	4	2.13e-02	4.378e-03	0.205346	2.411e+00	-0.005	7.28e-04	1.54e-03
2	7	4	5	1.78e-02	3.662e-03	0.205211	2.018e+00	0.021	8.40e-04	1.44e-03
3	8	5	6	2.18e-02	4.466e-03	0.204688	2.466e+00	-0.014	9.36e-04	1.98e-03
4	9	6	7	2.73e-02	5.599e-03	0.204851	3.088e+00	0.026	6.38e-04	1.87e-03
5	10	7	8	2.57e-02	5.270e-03	0.204707	2.909e+00	-0.010	7.85e-04	2.08e-03
6	11	8	9	2.35e-02	4.807e-03	0.204250	2.659e+00	-0.327	7.03e-04	1.76e-03
7	12	9	10	2.15e-02	4.407e-03	0.204536	2.435e+00	-0.221	6.56e-04	2.29e-03
8	13	10	11	2.26e-02	4.625e-03	0.204637	2.556e+00	0.079	7.32e-04	1.72e-03
9	14	11	12	1.47e-02	2.993e-03	0.203541	1.662e+00	-0.114	9.69e-04	1.79e-03
10	15	12	13	2.86e+01	5.846e+00	0.204510	3.233e+03	-0.013	3.25e-03	2.27e-03
11	16	13	14	6.82e-02	1.401e-02	0.205372	7.715e+00	0.084	9.70e-04	2.55e-03
1	8	4	5	1.31e-02	2.682e-03	0.204966	2.960e+00	0.086	7.01e-04	1.77e-03
2	9	5	6	4.35e-02	8.885e-03	0.204337	9.827e+00	0.107	8.36e-04	2.06e-03



3	10	6	7	9.29e-03	1.901e-03	0.204745	2.101e+00	0.004	6.32e-04	1.83e-03
4	11	7	8	1.52e-02	3.110e-03	0.204459	3.441e+00	-0.310	7.16e-04	1.26e-03
5	12	8	9	3.31e-02	6.755e-03	0.204294	7.473e+00	-0.279	1.13e-03	1.74e-03
6	13	9	10	1.11e-02	2.271e-03	0.204867	2.505e+00	-0.055	7.38e-04	2.49e-03
7	14	10	11	5.70e-03	1.162e-03	0.203743	1.289e+00	-0.043	9.59e-04	2.94e-03
8	15	11	12	2.53e+01	5.153e+00	0.203873	5.717e+03	-0.132	2.54e-03	1.62e-03
9	16	12	13	8.32e-02	1.701e-02	0.204592	1.881e+01	0.138	9.12e-04	3.41e-03
1	10	5	6	1.04e-02	2.124e-03	0.204438	3.918e+00	-0.001	6.36e-04	2.23e-03
2	11	6	7	3.76e-02	7.670e-03	0.204096	1.417e+01	0.125	7.25e-04	2.14e-03
3	12	7	8	1.38e-02	2.799e-03	0.203578	5.184e+00	-0.139	6.32e-04	1.74e-03
4	13	8	9	3.36e-02	6.843e-03	0.203935	1.265e+01	0.412	6.66e-04	1.84e-03
5	14	9	10	9.82e-04	1.995e-04	0.203136	3.703e-01	-0.181	6.34e-04	2.37e-03
6	15	10	11	2.50e+01	5.122e+00	0.204917	9.424e+03	-0.125	1.90e-03	1.70e-03
7	16	11	12	6.63e-02	1.353e-02	0.204164	2.499e+01	0.066	9.93e-04	2.42e-03
1	12	6	7	3.44e-02	7.031e-03	0.204205	1.947e+01	0.037	8.63e-04	1.90e-03
2	13	7	8	2.46e-02	5.041e-03	0.204628	1.393e+01	-0.269	9.93e-04	2.08e-03
3	14	8	9	1.56e-02	3.175e-03	0.203679	8.807e+00	-0.284	1.01e-03	1.97e-03
4	15	9	10	2.37e+01	4.836e+00	0.204066	1.340e+04	-0.163	1.24e-03	2.04e-03
5	16	10	11	7.81e-02	1.588e-02	0.203218	4.419e+01	0.215	9.00e-04	2.39e-03
1	14	7	8	3.40e-02	6.943e-03	0.204277	2.692e+01	-0.243	9.26e-04	2.38e-03
2	15	8	9	2.55e+01	5.219e+00	0.204839	2.017e+04	-0.236	2.60e-03	2.18e-03
3	16	9	10	7.93e-02	1.612e-02	0.203165	6.280e+01	0.041	8.79e-04	2.49e-03
1	7	3	5	2.33e-02	4.748e-03	0.204069	1.754e+00	-0.133	9.09e-04	1.84e-03
2	8	4	6	2.04e-02	4.173e-03	0.204751	1.537e+00	-0.050	7.12e-04	1.81e-03
3	9	5	7	2.24e-02	4.584e-03	0.204221	1.692e+00	-0.450	6.03e-04	2.08e-03
4	10	6	8	5.30e-02	1.086e-02	0.204715	3.999e+00	-0.010	7.83e-04	1.97e-03
5	11	7	9	1.78e-02	3.621e-03	0.203893	1.339e+00	-0.235	6.79e-04	2.04e-03
6	12	8	10	1.39e-02	2.840e-03	0.203911	1.050e+00	-0.318	7.66e-04	2.43e-03
7	13	9	11	1.55e-02	3.157e-03	0.203835	1.168e+00	-0.088	6.73e-04	2.02e-03
8	14	10	12	2.06e-02	4.202e-03	0.203864	1.554e+00	-0.052	7.95e-04	2.69e-03



9	15	11	13	2.87e+01	5.856e+00	0.203904	2.165e+03	-0.122	1.84e-03	2.28e-03
10	16	12	14	5.13e-02	1.049e-02	0.204431	3.870e+00	0.098	9.47e-04	2.88e-03
1	11	5	7	6.45e-03	1.309e-03	0.202842	1.458e+00	-0.079	7.45e-04	1.35e-03
2	12	6	8	6.12e-03	1.244e-03	0.203355	1.383e+00	-0.187	7.44e-04	2.72e-03
3	13	7	9	1.56e-02	3.169e-03	0.203573	3.521e+00	0.001	9.73e-04	2.12e-03
4	14	8	10	1.88e-02	3.826e-03	0.203833	4.246e+00	0.091	8.10e-04	2.54e-03
5	15	9	11	2.51e+01	5.130e+00	0.204692	5.668e+03	-0.332	2.04e-03	1.97e-03
6	16	10	12	5.57e-02	1.132e-02	0.203392	1.258e+01	-0.484	1.08e-03	2.20e-03
1	15	7	9	2.57e+01	5.234e+00	0.203608	1.163e+04	-0.325	1.43e-03	1.94e-03
2	16	8	10	6.74e-03	1.373e-03	0.203636	3.048e+00	0.074	1.02e-03	3.30e-03
1	10	4	7	1.25e-02	2.553e-03	0.204424	1.411e+00	-0.076	7.97e-04	2.31e-03
2	11	5	8	1.47e-02	2.993e-03	0.203760	1.660e+00	-0.141	6.96e-04	2.55e-03
3	12	6	9	1.43e-02	2.917e-03	0.203837	1.617e+00	-0.137	7.63e-04	2.11e-03
4	13	7	10	1.15e-02	2.342e-03	0.204290	1.295e+00	-0.135	5.98e-04	2.01e-03
5	14	8	11	1.22e-02	2.494e-03	0.203728	1.383e+00	-0.090	6.39e-04	2.39e-03
6	15	9	12	2.53e+01	5.166e+00	0.203854	2.866e+03	-0.126	1.78e-03	2.13e-03
7	16	10	13	1.07e-02	2.189e-03	0.204008	1.214e+00	-0.126	7.10e-04	3.14e-03
1	16	7	10	5.63e-02	1.151e-02	0.204318	1.911e+01	-0.470	6.65e-04	3.03e-03
1	13	5	9	2.49e-02	5.059e-03	0.202887	3.765e+00	-0.429	5.80e-04	2.57e-03
2	14	6	10	1.19e-02	2.424e-03	0.203197	1.801e+00	-0.108	7.71e-04	2.10e-03
3	15	7	11	2.52e+01	5.136e+00	0.203933	3.798e+03	-0.423	1.82e-03	1.63e-03
4	16	8	12	1.02e-02	2.083e-03	0.203966	1.542e+00	-0.137	6.20e-04	3.54e-03

# DATI DI INPUT TOMOGRAFIA ELETTRICA

WENNER-SCHLUMBERGER  
Tomografia Strada Mari - Monti TE 01

## POSIZIONAMENTO ELETTRODI

N.	X	Z
1	0	1.10
2	6	1.40
3	12	1.80
4	18	2.10
5	24	2.00
6	30	2.10
7	36	1.90
8	42	1.50
9	48	1.20
10	54	0.80
11	60	0.60
12	66	0.35
13	72	0.15
14	78	0.10
15	84	0.05
16	90	0.00

## CONDIZIONI INIZIALI

Resistività background omogeneo:	1547.76500802399
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## LETTURE

n°	A	B	M	N	V/I Lett.	V/I Inv.	Delta V/I	% Err.
1	1	4	2	3	0.26900	0.27494380	0.00594380	2
2	2	5	3	4	0.24100	0.30135440	0.06035440	25
3	3	6	4	5	0.23900	0.29633280	0.05733280	24
4	4	7	5	6	0.37600	0.34668000	0.02932000	8
5	5	8	6	7	0.34700	0.34146510	0.00553490	2
6	6	9	7	8	0.35700	0.32386130	0.03313870	9
7	7	10	8	9	0.35100	0.34070150	0.01029850	3
8	8	11	9	10	0.20400	0.20681820	0.00281820	1
9	9	12	10	11	0.20800	0.23505140	0.02705140	13
10	10	13	11	12	0.15700	0.23615910	0.07915910	50
11	11	14	12	13	0.16200	0.30272710	0.14072710	87
12	12	15	13	14	37.00000	0.56860930	36.43139070	98
13	13	16	14	15	0.30000	0.35525800	0.05525800	18
14	1	6	3	4	0.08590	0.09325824	0.00735824	9
15	2	7	4	5	0.10800	0.09717152	0.01082848	10
16	3	8	5	6	0.09420	0.09885164	0.00465164	5
17	4	9	6	7	0.08820	0.08693613	0.00126387	1

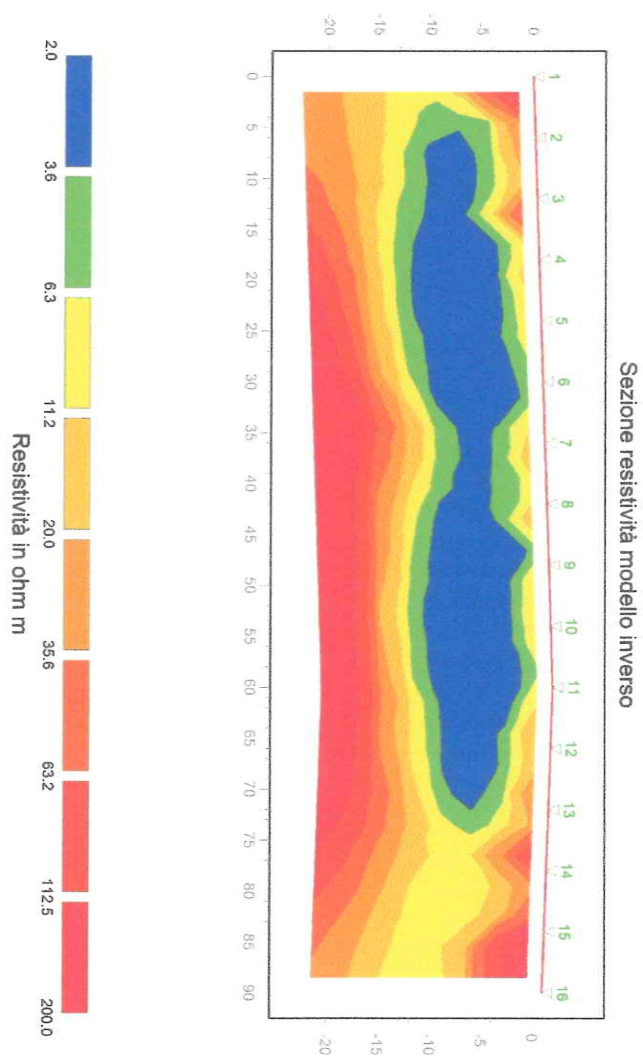
18	5	10	7	8	0.09890	0.08719211	0.01170789	12
19	6	11	8	9	0.10900	0.10047300	0.00852700	8
20	7	12	9	10	0.04690	0.06161747	0.01471747	31
21	8	13	10	11	0.06940	0.06851854	0.00088146	1
22	9	14	11	12	0.06300	0.07426645	0.01126645	18
23	10	15	12	13	39.20000	0.12093280	39.07906720	100
24	11	16	13	14	0.08890	0.10191650	0.01301650	15
25	1	8	4	5	0.04300	0.04717671	0.00417671	10
26	2	9	5	6	0.04970	0.05050515	0.00080515	2
27	3	10	6	7	0.04890	0.04993252	0.00103252	2
28	4	11	7	8	0.04170	0.04856882	0.00686882	16
29	5	12	8	9	0.05550	0.05516640	0.00033360	1
30	6	13	9	10	0.03140	0.03311180	0.00171180	5
31	7	14	10	11	0.01520	0.03520020	0.02000020	132
32	8	15	11	12	47.90000	0.04401606	47.85598394	100
33	9	16	12	13	0.07210	0.05320193	0.01889807	26
34	1	10	5	6	0.03310	0.03241939	0.00068061	2
35	2	11	6	7	0.03260	0.03507033	0.00247033	8
36	3	12	7	8	0.03660	0.03373384	0.00286616	8
37	4	13	8	9	0.03750	0.03751790	0.00001790	0
38	5	14	9	10	0.00967	0.02135799	0.01168799	121
39	6	15	10	11	40.00000	0.02612651	39.97387349	100
40	7	16	11	12	0.03360	0.02476593	0.00883407	26
41	1	12	6	7	0.04140	0.02452626	0.01687374	41
42	2	13	7	8	0.01090	0.02464562	0.01374562	126
43	3	14	8	9	0.02520	0.02693134	0.00173134	7
44	4	15	9	10	51.70000	0.01700935	51.68299065	100
45	5	16	10	11	0.04870	0.01656149	0.03213851	66
46	1	14	7	8	0.01510	0.01707709	0.00197709	13
47	2	15	8	9	39.20000	0.02179421	39.17820579	100
48	3	16	9	10	0.04430	0.01138339	0.03291661	74
49	1	7	3	5	0.14600	0.14254540	0.00345460	2
50	2	8	4	6	0.13900	0.15040580	0.01140580	8
51	3	9	5	7	0.12300	0.13705530	0.01405530	11
52	4	10	6	8	0.13000	0.13501420	0.00501420	4
53	5	11	7	9	0.15400	0.14631270	0.00768730	5
54	6	12	8	10	0.13300	0.12851280	0.00448720	3
55	7	13	9	11	0.08300	0.10212110	0.01912110	23
56	8	14	10	12	0.09680	0.10551240	0.00871240	9
57	9	15	11	13	39.40000	0.17002090	39.22997910	100
58	10	16	12	14	0.09710	0.14981500	0.05271500	54
59	1	11	5	7	0.05470	0.05697798	0.00227798	4
60	2	12	6	8	0.05700	0.06049674	0.00349674	6
61	3	13	7	9	0.06340	0.06211087	0.00128913	2
62	4	14	8	10	0.05070	0.05079323	0.00009323	0
63	5	15	9	11	40.10000	0.04289855	40.05710145	100
64	6	16	10	12	0.02440	0.04129511	0.01689511	69
65	1	15	7	9	39.40000	0.03432174	39.36567826	100



66	2	16	8	10	0.02800	0.02742603	0.00057397	2
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LETTURE SCARTATE PER ECCESSIVO RUMORE

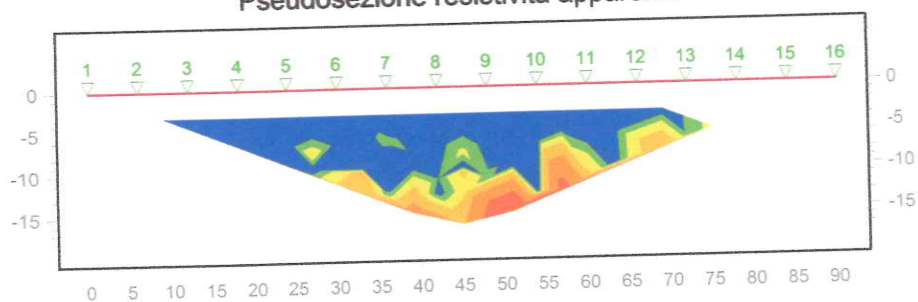
A	B	M	N	V/I
1	16	8	9	0.000444



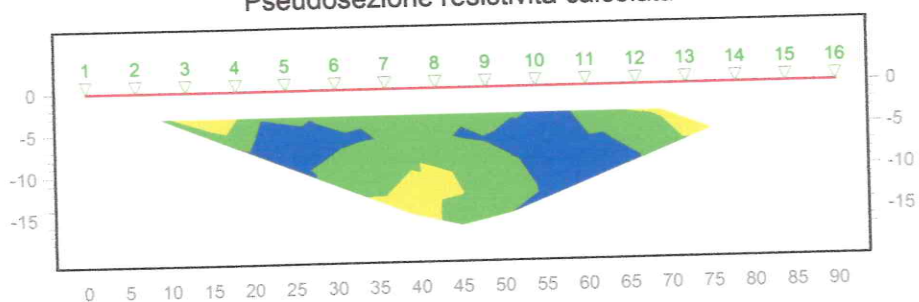
# STRADA MARE E MONTI TE01

## WENNER-SCHLUMBERGER

Pseudosezione resistività apparente



Pseudosezione resistività calcolata



## FOTO STENDIMENTO

TE 02	37°33.262'N	13°21.952'E	201,5 m
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METHODE=WENNER-SCHLUMBERGER TE02

a[m]=6.5

a	b	m	n	V/I[ohm]	V[V]	I[A]	R[ohm*m]	SP[V]	NV	NI
1	4	2	3	1.15e+00	3.052e-04	0.000265	4.702e+01	-0.003	9.85e-04	2.10e-03
2	5	3	4	1.35e-01	4.144e-02	0.306959	5.513e+00	-0.017	1.19e-03	3.01e-03
3	6	4	5	2.50e-01	7.653e-02	0.305510	1.023e+01	-0.226	1.53e-03	4.36e-03
4	7	5	6	1.74e-01	5.322e-02	0.306317	7.095e+00	-0.084	1.15e-03	3.33e-03
5	8	6	7	1.64e-01	5.032e-02	0.306678	6.702e+00	-0.085	1.02e-03	3.48e-03
6	9	7	8	1.29e-01	3.946e-02	0.306491	5.258e+00	-0.159	8.90e-04	2.89e-03
7	10	8	9	1.36e-01	4.179e-02	0.306658	5.565e+00	-0.034	1.03e-03	3.03e-03
8	11	9	10	1.26e-01	3.869e-02	0.306718	5.151e+00	-0.102	1.02e-03	3.83e-03
9	12	10	11	1.29e-01	3.960e-02	0.306200	5.282e+00	-0.096	7.44e-04	1.65e-03
10	13	11	12	1.59e-01	4.887e-02	0.307001	6.501e+00	-0.102	1.09e-03	3.00e-03
11	14	12	13	2.01e-01	6.150e-02	0.305850	8.212e+00	-0.163	1.02e-03	3.78e-03
12	15	13	14	2.89e+01	8.861e+00	0.306415	1.181e+03	-0.072	8.96e-03	1.74e-03
13	16	14	15	2.80e-01	8.597e-02	0.307429	1.142e+01	-0.121	1.14e-03	2.74e-03
14	17	15	16	3.03e-04	9.390e-05	0.310361	1.234e-02	-0.015	1.07e-03	3.03e-03
15	18	16	17	3.00e+01	9.231e+00	0.307535	1.226e+03	-0.086	7.58e-03	1.39e-03
16	19	17	18	5.66e-02	1.734e-02	0.306524	2.311e+00	-0.147	1.09e-03	3.43e-03
17	20	18	19	1.47e-01	4.531e-02	0.307257	6.023e+00	-0.039	1.02e-03	2.30e-03
18	21	19	20	1.68e-01	5.157e-02	0.307481	6.850e+00	0.023	9.81e-04	2.07e-03
19	22	20	21	2.12e-01	6.519e-02	0.307408	8.661e+00	0.051	9.95e-04	2.63e-03
20	23	21	22	3.06e-01	9.436e-02	0.307988	1.251e+01	-0.140	7.71e-04	2.17e-03
21	24	22	23	3.79e-01	1.169e-01	0.308431	1.548e+01	-0.066	1.20e-03	3.64e-03
22	25	23	24	1.86e-01	5.721e-02	0.307942	7.588e+00	-0.123	1.19e-03	2.74e-03
23	26	24	25	5.05e-01	1.559e-01	0.308599	2.063e+01	-0.093	1.32e-03	3.31e-03
24	27	25	26	6.65e-02	2.051e-02	0.308494	2.715e+00	-0.042	1.15e-03	1.98e-03
25	28	26	27	3.51e+03	3.510e-03	0.000001	1.433e+05	-0.080	6.81e-04	1.48e-03
26	29	27	28	4.40e-02	1.357e-02	0.308257	1.798e+00	0.005	9.44e-04	3.62e-03

27	30	28	29	2.49e+00	7.658e-01	0.308064	1.015e+02	1.329	1.90e-03	4.30e-03
28	31	29	30	3.52e+03	3.515e-03	0.000001	1.436e+05	-0.168	8.12e-04	1.85e-03
29	32	30	31	4.34e-02	1.345e-02	0.309882	1.772e+00	0.006	1.39e-03	2.68e-03
1	6	3	4	1.38e+02	7.905e-03	0.000057	1.697e+04	-0.126	8.72e-04	1.60e-03
2	7	4	5	6.41e-02	1.998e-02	0.311634	7.854e+00	-0.029	9.85e-04	3.26e-03
3	8	5	6	6.42e-02	1.983e-02	0.308870	7.866e+00	-0.030	1.58e-03	2.96e-03
4	9	6	7	4.88e-02	1.515e-02	0.310495	5.977e+00	-0.230	8.75e-04	1.95e-03
5	10	7	8	4.98e-02	1.536e-02	0.308686	6.096e+00	-0.129	1.19e-03	3.91e-03
6	11	8	9	4.92e-02	1.534e-02	0.312063	6.023e+00	0.029	1.33e-03	3.86e-03
7	12	9	10	4.86e-02	1.507e-02	0.309730	5.959e+00	-0.060	1.15e-03	3.96e-03
8	13	10	11	6.16e-02	1.917e-02	0.311311	7.544e+00	-0.064	1.09e-03	4.35e-03
9	14	11	12	1.22e-01	3.773e-02	0.309470	1.494e+01	-0.076	8.61e-04	2.15e-03
10	15	12	13	2.88e+01	8.932e+00	0.310237	3.528e+03	-0.140	9.45e-03	1.49e-03
11	16	13	14	1.74e-01	5.402e-02	0.310516	2.131e+01	0.060	9.41e-04	2.40e-03
12	17	14	15	8.10e-02	2.507e-02	0.309396	9.926e+00	-0.150	1.17e-03	3.78e-03
13	18	15	16	2.25e-03	6.984e-04	0.309957	2.771e-01	-0.015	1.05e-03	3.33e-03
14	19	16	17	4.59e-02	1.424e-02	0.309988	5.627e+00	-0.126	1.30e-03	2.40e-03
15	20	17	18	2.36e+01	7.317e+00	0.310044	2.891e+03	-0.025	8.19e-03	2.20e-03
16	21	18	19	8.50e-02	2.631e-02	0.309466	1.042e+01	-0.196	9.18e-04	2.86e-03
17	22	19	20	1.49e-02	4.625e-03	0.310242	1.826e+00	0.090	1.07e-03	3.40e-03
18	23	20	21	2.61e-02	8.105e-03	0.310966	3.206e+00	0.189	1.33e-03	3.04e-03
19	24	21	22	8.69e-03	2.694e-03	0.309923	1.065e+00	-0.084	1.18e-03	2.18e-03
20	25	22	23	1.79e-02	5.552e-03	0.310763	2.189e+00	-0.040	7.92e-04	1.67e-03
21	26	23	24	4.63e-02	1.431e-02	0.308869	5.676e+00	-0.081	9.93e-04	4.43e-03
22	27	24	25	3.17e-02	9.824e-03	0.309989	3.883e+00	-0.116	8.89e-04	2.63e-03
23	28	25	26	1.33e+02	8.979e-03	0.000068	1.626e+04	-0.123	8.60e-03	4.90e-04
24	29	26	27	2.19e-02	6.802e-03	0.310735	2.682e+00	-0.021	8.87e-04	2.93e-03
25	30	27	28	1.92e-02	5.957e-03	0.310478	2.351e+00	0.030	8.06e-04	2.49e-03
26	31	28	29	1.94e+05	2.030e+01	0.000105	2.379e+07	1.254	4.86e-02	4.17e-04
27	32	29	30	1.66e-02	5.153e-03	0.311035	2.030e+00	-0.126	7.51e-04	1.87e-03

1	8	4	5	1.32e+04	1.320e-02	0.000001	3.236e+06	-0.274	6.79e-03	2.39e-03
2	9	5	6	2.48e-02	7.735e-03	0.311487	6.085e+00	-0.027	8.31e-04	3.88e-03
3	10	6	7	3.26e-02	1.015e-02	0.311688	7.982e+00	-0.045	9.34e-04	2.29e-03
4	11	7	8	3.68e-02	1.141e-02	0.310490	9.009e+00	-0.040	1.16e-03	2.60e-03
5	12	8	9	2.96e-02	9.214e-03	0.311464	7.249e+00	-0.222	1.14e-03	3.73e-03
6	13	9	10	4.52e-02	1.407e-02	0.311157	1.108e+01	-0.058	8.84e-04	3.89e-03
7	14	10	11	1.07e-01	3.328e-02	0.312103	2.613e+01	-0.059	1.32e-03	3.56e-03
8	15	11	12	2.60e+01	8.070e+00	0.310713	6.365e+03	-0.131	7.81e-03	2.01e-03
9	16	12	13	1.86e-01	5.794e-02	0.311082	4.564e+01	0.054	9.76e-04	1.79e-03
10	17	13	14	5.55e-02	1.724e-02	0.310568	1.360e+01	-0.009	1.27e-03	3.07e-03
11	18	14	15	4.19e-02	1.298e-02	0.310051	1.026e+01	-0.112	7.70e-04	2.97e-03
12	19	15	16	3.30e-03	1.027e-03	0.310978	8.091e-01	-0.015	9.86e-04	2.66e-03
13	20	16	17	8.01e-03	2.482e-03	0.309955	1.962e+00	-0.164	1.04e-03	2.44e-03
14	21	17	18	7.84e-02	2.439e-02	0.311105	1.921e+01	0.013	1.25e-03	4.53e-03
15	22	18	19	3.30e+01	1.019e+01	0.309296	8.074e+03	-0.081	8.17e-03	3.31e-03
16	23	19	20	1.40e-01	4.330e-02	0.309448	3.429e+01	-0.013	9.30e-04	3.64e-03
17	24	20	21	3.05e-02	9.472e-03	0.310967	7.464e+00	0.128	1.02e-03	2.70e-03
18	25	21	22	2.77e-02	8.615e-03	0.310743	6.794e+00	-0.017	9.72e-04	1.74e-03
19	26	22	23	1.20e-02	3.715e-03	0.310108	2.935e+00	0.001	8.95e-04	2.28e-03
20	27	23	24	2.72e-03	8.451e-04	0.310662	6.665e-01	0.218	7.46e-04	3.08e-03
21	28	24	25	1.20e+02	1.111e-02	0.000092	2.944e+04	-0.080	5.45e-04	4.42e-04
22	29	25	26	8.97e-03	2.788e-03	0.310799	2.197e+00	0.095	1.11e-03	3.92e-03
23	30	26	27	3.18e-03	9.860e-04	0.310320	7.786e-01	0.063	1.10e-03	3.55e-03
24	31	27	28	8.40e+01	1.134e-02	0.000135	2.060e+04	0.047	1.77e-03	3.59e-04
25	32	28	29	3.33e+00	1.036e+00	0.311352	8.154e+02	3.079	3.09e-03	3.13e-03
1	10	5	6	6.28e+01	1.356e-02	0.000216	2.566e+04	-0.262	8.67e-03	1.83e-03
2	11	6	7	2.29e-02	7.148e-03	0.311664	9.367e+00	-0.048	1.11e-03	3.26e-03
3	12	7	8	3.50e-02	1.092e-02	0.312274	1.428e+01	-0.039	1.09e-03	3.56e-03
4	13	8	9	4.67e-02	1.458e-02	0.312246	1.907e+01	-0.032	1.17e-03	3.56e-03
5	14	9	10	1.19e-01	3.689e-02	0.310209	4.856e+01	-0.029	1.00e-03	3.86e-03



6	15	10	11	2.71e+01	8.453e+00	0.311693	1.108e+04	-0.424	1.12e-02	2.15e-03
7	16	11	12	1.75e-01	5.451e-02	0.311708	7.143e+01	0.082	1.02e-03	3.73e-03
8	17	12	13	5.70e-02	1.773e-02	0.311108	2.327e+01	-0.039	8.90e-04	2.93e-03
9	18	13	14	3.03e-02	9.413e-03	0.311041	1.236e+01	0.007	8.22e-04	1.78e-03
10	19	14	15	2.88e-02	8.985e-03	0.311487	1.178e+01	-0.081	1.07e-03	3.21e-03
11	20	15	16	1.20e-02	3.721e-03	0.310356	4.896e+00	-0.015	8.83e-04	1.93e-03
12	21	16	17	1.38e-02	4.308e-03	0.311349	5.645e+00	-0.179	1.39e-03	3.57e-03
13	22	17	18	2.38e-02	7.389e-03	0.310262	9.726e+00	0.018	1.08e-03	3.45e-03
14	23	18	19	9.09e-02	2.826e-02	0.311022	3.711e+01	-0.026	1.01e-03	2.60e-03
15	24	19	20	4.23e+01	1.319e+01	0.311907	1.727e+04	-0.284	1.59e-02	3.03e-03
16	25	20	21	1.24e-01	3.838e-02	0.310536	5.048e+01	0.017	9.02e-04	2.40e-03
17	26	21	22	5.70e-02	1.772e-02	0.310694	2.330e+01	0.010	1.25e-03	3.99e-03
18	27	22	23	3.00e-02	9.314e-03	0.310587	1.225e+01	0.045	1.24e-03	3.93e-03
19	28	23	24	7.58e+01	9.232e-03	0.000122	3.098e+04	-0.013	7.75e-04	3.84e-04
20	29	24	25	1.20e-02	3.744e-03	0.311854	4.904e+00	0.005	8.77e-04	2.83e-03
21	30	25	26	4.25e-03	1.320e-03	0.310689	1.734e+00	0.111	1.10e-03	2.37e-03
22	31	26	27	7.27e+01	9.818e-03	0.000135	2.970e+04	0.034	6.28e-04	3.57e-04
23	32	27	28	8.27e-03	2.576e-03	0.311686	3.376e+00	0.139	8.52e-04	2.05e-03
1	12	6	7	7.08e+01	1.482e-02	0.000209	4.337e+04	-0.120	6.83e-04	1.16e-03
2	13	7	8	4.56e-02	1.420e-02	0.311282	2.794e+01	-0.041	1.06e-03	2.63e-03
3	14	8	9	1.02e-01	3.177e-02	0.311460	6.248e+01	-0.032	1.08e-03	4.76e-03
4	15	9	10	2.48e+01	7.712e+00	0.311509	1.517e+04	-0.400	9.61e-03	1.93e-03
5	16	10	11	1.48e-01	4.621e-02	0.311860	9.078e+01	0.170	1.32e-03	3.40e-03
6	17	11	12	5.49e-02	1.711e-02	0.311502	3.364e+01	-0.020	9.72e-04	3.86e-03
7	18	12	13	3.08e-02	9.590e-03	0.311721	1.885e+01	-0.176	1.13e-03	4.06e-03
8	19	13	14	1.90e-02	5.933e-03	0.311799	1.166e+01	0.031	9.76e-04	2.55e-03
9	20	14	15	2.77e-02	8.633e-03	0.311670	1.697e+01	0.003	1.24e-03	2.18e-03
10	21	15	16	1.10e-03	3.404e-04	0.310096	6.729e-01	-0.015	1.16e-03	3.72e-03
11	22	16	17	3.82e-03	1.185e-03	0.310192	2.343e+00	-0.108	1.08e-03	3.64e-03
12	23	17	18	1.01e-02	3.157e-03	0.311558	6.208e+00	0.022	1.03e-03	3.50e-03

13	24	18	19	2.56e-02	7.976e-03	0.312002	1.566e+01	-0.084	7.70e-04	2.90e-03
14	25	19	20	1.65e-01	5.127e-02	0.311008	1.010e+02	0.047	9.69e-04	3.66e-03
15	26	20	21	2.82e+01	8.748e+00	0.310418	1.726e+04	-0.128	9.62e-03	2.05e-03
16	27	21	22	1.46e-01	4.562e-02	0.312284	8.950e+01	-0.159	1.30e-03	4.37e-03
17	28	22	23	7.20e+01	9.144e-03	0.000127	4.410e+04	0.047	8.11e-04	3.74e-04
18	29	23	24	3.07e-02	9.584e-03	0.312466	1.879e+01	-0.011	1.36e-03	3.24e-03
19	30	24	25	1.27e-02	3.961e-03	0.311437	7.792e+00	-0.039	1.24e-03	3.27e-03
20	31	25	26	3.77e+02	1.227e-02	0.000033	2.312e+05	0.125	9.75e-04	4.24e-04
21	32	26	27	5.13e-03	1.602e-03	0.312045	3.147e+00	0.316	1.13e-03	2.89e-03
1	14	7	8	3.05e+01	1.177e-02	0.000386	2.620e+04	-0.075	8.07e-04	1.25e-03
2	15	8	9	2.27e+01	7.069e+00	0.311746	1.945e+04	-0.370	1.04e-02	2.71e-03
3	16	9	10	1.33e-01	4.137e-02	0.310855	1.141e+02	0.168	1.24e-03	3.11e-03
4	17	10	11	5.20e-02	1.623e-02	0.312075	4.461e+01	-0.007	1.27e-03	3.40e-03
5	18	11	12	3.15e-02	9.783e-03	0.310820	2.700e+01	-0.042	1.51e-03	4.01e-03
6	19	12	13	2.78e-02	8.662e-03	0.312022	2.381e+01	-0.058	8.46e-04	2.16e-03
7	20	13	14	2.54e-02	7.923e-03	0.312101	2.177e+01	-0.011	9.88e-04	2.34e-03
8	21	14	15	1.10e-02	3.404e-03	0.310783	9.394e+00	-0.068	6.67e-04	3.14e-03
9	22	15	16	1.09e-03	3.404e-04	0.312567	9.344e-01	-0.018	1.06e-03	4.17e-03
10	23	16	17	1.16e-03	3.639e-04	0.312788	9.981e-01	-0.075	7.50e-04	3.49e-03
11	24	17	18	1.12e-02	3.492e-03	0.311572	9.612e+00	0.093	9.35e-04	2.79e-03
12	25	18	19	1.84e-02	5.728e-03	0.310943	1.580e+01	-0.023	9.71e-04	2.07e-03
13	26	19	20	5.17e-02	1.612e-02	0.311884	4.432e+01	-0.029	1.18e-03	4.86e-03
14	27	20	21	1.25e-01	3.863e-02	0.310240	1.068e+02	0.129	9.63e-04	3.28e-03
15	28	21	22	1.46e+02	1.111e-02	0.000076	1.253e+05	-0.168	7.57e-04	3.39e-04
16	29	22	23	9.80e-02	3.045e-02	0.310694	8.405e+01	0.014	1.27e-03	4.10e-03
17	30	23	24	3.10e-02	9.566e-03	0.308510	2.659e+01	-0.052	1.14e-03	4.33e-03
18	31	24	25	1.19e+02	1.158e-02	0.000097	1.024e+05	-0.030	6.54e-04	2.98e-04
19	32	25	26	1.23e-02	3.850e-03	0.312183	1.058e+01	-0.017	7.75e-04	1.93e-03
1	16	8	9	1.64e+02	1.361e-02	0.000083	1.874e+05	-0.115	5.34e-04	3.22e-04
2	17	9	10	4.06e-02	1.268e-02	0.312369	4.641e+01	-0.033	1.07e-03	2.94e-03

3	18	10	11	2.97e-02	9.279e-03	0.312701	3.393e+01	-0.034	9.57e-04	2.70e-03
4	19	11	12	2.67e-02	8.351e-03	0.312227	3.059e+01	-0.038	9.49e-04	3.46e-03
5	20	12	13	2.84e-02	8.879e-03	0.313174	3.242e+01	-0.056	7.18e-04	2.81e-03
6	21	13	14	8.33e-03	2.594e-03	0.311527	9.522e+00	-0.012	8.16e-04	3.41e-03
7	22	14	15	1.07e-02	3.316e-03	0.311112	1.219e+01	-0.076	9.67e-04	3.37e-03
8	23	15	16	2.74e-03	8.568e-04	0.312661	3.124e+00	-0.015	7.31e-04	2.79e-03
9	24	16	17	1.87e-05	5.869e-06	0.313061	2.137e-02	-0.015	9.75e-04	2.84e-03
10	25	17	18	1.13e-02	3.510e-03	0.311852	1.287e+01	-0.064	1.04e-03	2.76e-03
11	26	18	19	1.29e-02	4.008e-03	0.311144	1.473e+01	0.063	1.26e-03	4.23e-03
12	27	19	20	2.26e-02	7.054e-03	0.312275	2.583e+01	-0.042	1.30e-03	3.54e-03
13	28	20	21	7.07e+01	6.966e-03	0.000098	8.088e+04	0.068	7.39e-04	2.95e-04
14	29	21	22	9.42e-02	2.936e-02	0.311694	1.077e+02	-0.091	1.19e-03	3.64e-03
15	30	22	23	3.28e+01	1.021e+01	0.311142	3.753e+04	-0.008	8.28e-03	2.08e-03
16	31	23	24	5.64e+01	5.206e-03	0.000092	6.449e+04	-0.096	5.59e-04	3.06e-04
17	32	24	25	5.62e-02	1.755e-02	0.312036	6.431e+01	-0.028	1.17e-03	1.96e-03
1	18	9	10	4.82e+02	1.484e-02	0.000031	7.078e+05	-0.233	8.03e-04	4.26e-04
2	19	10	11	2.26e-02	7.066e-03	0.312638	3.323e+01	-0.028	7.02e-04	2.65e-03
3	20	11	12	2.85e-02	8.932e-03	0.313168	4.194e+01	-0.032	9.93e-04	2.13e-03
4	21	12	13	1.27e-02	3.973e-03	0.311802	1.873e+01	-0.081	7.59e-04	3.81e-03
5	22	13	14	3.95e-03	1.227e-03	0.310138	5.814e+00	-0.039	9.25e-04	3.22e-03
6	23	14	15	8.62e-03	2.676e-03	0.310598	1.267e+01	-0.070	8.61e-04	2.78e-03
7	24	15	16	6.41e-04	1.995e-04	0.311218	9.425e-01	-0.016	9.35e-04	3.12e-03
8	25	16	17	5.14e-03	1.596e-03	0.310401	7.560e+00	-0.045	1.11e-03	3.60e-03
9	26	17	18	2.76e-03	8.568e-04	0.310218	4.060e+00	0.046	8.21e-04	2.65e-03
10	27	18	19	1.51e-02	4.713e-03	0.313022	2.214e+01	-0.039	1.19e-03	3.58e-03
11	28	19	20	7.01e+01	1.270e-02	0.000181	1.031e+05	0.141	6.19e-04	1.11e-03
12	29	20	21	2.97e-02	9.279e-03	0.312096	4.371e+01	0.115	1.36e-03	4.58e-03
13	30	21	22	4.21e-02	1.308e-02	0.310491	6.194e+01	-0.054	1.20e-03	3.49e-03
14	31	22	23	1.64e+02	1.085e-02	0.000066	2.418e+05	0.271	6.82e-04	3.57e-04
15	32	23	24	3.13e+01	9.779e+00	0.312058	4.608e+04	-0.094	9.29e-03	3.71e-03



DATI DI INPUT TOMOGRAFIA ELETTRICA

STRADA MARE E MONTI TE02  
WENNER-SCHLUMBERGER

POSIZIONAMENTO ELETTRODI

N.	X	Z
1	0.0	0.0
2	6.5	0.0
3	13.0	0.0
4	19.5	0.0
5	26.0	0.0
6	32.5	0.0
7	39.0	0.0
8	45.5	0.0
9	52.0	0.0
10	58.5	0.0
11	65.0	0.0
12	71.5	0.0
13	78.0	0.0
14	84.5	0.0
15	91.0	0.0
16	97.5	0.0
17	104.0	0.0
18	110.5	0.0
19	117.0	0.3
20	123.5	0.6
21	130.0	0.9
22	136.5	1.2
23	143.0	1.5
24	149.5	1.8
25	156.0	2.1
26	162.5	2.4
27	169.0	2.7
28	175.5	3.0
29	182.0	3.3
30	188.5	3.6
31	195.0	3.9
32	201.5	4.2

CONDIZIONI INIZIALI

Resistività background omogeneo:	1323.39844074896
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# LETTURE

n°	A	B	M	N	V/I Lett.	V/I Inv.	Delta V/I	% Err.
1	2	5	3	4	0.13500	0.29418740	0.15918740	118
2	3	6	4	5	0.25000	0.35446890	0.10446890	42
3	4	7	5	6	0.17400	0.26414420	0.09014420	52
4	5	8	6	7	0.16400	0.21095140	0.04695140	29
5	6	9	7	8	0.12900	0.20635630	0.07735630	60
6	7	10	8	9	0.13600	0.22824510	0.09224510	68
7	8	11	9	10	0.12600	0.23866370	0.11266370	89
8	9	12	10	11	0.12900	0.28387460	0.15487460	120
9	10	13	11	12	0.15900	0.32894600	0.16994600	107
10	11	14	12	13	0.20100	0.31597120	0.11497120	57
11	13	16	14	15	0.28000	0.38395320	0.10395320	37
12	16	19	17	18	0.05660	0.37302560	0.31642560	559
13	17	20	18	19	0.14700	0.36272620	0.21572620	147
14	18	21	19	20	0.16800	0.33023680	0.16223680	97
15	19	22	20	21	0.21200	0.46068150	0.24868150	117
16	20	23	21	22	0.30600	0.53995230	0.23395230	76
17	21	24	22	23	0.37900	0.50056120	0.12156120	32
18	22	25	23	24	0.18600	0.48463460	0.29863460	161
19	23	26	24	25	0.50500	0.42692260	0.07807740	15
20	24	27	25	26	0.06650	0.30685370	0.24035370	361
21	26	29	27	28	0.04400	0.38806110	0.34406110	782
22	27	30	28	29	2.49000	0.95012330	1.53987670	62
23	29	32	30	31	0.04340	0.64029990	0.59689990	1375
24	2	7	4	5	0.06410	0.11845980	0.05435980	85
25	3	8	5	6	0.06420	0.12113180	0.05693180	89
26	4	9	6	7	0.04880	0.07486475	0.02606475	53
27	5	10	7	8	0.04980	0.07819882	0.02839882	57
28	6	11	8	9	0.04920	0.09343951	0.04423951	90
29	7	12	9	10	0.04860	0.08943625	0.04083625	84
30	8	13	10	11	0.06160	0.10766910	0.04606910	75
31	9	14	11	12	0.12200	0.12673250	0.00473250	4
32	11	16	13	14	0.17400	0.11286040	0.06113960	35
33	12	17	14	15	0.08100	0.09081332	0.00981332	12
34	14	19	16	17	0.04590	0.14052230	0.09462230	206
35	16	21	18	19	0.08500	0.10464290	0.01964290	23
36	17	22	19	20	0.01490	0.08503793	0.07013793	471
37	18	23	20	21	0.02610	0.12442740	0.09832740	377
38	19	24	21	22	0.00869	0.12281480	0.11412480	1313
39	20	25	22	23	0.01790	0.08882876	0.07092876	396
40	21	26	23	24	0.04630	0.11793490	0.07163490	155
41	22	27	24	25	0.03170	0.11338650	0.08168650	258
42	24	29	26	27	0.02190	0.11017140	0.08827140	403
43	25	30	27	28	0.01920	0.13556110	0.11636110	606
44	27	32	29	30	0.01660	0.12879950	0.11219950	676
45	2	9	5	6	0.02480	0.06470440	0.03990440	161
46	3	10	6	7	0.03260	0.05140763	0.01880763	58



47	4	11	7	8	0.03680	0.04817204	0.01137204	31
48	5	12	8	9	0.02960	0.05563410	0.02603410	88
49	6	13	9	10	0.04520	0.05585954	0.01065954	24
50	7	14	10	11	0.10700	0.06728650	0.03971350	37
51	9	16	12	13	0.18600	0.05893486	0.12706514	68
52	10	17	13	14	0.05550	0.05103848	0.00446152	8
53	11	18	14	15	0.04190	0.04666602	0.00476602	11
54	14	21	17	18	0.07840	0.04712404	0.03127596	40
55	16	23	19	20	0.14000	0.03893438	0.10106562	72
56	17	24	20	21	0.03050	0.06095079	0.03045079	100
57	18	25	21	22	0.02770	0.05981393	0.03211393	116
58	19	26	22	23	0.01200	0.04795987	0.03595987	300
59	25	32	28	29	3.33000	0.17731650	3.15268350	95
60	2	11	6	7	0.02290	0.03182074	0.00892074	39
61	3	12	7	8	0.03500	0.03506102	0.00006102	0
62	4	13	8	9	0.04670	0.03918809	0.00751191	16
63	5	14	9	10	0.11900	0.04077779	0.07822221	66
64	7	16	11	12	0.17500	0.05456409	0.12043591	69
65	8	17	12	13	0.05700	0.03797611	0.01902389	33
66	9	18	13	14	0.03030	0.03442035	0.00412035	14
67	10	19	14	15	0.02880	0.03088393	0.00208393	7
68	11	20	15	16	0.01200	0.07003041	0.05803041	484
69	12	21	16	17	0.01380	0.05593995	0.04213995	305
70	13	22	17	18	0.02380	0.03003933	0.00623933	26
71	14	23	18	19	0.09090	0.02593099	0.06496901	71
72	16	25	20	21	0.12400	0.03805830	0.08594170	69
73	17	26	21	22	0.05700	0.04476010	0.01223990	21
74	18	27	22	23	0.03000	0.03497721	0.00497721	17
75	20	29	24	25	0.01200	0.02987970	0.01787970	149
76	2	13	7	8	0.04560	0.02317046	0.02242954	49
77	3	14	8	9	0.10200	0.03158405	0.07041595	69
78	5	16	10	11	0.14800	0.03868090	0.10931910	74
79	6	17	11	12	0.05490	0.04197595	0.01292405	24
80	7	18	12	13	0.03080	0.03015461	0.00064539	2
81	8	19	13	14	0.01900	0.02623368	0.00723368	38
82	9	20	14	15	0.02770	0.02421553	0.00348447	13
83	12	23	17	18	0.01010	0.02353164	0.01343164	133
84	13	24	18	19	0.02560	0.01973128	0.00586872	23
85	14	25	19	20	0.16500	0.01571028	0.14928972	90
86	16	27	21	22	0.14600	0.03440856	0.11159144	76
87	18	29	23	24	0.03070	0.02783536	0.00286464	9
88	19	30	24	25	0.01270	0.02447061	0.01177061	93
89	3	16	9	10	0.13300	0.02566670	0.10733330	81
90	4	17	10	11	0.05200	0.03006549	0.02193451	42
91	5	18	11	12	0.03150	0.03501778	0.00351778	11
92	6	19	12	13	0.02780	0.02577317	0.00202683	7
93	7	20	13	14	0.02540	0.02231666	0.00308334	12
94	8	21	14	15	0.01100	0.01940258	0.00840258	76



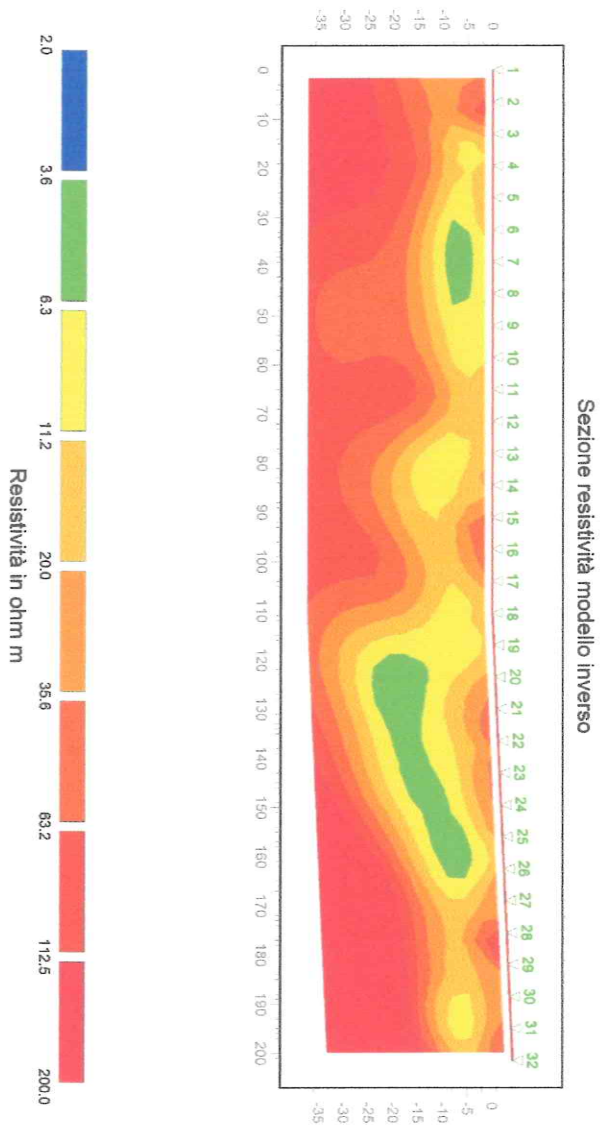
95	11	24	17	18	0.01120	0.01878931	0.00758931	68
96	12	25	18	19	0.01840	0.01658448	0.00181552	10
97	13	26	19	20	0.05170	0.01349806	0.03820194	74
98	14	27	20	21	0.12500	0.02313210	0.10186790	81
99	16	29	22	23	0.09800	0.02075123	0.07724877	79
100	17	30	23	24	0.03100	0.02406980	0.00693020	22
101	19	32	25	26	0.01230	0.01480897	0.00250897	20
102	2	17	9	10	0.04060	0.01797691	0.02262309	56
103	3	18	10	11	0.02970	0.02606287	0.00363713	12
104	4	19	11	12	0.02670	0.02982424	0.00312424	12
105	5	20	12	13	0.02840	0.02253499	0.00586501	21
106	7	22	14	15	0.01070	0.01647621	0.00577621	54
107	10	25	17	18	0.01130	0.01590207	0.00460207	41
108	11	26	18	19	0.01290	0.01418823	0.00128823	10
109	12	27	19	20	0.02260	0.01184482	0.01075518	48
110	14	29	21	22	0.09420	0.02092879	0.07327121	78
111	17	32	24	25	0.05620	0.01842224	0.03777776	67
112	2	19	10	11	0.02260	0.01986345	0.00273655	12
113	3	20	11	12	0.02850	0.02693999	0.00156001	5
114	4	21	12	13	0.01270	0.01945857	0.00675857	53
115	10	27	18	19	0.01510	0.01234669	0.00275331	18
116	12	29	20	21	0.02970	0.01642595	0.01327405	45
117	13	30	21	22	0.04210	0.01863294	0.02346706	56

#### LETTURE SCARTATE PER ECCESSIVO RUMORE

A	B	M	N	V/I
1	4	2	3	1.1500000
14	17	15	16	0.0003030
25	28	26	27	3510.0000000
28	31	29	30	3520.0000000
1	6	3	4	138.0000000
13	18	15	16	0.0022500
23	28	25	26	133.0000000
26	31	28	29	194000.0000000
1	8	4	5	13200.0000000
21	28	24	25	120.0000000
23	30	26	27	0.0031800
24	31	27	28	84.0000000
1	10	5	6	62.8000000
19	28	23	24	75.8000000
22	31	26	27	72.7000000
1	12	6	7	70.8000000
10	21	15	16	0.0011000
17	28	22	23	72.0000000
20	31	25	26	377.0000000
1	14	7	8	30.5000000
9	22	15	16	0.0010900
10	23	16	17	0.0011600

15	28	21	22	146.0000000
18	31	24	25	119.0000000
1	16	8	9	164.0000000
9	24	16	17	0.0000187
13	28	20	21	70.7000000
16	31	23	24	56.4000000
1	18	9	10	482.0000000
7	24	15	16	0.0006410
11	28	19	20	70.1000000
14	31	22	23	164.0000000

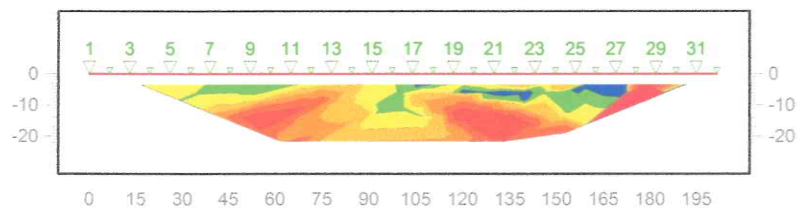
**STRADA MARE E MONTI TE02**  
**METHODE=WENNER-SCHLUMBERGER**



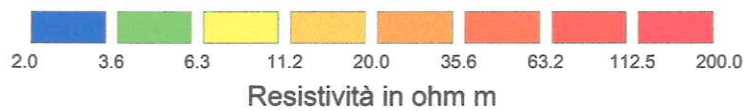
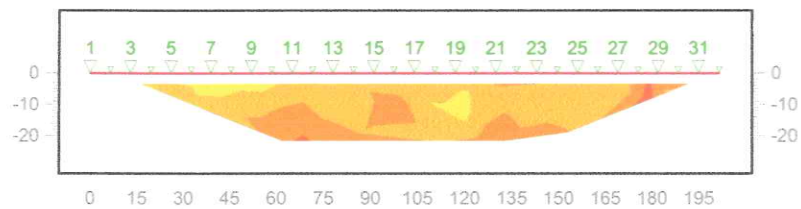
## STRADA MARE E MONTI TE02

METHODE=WENNER-SCHLUMBERGER

Pseudosezione resistività apparente



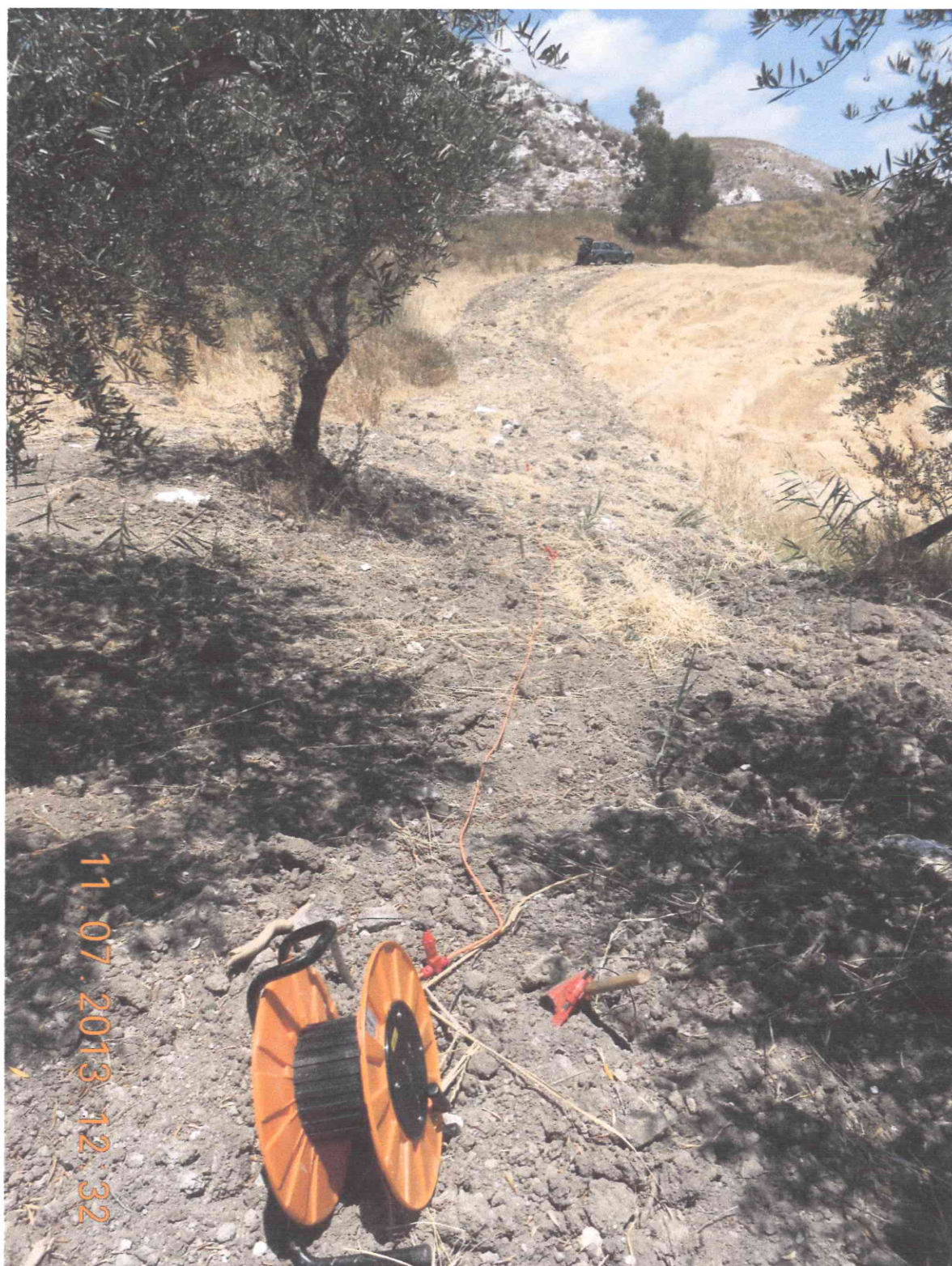
Pseudosezione resistività calcolata





## FOTO STENDIMENTO

TE03	37°33.338'N	13°22.097'E	90
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METHODE=WENNER-SCHLUMBERGER TE03

a[m]=6.0

a	b	m	n	V/I[ohm]	V[V]	I[A]	R[ohm*m]	SP[V]	NV	NI
1	4	2	3	2.66e-01	8.199e-02	0.308758	1.000e+01	-0.023	1.18e-03	3.13e-03
2	5	3	4	1.33e-01	4.130e-02	0.309418	5.000e+00	-0.526	9.62e-04	2.01e-03
3	6	4	5	2.38e-01	7.380e-02	0.310592	8.948e+00	-0.004	1.05e-03	1.26e-03
4	7	5	6	1.96e-01	6.107e-02	0.311442	7.369e+00	-0.111	9.13e-04	1.35e-03
5	8	6	7	3.53e-01	1.100e-01	0.311927	1.327e+01	-0.250	1.30e-03	3.35e-03
6	9	7	8	4.84e-01	1.507e-01	0.311384	1.819e+01	-0.092	8.54e-04	2.97e-03
7	10	8	9	6.78e-01	2.107e-01	0.310876	2.549e+01	-0.101	9.40e-04	3.51e-03
8	11	9	10	9.58e-01	2.988e-01	0.311974	3.602e+01	-0.087	9.34e-04	1.89e-03
9	12	10	11	1.55e+00	4.835e-01	0.311503	5.828e+01	-0.114	9.06e-04	3.10e-03
10	13	11	12	1.01e+00	3.141e-01	0.310785	3.797e+01	-0.078	1.01e-03	2.91e-03
11	14	12	13	1.84e+00	2.439e-01	0.132696	6.918e+01	-0.177	9.01e-04	3.29e-04
12	15	13	14	5.94e+03	5.939e-03	0.000001	err	-0.222	8.89e-04	9.45e-05
13	16	14	15	5.38e+00	1.680e+00	0.312452	err	-2.282	3.71e-03	2.48e-03
1	6	3	4	6.79e-02	2.117e-02	0.311646	7.672e+00	-0.011	9.69e-04	3.21e-03
2	7	4	5	7.97e-02	2.492e-02	0.312697	8.927e+00	0.120	9.66e-04	1.22e-03
3	8	5	6	7.16e-02	2.149e-02	0.300097	1.310e+01	-0.529	8.17e-04	1.31e-02
4	9	6	7	1.16e-01	3.646e-02	0.313313	1.310e+01	-0.184	1.06e-03	1.60e-03
5	10	7	8	1.89e-01	5.896e-02	0.312692	2.135e+01	-0.062	8.13e-04	2.68e-03
6	11	8	9	2.57e-01	8.036e-02	0.312193	2.904e+01	-0.035	8.09e-04	2.68e-03
7	12	9	10	2.36e-01	7.372e-02	0.313015	2.666e+01	-0.026	9.06e-04	1.52e-03
8	13	10	11	2.24e-01	7.013e-02	0.313427	2.513e+01	-0.085	8.76e-04	1.93e-03
9	14	11	12	3.77e-01	5.038e-02	0.133603	4.260e+01	-0.112	9.55e-04	2.53e-04
10	15	12	13	4.62e+03	4.625e-03	0.000001	err	-0.052	7.32e-04	5.43e-05
11	16	13	14	1.62e-01	5.075e-02	0.313097	1.830e+01	-0.279	8.15e-04	2.64e-03
1	8	4	5	5.95e-02	1.870e-02	0.314080	1.344e+01	0.135	8.27e-04	2.59e-03
2	9	5	6	3.95e-02	1.236e-02	0.313250	8.927e+00	-0.022	7.97e-04	1.29e-03
3	10	6	7	4.86e-02	1.526e-02	0.313868	1.098e+01	-0.123	1.00e-03	8.76e-04



4	11	7	8	7.98e-02	2.505e-02	0.313929	1.803e+01	-0.487	1.20e-03	1.51e-03
5	12	8	9	1.10e-01	3.451e-02	0.312981	2.486e+01	-0.051	1.05e-03	3.27e-03
6	13	9	10	5.60e-02	1.755e-02	0.313684	1.265e+01	-0.099	7.68e-04	1.46e-03
7	14	10	11	1.49e-01	1.899e-02	0.127156	3.367e+01	0.092	7.85e-04	2.84e-04
8	15	11	12	1.10e+04	1.100e-02	0.000001	err	-0.164	6.03e-04	5.23e-05
9	16	12	13	1.22e-01	3.821e-02	0.313640	2.572e+01	-0.113	8.79e-04	2.50e-03
1	10	5	6	3.45e-02	1.079e-02	0.313080	1.300e+01	0.011	9.06e-04	2.13e-03
2	11	6	7	2.41e-02	7.571e-03	0.313892	9.061e+00	-0.138	6.70e-04	1.69e-03
3	12	7	8	3.21e-02	9.666e-03	0.301476	1.210e+01	-0.389	9.38e-04	1.34e-02
4	13	8	9	4.65e-02	1.462e-02	0.314593	1.753e+01	0.436	9.56e-04	1.94e-03
5	14	9	10	7.28e-02	9.948e-03	0.136733	2.744e+01	-0.654	8.58e-04	1.89e-04
6	15	10	11	4.70e+02	1.075e-02	err	err	0.012	7.48e-04	4.01e-05
7	16	11	12	3.95e-02	1.239e-02	0.313819	1.489e+01	-0.079	1.03e-03	3.05e-03
1	7	3	5	1.20e-01	3.745e-02	0.313138	9.503e+00	0.141	7.66e-04	3.07e-03
2	8	4	6	1.44e-01	4.534e-02	0.315384	1.080e+01	0.063	7.32e-04	2.50e-04
3	9	5	7	1.35e-01	4.162e-02	0.308123	1.012e+01	-0.719	5.64e-04	7.43e-03
4	10	6	8	2.37e-01	7.478e-02	0.315501	1.777e+01	-0.747	7.88e-04	1.66e-03
5	11	7	9	3.39e-01	1.064e-01	0.313993	2.542e+01	-0.069	8.91e-04	2.26e-03
6	12	8	10	3.36e-01	1.059e-01	0.315192	2.522e+01	-0.069	8.73e-04	1.29e-03
7	13	9	11	2.41e-01	7.621e-02	0.315732	1.807e+01	-0.191	6.75e-04	2.24e-03
8	14	10	12	4.29e-01	5.382e-02	0.125448	3.217e+01	-0.060	8.00e-04	4.27e-04
9	15	11	13	2.93e+02	7.600e-03	0.000026	err	-0.176	8.40e-04	2.79e-05
10	16	12	14	3.67e-01	1.154e-01	0.314402	2.752e+01	-0.247	1.12e-03	2.81e-03
1	11	5	7	5.72e-02	1.793e-02	0.313446	8.156e+00	-0.162	1.09e-03	2.50e-03
2	12	6	8	6.18e-02	1.950e-02	0.315627	2.329e+01	-0.132	8.04e-04	2.42e-04
3	13	7	9	4.46e-02	1.335e-02	0.299545	1.680e+01	-0.355	9.13e-04	1.61e-02
4	14	8	10	1.23e-01	1.538e-02	0.125097	4.636e+01	0.094	5.77e-04	1.83e-03
5	15	9	11	2.10e+02	9.672e-03	0.000046	err	-0.224	6.31e-04	3.44e-05
6	16	10	12	4.71e-02	1.489e-02	0.316134	1.776e+01	-0.643	1.06e-03	1.31e-03
1	15	7	9	2.96e+02	1.162e-02	err	err	-0.345	7.72e-04	3.71e-05



2	16	8	10	3.94e-03	1.244e-03	0.315783	2.971e-01	-0.178	7.10e-04	1.87e-04
1	10	4	7	1.07e-01	3.366e-02	0.313420	2.024e+01	-0.054	9.62e-04	1.58e-03
2	11	5	8	1.40e-01	4.427e-02	0.315735	2.643e+01	-0.143	7.79e-04	2.50e-04
3	12	6	9	1.47e-01	4.151e-02	0.283275	2.762e+01	-0.496	8.61e-04	2.72e-02
4	13	7	10	9.69e-02	3.061e-02	0.315813	1.827e+01	-0.403	8.22e-04	6.45e-04
5	14	8	11	2.29e-01	3.126e-02	0.136735	4.298e+01	-0.299	9.26e-04	1.43e-04
6	15	9	12	9.80e+03	9.801e-03	err	1.847e+05	-0.339	8.55e-04	7.52e-04
7	16	10	13	1.40e-01	4.410e-02	0.315590	2.634e+01	-0.317	7.88e-04	1.14e-03
1	16	7	10	2.38e-02	7.494e-03	0.314745	9.345e+00	-0.303	7.61e-04	1.99e-03
1	13	5	9	7.88e-02	2.486e-02	0.315414	1.081e+01	-0.457	1.22e-03	3.34e-03
2	14	6	10	1.20e-01	1.455e-02	0.121445	1.012e+01	-0.458	9.87e-04	3.17e-04
3	15	7	11	1.16e+04	1.156e-02	0.000001	err	-0.506	9.18e-04	8.25e-04
4	16	8	12	6.63e-02	2.094e-02	0.315866	9.966e+00	-0.444	1.08e-03	5.26e-04

DATI DI INPUT TOMOGRAFIA ELETTRICA  
STRADA MARE E MONTI TE03  
WENNER-SCHLUMBERGER  
POSIZIONAMENTO ELETTRODI

N.	X	Z
1	0	0.0
2	6	0.2
3	12	0.4
4	18	0.6
5	24	0.8
6	30	1.0
7	36	1.2
8	42	1.4
9	48	1.6
10	54	1.8
11	60	2.0
12	66	2.2
13	72	2.4
14	78	2.6
15	84	2.8
16	90	3.0

CONDIZIONI INIZIALI

Resistività background omogeneo:	485.944683665114
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LETTURE

n°	A	B	M	N	V/I Lett.	V/I Inv.	Delta V/I	% Err.
1	1	4	2	3	0.2660	0.61643060	0.35043060	132
2	2	5	3	4	0.1330	0.57881850	0.44581850	335
3	3	6	4	5	0.2380	0.51016800	0.27216800	114
4	4	7	5	6	0.1960	0.45602440	0.26002440	133
5	5	8	6	7	0.3530	0.50233990	0.14933990	42
6	6	9	7	8	0.4840	0.62709920	0.14309920	30
7	7	10	8	9	0.6780	0.82765700	0.14965700	22
8	8	11	9	10	0.9580	0.98258690	0.02458690	3
9	9	12	10	11	1.5500	1.42097700	0.12902300	8
10	10	13	11	12	1.0100	1.24094100	0.23094100	23
11	11	14	12	13	1.8400	2.29919400	0.45919400	25
12	1	6	3	4	0.0679	0.17291290	0.10501290	155
13	2	7	4	5	0.0797	0.16364020	0.08394020	105
14	3	8	5	6	0.0716	0.14898660	0.07738660	108
15	4	9	6	7	0.1160	0.14683060	0.03083060	27
16	5	10	7	8	0.1890	0.18372880	0.00527120	3
17	6	11	8	9	0.2570	0.22088930	0.03611070	14
18	7	12	9	10	0.2360	0.24357400	0.00757400	3
19	8	13	10	11	0.2240	0.27155460	0.04755460	21
20	9	14	11	12	0.3770	0.37605060	0.00094940	0
21	11	16	13	14	0.1620	0.20876130	0.04676130	29
22	1	8	4	5	0.0595	0.08253131	0.02303131	39
23	2	9	5	6	0.0395	0.07797042	0.03847042	97
24	3	10	6	7	0.0486	0.08028355	0.03168355	65
25	4	11	7	8	0.0798	0.09416056	0.01436056	18
26	5	12	8	9	0.1100	0.11251210	0.00251210	2
27	6	13	9	10	0.0560	0.10215480	0.04615480	82
28	7	14	10	11	0.1490	0.15061170	0.00161170	1
29	9	16	12	13	0.1220	0.14538300	0.02338300	19
30	1	10	5	6	0.0345	0.04790537	0.01340537	39
31	2	11	6	7	0.0241	0.05102912	0.02692912	112
32	3	12	7	8	0.0321	0.06200827	0.02990827	93
33	4	13	8	9	0.0465	0.06821261	0.02171261	47
34	5	14	9	10	0.0728	0.07628888	0.00348888	5
35	7	16	11	12	0.0395	0.05575023	0.01625023	41
36	1	7	3	5	0.1200	0.25538230	0.13538230	113
37	2	8	4	6	0.1440	0.24197680	0.09797680	68
38	3	9	5	7	0.1350	0.23259410	0.09759410	72
39	4	10	6	8	0.2370	0.26407440	0.02707440	11
40	5	11	7	9	0.3390	0.31468370	0.02431630	7
41	6	12	8	10	0.3360	0.35276210	0.01676210	5
42	7	13	9	11	0.2410	0.35062630	0.10962630	45
43	8	14	10	12	0.4290	0.50821950	0.07921950	18
44	10	16	12	14	0.3670	0.39770360	0.03070360	8
45	1	11	5	7	0.0572	0.08250084	0.02530084	44
46	2	12	6	8	0.0618	0.09778094	0.03598094	58

47	3	13	7	9	0.0446	0.11161680	0.06701680	150
48	4	14	8	10	0.1230	0.13225900	0.00925900	8
49	6	16	10	12	0.0471	0.09594791	0.04884791	104
50	1	10	4	7	0.1070	0.16603290	0.05903290	55
51	2	11	5	8	0.1400	0.18444750	0.04444750	32
52	3	12	6	9	0.1470	0.21495440	0.06795440	46
53	4	13	7	10	0.0969	0.21756890	0.12066890	125
54	5	14	8	11	0.2290	0.28186990	0.05286990	23
55	7	16	10	13	0.1400	0.21827680	0.07827680	56
56	1	16	7	10	0.0238	0.05412747	0.03032747	127
57	1	13	5	9	0.0788	0.14885520	0.07005520	89
58	2	14	6	10	0.1200	0.18801810	0.06801810	57
59	4	16	8	12	0.0663	0.14686480	0.08056480	122

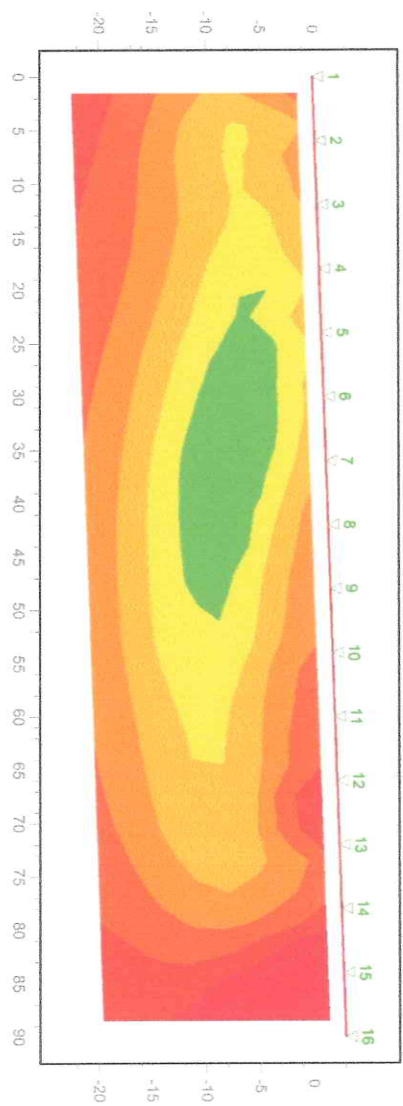
LETTURE SCARTATE PER ECCESSIVO RUMORE

A	B	M	N	V/I
12	15	13	14	5940
10	15	12	13	4620
8	15	11	12	11000
6	15	10	11	470
9	15	11	13	293
6	15	9	12	9800
3	15	7	11	11600



# **STRADA MARE E MONTI TE03** **WENNER-SCHLUMBERGER**

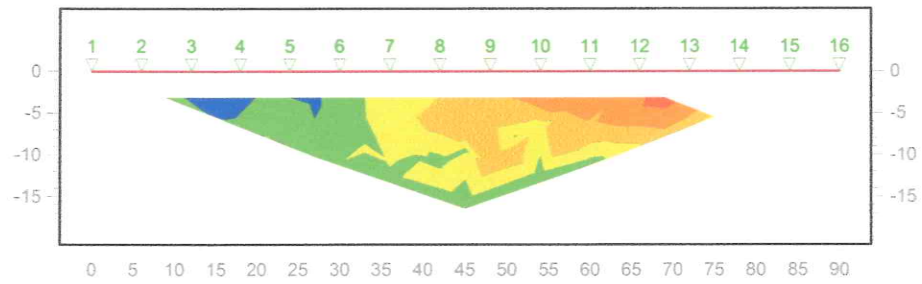
Sezione resistività modello inverso



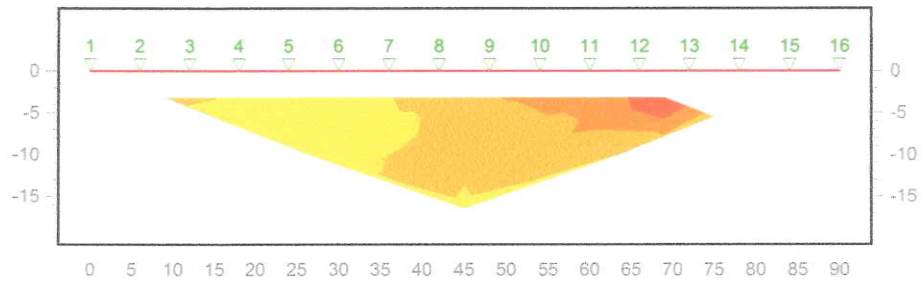
# STRADA MARE E MONTI TE03

## WENNER-SCHLUMBERGER

Pseudosezione resistività apparente



Pseudosezione resistività calcolata





## FOTO STENDIMENTO

TE04	37°34.105'N	13°22.680'E	90 m
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METHODE=WENNER-SCHLUMBERGER TE04

a[m]=6.0

a	b	m	n	V/I[ohm]	V[V]	I[A]	R[ohm*m]	SP[V]	NV	NI
1	4	2	3	3.36e-01	1.041e-01	0.309958	1.055e+01	-0.020	9.83e-04	2.88e-03
2	5	3	4	2.17e-01	6.754e-02	0.311632	6.809e+00	-0.367	1.31e-03	3.42e-03
3	6	4	5	1.86e-01	5.789e-02	0.311029	5.847e+00	-0.170	1.16e-03	3.00e-03
4	7	5	6	1.68e-01	5.218e-02	0.311491	5.263e+00	-0.112	8.86e-04	2.93e-03
5	8	6	7	1.74e-01	5.428e-02	0.312659	5.454e+00	-0.125	7.82e-04	2.91e-03
6	9	7	8	1.88e-01	5.838e-02	0.310871	5.900e+00	-0.014	1.19e-03	2.80e-03
7	10	8	9	2.00e-01	6.220e-02	0.311181	6.280e+00	-0.278	9.73e-04	2.78e-03
8	11	9	10	2.14e-01	6.632e-02	0.310440	6.711e+00	-0.065	9.15e-04	2.77e-03
9	12	10	11	1.94e-01	6.007e-02	0.310393	6.080e+00	-0.149	1.26e-03	2.53e-03
10	13	11	12	1.79e-01	5.572e-02	0.311281	5.623e+00	-0.093	7.86e-04	2.69e-03
11	14	12	13	1.44e-01	4.486e-02	0.311029	4.531e+00	-0.180	1.37e-03	2.60e-03
12	15	13	14	1.17e+02	3.641e+01	0.310899	3.679e+03	-1.249	7.38e-03	2.16e-03
13	16	14	15	1.93e+00	6.015e-01	0.311352	6.069e+01	-0.605	1.69e-03	2.49e-03
1	6	3	4	9.45e-02	2.938e-02	0.310886	8.908e+00	-0.038	1.13e-03	3.07e-03
2	7	4	5	8.83e-02	2.749e-02	0.311415	8.319e+00	0.026	1.37e-03	2.63e-03
3	8	5	6	4.71e-02	1.462e-02	0.310383	4.439e+00	-0.442	1.10e-03	2.81e-03
4	9	6	7	5.48e-02	1.706e-02	0.311489	5.162e+00	-0.053	1.02e-03	2.81e-03
5	10	7	8	5.84e-02	1.818e-02	0.311479	5.500e+00	-0.036	8.26e-04	2.71e-03
6	11	8	9	5.46e-02	1.698e-02	0.310984	5.147e+00	-0.148	1.10e-03	2.14e-03
7	12	9	10	5.32e-02	1.656e-02	0.311391	5.011e+00	-0.060	9.03e-04	2.40e-03
8	13	10	11	6.05e-02	1.885e-02	0.311824	5.697e+00	-0.106	1.19e-03	2.61e-03
9	14	11	12	4.92e-02	1.538e-02	0.312308	4.640e+00	-0.010	1.24e-03	2.74e-03
10	15	12	13	8.53e+01	2.657e+01	0.311493	8.040e+03	-0.829	9.47e-03	2.41e-03
11	16	13	14	6.48e-02	2.011e-02	0.310571	6.103e+00	0.081	1.00e-03	2.52e-03
1	8	4	5	4.69e-02	1.463e-02	0.311719	8.847e+00	0.030	1.25e-03	2.20e-03
2	9	5	6	3.95e-02	1.231e-02	0.311595	7.445e+00	-0.001	1.24e-03	2.11e-03
3	10	6	7	2.89e-02	9.003e-03	0.311469	5.448e+00	-0.025	1.30e-03	3.36e-03

4	11	7	8	1.43e-02	4.478e-03	0.312173	2.704e+00	-0.371	1.02e-03	2.59e-03
5	12	8	9	2.62e-02	8.181e-03	0.311782	4.946e+00	-0.119	1.01e-03	2.73e-03
6	13	9	10	2.06e-02	6.438e-03	0.311945	3.890e+00	-0.026	1.08e-03	2.07e-03
7	14	10	11	2.81e-02	8.768e-03	0.312388	5.291e+00	-0.105	9.74e-04	1.85e-03
8	15	11	12	1.03e+02	3.211e+01	0.311843	1.941e+04	-1.191	8.02e-03	2.46e-03
9	16	12	13	4.48e-02	1.395e-02	0.311666	8.437e+00	0.100	1.15e-03	2.54e-03
1	10	5	6	2.66e-02	8.293e-03	0.311587	8.361e+00	0.054	9.44e-04	2.60e-03
2	11	6	7	1.94e-02	6.045e-03	0.312198	6.083e+00	-0.021	9.30e-04	3.07e-03
3	12	7	8	1.55e-02	4.830e-03	0.311744	4.867e+00	-0.010	9.79e-04	2.66e-03
4	13	8	9	1.48e-02	4.601e-03	0.311269	4.644e+00	0.003	8.85e-04	2.24e-03
5	14	9	10	2.62e-03	8.158e-04	0.311833	8.218e-01	-0.641	9.82e-04	2.01e-03
6	15	10	11	6.54e+01	2.043e+01	0.312100	2.056e+04	-0.164	8.71e-03	2.20e-03
7	16	11	12	4.92e-02	1.532e-02	0.311560	1.545e+01	0.178	1.07e-03	2.50e-03
1	12	6	7	2.79e-02	8.703e-03	0.311497	1.317e+01	0.021	1.07e-03	1.60e-03
2	13	7	8	9.78e-04	3.052e-04	0.312146	4.607e-01	-0.179	9.54e-04	2.69e-03
3	14	8	9	9.24e-03	2.882e-03	0.311970	4.353e+00	-0.015	1.00e-03	3.66e-03
4	15	9	10	1.07e+02	3.341e+01	0.312356	5.040e+04	-0.944	9.15e-03	2.31e-03
5	16	10	11	4.87e-02	1.521e-02	0.312418	2.294e+01	0.189	8.22e-04	2.87e-03
1	7	3	5	1.69e-01	5.284e-02	0.312260	1.063e+01	0.136	1.19e-03	2.56e-03
2	8	4	6	1.20e-01	3.751e-02	0.312366	7.545e+00	-0.012	8.68e-04	3.03e-03
3	9	5	7	6.43e-02	2.004e-02	0.311679	4.040e+00	-0.610	1.18e-03	2.54e-03
4	10	6	8	6.56e-02	2.045e-02	0.311703	4.123e+00	-0.622	1.16e-03	2.87e-03
5	11	7	9	7.92e-02	2.472e-02	0.312149	4.976e+00	-0.217	1.11e-03	3.14e-03
6	12	8	10	7.31e-02	2.285e-02	0.312569	4.594e+00	-0.268	9.32e-04	2.95e-03
7	13	9	11	7.77e-02	2.427e-02	0.312272	4.883e+00	-0.251	7.29e-04	2.21e-03
8	14	10	12	7.78e-02	2.427e-02	0.312155	4.886e+00	-0.115	1.17e-03	2.49e-03
9	15	11	13	8.60e+01	2.674e+01	0.311022	5.402e+03	-0.664	1.16e-02	2.21e-03
10	16	12	14	5.84e-02	1.826e-02	0.312554	3.671e+00	-0.088	8.84e-04	1.89e-03
1	11	5	7	3.80e-02	1.187e-02	0.312373	7.161e+00	0.007	1.02e-03	2.37e-03
2	12	6	8	3.48e-02	1.085e-02	0.311842	6.556e+00	-0.031	8.54e-04	1.79e-03

3	13	7	9	2.67e-02	8.322e-03	0.311330	5.039e+00	0.018	1.12e-03	2.85e-03
4	14	8	10	2.71e-02	8.451e-03	0.311720	5.110e+00	0.012	1.17e-03	2.90e-03
5	15	9	11	6.56e+01	2.049e+01	0.312333	1.236e+04	-0.750	1.29e-02	3.85e-03
6	16	10	12	1.07e-02	3.339e-03	0.312180	2.016e+00	-0.696	1.08e-03	2.90e-03
1	15	7	9	1.21e+02	3.789e+01	0.312243	4.575e+04	-2.972	1.68e-02	2.77e-03
2	16	8	10	1.58e-02	4.936e-03	0.312118	5.961e+00	-0.012	1.12e-03	1.89e-03
1	10	4	7	8.36e-02	2.604e-02	0.311351	7.882e+00	-0.045	7.41e-04	2.81e-03
2	11	5	8	6.60e-02	2.066e-02	0.312784	6.225e+00	-0.092	1.10e-03	2.95e-03
3	12	6	9	3.74e-02	1.170e-02	0.312809	3.524e+00	-0.616	1.36e-03	2.82e-03
4	13	7	10	3.40e-02	1.059e-02	0.311643	3.202e+00	-0.540	1.37e-03	3.16e-03
5	14	8	11	4.19e-02	1.307e-02	0.311765	3.951e+00	-0.696	8.14e-04	2.25e-03
6	15	9	12	1.04e+02	3.234e+01	0.312085	9.765e+03	-1.280	1.24e-02	2.97e-03
7	16	10	13	3.91e-02	1.216e-02	0.311319	3.681e+00	-0.246	1.04e-03	2.35e-03
1	16	7	10	1.52e-02	4.771e-03	0.313133	4.308e+00	-0.687	1.04e-03	1.89e-03
1	13	5	9	4.02e-02	1.256e-02	0.312309	5.053e+00	-0.476	8.40e-04	2.37e-03
2	14	6	10	3.85e-02	1.202e-02	0.311898	4.843e+00	-0.564	9.20e-04	2.54e-03
3	15	7	11	6.57e+01	2.051e+01	0.312093	8.260e+03	-0.803	1.40e-02	2.85e-03
4	16	8	12	2.86e-02	8.938e-03	0.312708	3.592e+00	-0.575	8.04e-04	2.69e-03



# DATI DI INPUT TOMOGRAFIA ELETTRICA

STADA MARE E MONTI TE04  
WENNER-SCHLUMBERGER

## POSIZIONAMENTO ELETTRODI

N.	X	Z
1	0	0.00
2	6	0.30
3	12	0.60
4	18	0.90
5	24	1.20
6	30	1.50
7	36	1.80
8	42	2.10
9	48	2.40
10	54	2.70
11	60	3.00
12	66	3.00
13	72	2.75
14	78	2.50
15	84	2.25
16	90	2.00

## CONDIZIONI INIZIALI

Resistività background omogeneo:	2521.63431577727
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## LETTURE

n°	A	B	M	N	V/I Lett.	V/I Inv.	Delta V/I	% Err.
1	1	4	2	3	0.3360	0.29255260	0.04344740	13
2	2	5	3	4	0.2170	0.26181290	0.04481290	21
3	3	6	4	5	0.1860	0.23399420	0.04799420	26
4	4	7	5	6	0.1680	0.20888840	0.04088840	24
5	5	8	6	7	0.1740	0.20651970	0.03251970	19
6	6	9	7	8	0.1880	0.20071820	0.01271820	7
7	7	10	8	9	0.2000	0.20507710	0.00507710	3
8	8	11	9	10	0.2140	0.19763980	0.01636020	8
9	9	12	10	11	0.1940	0.20098080	0.00698080	4
10	10	13	11	12	0.1790	0.22101910	0.04201910	23
11	11	14	12	13	0.1440	0.26177170	0.11777170	82
12	13	16	14	15	1.9300	1.60301100	0.32698900	17
13	1	6	3	4	0.0945	0.09832017	0.00382017	4
14	2	7	4	5	0.0883	0.08358769	0.00471231	5
15	3	8	5	6	0.0471	0.06362462	0.01652462	35
16	4	9	6	7	0.0548	0.05837977	0.00357977	7
17	5	10	7	8	0.0584	0.04993295	0.00846705	14
18	6	11	8	9	0.0546	0.04888011	0.00571989	10
19	7	12	9	10	0.0532	0.04804317	0.00515683	10

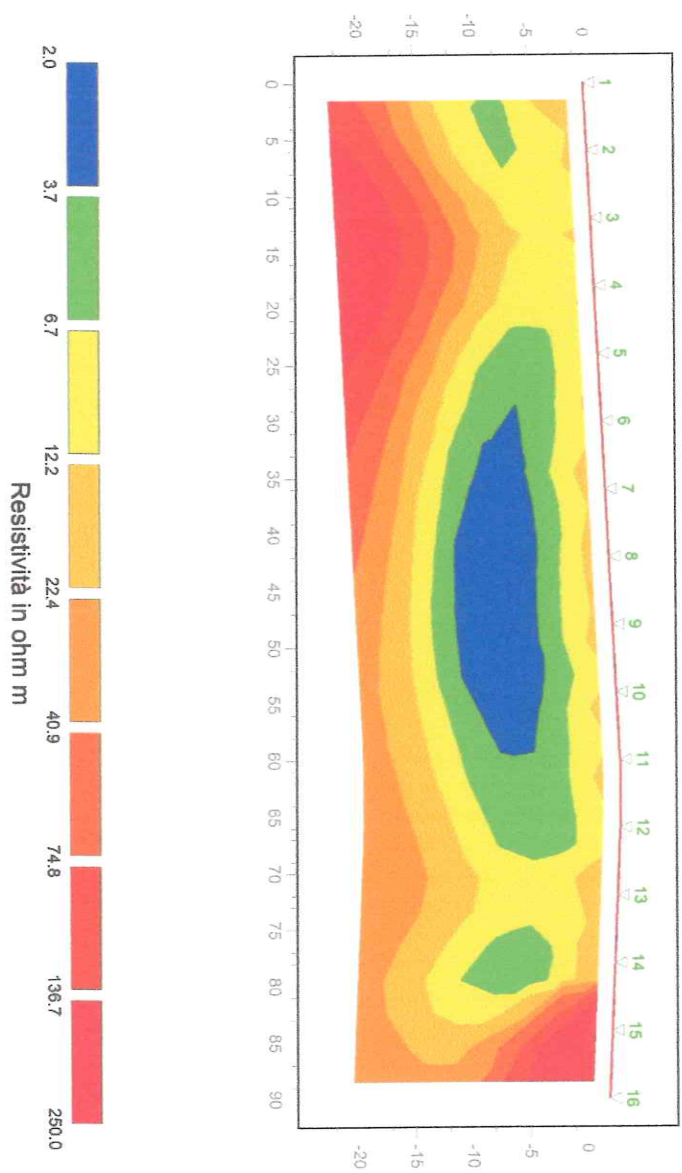
20	8	13	10	11	0.0605	0.05738128	0.00311872	5
21	9	14	11	12	0.0492	0.06669159	0.01749159	36
22	11	16	13	14	0.0648	0.07549331	0.01069331	17
23	1	8	4	5	0.0469	0.04899611	0.00209611	4
24	2	9	5	6	0.0395	0.03595667	0.00354333	9
25	3	10	6	7	0.0289	0.03166866	0.00276866	10
26	4	11	7	8	0.0143	0.02730736	0.01300736	91
27	5	12	8	9	0.0262	0.02653504	0.00033504	1
28	6	13	9	10	0.0206	0.02642817	0.00582817	28
29	7	14	10	11	0.0281	0.03212558	0.00402558	14
30	9	16	12	13	0.0448	0.03496397	0.00983603	22
31	1	10	5	6	0.0266	0.02487155	0.00172845	6
32	2	11	6	7	0.0194	0.02179055	0.00239055	12
33	3	12	7	8	0.0155	0.01823792	0.00273792	18
34	4	13	8	9	0.0148	0.01871844	0.00391844	26
35	7	16	11	12	0.0492	0.02025067	0.02894933	59
36	1	12	6	7	0.0279	0.01618161	0.01171839	42
37	5	16	10	11	0.0487	0.01392174	0.03477826	71
38	1	7	3	5	0.1690	0.14350330	0.02549670	15
39	2	8	4	6	0.1200	0.11810370	0.00189630	2
40	3	9	5	7	0.0643	0.09533963	0.03103963	48
41	4	10	6	8	0.0656	0.08541463	0.01981463	30
42	5	11	7	9	0.0792	0.07762811	0.00157189	2
43	6	12	8	10	0.0731	0.07453186	0.00143186	2
44	7	13	9	11	0.0777	0.08408197	0.00638197	8
45	8	14	10	12	0.0778	0.09765707	0.01985707	26
46	10	16	12	14	0.0584	0.10654410	0.04814410	82
47	1	11	5	7	0.0380	0.04107001	0.00307001	8
48	2	12	6	8	0.0348	0.03529218	0.00049218	1
49	3	13	7	9	0.0267	0.03236824	0.00566824	21
50	4	14	8	10	0.0271	0.03365508	0.00655508	24
51	6	16	10	12	0.0107	0.03415556	0.02345556	219
52	2	16	8	10	0.0158	0.01543118	0.00036882	2
53	1	10	4	7	0.0836	0.08863743	0.00503743	6
54	2	11	5	8	0.0660	0.07135415	0.00535415	8
55	3	12	6	9	0.0374	0.06449486	0.02709486	72
56	4	13	7	10	0.0340	0.06242232	0.02842232	84
57	5	14	8	11	0.0419	0.06720936	0.02530936	60
58	7	16	10	13	0.0391	0.06866156	0.02956156	76
59	1	16	7	10	0.0152	0.02087453	0.00567453	37
60	1	13	5	9	0.0402	0.06037357	0.02017357	50
61	2	14	6	10	0.0385	0.05660351	0.01810351	47
62	4	16	8	12	0.0286	0.05184821	0.02324821	81

LETTURE SCARTATE PER ECCESSIVO RUMORE

A	B	M	N	V/I
5	14	9	10	0.002620
2	13	7	8	0.000978

# STADA MARE E MONTI TE04 WENNER-SCHLUMBERGER

Sezione resistività modello inverso

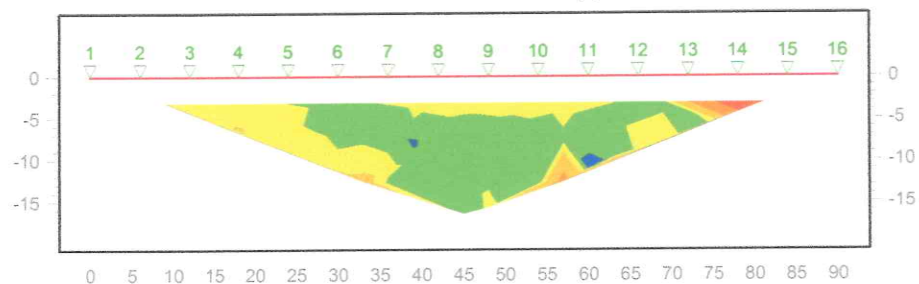




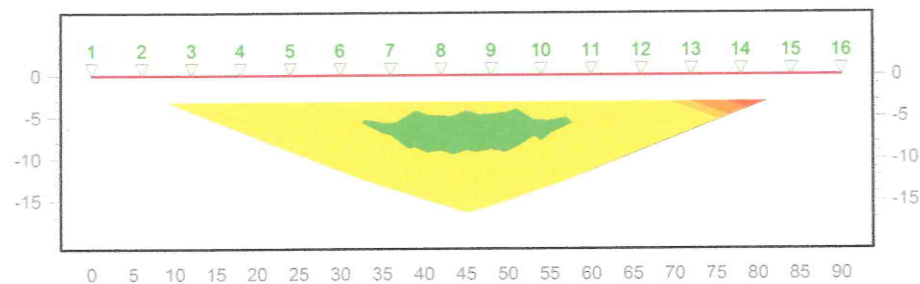
# STADA MARE E MONTI TE04

## WENNER-SCHLUMBERGER

Pseudosezione resistività apparente



Pseudosezione resistività calcolata



## FOTO STENDIMENTO

TE05	37°33.321'N	13°22.770'E	90 m
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METHODE=WENNER-SCHLUMBERGER

TE05

a[m]=6.0

a	b	m	n	V/I[ohm]	V[V]	I[A]	R[ohm*m]	SP[V]	NV	NI
1	4	2	3	1.21e-01	3.729e-02	0.307382	3.811e+00	-0.082	1.30e-03	3.05e-03
2	5	3	4	2.87e-01	8.854e-02	0.308059	9.030e+00	-0.262	9.25e-04	2.31e-03
3	6	4	5	1.26e-01	3.885e-02	0.308295	3.958e+00	-0.117	1.17e-03	2.13e-03
4	7	5	6	2.75e-01	8.483e-02	0.308796	8.631e+00	-0.191	8.49e-04	2.95e-03
5	8	6	7	3.11e-01	9.631e-02	0.310096	9.757e+00	-0.041	8.91e-04	1.39e-03
6	9	7	8	3.18e-01	9.862e-02	0.310154	9.990e+00	-0.264	8.41e-04	2.11e-03
7	10	8	9	3.07e-01	9.483e-02	0.309182	9.636e+00	0.097	1.20e-03	2.89e-03
8	11	9	10	2.79e-01	8.646e-02	0.310380	8.752e+00	-0.132	8.43e-04	1.76e-03
9	12	10	11	3.07e-01	9.512e-02	0.310292	9.631e+00	-0.073	7.76e-04	3.14e-03
10	13	11	12	3.24e-01	1.004e-01	0.310160	1.016e+01	-0.142	9.88e-04	3.03e-03
11	14	12	13	2.98e-01	9.266e-02	0.310526	9.374e+00	-0.137	8.23e-04	2.72e-03
12	15	13	14	1.83e+02	5.678e+01	0.310209	5.750e+03	-2.581	1.80e-02	2.63e-03
13	16	14	15	1.23e+00	3.828e-01	0.310849	3.869e+01	-0.819	1.38e-03	2.55e-03
1	6	3	4	1.62e-01	5.036e-02	0.310953	1.526e+01	0.025	9.58e-04	2.44e-03
2	7	4	5	1.30e-02	4.044e-03	0.311804	1.222e+00	-0.024	9.33e-04	2.34e-03
3	8	5	6	8.06e-02	2.509e-02	0.311414	7.593e+00	-0.474	8.89e-04	1.79e-03
4	9	6	7	1.04e-01	3.244e-02	0.312419	9.785e+00	0.038	8.74e-04	2.29e-03
5	10	7	8	1.08e-01	3.339e-02	0.310413	1.014e+01	-0.272	7.93e-04	2.85e-03
6	11	8	9	1.06e-01	3.298e-02	0.311955	9.963e+00	0.090	8.87e-04	2.90e-03
7	12	9	10	9.28e-02	2.895e-02	0.311896	8.748e+00	-0.071	8.22e-04	2.81e-03
8	13	10	11	9.56e-02	2.984e-02	0.311981	9.014e+00	-0.049	6.93e-04	2.02e-03
9	14	11	12	1.09e-01	3.402e-02	0.312559	1.026e+01	-0.103	8.87e-04	2.15e-03
10	15	12	13	1.57e+02	4.907e+01	0.312371	1.480e+04	-1.081	1.46e-02	2.33e-03
11	16	13	14	9.38e-02	2.939e-02	0.313325	8.841e+00	-0.065	9.40e-04	2.09e-03
1	8	4	5	1.05e-02	3.269e-03	0.312681	1.971e+00	-0.025	6.76e-04	2.24e-03
2	9	5	6	4.08e-02	1.269e-02	0.311507	7.681e+00	-0.020	1.14e-03	2.64e-03



3	10	6	7	4.72e-02	1.474e-02	0.312040	8.905e+00	0.044	7.32e-04	2.74e-03
4	11	7	8	6.67e-02	2.078e-02	0.311515	1.257e+01	-0.609	9.35e-04	2.78e-03
5	12	8	9	4.81e-02	1.505e-02	0.312691	9.074e+00	0.121	7.10e-04	2.55e-03
6	13	9	10	4.31e-02	1.348e-02	0.312462	8.132e+00	-0.055	8.99e-04	2.84e-03
7	14	10	11	5.06e-02	1.580e-02	0.312242	9.541e+00	-0.034	7.84e-04	2.96e-03
8	15	11	12	1.39e+02	4.346e+01	0.312868	2.618e+04	-1.485	1.98e-02	1.99e-03
9	16	12	13	6.36e-02	1.988e-02	0.312688	1.199e+01	0.148	8.14e-04	2.59e-03
1	10	5	6	2.57e-02	8.040e-03	0.312769	8.076e+00	0.000	6.29e-04	2.83e-03
2	11	6	7	2.63e-02	8.216e-03	0.312369	8.263e+00	0.055	7.15e-04	2.79e-03
3	12	7	8	3.14e-02	9.824e-03	0.312530	9.876e+00	-0.143	1.12e-03	2.16e-03
4	13	8	9	3.78e-02	1.181e-02	0.312766	1.186e+01	0.131	9.79e-04	3.09e-03
5	14	9	10	1.94e-02	6.062e-03	0.312276	6.099e+00	-0.579	1.15e-03	2.25e-03
6	15	10	11	1.30e+02	4.059e+01	0.311861	4.089e+04	-0.587	1.59e-02	3.09e-03
7	16	11	12	4.94e-02	1.543e-02	0.312294	1.552e+01	0.102	7.72e-04	2.89e-03
1	12	6	7	2.53e-02	7.893e-03	0.311862	1.193e+01	0.098	1.03e-03	2.21e-03
2	13	7	8	9.98e-03	3.122e-03	0.312827	4.703e+00	-0.288	8.68e-04	3.59e-03
3	14	8	9	2.12e-02	6.632e-03	0.313076	9.982e+00	0.106	7.78e-04	2.18e-03
4	15	9	10	1.26e+02	3.938e+01	0.313120	5.926e+04	-1.317	2.28e-02	2.51e-03
5	16	10	11	3.79e-02	1.188e-02	0.313137	1.788e+01	0.195	1.12e-03	2.53e-03
1	7	3	5	1.47e-01	4.612e-02	0.313725	9.237e+00	0.124	8.30e-04	2.42e-03
2	8	4	6	7.56e-02	2.372e-02	0.313722	4.751e+00	-0.134	1.14e-03	1.83e-03
3	9	5	7	1.04e-01	3.253e-02	0.312292	6.545e+00	-0.477	8.68e-04	2.16e-03
4	10	6	8	1.77e-01	5.550e-02	0.313220	1.113e+01	-0.629	9.93e-04	2.64e-03
5	11	7	9	1.62e-01	5.074e-02	0.312804	1.019e+01	-0.262	9.86e-04	3.09e-03
6	12	8	10	1.47e-01	4.616e-02	0.313264	9.258e+00	-0.078	8.41e-04	2.61e-03
7	13	9	11	1.41e-01	4.399e-02	0.312976	8.832e+00	-0.208	7.82e-04	2.92e-03
8	14	10	12	1.54e-01	4.812e-02	0.313193	9.653e+00	-0.109	7.57e-04	1.75e-03
9	15	11	13	1.57e+02	4.911e+01	0.312912	9.862e+03	-0.906	2.32e-02	2.10e-03
10	16	12	14	1.24e-01	3.873e-02	0.313295	7.767e+00	-0.182	8.28e-04	2.93e-03
1	11	5	7	4.28e-02	1.340e-02	0.313357	8.060e+00	0.049	1.13e-03	2.41e-03

2	12	6	8	4.50e-02	1.406e-02	0.312810	8.473e+00	-0.072	1.00e-03	2.47e-03
3	13	7	9	4.96e-02	1.552e-02	0.312983	9.349e+00	0.015	1.21e-03	2.78e-03
4	14	8	10	6.29e-02	1.969e-02	0.313133	1.185e+01	0.114	1.10e-03	2.29e-03
5	15	9	11	1.30e+02	4.062e+01	0.312257	2.452e+04	-1.147	1.90e-02	3.28e-03
6	16	10	12	3.89e-02	1.212e-02	0.311843	7.325e+00	-0.691	8.99e-04	2.75e-03
1	15	7	9	1.51e+02	4.748e+01	0.313533	5.709e+04	-1.992	2.27e-02	3.29e-03
2	16	8	10	2.15e-02	6.749e-03	0.313283	8.122e+00	0.088	1.02e-03	2.99e-03
1	10	4	7	5.76e-02	1.800e-02	0.312428	5.430e+00	-0.089	1.13e-03	2.95e-03
2	11	5	8	8.25e-02	2.571e-02	0.311702	7.774e+00	-0.202	8.60e-04	3.00e-03
3	12	6	9	7.55e-02	2.362e-02	0.312852	7.114e+00	-0.545	9.35e-04	2.39e-03
4	13	7	10	1.15e-01	3.575e-02	0.311553	1.082e+01	-0.558	1.18e-03	3.61e-03
5	14	8	11	8.64e-02	2.697e-02	0.312215	8.140e+00	-0.550	1.04e-03	2.51e-03
6	15	9	12	1.39e+02	4.362e+01	0.312992	1.313e+04	-1.445	1.88e-02	2.73e-03
7	16	10	13	9.48e-02	2.959e-02	0.312089	8.936e+00	-0.208	6.87e-04	3.01e-03
1	16	7	10	8.10e-03	2.535e-03	0.312990	2.290e+00	-0.725	1.32e-03	3.06e-03
1	13	5	9	4.77e-02	1.489e-02	0.312498	5.990e+00	-0.471	1.15e-03	2.63e-03
2	14	6	10	5.02e-02	1.570e-02	0.313123	6.303e+00	-0.516	1.05e-03	3.06e-03
3	15	7	11	1.30e+02	4.065e+01	0.313189	1.631e+04	-1.209	1.85e-02	2.61e-03
4	16	8	12	8.22e-02	2.573e-02	0.312823	1.034e+01	-0.486	1.11e-03	2.73e-03

# DATI DI INPUT TOMOGRAFIA ELETTRICA

STRADA MARE E MONTI TE05  
WENNER-SCHLUMBERGER

## POSIZIONAMENTO ELETTRODI

N.	X	Z
1	0	0
2	6	0
3	12	0
4	18	0
5	24	0
6	30	0
7	36	0
8	42	0
9	48	0
10	54	0
11	60	0
12	66	0
13	72	0
14	78	0
15	84	0
16	90	0

## CONDIZIONI INIZIALI

Resistività background omogeneo:	3578.81281407066
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## LETTURE

n°	A	B	M	N	V/I Lett.	V/I Inv.	Delta V/I	% Err.
1	1	4	2	3	0.1210	0.59637900	0.47537900	393
2	2	5	3	4	0.2870	1.03433100	0.74733100	260
3	3	6	4	5	0.1260	0.48451210	0.35851210	285
4	4	7	5	6	0.2750	0.46173090	0.18673090	68
5	5	8	6	7	0.3110	0.37094870	0.05994870	19
6	6	9	7	8	0.3180	0.36041150	0.04241150	13
7	7	10	8	9	0.3070	0.29849870	0.00850130	3
8	8	11	9	10	0.2790	0.30616780	0.02716780	10
9	9	12	10	11	0.3070	0.32498740	0.01798740	6
10	10	13	11	12	0.3240	0.48942200	0.16542200	51
11	11	14	12	13	0.2980	0.80424980	0.50624980	170
12	13	16	14	15	1.2300	1.80441200	0.57441200	47
13	1	6	3	4	0.1620	0.30438340	0.14238340	88
14	2	7	4	5	0.0130	0.16888020	0.15588020	1199
15	3	8	5	6	0.0806	0.10428050	0.02368050	29
16	4	9	6	7	0.1040	0.13069700	0.02669700	26
17	5	10	7	8	0.1080	0.12021480	0.01221480	11
18	6	11	8	9	0.1060	0.09144833	0.01455167	14
19	7	12	9	10	0.0928	0.09570542	0.00290542	3

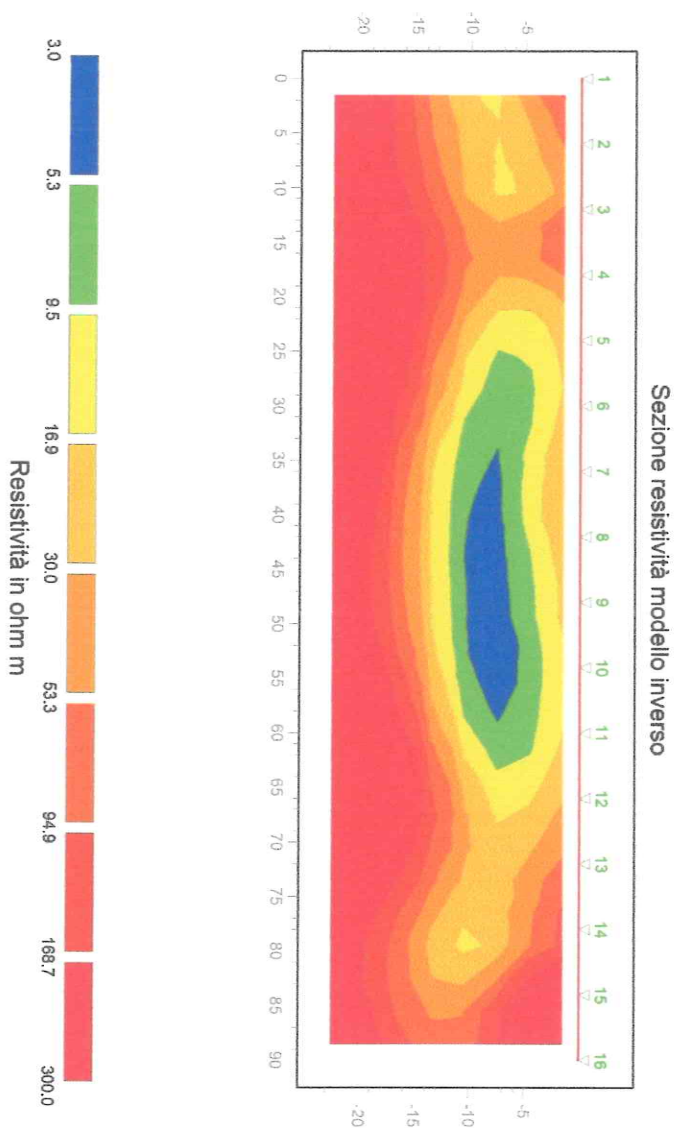


20	8	13	10	11	0.0956	0.11270650	0.01710650	18
21	9	14	11	12	0.1090	0.16135920	0.05235920	48
22	11	16	13	14	0.0938	0.22113630	0.12733630	136
23	1	8	4	5	0.0105	0.07904808	0.06854808	653
24	2	9	5	6	0.0408	0.06086298	0.02006298	49
25	3	10	6	7	0.0472	0.06116923	0.01396923	30
26	4	11	7	8	0.0667	0.08131653	0.01461653	22
27	5	12	8	9	0.0481	0.06251411	0.01441411	30
28	6	13	9	10	0.0431	0.05980185	0.01670185	39
29	7	14	10	11	0.0506	0.06517051	0.01457051	29
30	9	16	12	13	0.0636	0.09034000	0.02674000	42
31	1	10	5	6	0.0257	0.03655679	0.01085679	42
32	2	11	6	7	0.0263	0.04474720	0.01844720	70
33	3	12	7	8	0.0314	0.05025300	0.01885300	60
34	4	13	8	9	0.0378	0.04772308	0.00992308	26
35	5	14	9	10	0.0194	0.04444078	0.02504078	129
36	7	16	11	12	0.0494	0.04299206	0.00640794	13
37	1	12	6	7	0.0253	0.03056921	0.00526921	21
38	3	14	8	9	0.0212	0.03100596	0.00980596	46
39	5	16	10	11	0.0379	0.02455776	0.01334224	35
40	1	7	3	5	0.1470	0.35355010	0.20655010	141
41	2	8	4	6	0.0756	0.22051300	0.14491300	192
42	3	9	5	7	0.1040	0.16629350	0.06229350	60
43	4	10	6	8	0.1770	0.21126530	0.03426530	19
44	5	11	7	9	0.1620	0.18199500	0.01999500	12
45	6	12	8	10	0.1470	0.15737570	0.01037570	7
46	7	13	9	11	0.1410	0.17325670	0.03225670	23
47	8	14	10	12	0.1540	0.22726360	0.07326360	48
48	10	16	12	14	0.1240	0.29909540	0.17509540	141
49	1	11	5	7	0.0428	0.06790344	0.02510344	59
50	2	12	6	8	0.0450	0.08500642	0.04000642	89
51	3	13	7	9	0.0496	0.08204263	0.03244263	65
52	4	14	8	10	0.0629	0.08284955	0.01994955	32
53	6	16	10	12	0.0389	0.06677246	0.02787246	72
54	2	16	8	10	0.0215	0.02810597	0.00660597	31
55	1	10	4	7	0.0576	0.14263460	0.08503460	148
56	2	11	5	8	0.0825	0.14813300	0.06563300	80
57	3	12	6	9	0.0755	0.14855310	0.07305310	97
58	4	13	7	10	0.1150	0.16994560	0.05494560	48
59	5	14	8	11	0.0864	0.15233690	0.06593690	76
60	7	16	10	13	0.0948	0.15177120	0.05697120	60
61	1	13	5	9	0.0477	0.11781680	0.07011680	147
62	2	14	6	10	0.0502	0.12935650	0.07915650	158
63	4	16	8	12	0.0822	0.10953810	0.02733810	33

LETTURE SCARTATE PER ECCESSIVO RUMORE

A	B	M	N	V/I
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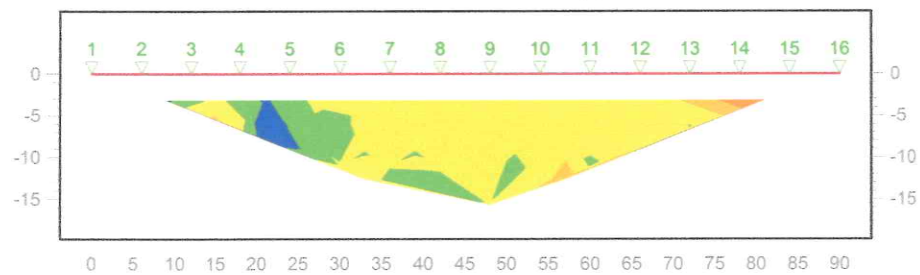
# **STRADA MARE E MONTI TE05** **WENNER-SCHLUMBERGER**



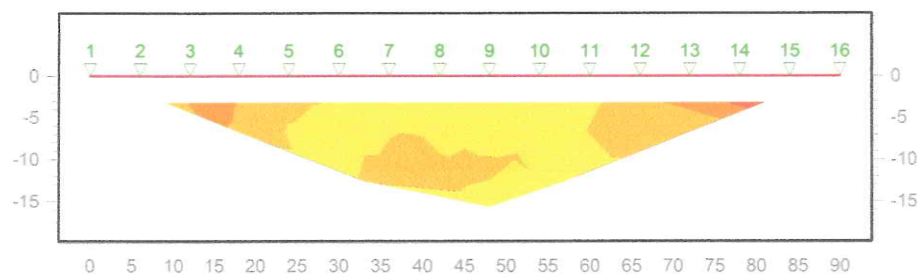
# STRADA MARE E MONTI TE05

## WENNER-SCHLUMBERGER

Pseudosezione resistività apparente



Pseudosezione resistività calcolata





## FOTO STENDIMENTO

TE06	37°33.776'N	13°22.355'E	90 m
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METHODE=WENNER-SCHLUMBERGER TE06

a[m]=6.0

a	b	m	n	V/I[ohm]	V[V]	I[A]	R[ohm*m]	SP[V]	NV	NI
1	4	2	3	1.21e-01	3.729e-02	0.307382	3.811e+00	-0.082	1.30e-03	3.05e-03
2	5	3	4	2.87e-01	8.854e-02	0.308059	9.030e+00	-0.262	9.25e-04	2.31e-03
3	6	4	5	1.26e-01	3.885e-02	0.308295	3.958e+00	-0.117	1.17e-03	2.13e-03
4	7	5	6	2.75e-01	8.483e-02	0.308796	8.631e+00	-0.191	8.49e-04	2.95e-03
5	8	6	7	3.11e-01	9.631e-02	0.310096	9.757e+00	-0.041	8.91e-04	1.39e-03
6	9	7	8	3.18e-01	9.862e-02	0.310154	9.990e+00	-0.264	8.41e-04	2.11e-03
7	10	8	9	3.07e-01	9.483e-02	0.309182	9.636e+00	0.097	1.20e-03	2.89e-03
8	11	9	10	2.79e-01	8.646e-02	0.310380	8.752e+00	-0.132	8.43e-04	1.76e-03
9	12	10	11	3.07e-01	9.512e-02	0.310292	9.631e+00	-0.073	7.76e-04	3.14e-03
10	13	11	12	3.24e-01	1.004e-01	0.310160	1.016e+01	-0.142	9.88e-04	3.03e-03
11	14	12	13	2.98e-01	9.266e-02	0.310526	9.374e+00	-0.137	8.23e-04	2.72e-03
12	15	13	14	1.83e+02	5.678e+01	0.310209	5.750e+03	-2.581	1.80e-02	2.63e-03
13	16	14	15	1.23e+00	3.828e-01	0.310849	3.869e+01	-0.819	1.38e-03	2.55e-03
1	6	3	4	1.62e-01	5.036e-02	0.310953	1.526e+01	0.025	9.58e-04	2.44e-03
2	7	4	5	1.30e-02	4.044e-03	0.311804	1.222e+00	-0.024	9.33e-04	2.34e-03
3	8	5	6	8.06e-02	2.509e-02	0.311414	7.593e+00	-0.474	8.89e-04	1.79e-03
4	9	6	7	1.04e-01	3.244e-02	0.312419	9.785e+00	0.038	8.74e-04	2.29e-03
5	10	7	8	1.08e-01	3.339e-02	0.310413	1.014e+01	-0.272	7.93e-04	2.85e-03
6	11	8	9	1.06e-01	3.298e-02	0.311955	9.963e+00	0.090	8.87e-04	2.90e-03
7	12	9	10	9.28e-02	2.895e-02	0.311896	8.748e+00	-0.071	8.22e-04	2.81e-03
8	13	10	11	9.56e-02	2.984e-02	0.311981	9.014e+00	-0.049	6.93e-04	2.02e-03
9	14	11	12	1.09e-01	3.402e-02	0.312559	1.026e+01	-0.103	8.87e-04	2.15e-03
10	15	12	13	1.57e+02	4.907e+01	0.312371	1.480e+04	-1.081	1.46e-02	2.33e-03
11	16	13	14	9.38e-02	2.939e-02	0.313325	8.841e+00	-0.065	9.40e-04	2.09e-03
1	8	4	5	1.05e-02	3.269e-03	0.312681	1.971e+00	-0.025	6.76e-04	2.24e-03
2	9	5	6	4.08e-02	1.269e-02	0.311507	7.681e+00	-0.020	1.14e-03	2.64e-03
3	10	6	7	4.72e-02	1.474e-02	0.312040	8.905e+00	0.044	7.32e-04	2.74e-03

4	11	7	8	6.67e-02	2.078e-02	0.311515	1.257e+01	-0.609	9.35e-04	2.78e-03
5	12	8	9	4.81e-02	1.505e-02	0.312691	9.074e+00	0.121	7.10e-04	2.55e-03
6	13	9	10	4.31e-02	1.348e-02	0.312462	8.132e+00	-0.055	8.99e-04	2.84e-03
7	14	10	11	5.06e-02	1.580e-02	0.312242	9.541e+00	-0.034	7.84e-04	2.96e-03
8	15	11	12	1.39e+02	4.346e+01	0.312868	2.618e+04	-1.485	1.98e-02	1.99e-03
9	16	12	13	6.36e-02	1.988e-02	0.312688	1.199e+01	0.148	8.14e-04	2.59e-03
1	10	5	6	2.57e-02	8.040e-03	0.312769	8.076e+00	0.000	6.29e-04	2.83e-03
2	11	6	7	2.63e-02	8.216e-03	0.312369	8.263e+00	0.055	7.15e-04	2.79e-03
3	12	7	8	3.14e-02	9.824e-03	0.312530	9.876e+00	-0.143	1.12e-03	2.16e-03
4	13	8	9	3.78e-02	1.181e-02	0.312766	1.186e+01	0.131	9.79e-04	3.09e-03
5	14	9	10	1.94e-02	6.062e-03	0.312276	6.099e+00	-0.579	1.15e-03	2.25e-03
6	15	10	11	1.30e+02	4.059e+01	0.311861	4.089e+04	-0.587	1.59e-02	3.09e-03
7	16	11	12	4.94e-02	1.543e-02	0.312294	1.552e+01	0.102	7.72e-04	2.89e-03
1	12	6	7	2.53e-02	7.893e-03	0.311862	1.193e+01	0.098	1.03e-03	2.21e-03
2	13	7	8	9.98e-03	3.122e-03	0.312827	4.703e+00	-0.288	8.68e-04	3.59e-03
3	14	8	9	2.12e-02	6.632e-03	0.313076	9.982e+00	0.106	7.78e-04	2.18e-03
4	15	9	10	1.26e+02	3.938e+01	0.313120	5.926e+04	-1.317	2.28e-02	2.51e-03
5	16	10	11	3.79e-02	1.188e-02	0.313137	1.788e+01	0.195	1.12e-03	2.53e-03
1	7	3	5	1.47e-01	4.612e-02	0.313725	9.237e+00	0.124	8.30e-04	2.42e-03
2	8	4	6	7.56e-02	2.372e-02	0.313722	4.751e+00	-0.134	1.14e-03	1.83e-03
3	9	5	7	1.04e-01	3.253e-02	0.312292	6.545e+00	-0.477	8.68e-04	2.16e-03
4	10	6	8	1.77e-01	5.550e-02	0.313220	1.113e+01	-0.629	9.93e-04	2.64e-03
5	11	7	9	1.62e-01	5.074e-02	0.312804	1.019e+01	-0.262	9.86e-04	3.09e-03
6	12	8	10	1.47e-01	4.616e-02	0.313264	9.258e+00	-0.078	8.41e-04	2.61e-03
7	13	9	11	1.41e-01	4.399e-02	0.312976	8.832e+00	-0.208	7.82e-04	2.92e-03
8	14	10	12	1.54e-01	4.812e-02	0.313193	9.653e+00	-0.109	7.57e-04	1.75e-03
9	15	11	13	1.57e+02	4.911e+01	0.312912	9.862e+03	-0.906	2.32e-02	2.10e-03
10	16	12	14	1.24e-01	3.873e-02	0.313295	7.767e+00	-0.182	8.28e-04	2.93e-03
1	11	5	7	4.28e-02	1.340e-02	0.313357	8.060e+00	0.049	1.13e-03	2.41e-03
2	12	6	8	4.50e-02	1.406e-02	0.312810	8.473e+00	-0.072	1.00e-03	2.47e-03



3	13	7	9	4.96e-02	1.552e-02	0.312983	9.349e+00	0.015	1.21e-03	2.78e-03
4	14	8	10	6.29e-02	1.969e-02	0.313133	1.185e+01	0.114	1.10e-03	2.29e-03
5	15	9	11	1.30e+02	4.062e+01	0.312257	2.452e+04	-1.147	1.90e-02	3.28e-03
6	16	10	12	3.89e-02	1.212e-02	0.311843	7.325e+00	-0.691	8.99e-04	2.75e-03
1	15	7	9	1.51e+02	4.748e+01	0.313533	5.709e+04	-1.992	2.27e-02	3.29e-03
2	16	8	10	2.15e-02	6.749e-03	0.313283	8.122e+00	0.088	1.02e-03	2.99e-03
1	10	4	7	5.76e-02	1.800e-02	0.312428	5.430e+00	-0.089	1.13e-03	2.95e-03
2	11	5	8	8.25e-02	2.571e-02	0.311702	7.774e+00	-0.202	8.60e-04	3.00e-03
3	12	6	9	7.55e-02	2.362e-02	0.312852	7.114e+00	-0.545	9.35e-04	2.39e-03
4	13	7	10	1.15e-01	3.575e-02	0.311553	1.082e+01	-0.558	1.18e-03	3.61e-03
5	14	8	11	8.64e-02	2.697e-02	0.312215	8.140e+00	-0.550	1.04e-03	2.51e-03
6	15	9	12	1.39e+02	4.362e+01	0.312992	1.313e+04	-1.445	1.88e-02	2.73e-03
7	16	10	13	9.48e-02	2.959e-02	0.312089	8.936e+00	-0.208	6.87e-04	3.01e-03
1	16	7	10	8.10e-03	2.535e-03	0.312990	2.290e+00	-0.725	1.32e-03	3.06e-03
1	13	5	9	4.77e-02	1.489e-02	0.312498	5.990e+00	-0.471	1.15e-03	2.63e-03
2	14	6	10	5.02e-02	1.570e-02	0.313123	6.303e+00	-0.516	1.05e-03	3.06e-03
3	15	7	11	1.30e+02	4.065e+01	0.313189	1.631e+04	-1.209	1.85e-02	2.61e-03
4	16	8	12	8.22e-02	2.573e-02	0.312823	1.034e+01	-0.486	1.11e-03	2.73e-03

# DATI DI INPUT TOMOGRAFIA ELETTRICA

WENNER-SCHLUMBERGER  
Tomografia Strada Mari - Monti TE 06

## POSIZIONAMENTO ELETTRODI

N.	X	Z
1	0	0
2	6	0
3	12	0
4	18	0
5	24	0
6	30	0
7	36	0
8	42	0
9	48	0
10	54	0
11	60	0
12	66	0
13	72	0
14	78	0
15	84	0
16	90	0

## CONDIZIONI INIZIALI

Resistività background omogeneo:	1826.67663332864
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## LETTURE

n°	A	B	M	N	V/I Lett.	V/I Inv.	Delta V/I	% Err.
1	1	4	2	3	0.05770	0.120007000	0.062307000	10.8
2	2	5	3	4	0.04190	0.199387100	0.157487100	37.6
3	3	6	4	5	0.04180	0.076325580	0.034525580	8.3
4	4	7	5	6	0.05810	0.086396110	0.028296110	4.9
5	5	8	6	7	0.04590	0.084144450	0.038244450	8.3
6	6	9	7	8	0.09590	0.083005200	0.012894800	1.3
7	7	10	8	9	0.08190	0.117487100	0.035587100	4.3
8	8	11	9	10	0.06080	0.110168600	0.049368600	8.1
9	9	12	10	11	0.11700	0.138492300	0.021492300	1.8
10	10	13	11	12	0.04450	0.084812430	0.040312430	9.1
11	11	14	12	13	0.07800	0.089553730	0.011553730	1.5
12	12	15	13	14	58.00000	0.064930880	57.935069120	10.0
13	13	16	14	15	2.57000	0.124400900	2.445599100	9.5
14	1	6	3	4	0.01120	0.055307340	0.044107340	39.4
15	2	7	4	5	0.01770	0.021482600	0.003782600	2.1
16	3	8	5	6	0.01250	0.022924030	0.010424030	8.3

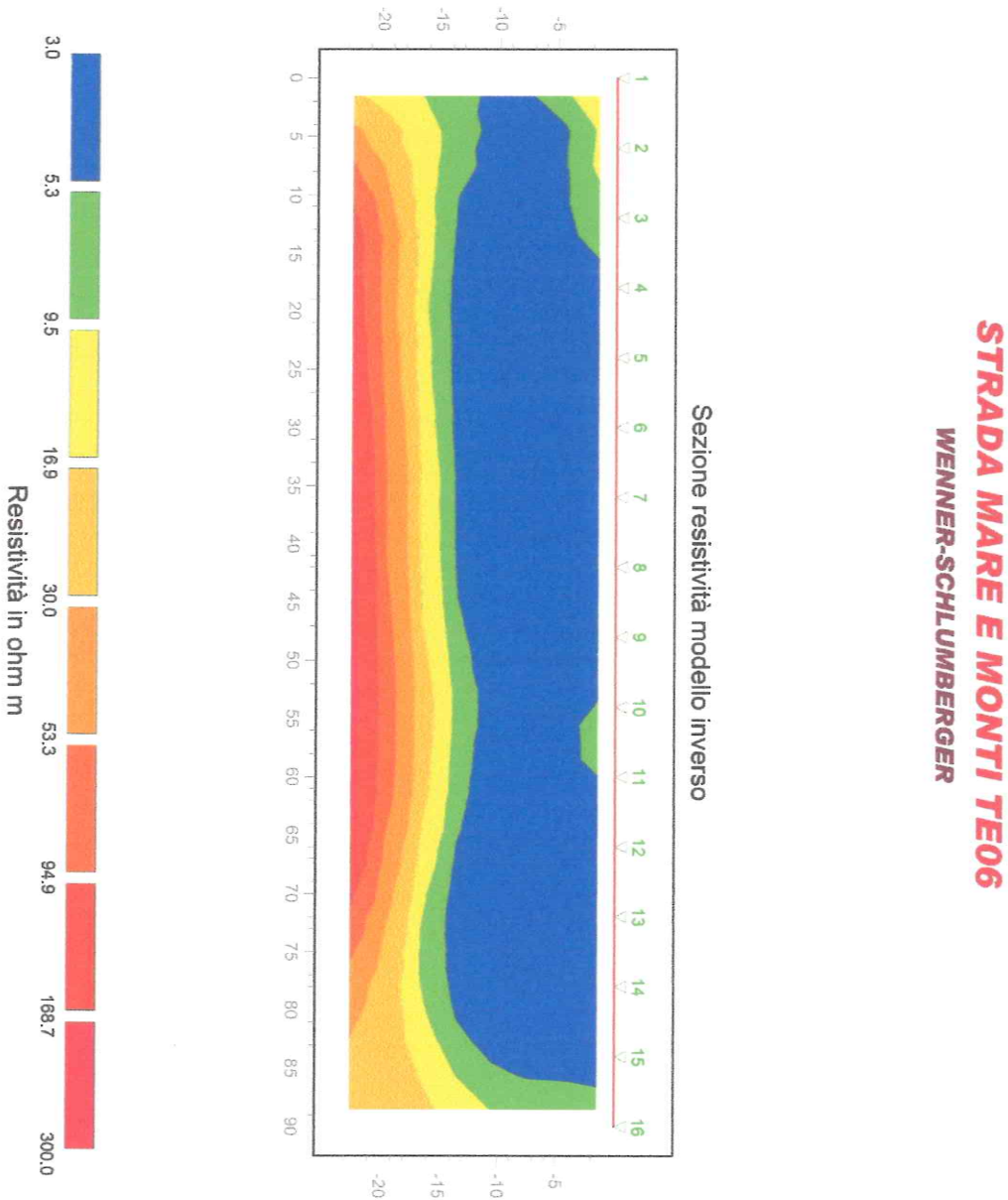
17	4	9	6	7	0.07980	0.030321500	0.049478500	6.2
18	5	10	7	8	0.00989	0.022498640	0.012608640	12.7
19	6	11	8	9	0.02360	0.030531090	0.006931090	2.9
20	7	12	9	10	0.00759	0.037809700	0.030219700	39.8
21	8	13	10	11	0.01040	0.044948350	0.034548350	33.2
22	9	14	11	12	0.03840	0.032985310	0.005414690	1.4
23	10	15	12	13	53.50000	0.032172050	53.467827950	10.0
24	11	16	13	14	2.79000	0.027840350	2.762159650	9.9
25	1	8	4	5	0.01200	0.010711850	0.001288150	1.1
26	2	9	5	6	0.07280	0.013558570	0.059241430	8.1
27	3	10	6	7	0.01350	0.015539380	0.002039380	1.5
28	4	11	7	8	0.00487	0.012852170	0.007982170	16.4
29	5	12	8	9	0.02140	0.019144190	0.002255810	1.1
30	6	13	9	10	0.01000	0.023728200	0.013728200	13.7
31	7	14	10	11	0.05730	0.032642560	0.024657440	4.3
32	8	15	11	12	56.60000	0.021084560	56.578915440	10.0
33	1	10	5	6	0.00901	0.008096933	0.000913067	1.0
34	2	11	6	7	0.01350	0.010520400	0.002979600	2.2
35	3	12	7	8	0.01450	0.008785951	0.005714049	3.9
36	4	13	8	9	0.02350	0.015307600	0.008192400	3.5
37	5	14	9	10	0.05320	0.019986510	0.033213490	6.2
38	6	15	10	11	75.80000	0.026448740	75.773551260	10.0
39	1	7	3	5	0.01600	0.061224390	0.045224390	28.3
40	2	8	4	6	0.01850	0.036163540	0.017663540	9.5
41	3	9	5	7	0.06640	0.041587480	0.024812520	3.7
42	4	10	6	8	0.01500	0.042832810	0.027832810	18.6
43	5	11	7	9	0.02440	0.042260860	0.017860860	7.3
44	6	12	8	10	0.01360	0.053829830	0.040229830	29.6
45	7	13	9	11	0.01060	0.069017390	0.058417390	55.1
46	8	14	10	12	0.04200	0.065009820	0.023009820	5.5
47	9	15	11	13	56.90000	0.053686070	56.846313930	10.0
48	10	16	12	14	1.07000	0.048867750	1.021132250	9.5
49	1	11	5	7	0.01390	0.014907110	0.001007110	.7
50	2	12	6	8	0.01080	0.017317450	0.006517450	6.0
51	3	13	7	9	0.03080	0.021522070	0.009277930	3.0
52	4	14	8	10	0.06200	0.033539280	0.028460720	4.6
53	5	15	9	11	75.70000	0.043664180	75.656335820	10.0
54	1	15	7	9	124.00000	0.014028470	123.985971530	10.0
55	2	16	8	10	0.98700	0.023220720	0.963779280	9.8
56	1	10	4	7	0.01140	0.027839150	0.016439150	14.4
57	2	11	5	8	0.01290	0.030659420	0.017759420	13.8
58	3	12	6	9	0.01850	0.036599850	0.018099850	9.8
59	4	13	7	10	0.00964	0.046562360	0.036922360	38.3
60	5	14	8	11	0.05160	0.063961640	0.012361640	2.4
61	6	15	9	12	56.80000	0.064965330	56.735034670	10.0
62	7	16	10	13	0.74200	0.058842250	0.683157750	9.2
63	1	16	7	10	1.69000	0.023937070	1.666062930	9.9
64	1	13	5	9	0.01500	0.028867700	0.013867700	9.2



65	2	14	6	10	0.07780	0.043600190	0.034199810	4.4
66	3	15	7	11	75.90000	0.057872110	75.842127890	10.0
67	4	16	8	12	0.67900	0.064362350	0.614637650	9.1

LETTURE SCARTATE PER ECCESSIVO RUMORE

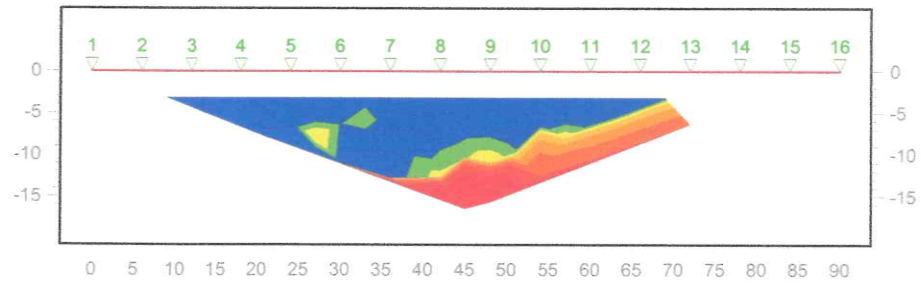
A	B	M	N	V/I
9	16	12	13	262
7	16	11	12	244
6	16	10	12	351



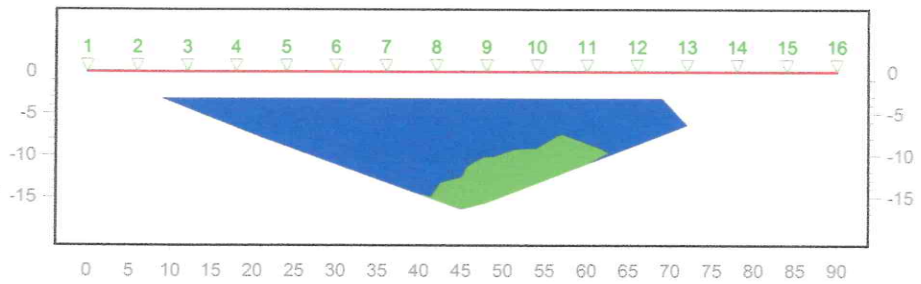
# STRADA MARE E MONTI TE06

## WENNER-SCHLUMBERGER

Pseudosezione resistività apparente



Pseudosezione resistività calcolata



## FOTO STENDIMENTO

TE07	37°34.663'N	13°22.946'E	201,5 m
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METHODE=WENNER-SCHLUMBERGER TE07

a[m]=6,5

a	b	m	n	V/I[ohm]	V[V]	I[A]	R[ohm*m]	SP[V]	NV	NI
1	4	2	3	2.07e+00	5.462e-01	0.263258	6.519e+01	-0.083	6.55e-04	3.14e-03
2	5	3	4	2.42e+00	5.083e-01	0.210431	7.589e+01	-0.415	8.32e-04	1.14e-03
3	6	4	5	1.10e+00	3.507e-01	0.318107	3.463e+01	-0.117	1.08e-03	1.95e-03
4	7	5	6	1.41e+00	4.520e-01	0.319968	4.438e+01	-0.009	6.63e-04	8.43e-04
5	8	6	7	2.91e-01	8.024e-02	0.275559	9.148e+00	-0.013	1.01e-03	6.00e-03
6	9	7	8	2.55e-01	8.103e-02	0.318199	8.000e+00	-0.101	1.01e-03	1.90e-03
7	10	8	9	2.23e-01	7.120e-02	0.318610	7.021e+00	-0.056	9.59e-04	1.98e-03
8	11	9	10	2.46e-01	7.853e-02	0.318670	7.742e+00	-0.112	1.19e-03	3.60e-03
9	12	10	11	2.41e-01	7.656e-02	0.318140	7.561e+00	-0.112	1.13e-03	2.29e-03
10	13	11	12	2.82e-01	8.996e-02	0.318703	8.868e+00	-0.101	1.12e-03	2.85e-03
11	14	12	13	2.58e-01	8.218e-02	0.318487	8.106e+00	-0.088	1.10e-03	3.08e-03
12	15	13	14	4.07e-01	1.296e-01	0.318335	1.279e+01	-0.035	1.21e-03	2.08e-03
13	16	14	15	2.66e-01	8.448e-02	0.318063	8.344e+00	-0.135	1.04e-03	1.51e-03
14	17	15	16	3.17e-01	1.009e-01	0.318097	9.962e+00	-0.123	1.05e-03	1.57e-03
15	18	16	17	2.65e-01	8.397e-02	0.316899	8.324e+00	-0.022	1.33e-03	2.99e-03
16	19	17	18	2.94e-01	9.360e-02	0.318308	9.238e+00	-0.107	8.76e-04	2.20e-03
17	20	18	19	2.55e-01	8.114e-02	0.317778	8.021e+00	-0.049	8.61e-04	1.60e-03
18	21	19	20	2.55e-01	8.092e-02	0.317724	8.002e+00	-0.035	9.70e-04	2.06e-03
19	22	20	21	2.48e-01	7.893e-02	0.318161	7.794e+00	-0.269	9.60e-04	2.13e-03
20	23	21	22	3.82e-01	1.221e-01	0.319224	1.201e+01	-0.064	1.24e-03	1.24e-03
21	24	22	23	3.54e-01	1.123e-01	0.317604	1.111e+01	-0.153	9.59e-04	1.67e-03
22	25	23	24	3.62e-01	1.147e-01	0.317132	1.136e+01	-0.116	1.13e-03	2.70e-03
23	26	24	25	3.54e-01	1.132e-01	0.319445	1.113e+01	-0.148	7.35e-04	1.42e-03
24	27	25	26	2.10e-01	6.680e-02	0.317400	6.612e+00	-0.023	9.13e-04	2.08e-03
25	28	26	27	2.13e-01	6.764e-02	0.318004	6.683e+00	-0.204	8.34e-04	1.63e-03
26	29	27	28	1.63e-01	5.175e-02	0.317288	5.124e+00	-0.119	1.14e-03	2.54e-03
27	30	28	29	1.65e-01	5.236e-02	0.317277	5.185e+00	-0.034	1.00e-03	1.73e-03

28	31	29	30	3.72e+01	1.181e+01	0.317074	1.170e+03	0.164	1.01e-02	1.65e-03
29	32	30	31	7.94e-02	2.528e-02	0.318296	2.495e+00	-0.336	1.14e-03	2.02e-03
1	6	3	4	4.15e-01	1.326e-01	0.319498	3.912e+01	0.003	6.91e-04	2.66e-04
2	7	4	5	2.37e-01	7.587e-02	0.319921	2.235e+01	-0.068	5.45e-04	9.51e-04
3	8	5	6	2.10e-01	6.722e-02	0.319422	1.983e+01	-0.496	1.18e-03	2.94e-03
4	9	6	7	8.64e-02	2.768e-02	0.320251	8.145e+00	-0.032	8.18e-04	2.62e-04
5	10	7	8	7.06e-02	1.743e-02	0.246828	6.655e+00	-0.084	9.55e-04	5.03e-03
6	11	8	9	9.84e-02	3.137e-02	0.318757	9.275e+00	-0.012	9.47e-04	1.66e-03
7	12	9	10	1.00e-01	3.200e-02	0.319007	9.455e+00	-0.074	1.29e-03	2.35e-03
8	13	10	11	9.70e-02	3.090e-02	0.318511	9.143e+00	-0.091	9.91e-04	1.91e-03
9	14	11	12	8.23e-02	2.619e-02	0.318206	7.756e+00	-0.080	1.24e-03	1.72e-03
10	15	12	13	9.02e-02	2.875e-02	0.318745	8.501e+00	-0.044	1.09e-03	1.87e-03
11	16	13	14	1.58e-01	5.032e-02	0.318569	1.489e+01	0.000	1.20e-03	1.74e-03
12	17	14	15	8.56e-02	2.721e-02	0.317911	8.068e+00	-0.089	1.05e-03	1.61e-03
13	18	15	16	9.17e-02	2.921e-02	0.318661	8.639e+00	-0.103	1.06e-03	1.52e-03
14	19	16	17	9.16e-02	2.914e-02	0.318064	8.634e+00	-0.007	8.34e-04	1.63e-03
15	20	17	18	9.63e-02	3.055e-02	0.317152	9.079e+00	-0.077	8.24e-04	1.98e-03
16	21	18	19	9.45e-02	2.998e-02	0.317383	8.902e+00	-0.008	8.00e-04	2.23e-03
17	22	19	20	7.89e-02	2.501e-02	0.317080	7.435e+00	0.003	9.77e-04	2.25e-03
18	23	20	21	1.05e-01	3.371e-02	0.319717	9.937e+00	-0.231	9.24e-04	1.02e-03
19	24	21	22	1.02e-01	3.256e-02	0.317766	9.657e+00	-0.018	5.66e-04	2.04e-03
20	25	22	23	8.75e-02	2.779e-02	0.317694	8.246e+00	-0.097	6.73e-04	1.65e-03
21	26	23	24	1.00e-01	3.188e-02	0.317976	9.451e+00	-0.068	1.03e-03	1.87e-03
22	27	24	25	1.10e-01	3.496e-02	0.317189	1.039e+01	-0.054	1.18e-03	1.64e-03
23	28	25	26	4.68e-02	1.495e-02	0.319453	4.412e+00	-0.022	7.68e-04	5.15e-04
24	29	26	27	7.02e-02	2.232e-02	0.318125	6.614e+00	-0.093	8.53e-04	1.78e-03
25	30	27	28	6.51e-02	2.066e-02	0.317528	6.132e+00	-0.075	1.06e-03	2.49e-03
26	31	28	29	3.93e+01	1.247e+01	0.317089	3.708e+03	0.069	9.24e-03	2.05e-03
27	32	29	30	8.66e-02	2.756e-02	0.318076	8.166e+00	-0.033	6.47e-04	1.87e-03
1	8	4	5	8.31e-02	2.657e-02	0.319613	1.567e+01	-0.059	8.19e-04	3.09e-04

2	9	5	6	7.75e-02	2.479e-02	0.319989	1.460e+01	0.022	6.84e-04	2.40e-04
3	10	6	7	3.77e-02	1.209e-02	0.320357	7.113e+00	-0.008	8.95e-04	8.05e-04
4	11	7	8	2.57e-02	6.685e-03	0.259731	4.851e+00	-0.514	8.30e-04	3.01e-03
5	12	8	9	1.11e-02	2.512e-03	0.225777	2.097e+00	0.007	1.01e-03	3.95e-03
6	13	9	10	5.96e-02	1.901e-02	0.319191	1.123e+01	-0.066	7.24e-04	9.90e-04
7	14	10	11	4.52e-02	1.441e-02	0.318604	8.528e+00	-0.063	1.04e-03	2.18e-03
8	15	11	12	5.18e-02	1.657e-02	0.319867	9.767e+00	-0.092	8.87e-04	1.88e-03
9	16	12	13	4.78e-02	1.526e-02	0.319143	9.012e+00	-0.023	1.23e-03	1.58e-03
10	17	13	14	8.93e-02	2.850e-02	0.318983	1.684e+01	0.012	8.98e-04	2.17e-03
11	18	14	15	3.66e-02	1.169e-02	0.319534	6.896e+00	-0.064	6.91e-04	2.08e-03
12	19	15	16	4.37e-02	1.390e-02	0.318023	8.237e+00	-0.103	9.51e-04	1.61e-03
13	20	16	17	3.97e-02	1.261e-02	0.317982	7.476e+00	0.004	9.71e-04	1.38e-03
14	21	17	18	5.52e-02	1.762e-02	0.318988	1.041e+01	-0.067	8.07e-04	1.89e-03
15	22	18	19	4.57e-02	1.460e-02	0.319354	8.618e+00	-0.003	8.64e-04	1.98e-03
16	23	19	20	5.97e-02	1.911e-02	0.319828	1.126e+01	0.029	6.58e-04	2.39e-04
17	24	20	21	4.02e-02	1.278e-02	0.318156	7.573e+00	-0.221	9.40e-04	1.80e-03
18	25	21	22	4.72e-02	1.505e-02	0.318814	8.897e+00	0.001	1.05e-03	1.84e-03
19	26	22	23	4.57e-02	1.458e-02	0.318942	8.619e+00	-0.083	8.87e-04	1.39e-03
20	27	23	24	4.99e-02	1.585e-02	0.317649	9.406e+00	-0.056	8.64e-04	2.31e-03
21	28	24	25	5.61e-02	1.784e-02	0.318086	1.057e+01	-0.035	1.21e-03	1.36e-03
22	29	25	26	3.06e-02	9.725e-03	0.318156	5.761e+00	-0.010	7.10e-04	2.28e-03
23	30	26	27	1.75e-02	5.587e-03	0.319599	3.295e+00	-0.071	8.95e-04	2.76e-04
24	31	27	28	4.77e+01	1.522e+01	0.319127	8.989e+03	-0.047	1.01e-02	9.81e-04
25	32	28	29	6.66e-02	2.121e-02	0.318453	1.255e+01	0.142	1.08e-03	1.70e-03
1	10	5	6	2.99e-02	8.498e-03	0.284373	9.388e+00	0.033	9.05e-04	3.23e-03
2	11	6	7	1.11e-02	3.292e-03	0.296186	3.492e+00	-0.013	6.00e-04	7.88e-03
3	12	7	8	1.91e-02	6.127e-03	0.320025	6.015e+00	-0.072	1.09e-03	2.15e-04
4	13	8	9	1.14e-02	3.087e-03	0.269854	3.594e+00	0.018	9.16e-04	2.64e-03
5	14	9	10	1.87e-02	3.680e-03	0.196712	5.877e+00	-0.456	6.38e-04	3.18e-03
6	15	10	11	3.25e-02	1.041e-02	0.320747	1.020e+01	-0.058	1.10e-03	9.30e-04



7	16	11	12	3.15e-02	1.009e-02	0.320460	9.896e+00	-0.066	1.13e-03	1.02e-03
8	17	12	13	3.34e-02	1.067e-02	0.319324	1.050e+01	-0.004	9.38e-04	1.58e-03
9	18	13	14	5.92e-02	1.899e-02	0.320818	1.860e+01	0.118	8.27e-04	1.50e-03
10	19	14	15	2.08e-02	6.649e-03	0.320448	6.519e+00	-0.162	8.15e-04	1.01e-03
11	20	15	16	2.59e-02	8.287e-03	0.319849	8.139e+00	-0.112	8.21e-04	1.14e-03
12	21	16	17	2.37e-02	7.600e-03	0.320006	7.461e+00	0.014	9.60e-04	1.20e-03
13	22	17	18	2.92e-02	9.331e-03	0.319698	9.170e+00	-0.062	1.00e-03	1.14e-03
14	23	18	19	5.36e-02	1.583e-02	0.295512	1.683e+01	0.006	9.34e-04	1.74e-02
15	24	19	20	2.05e-02	6.579e-03	0.320280	6.453e+00	0.036	1.02e-03	7.52e-04
16	25	20	21	2.26e-02	7.242e-03	0.319916	7.112e+00	-0.220	7.70e-04	1.18e-03
17	26	21	22	2.97e-02	9.478e-03	0.319650	9.315e+00	0.010	7.57e-04	1.03e-03
18	27	22	23	2.79e-02	8.915e-03	0.319349	8.770e+00	-0.072	7.85e-04	1.11e-03
19	28	23	24	3.40e-02	1.088e-02	0.319571	1.070e+01	-0.048	9.32e-04	1.37e-03
20	29	24	25	3.60e-02	1.150e-02	0.319864	1.130e+01	-0.029	9.57e-04	2.18e-03
21	30	25	26	1.89e-02	6.027e-03	0.319275	5.931e+00	-0.108	7.07e-04	1.32e-03
22	31	26	27	3.99e+01	1.274e+01	0.319341	1.253e+04	-0.005	1.01e-02	7.72e-04
23	32	27	28	3.09e-02	8.821e-03	0.285266	9.714e+00	0.082	1.14e-03	1.15e-02
1	12	6	7	5.67e-03	1.391e-03	0.245237	2.673e+00	-0.016	7.61e-04	2.77e-03
2	13	7	8	4.73e-04	1.056e-04	0.223203	2.229e-01	-0.054	2.03e-03	1.62e-02
3	14	8	9	1.12e-02	2.541e-03	0.226180	5.294e+00	0.022	1.23e-03	1.34e-02
4	15	9	10	4.09e-03	8.862e-04	0.216408	1.930e+00	-0.017	8.11e-04	4.67e-03
5	16	10	11	1.45e-02	2.477e-03	0.171115	6.820e+00	-0.019	1.12e-03	2.47e-03
6	17	11	12	1.57e-02	5.041e-03	0.320428	7.414e+00	-0.476	1.28e-03	5.48e-04
7	18	12	13	2.35e-02	7.535e-03	0.320190	1.109e+01	0.031	1.20e-03	6.02e-04
8	19	13	14	4.28e-02	1.370e-02	0.320058	2.017e+01	0.089	8.70e-04	1.69e-03
9	20	14	15	1.66e-02	5.299e-03	0.320091	7.802e+00	-0.128	1.04e-03	8.92e-04
10	21	15	16	1.98e-02	6.332e-03	0.319902	9.328e+00	-0.031	1.04e-03	6.03e-04
11	22	16	17	1.47e-02	4.718e-03	0.320150	6.945e+00	-0.074	1.14e-03	5.27e-04
12	23	17	18	3.67e-02	8.281e-03	0.225891	1.727e+01	-0.060	1.76e-03	1.76e-02
13	24	18	19	1.66e-02	5.305e-03	0.319959	7.814e+00	0.015	7.82e-04	5.85e-04

14	25	19	20	1.51e-02	4.830e-03	0.320014	7.112e+00	0.044	6.38e-04	7.57e-04
15	26	20	21	1.40e-02	4.495e-03	0.320281	6.614e+00	-0.226	1.10e-03	2.62e-04
16	27	21	22	2.07e-02	6.638e-03	0.320122	9.771e+00	0.018	4.96e-04	5.81e-04
17	28	22	23	2.08e-02	6.649e-03	0.320090	9.789e+00	-0.039	8.91e-04	6.79e-04
18	29	23	24	2.38e-02	7.635e-03	0.320313	1.123e+01	-0.168	6.23e-04	9.25e-04
19	30	24	25	2.45e-02	7.829e-03	0.319771	1.154e+01	-0.049	6.35e-04	1.39e-03
20	31	25	26	5.16e+01	1.648e+01	0.319624	2.430e+04	-0.110	8.44e-03	6.32e-04
21	32	26	27	4.39e-02	1.404e-02	0.319795	2.069e+01	0.133	1.11e-03	7.90e-04
1	14	7	8	7.69e-03	1.725e-03	0.224312	5.075e+00	-0.059	9.19e-04	9.27e-03
2	15	8	9	1.58e-03	3.052e-04	0.193478	1.041e+00	0.017	2.64e-03	1.22e-02
3	16	9	10	1.16e-02	2.359e-03	0.203277	7.657e+00	-0.002	1.06e-03	1.60e-02
4	17	10	11	1.50e-03	2.758e-04	0.184015	9.889e-01	-0.022	3.34e-03	1.24e-02
5	18	11	12	1.53e-02	2.482e-03	0.161951	1.012e+01	-0.078	8.93e-04	2.52e-03
6	19	12	13	1.52e-02	4.865e-03	0.320545	1.001e+01	-0.313	6.32e-04	1.88e-04
7	20	13	14	3.26e-02	1.046e-02	0.320835	2.152e+01	0.124	9.87e-04	4.44e-04
8	21	14	15	1.24e-02	3.961e-03	0.320294	8.160e+00	-0.211	7.81e-04	6.43e-04
9	22	15	16	1.74e-02	5.581e-03	0.320493	1.149e+01	0.078	6.62e-04	1.68e-04
10	23	16	17	2.60e-02	5.188e-03	0.199286	1.717e+01	0.125	1.91e-03	1.53e-02
11	24	17	18	9.04e-03	1.661e-03	0.183716	5.964e+00	-0.236	8.26e-04	1.50e-02
12	25	18	19	1.14e-02	3.668e-03	0.320577	7.549e+00	-0.031	6.98e-04	2.26e-04
13	26	19	20	9.69e-03	3.105e-03	0.320538	6.390e+00	0.013	1.17e-03	2.27e-04
14	27	20	21	1.25e-02	4.002e-03	0.320104	8.249e+00	-0.229	7.35e-04	5.29e-04
15	28	21	22	1.98e-02	3.686e-03	0.186245	1.306e+01	-0.085	8.62e-04	1.44e-02
16	29	22	23	1.38e-02	4.419e-03	0.320419	9.099e+00	-0.044	1.21e-03	2.33e-04
17	30	23	24	1.74e-02	5.564e-03	0.320151	1.146e+01	-0.061	5.07e-04	7.97e-04
18	31	24	25	3.91e+01	1.253e+01	0.320235	2.581e+04	0.047	8.62e-03	3.78e-04
19	32	25	26	3.12e-02	9.977e-03	0.320205	2.056e+01	0.148	5.29e-04	5.76e-04
1	16	8	9	6.83e-03	1.279e-03	0.187232	6.011e+00	0.028	3.43e-03	1.37e-02
2	17	9	10	7.41e-04	1.291e-04	0.174272	6.517e-01	-0.027	2.58e-03	1.17e-02
3	18	10	11	5.72e-03	1.068e-03	0.186667	5.033e+00	-0.032	1.47e-03	1.13e-02

4	19	11	12	4.40e-03	7.219e-04	0.164078	3.870e+00	-0.037	3.29e-03	1.40e-02
5	20	12	13	1.14e-02	1.702e-03	0.149277	1.003e+01	-0.018	9.86e-04	2.31e-03
6	21	13	14	2.82e-02	9.038e-03	0.320816	2.478e+01	-0.012	1.01e-03	2.06e-04
7	22	14	15	7.40e+00	1.274e+00	0.172208	6.507e+03	-1.475	1.06e-01	1.58e-02
8	23	15	16	2.51e-02	4.261e-03	0.169416	2.212e+01	-0.201	2.12e-03	1.64e-02
9	24	16	17	2.11e-02	3.404e-03	0.161549	1.853e+01	-0.076	9.55e-03	1.41e-02
10	25	17	18	5.81e-03	9.507e-04	0.163770	5.107e+00	-0.092	8.76e-04	1.72e-02
11	26	18	19	1.33e-02	2.025e-03	0.152312	1.169e+01	0.067	8.22e-04	1.19e-02
12	27	19	20	4.45e-03	7.571e-04	0.170224	3.912e+00	-0.253	1.04e-03	1.10e-02
13	28	20	21	2.24e-02	5.358e-03	0.239158	1.971e+01	-0.327	5.20e-03	8.25e-02
14	29	21	22	1.35e-02	4.331e-03	0.321132	1.186e+01	0.024	7.32e-04	4.40e-04
15	30	22	23	1.26e-02	2.218e-03	0.175891	1.109e+01	-0.081	6.13e-04	1.04e-02
16	31	23	24	5.32e+01	8.553e+00	0.160626	4.684e+04	0.159	6.03e-01	1.48e-02
17	32	24	25	4.76e-02	1.527e-02	0.321066	4.184e+01	0.128	1.06e-03	3.57e-04
1	18	9	10	2.13e-03	3.228e-04	0.151663	2.407e+00	0.013	3.63e-03	1.10e-02
2	19	10	11	1.13e-01	9.202e-03	0.081120	1.283e+02	-0.043	4.65e-03	8.16e-02
3	20	11	12	2.54e-03	4.108e-04	0.161809	2.871e+00	-0.053	1.11e-03	1.42e-02
4	21	12	13	3.55e-01	3.421e-02	0.096362	4.016e+02	-0.145	4.08e-02	8.76e-02
5	22	13	14	4.13e-02	4.331e-03	0.104852	4.672e+01	0.009	5.47e-03	8.66e-03
6	23	14	15	3.75e-01	1.990e-02	0.053114	4.236e+02	-0.242	1.11e-02	5.26e-02
7	24	15	16	9.21e-03	1.356e-03	0.147137	1.042e+01	-0.065	8.22e-04	9.97e-03
8	25	16	17	1.63e-02	2.717e-03	0.166627	1.844e+01	0.091	6.03e-04	9.61e-03
9	26	17	18	1.53e-04	2.348e-05	0.153463	1.730e-01	-0.291	9.03e-04	1.56e-02
10	27	18	19	1.62e-02	2.295e-03	0.141562	1.833e+01	0.216	8.67e-04	1.06e-02
11	28	19	20	2.06e-03	3.228e-04	0.156518	2.332e+00	-0.182	8.02e-04	1.38e-02
12	29	20	21	1.18e-02	1.720e-03	0.145964	1.332e+01	0.128	1.01e-03	1.36e-02
13	30	21	22	5.22e-01	1.268e-01	0.243033	5.901e+02	-0.171	1.20e-03	7.91e-02
14	31	22	23	7.35e+02	7.833e+01	0.106584	8.312e+05	-17.706	8.11e+00	0.00e+00
15	32	23	24	1.87e-03	2.817e-04	0.150253	2.120e+00	-0.655	8.76e-04	1.47e-02
1	20	10	11	1.44e+00	2.782e-01	0.193761	2.030e+03	-0.332	7.63e-02	1.38e-01



2	21	11	12	3.20e-01	1.692e-02	0.052904	4.521e+02	-0.072	2.91e-03	5.27e-02
3	22	12	13	6.05e+00	1.172e+00	0.193896	8.547e+03	-1.294	8.11e-01	1.83e-01
4	23	13	14	4.51e-01	2.388e-02	0.052934	6.378e+02	-0.297	1.80e-02	5.27e-02
5	24	14	15	2.43e-01	1.285e-02	0.052863	3.437e+02	0.024	9.05e-03	5.27e-02
6	25	15	16	9.19e-04	1.409e-04	0.153276	1.299e+00	-0.137	9.45e-04	1.54e-02
7	26	16	17	3.78e-01	2.904e-02	0.076729	5.350e+02	0.015	2.85e-03	7.72e-02
8	27	17	18	6.36e-03	9.038e-04	0.142077	8.993e+00	-0.175	1.05e-03	1.14e-02
9	28	18	19	3.46e-01	7.125e-02	0.206161	4.886e+02	0.048	8.25e-04	6.09e-02
10	29	19	20	9.88e-03	1.391e-03	0.140783	1.397e+01	0.087	1.04e-03	1.14e-02
11	30	20	21	4.22e-01	8.782e-02	0.207862	5.973e+02	-0.080	5.78e-02	5.23e-02
12	31	21	22	6.48e+01	4.679e+00	0.072204	9.161e+04	2.057	3.85e-01	7.28e-02
13	32	22	23	1.38e-02	1.937e-03	0.140150	1.954e+01	-0.381	1.00e-02	9.35e-03
1	22	11	12	3.80e+00	2.014e-01	0.052985	6.568e+03	-0.385	5.91e-03	5.28e-02
2	23	12	13	3.81e+00	2.018e-01	0.052922	6.589e+03	0.056	2.14e-01	5.27e-02
3	24	13	14	4.21e+00	3.326e-01	0.078953	7.278e+03	-0.820	8.65e-01	7.88e-02
4	25	14	15	3.85e+00	2.041e-01	0.052957	6.660e+03	-0.089	2.27e-03	5.28e-02
5	26	15	16	2.41e+01	1.278e+00	0.052955	4.169e+04	-1.548	1.13e-02	5.28e-02
6	27	16	17	5.29e-03	7.747e-04	0.146419	9.142e+00	0.031	1.05e-03	1.50e-02
7	28	17	18	4.98e-01	3.407e-02	0.068451	8.601e+02	-0.175	2.39e-03	6.86e-02
8	29	18	19	2.60e-01	2.035e-02	0.078155	4.500e+02	0.068	3.19e-02	7.79e-02
9	30	19	20	2.70e-01	1.967e-02	0.072796	4.669e+02	0.026	2.31e-03	7.34e-02
10	31	20	21	3.65e+01	2.542e+00	0.069656	6.305e+04	2.619	2.70e-01	6.99e-02
11	32	21	22	2.19e-01	1.686e-02	0.076952	3.786e+02	-0.100	7.53e-02	7.71e-02
1	24	12	13	3.78e+00	2.000e-01	0.052930	7.836e+03	-0.110	1.82e-03	5.27e-02
2	25	13	14	2.17e+01	1.151e+00	0.053012	4.504e+04	-1.508	1.51e-02	5.28e-02
3	26	14	15	8.01e-01	6.092e-02	0.076062	1.661e+03	0.026	1.31e-01	7.63e-02
4	27	15	16	2.32e+01	1.229e+00	0.052979	4.809e+04	-1.483	1.10e-02	5.28e-02
5	28	16	17	2.52e+01	1.331e+00	0.052918	5.216e+04	-1.509	9.26e-03	5.27e-02
6	29	17	18	2.76e-01	2.103e-02	0.076058	5.733e+02	-0.146	1.57e-03	7.67e-02
7	30	18	19	4.45e-02	9.232e-03	0.207582	9.221e+01	0.063	5.31e-02	5.97e-02

9	32	20	21	2.48e-01	5.170e-02	0.208232	5.148e+02	0.207	4.69e-02	5.91e-02
1	26	13	14	2.46e+01	1.302e+00	0.052981	6.023e+04	-1.618	1.55e-02	5.28e-02
2	27	14	15	2.46e+01	1.304e+00	0.052973	6.032e+04	-1.416	1.27e-02	5.28e-02
3	28	15	16	3.21e-01	1.697e-02	0.052932	7.857e+02	-0.072	1.59e-03	5.27e-02
4	29	16	17	2.86e+00	1.516e-01	0.053023	7.004e+03	-0.130	1.76e-03	5.28e-02
5	30	17	18	2.48e+01	1.314e+00	0.052967	6.080e+04	-1.623	2.01e-02	5.28e-02
6	31	18	19	2.94e+01	4.745e+00	0.161265	7.211e+04	0.094	1.27e-01	1.02e-02
7	32	19	20	2.91e-02	4.091e-03	0.140549	7.132e+01	0.003	7.40e-04	1.26e-02
1	28	14	15	3.62e+00	1.919e-01	0.052976	1.035e+04	-0.125	1.89e-03	5.28e-02
2	29	15	16	2.41e+01	1.276e+00	0.053042	6.879e+04	-1.521	1.26e-02	5.28e-02
3	30	16	17	4.78e-01	2.518e-02	0.052673	1.366e+03	-0.204	1.02e-02	5.25e-02
4	31	17	18	6.83e+01	3.619e+00	0.052964	1.954e+05	1.385	1.17e+00	5.28e-02
5	32	18	19	2.18e+01	1.155e+00	0.052922	6.238e+04	-1.698	7.46e-03	5.27e-02
1	30	15	16	2.40e+01	1.274e+00	0.052989	7.928e+04	-1.518	1.81e-02	5.28e-02
2	31	16	17	6.81e+01	3.614e+00	0.053028	2.248e+05	0.717	3.07e-01	5.28e-02
3	32	17	18	6.77e+00	5.093e-01	0.075246	2.233e+04	-0.880	1.02e+00	7.59e-02
1	32	16	17	2.80e+01	1.485e+00	0.053003	1.056e+05	-1.294	1.52e-02	5.28e-02
1	7	3	5	1.79e+01	9.479e-01	0.052983	1.124e+03	-1.766	1.59e-02	5.28e-02
2	8	4	6	2.84e+01	1.507e+00	0.053043	1.785e+03	-1.137	1.56e-02	5.28e-02
3	9	5	7	3.01e+01	1.599e+00	0.053095	1.892e+03	-0.605	1.01e+00	5.29e-02
4	10	6	8	2.79e+01	1.480e+00	0.052968	1.756e+03	-1.320	1.41e-02	5.28e-02
5	11	7	9	1.97e+01	1.328e+00	0.067276	1.241e+03	-1.492	9.60e-03	6.71e-02
6	12	8	10	1.46e+00	1.040e-01	0.071009	9.201e+01	-0.045	1.19e-01	7.09e-02
7	13	9	11	1.07e+00	8.283e-02	0.077588	6.708e+01	-0.025	1.29e-01	7.79e-02
8	14	10	12	1.52e-01	2.289e-02	0.150537	9.553e+00	-0.413	7.14e-03	1.60e-02
9	15	11	13	1.53e+00	1.145e-01	0.074614	9.640e+01	-0.124	5.30e-02	7.51e-02
10	16	12	14	5.04e-01	3.763e-02	0.074682	3.166e+01	-0.429	1.53e-01	7.50e-02
11	17	13	15	2.04e+00	1.533e-01	0.075024	1.284e+02	-0.113	8.09e-04	7.52e-02
12	18	14	16	4.76e+00	3.469e-01	0.072937	2.988e+02	0.259	3.12e-01	7.35e-02

13	19	15	17	5.12e-01	6.801e-02	0.132842	3.217e+01	0.118	1.40e-01	1.33e-01
14	20	16	18	1.56e-01	5.022e-02	0.322164	9.795e+00	0.113	9.54e-04	5.79e-04
15	21	17	19	4.05e-01	3.034e-02	0.074978	2.542e+01	-0.267	3.80e-02	7.53e-02
16	22	18	20	8.20e-01	6.102e-02	0.074394	5.153e+01	-0.560	1.96e-01	7.43e-02
17	23	19	21	2.58e+01	1.370e+00	0.053046	1.622e+03	-1.306	1.11e-02	5.28e-02
18	24	20	22	1.84e-01	2.590e-02	0.141048	1.154e+01	0.583	9.48e-04	1.49e-02
19	25	21	23	6.70e-01	1.366e-01	0.203968	4.209e+01	0.006	7.02e-02	5.52e-02
20	26	22	24	1.83e-01	1.359e-02	0.074459	1.147e+01	-0.449	5.74e-02	7.45e-02
21	27	23	25	4.03e-01	2.130e-02	0.052914	2.530e+01	-0.475	6.24e-03	5.27e-02
22	28	24	26	8.18e-01	4.302e-02	0.052562	5.142e+01	-0.044	9.82e-03	5.24e-02
23	29	25	27	2.58e+01	1.370e+00	0.053008	1.624e+03	-1.424	1.30e-02	5.28e-02
24	30	26	28	2.14e+00	1.140e-01	0.053272	1.345e+02	0.057	1.79e-01	5.27e-02
25	31	27	29	6.04e+01	3.203e+00	0.053051	3.793e+03	2.881	3.70e-01	5.29e-02
26	32	28	30	2.34e+01	1.240e+00	0.053095	1.467e+03	-1.382	6.16e-03	5.29e-02
1	11	5	7	3.06e+01	1.621e+00	0.053030	5.763e+03	-1.152	1.70e-02	5.28e-02
2	12	6	8	2.53e+01	1.340e+00	0.053022	4.762e+03	-1.424	1.34e-02	5.28e-02
3	13	7	9	1.23e+01	6.542e-01	0.053093	2.323e+03	-0.896	1.07e+00	5.29e-02
4	14	8	10	2.42e+01	1.281e+00	0.053005	4.557e+03	-1.568	1.14e-02	5.28e-02
5	15	9	11	2.77e+01	1.469e+00	0.052980	5.228e+03	-1.344	9.76e-03	5.28e-02
6	16	10	12	4.45e+00	2.364e-01	0.053120	8.388e+02	0.009	3.30e-01	5.29e-02
7	17	11	13	6.47e-01	3.398e-02	0.052541	1.219e+02	-0.157	8.53e-03	5.24e-02
8	18	12	14	1.46e+00	1.074e-01	0.073398	2.758e+02	-0.007	1.55e-01	7.38e-02
9	19	13	15	1.17e+00	6.232e-02	0.053082	2.213e+02	-0.123	7.86e-02	5.29e-02
10	20	14	16	9.48e-01	5.035e-02	0.053084	1.788e+02	-0.078	8.49e-02	5.29e-02
11	21	15	17	9.74e+00	5.172e-01	0.053073	1.837e+03	-0.791	1.07e+00	5.29e-02
12	22	16	18	9.04e+00	4.801e-01	0.053125	1.703e+03	-0.708	1.07e+00	5.29e-02
13	23	17	19	1.77e+01	9.406e-01	0.053016	3.344e+03	-1.037	1.05e+00	5.28e-02
14	24	18	20	4.57e-01	2.417e-02	0.052870	8.616e+01	-0.017	1.83e-03	5.27e-02
15	25	19	21	4.16e-01	2.200e-02	0.052950	7.832e+01	-0.029	1.95e-03	5.28e-02
16	26	20	22	6.69e-01	3.515e-02	0.052545	1.261e+02	-0.074	8.29e-03	5.24e-02



17	27	21	23	1.89e-01	2.018e-02	0.106584	3.568e+01	0.069	5.64e-02	0.00e+00
18	28	22	24	1.68e+01	8.896e-01	0.053090	3.158e+03	-1.313	7.84e-01	5.29e-02
19	29	23	25	3.96e-01	2.090e-02	0.052759	7.469e+01	-0.113	7.44e-02	5.26e-02
20	30	24	26	2.13e+00	1.790e-01	0.084217	4.006e+02	-0.128	8.14e-03	4.07e-02
21	31	25	27	4.62e+01	3.437e+00	0.074395	8.707e+03	2.898	3.11e-01	7.49e-02
22	32	26	28	5.69e-02	3.011e-03	0.052884	1.073e+01	0.143	1.16e-02	5.27e-02
1	15	7	9	3.27e-01	1.731e-02	0.052995	1.232e+02	-0.079	4.21e-02	5.28e-02
2	16	8	10	2.25e+01	1.190e+00	0.053015	8.465e+03	-1.470	1.19e-02	5.28e-02
3	17	9	11	3.11e+00	1.650e-01	0.053042	1.173e+03	-0.130	7.32e-04	5.28e-02
4	18	10	12	2.37e+01	1.255e+00	0.052980	8.928e+03	-1.592	1.21e-02	5.28e-02
5	19	11	13	2.27e+01	1.203e+00	0.052943	8.564e+03	-1.813	9.32e-03	5.27e-02
6	20	12	14	6.51e-01	3.463e-02	0.053218	2.453e+02	-0.002	1.18e-01	5.27e-02
7	21	13	15	4.81e+00	2.556e-01	0.053108	1.815e+03	0.341	3.79e-01	5.29e-02
8	22	14	16	1.17e+00	7.676e-02	0.065748	4.402e+02	-0.031	9.77e-02	6.59e-02
9	23	15	17	2.42e+01	1.284e+00	0.053106	9.113e+03	-1.454	8.48e-03	5.29e-02
10	24	16	18	2.68e-01	1.840e-02	0.068739	1.009e+02	0.009	1.53e-03	6.94e-02
11	25	17	19	5.37e-01	2.833e-02	0.052763	2.025e+02	0.033	1.95e-03	5.26e-02
12	26	18	20	2.18e+01	1.328e+00	0.060795	8.235e+03	-1.644	4.01e-02	5.17e-02
13	27	19	21	2.54e+00	1.351e-01	0.053137	9.585e+02	-0.265	1.63e-01	5.29e-02
14	28	20	22	2.90e-01	1.536e-02	0.052941	1.094e+02	0.030	9.38e-04	5.27e-02
15	29	21	23	4.60e-01	2.432e-02	0.052872	1.734e+02	0.045	1.52e-03	5.27e-02
16	30	22	24	2.13e+01	1.130e+00	0.053078	8.024e+03	-1.323	5.48e-01	5.29e-02
17	31	23	25	6.29e+01	4.081e+00	0.064830	2.373e+04	1.430	3.55e-01	6.49e-02
18	32	24	26	2.29e+01	1.213e+00	0.053082	8.616e+03	-1.415	8.78e-03	5.29e-02
1	19	9	11	2.64e+01	1.397e+00	0.052991	1.657e+04	-1.305	1.14e-02	5.28e-02
2	20	10	12	2.31e+01	1.226e+00	0.053105	1.450e+04	-1.511	1.21e-02	5.29e-02
3	21	11	13	2.20e+01	1.166e+00	0.053077	1.380e+04	-1.493	8.20e-03	5.29e-02
4	22	12	14	2.41e+01	1.275e+00	0.052995	1.512e+04	-1.386	1.61e-02	5.28e-02
5	23	13	15	2.52e+01	1.337e+00	0.052994	1.585e+04	-1.373	8.76e-03	5.28e-02
6	24	14	16	2.22e+01	1.181e+00	0.053116	1.397e+04	-1.448	8.84e-03	5.29e-02

7	25	15	17	1.61e+01	8.527e-01	0.053087	1.009e+04	-1.050	9.61e-01	5.29e-02
8	26	16	18	1.18e+01	6.254e-01	0.053167	7.391e+03	-0.782	1.14e+00	5.29e-02
9	27	17	19	1.03e+01	5.471e-01	0.053146	6.469e+03	-0.452	1.23e+00	5.29e-02
10	28	18	20	7.54e+00	4.002e-01	0.053083	4.737e+03	-0.132	1.64e-03	5.29e-02
11	29	19	21	9.77e+00	5.184e-01	0.053059	6.139e+03	-0.750	1.10e+00	5.29e-02
12	30	20	22	2.35e+01	1.249e+00	0.053101	1.477e+04	-1.388	7.86e-03	5.29e-02
13	31	21	23	5.90e+02	3.130e+01	0.053053	3.707e+05	25.945	3.80e+00	5.29e-02
14	32	22	24	2.69e-01	1.813e-02	0.067503	1.688e+02	-0.246	1.01e-02	6.81e-02
1	23	11	13	3.51e-01	2.177e-02	0.062095	3.305e+02	-0.878	1.25e-01	4.65e-02
2	24	12	14	3.58e-01	2.248e-02	0.062761	3.375e+02	-0.144	6.64e-02	4.74e-02
3	25	13	15	2.84e-01	1.502e-02	0.052990	2.672e+02	0.482	7.08e-03	5.28e-02
4	26	14	16	2.52e+01	1.339e+00	0.053069	2.379e+04	-1.588	1.66e-02	5.29e-02
5	27	15	17	2.35e+01	1.243e+00	0.053006	2.211e+04	-1.455	7.75e-03	5.28e-02
6	28	16	18	9.54e-01	5.024e-02	0.052671	8.989e+02	-0.028	6.82e-03	5.25e-02
7	29	17	19	1.27e+00	8.273e-02	0.065030	1.199e+03	0.122	1.84e-01	6.57e-02
8	30	18	20	2.21e+00	1.166e-01	0.052819	2.081e+03	-0.118	6.24e-03	5.26e-02
9	31	19	21	4.85e+01	2.577e+00	0.053080	4.575e+04	2.299	7.40e-02	5.29e-02
10	32	20	22	4.53e-01	2.386e-02	0.052706	4.267e+02	0.016	8.11e-04	5.25e-02
1	27	13	15	2.88e+01	1.528e+00	0.053043	3.802e+04	-1.142	1.28e-02	5.28e-02
2	28	14	16	2.39e+01	1.266e+00	0.053051	3.148e+04	-1.489	9.29e-03	5.29e-02
3	29	15	17	2.71e+00	1.434e-01	0.052885	3.578e+03	-0.163	1.49e-03	5.27e-02
4	30	16	18	2.81e+00	1.489e-01	0.053034	3.705e+03	-0.136	2.80e-03	5.28e-02
5	31	17	19	3.69e+01	2.815e+00	0.076350	4.865e+04	1.489	4.00e-02	5.52e-02
6	32	18	20	5.67e-01	2.991e-02	0.052728	7.485e+02	0.116	2.44e-03	5.25e-02
1	31	15	17	4.21e+01	2.233e+00	0.053016	7.411e+04	1.926	5.08e-02	5.28e-02
2	32	16	18	1.80e-01	9.507e-03	0.052944	3.159e+02	-0.180	1.33e-02	5.27e-02

DATI DI INPUT TOMOGRAFIA ELETTRICA  
STRADA MARE EMONTI TE07  
WENNER-SCHLUMBERGER

POSIZIONAMENTO ELETTRODI

N.	X	Z
1	0.0	0.00
2	6.5	0.75
3	13.0	1.50
4	19.5	2.25
5	26.0	3.00
6	32.5	3.00
7	39.0	3.00
8	45.5	3.00
9	52.0	3.00
10	58.5	3.00
11	65.0	3.00
12	71.5	3.00
13	78.0	2.75
14	84.5	2.50
15	91.0	2.75
16	97.5	3.00
17	104.0	2.95
18	110.5	2.90
19	117.0	2.80
20	123.5	2.75
21	130.0	2.70
22	136.5	2.65
23	143.0	2.60
24	149.5	2.55
25	156.0	2.50
26	162.5	2.48
27	169.0	2.45
28	175.5	2.40
29	182.0	2.36
30	188.5	2.30
31	195.0	2.25
32	201.5	2.20

CONDIZIONI INIZIALI

Resistività background omogeneo:	12562.9295603093
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LETTURE

n°	A	B	M	N	V/I Lett.	V/I Inv.	Delta V/I	% Err.
1	1	4	2	3	2.07000	2.017210000	0.052790000	0.3
2	2	5	3	4	2.42000	2.013533000	0.406467000	1.7
3	3	6	4	5	1.10000	1.849874000	0.749874000	6.8
4	4	7	5	6	1.41000	0.705223800	0.704776200	5.0
5	5	8	6	7	0.29100	1.049387000	0.758387000	26.1
6	6	9	7	8	0.25500	0.623572600	0.368572600	14.5
7	7	10	8	9	0.22300	0.812211800	0.589211800	26.4
8	8	11	9	10	0.24600	0.643826200	0.397826200	16.2
9	9	12	10	11	0.24100	0.707592700	0.466592700	19.4
10	10	13	11	12	0.28200	0.605314200	0.323314200	11.5
11	11	14	12	13	0.25800	0.479292400	0.221292400	8.6
12	12	15	13	14	0.40700	0.616498900	0.209498900	5.1
13	13	16	14	15	0.26600	0.445635500	0.179635500	6.8
14	14	17	15	16	0.31700	0.622652500	0.305652500	9.6
15	15	18	16	17	0.26500	0.662838400	0.397838400	15.0
16	16	19	17	18	0.29400	0.757929700	0.463929700	15.8
17	17	20	18	19	0.25500	0.776700000	0.521700000	20.5
18	18	21	19	20	0.25500	0.852022600	0.597022600	23.4
19	19	22	20	21	0.24800	0.811029300	0.563029300	22.7
20	20	23	21	22	0.38200	0.907600600	0.525600600	13.8
21	21	24	22	23	0.35400	0.760110100	0.406110100	11.5
22	22	25	23	24	0.36200	0.772529900	0.410529900	11.3
23	23	26	24	25	0.35400	0.690913900	0.336913900	9.5
24	24	27	25	26	0.21000	0.552072900	0.342072900	16.3
25	25	28	26	27	0.21300	0.583783600	0.370783600	17.4
26	26	29	27	28	0.16300	0.546806300	0.383806300	23.5
27	27	30	28	29	0.16500	0.638232600	0.473232600	28.7
28	28	31	29	30	37.20000	3.033494000	34.166506000	9.2
29	29	32	30	31	0.07940	1.184389000	1.104989000	139.2
30	1	6	3	4	0.41500	0.432816200	0.017816200	0.4
31	2	7	4	5	0.23700	0.499230100	0.262230100	11.1
32	3	8	5	6	0.21000	0.126537100	0.083462900	4.0
33	4	9	6	7	0.08640	0.207129700	0.120729700	14.0
34	5	10	7	8	0.07060	0.133502100	0.062902100	8.9
35	6	11	8	9	0.09840	0.114086900	0.015686900	1.6
36	7	12	9	10	0.10000	0.103772600	0.003772600	0.4
37	8	13	10	11	0.09700	0.133476100	0.036476100	3.8
38	9	14	11	12	0.08230	0.116935200	0.034635200	4.2
39	10	15	12	13	0.09020	0.073764440	0.016435560	1.8
40	11	16	13	14	0.15800	0.134207100	0.023792900	1.5
41	12	17	14	15	0.08560	0.096372890	0.010772890	1.3
42	13	18	15	16	0.09170	0.082092230	0.009607770	1.0
43	14	19	16	17	0.09160	0.115025200	0.023425200	2.6
44	15	20	17	18	0.09630	0.109260400	0.012960400	1.3
45	16	21	18	19	0.09450	0.101019600	0.006519600	0.7
46	17	22	19	20	0.07890	0.103955700	0.025055700	3.2



47	18	23	20	21	0.10500	0.114588400	0.009588400	0.9
48	19	24	21	22	0.10200	0.120706200	0.018706200	1.8
49	20	25	22	23	0.08750	0.109632900	0.022132900	2.5
50	21	26	23	24	0.10000	0.121610800	0.021610800	2.2
51	22	27	24	25	0.11000	0.130718400	0.020718400	1.9
52	23	28	25	26	0.04680	0.131904700	0.085104700	18.2
53	24	29	26	27	0.07020	0.155834800	0.085634800	12.2
54	25	30	27	28	0.06510	0.152221200	0.087121200	13.4
55	26	31	28	29	39.30000	0.260686300	39.039313700	9.9
56	27	32	29	30	0.08660	0.300669200	0.214069200	24.7
57	1	8	4	5	0.08310	0.187906400	0.104806400	12.6
58	2	9	5	6	0.07750	0.054637960	0.022862040	2.9
59	3	10	6	7	0.03770	0.082449820	0.044749820	11.9
60	4	11	7	8	0.02570	0.062154780	0.036454780	14.2
61	5	12	8	9	0.01110	0.059589550	0.048489550	43.7
62	6	13	9	10	0.05960	0.045933810	0.013666190	2.3
63	7	14	10	11	0.04520	0.065859790	0.020659790	4.6
64	8	15	11	12	0.05180	0.062107620	0.010307620	2.0
65	9	16	12	13	0.04780	0.038196710	0.009603290	2.0
66	10	17	13	14	0.08930	0.057433110	0.031866890	3.6
67	11	18	14	15	0.03660	0.045314840	0.008714840	2.4
68	12	19	15	16	0.04370	0.040288210	0.003411790	0.8
69	13	20	16	17	0.03970	0.043670380	0.003970380	1.0
70	14	21	17	18	0.05520	0.047087970	0.008112030	1.5
71	15	22	18	19	0.04570	0.035352630	0.010347370	2.3
72	16	23	19	20	0.05970	0.036943640	0.022756360	3.8
73	17	24	20	21	0.04020	0.042258740	0.002058740	0.5
74	18	25	21	22	0.04720	0.048441260	0.001241260	03
75	19	26	22	23	0.04570	0.047142960	0.001442960	03
76	20	27	23	24	0.04990	0.050790940	0.000890940	0.2
77	21	28	24	25	0.05610	0.070528220	0.014428220	2.6
78	22	29	25	26	0.03060	0.079225350	0.048625350	15.9
79	23	30	26	27	0.01750	0.089159240	0.071659240	40.9
80	24	31	27	28	47.70000	0.093816710	47.606183290	10.0
81	25	32	28	29	0.06660	0.073444810	0.006844810	1.0
82	1	10	5	6	0.02990	0.025869690	0.004030310	1.3
83	2	11	6	7	0.01110	0.049091840	0.037991840	34.2
84	3	12	7	8	0.01910	0.034689030	0.015589030	8.2
85	4	13	8	9	0.01140	0.040782400	0.029382400	25.8
86	5	14	9	10	0.01870	0.035344210	0.016644210	8.9
87	6	15	10	11	0.03250	0.049264070	0.016764070	5.2
88	7	16	11	12	0.03150	0.048834020	0.017334020	5.5
89	8	17	12	13	0.03340	0.027374560	0.006025440	1.8
90	9	18	13	14	0.05920	0.040104540	0.019095460	3.2
91	10	19	14	15	0.02080	0.031025930	0.010225930	4.9
92	11	20	15	16	0.02590	0.028479640	0.002579640	1.0
93	12	21	16	17	0.02370	0.032598640	0.008898640	3.8
94	13	22	17	18	0.02920	0.029557570	0.000357570	0.1



95	14	23	18	19	0.05360	0.023676070	0.029923930	5.6
96	15	24	19	20	0.02050	0.024634260	0.004134260	2.0
97	16	25	20	21	0.02260	0.028879740	0.006279740	2.8
98	17	26	21	22	0.02970	0.033952260	0.004252260	1.4
99	18	27	22	23	0.02790	0.033267320	0.005367320	1.9
100	19	28	23	24	0.03400	0.038170840	0.004170840	1.2
101	20	29	24	25	0.03600	0.055002950	0.019002950	5.3
102	21	30	25	26	0.01890	0.057927290	0.039027290	20.6
103	22	31	26	27	39.90000	0.069301930	39.830698070	10.0
104	23	32	27	28	0.03090	0.034153410	0.003253410	1.1
105	1	12	6	7	0.00567	0.027561120	0.021891120	38.6
106	3	14	8	9	0.01120	0.027320070	0.016120070	14.4
107	4	15	9	10	0.00409	0.027249910	0.023159910	56.6
108	5	16	10	11	0.01450	0.043599360	0.029099360	20.1
109	6	17	11	12	0.01570	0.041224620	0.025524620	16.3
110	7	18	12	13	0.02350	0.023071120	0.000428880	0.2
111	8	19	13	14	0.04280	0.033370930	0.009429070	2.2
112	9	20	14	15	0.01660	0.026162070	0.009562070	5.8
113	10	21	15	16	0.01980	0.022470550	0.002670550	1.3
114	11	22	16	17	0.01470	0.026003490	0.011303490	7.7
115	12	23	17	18	0.03670	0.025033900	0.011666100	3.2
116	13	24	18	19	0.01660	0.018391280	0.001791280	1.1
117	14	25	19	20	0.01510	0.020179680	0.005079680	3.4
118	15	26	20	21	0.01400	0.024113010	0.010113010	7.2
119	16	27	21	22	0.02070	0.027712340	0.007012340	3.4
120	17	28	22	23	0.02080	0.028647330	0.007847330	3.8
121	18	29	23	24	0.02380	0.032887320	0.009087320	3.8
122	19	30	24	25	0.02450	0.0444447110	0.019947110	8.1
123	20	31	25	26	51.60000	0.048524290	51.551475710	10.0
124	21	32	26	27	0.04390	0.031859510	0.012040490	2.7
125	1	14	7	8	0.00769	0.015066360	0.007376360	9.6
126	3	16	9	10	0.01160	0.020181020	0.008581020	7.4
127	5	18	11	12	0.01530	0.037545290	0.022245290	14.5
128	6	19	12	13	0.01520	0.020576230	0.005376230	3.5
129	7	20	13	14	0.03260	0.030041400	0.002558600	0.8
130	8	21	14	15	0.01240	0.023019550	0.010619550	8.6
131	9	22	15	16	0.01740	0.019575250	0.002175250	1.3
132	10	23	16	17	0.02600	0.021800790	0.004199210	1.6
133	11	24	17	18	0.00904	0.021296450	0.012256450	13.6
134	12	25	18	19	0.01140	0.016255700	0.004855700	4.3
135	13	26	19	20	0.00969	0.017122070	0.007432070	7.7
136	14	27	20	21	0.01250	0.020913290	0.008413290	6.7
137	15	28	21	22	0.01980	0.024996530	0.005196530	2.6
138	16	29	22	23	0.01380	0.025444730	0.011644730	8.4
139	17	30	23	24	0.01740	0.027641050	0.010241050	5.9
140	18	31	24	25	39.10000	0.038643270	39.061356730	10.0
141	19	32	25	26	0.03120	0.024142320	0.007057680	2.3
142	5	20	12	13	0.01140	0.019365540	0.007965540	7.0



143	6	21	13	14	0.02820	0.027359190	0.000840810	0.3
144	7	22	14	15	7.40000	0.021026360	7.378973640	10.0
145	8	23	15	16	0.02510	0.017655400	0.007444600	3.0
146	10	25	17	18	0.00581	0.018420490	0.012610490	21.7
147	11	26	18	19	0.01330	0.014217250	0.000917250	0.7
148	13	28	20	21	0.02240	0.018802360	0.003597640	1.6
149	14	29	21	22	0.01350	0.022663080	0.009163080	6.8
150	15	30	22	23	0.01260	0.022020100	0.009420100	7.5
151	16	31	23	24	53.20000	0.024209590	53.175790410	10.0
152	17	32	24	25	0.04760	0.020281810	0.027318190	5.7
153	6	23	14	15	0.37500	0.019471490	0.355528510	9.5
154	7	24	15	16	0.00921	0.016467300	0.007257300	7.9
155	8	25	16	17	0.01630	0.018030980	0.001730980	1.1
156	10	27	18	19	0.01620	0.012533650	0.003666350	2.3
157	12	29	20	21	0.01180	0.017429150	0.005629150	4.8
158	13	30	21	22	0.52200	0.019619200	0.502380800	9.6
159	1	20	10	11	1.44000	0.017391580	1.422608420	9.9
160	2	21	11	12	0.32000	0.021145240	0.298854760	9.3
161	3	22	12	13	6.05000	0.013396370	6.036603630	10.0
162	4	23	13	14	0.45100	0.022406060	0.428593940	9.5
163	5	24	14	15	0.24300	0.018566610	0.224433390	9.2
164	9	28	18	19	0.34600	0.011734620	0.334265380	9.7
165	10	29	19	20	0.00988	0.012759910	0.002879910	2.9
166	11	30	20	21	0.42200	0.015293770	0.406706230	9.6
167	1	22	11	12	3.80000	0.016557060	3.783442940	10.0
168	4	25	14	15	3.85000	0.016346290	3.833653710	10.0
169	5	26	15	16	24.10000	0.014701710	24.085298290	10.0
170	1	24	12	13	3.78000	0.009027057	3.770972943	10.0
171	2	25	13	14	21.70000	0.016039030	21.683960970	10.0
172	4	27	15	16	23.20000	0.013033160	23.186966840	10.0
173	5	28	16	17	25.20000	0.015344990	25.184655010	10.0
174	8	31	19	20	32.90000	0.010495720	32.889504280	10.0
175	9	32	20	21	0.24800	0.008834010	0.239165990	9.6
176	1	26	13	14	24.60000	0.013180040	24.586819960	10.0
177	2	27	14	15	24.60000	0.011924550	24.588075450	10.0
178	3	28	15	16	0.32100	0.011194850	0.309805150	9.7
179	4	29	16	17	2.86000	0.013768700	2.846231300	10.0
180	5	30	17	18	24.80000	0.013122190	24.786877810	10.0
181	6	31	18	19	29.40000	0.009325356	29.390674644	10.0
182	7	32	19	20	0.02910	0.007171227	0.021928773	7.5
183	1	28	14	15	3.62000	0.010007660	3.609992340	10.0
184	2	29	15	16	24.10000	0.009821917	24.090178083	10.0
185	3	30	16	17	0.47800	0.011537620	0.466462380	9.8
186	4	31	17	18	68.30000	0.011528260	68.288471740	10.0
187	5	32	18	19	21.80000	0.006783181	21.793216819	10.0
188	1	30	15	16	24.00000	0.008010548	23.991989452	10.0
189	2	31	16	17	68.10000	0.009905820	68.090094180	10.0
190	1	32	16	17	28.00000	0.006057996	27.993942004	10.0



191	1	7	3	5	17.90000	0.576090600	17.323909400	9.7
192	2	8	4	6	28.40000	0.530707700	27.869292300	9.8
193	3	9	5	7	30.10000	0.225026400	29.874973600	9.9
194	4	10	6	8	27.90000	0.260583800	27.639416200	9.9
195	5	11	7	9	19.70000	0.199402100	19.500597900	9.9
196	8	14	10	12	0.15200	0.176484700	0.024484700	1.6
197	14	20	16	18	0.15600	0.159547600	0.003547600	.2
198	17	23	19	21	25.80000	0.154097600	25.645902400	9.9
199	18	24	20	22	0.18400	0.156778300	0.027221700	1.5
200	19	25	21	23	0.67000	0.163551600	0.506448400	7.6
201	21	27	23	25	0.40300	0.187760800	0.215239200	5.3
202	22	28	24	26	0.81800	0.206730400	0.611269600	7.5
203	23	29	25	27	25.80000	0.234613700	25.565386300	9.9
204	25	31	27	29	60.40000	0.357716500	60.042283500	9.9
205	26	32	28	30	23.40000	0.360564400	23.039435600	9.8
206	1	11	5	7	30.60000	0.055495790	30.544504210	10.0
207	2	12	6	8	25.30000	0.071384330	25.228615670	10.0
208	4	14	8	10	24.20000	0.067214120	24.132785880	10.0
209	5	15	9	11	27.70000	0.080191270	27.619808730	10.0
210	7	17	11	13	0.64700	0.070341530	0.576658470	8.9
211	14	24	18	20	0.45700	0.044077140	0.412922860	9.0
212	15	25	19	21	0.41600	0.049161880	0.366838120	8.8
213	16	26	20	22	0.66900	0.057358900	0.611641100	9.1
214	18	28	22	24	16.80000	0.067024010	16.732975990	10.0
215	20	30	24	26	2.13000	0.101959800	2.028040200	9.5
216	2	16	8	10	22.50000	0.036134380	22.463865620	10.0
217	3	17	9	11	3.11000	0.048257850	3.061742150	9.8
218	4	18	10	12	23.70000	0.066498760	23.633501240	10.0
219	5	19	11	13	22.70000	0.056318580	22.643681420	10.0
220	9	23	15	17	24.20000	0.039354910	24.160645090	10.0
221	11	25	17	19	0.53700	0.035370380	0.501629620	9.3
222	12	26	18	20	21.80000	0.031931620	21.768068380	10.0
223	14	28	20	22	0.29000	0.044014870	0.245985130	8.5
224	15	29	21	23	0.46000	0.048365380	0.411634620	8.9
225	16	30	22	24	21.30000	0.049559010	21.250440990	10.0
226	18	32	24	26	22.90000	0.044567500	22.855432500	10.0
227	1	19	9	11	26.40000	0.029103710	26.370896290	10.0
228	2	20	10	12	23.10000	0.043575420	23.056424580	10.0
229	3	21	11	13	22.00000	0.038530240	21.961469760	10.0
230	4	22	12	14	24.10000	0.039234730	24.060765270	10.0
231	5	23	13	15	25.20000	0.044075010	25.155924990	10.0
232	6	24	14	16	22.20000	0.034832750	22.165167250	10.0
233	10	28	18	20	7.54000	0.025494730	7.514505270	10.0
234	12	30	20	22	23.50000	0.035200240	23.464799760	10.0
235	3	25	13	15	0.28400	0.032325390	0.251674610	8.9
236	4	26	14	16	25.20000	0.029368240	25.170631760	10.0
237	5	27	15	17	23.50000	0.029961580	23.470038420	10.0
238	6	28	16	18	0.95400	0.030042700	0.923957300	9.7

239	8	30	18	20	2.21000	0.021525580	2.188474420	9.9
240	9	31	19	21	48.50000	0.024081440	48.475918560	10.0
241	10	32	20	22	0.45300	0.019546670	0.433453330	9.6
242	1	27	13	15	28.80000	0.023001290	28.776998710	10.0
243	2	28	14	16	23.90000	0.021802650	23.878197350	10.0
244	3	29	15	17	2.71000	0.023149380	2.686850620	9.9
245	4	30	16	18	2.81000	0.025217480	2.784782520	9.9
246	5	31	17	19	36.90000	0.021726000	36.878274000	10.0
247	6	32	18	20	0.56700	0.013889080	0.553110920	9.8
248	1	31	15	17	42.10000	0.016230080	42.083769920	10.0

LETTURE SCARTATE PER ECCESSIVO RUMORE

A	B	M	N	V/I
2	13	7	8	0.000473
2	15	8	9	0.001580
4	17	10	11	0.001500
1	16	8	9	0.006830
2	17	9	10	0.000741
3	18	10	11	0.005720
4	19	11	12	0.004400
9	24	16	17	0.021100
12	27	19	20	0.004450
1	18	9	10	0.002130
2	19	10	11	0.113000
3	20	11	12	0.002540
4	21	12	13	0.355000
5	22	13	14	0.041300
9	26	17	18	0.000153
11	28	19	20	0.002060
15	32	23	24	0.001870
6	25	15	16	0.000919
7	26	16	17	0.378000
8	27	17	18	0.006360
12	31	21	22	64.800000
13	32	22	23	0.013800
2	23	12	13	3.810000
3	24	13	14	4.210000
6	27	16	17	0.005290
7	28	17	18	0.498000
8	29	18	19	0.260000
9	30	19	20	0.270000
10	31	20	21	36.500000
11	32	21	22	0.219000
3	26	14	15	0.801000
6	29	17	18	0.276000
7	30	18	19	0.044500
3	32	17	18	6.770000
6	12	8	10	1.460000

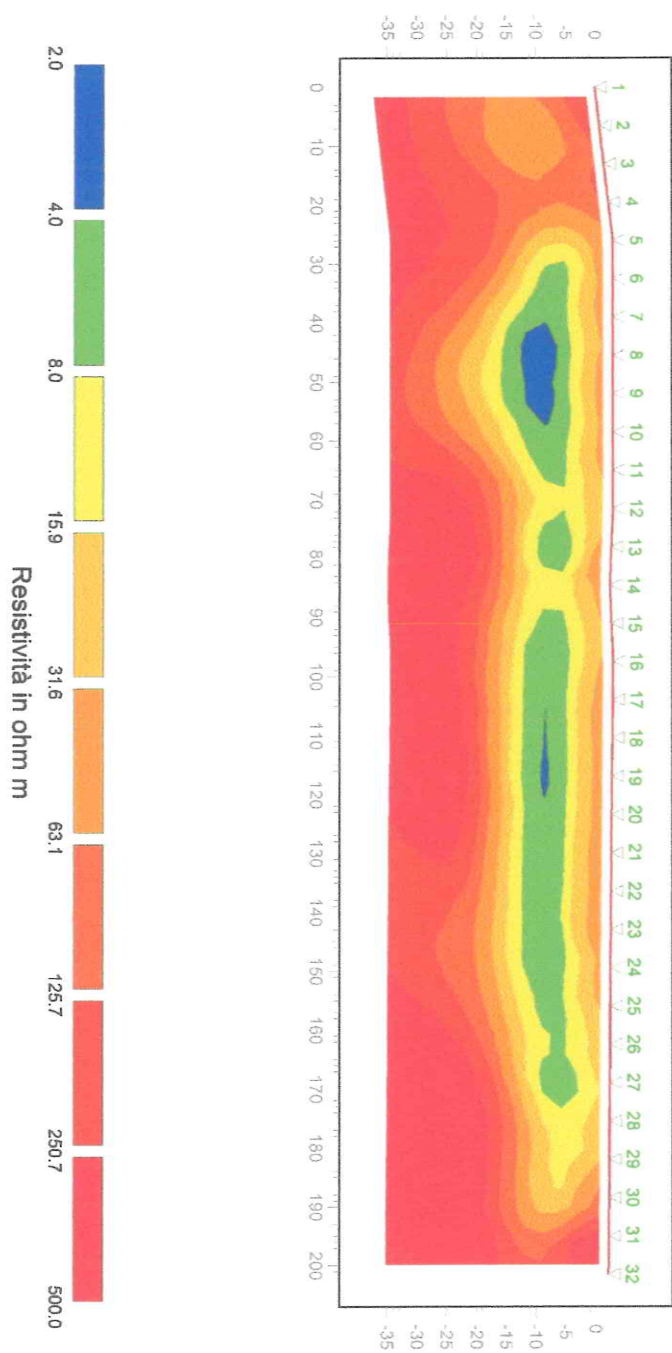


7	13	9	11	1.070000
9	15	11	13	1.530000
10	16	12	14	0.504000
11	17	13	15	2.040000
12	18	14	16	4.760000
13	19	15	17	0.512000
15	21	17	19	0.405000
16	22	18	20	0.820000
20	26	22	24	0.183000
24	30	26	28	2.140000
3	13	7	9	12.300000
6	16	10	12	4.450000
8	18	12	14	1.460000
9	19	13	15	1.170000
10	20	14	16	0.948000
11	21	15	17	9.740000
12	22	16	18	9.040000
13	23	17	19	17.700000
17	27	21	23	0.189000
19	29	23	25	0.396000
21	31	25	27	46.200000
22	32	26	28	0.056900
1	15	7	9	0.327000
6	20	12	14	0.651000
7	21	13	15	4.810000
8	22	14	16	1.170000
10	24	16	18	0.268000
13	27	19	21	2.540000
17	31	23	25	62.900000
7	25	15	17	16.100000
8	26	16	18	11.800000
9	27	17	19	10.300000
11	29	19	21	9.770000
14	32	22	24	0.269000
1	23	11	13	0.351000
2	24	12	14	0.358000
7	29	17	19	1.270000
2	32	16	18	0.180000

# STRADA MARE EMONTI TE07

## WENNER-SCHLUMBERGER

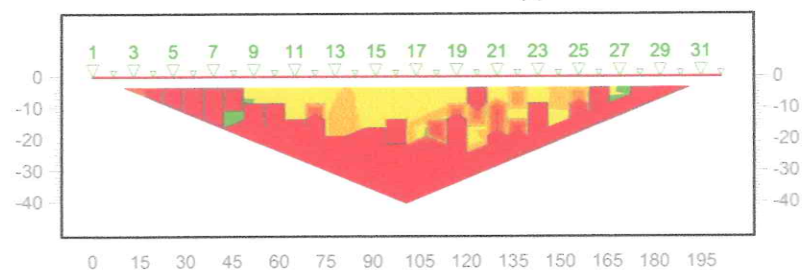
Sezione resistività modello inverso



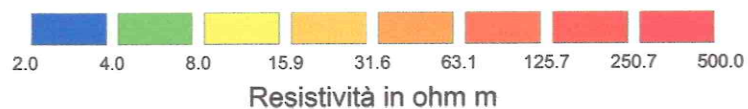
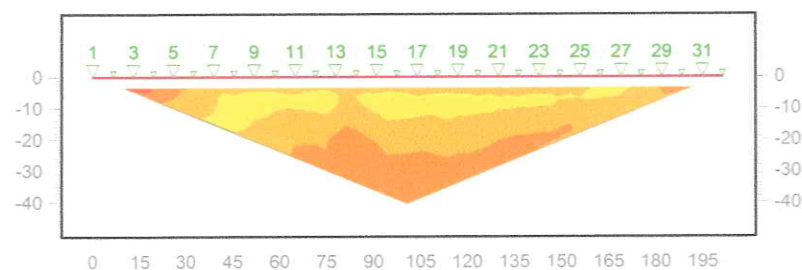
# STRADA MARE EMONTI TE07

## WENNER-SCHLUMBERGER

Pseudosezione resistività apparente



Pseudosezione resistività calcolata





## FOTO STENDIMENTO

TE08	37°35.422'N	13°23.761'E	248 m
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METHODE=WENNER-SCHLUMBERGER TE08

a[m]=8.0

a	b	m	n	V/I[ohm]	V[V]	I[A]	R[ohm*m]	SP[V]	NV	NI
1	4	2	3	2.58e-01	9.371e-02	0.363165	1.297e+01	-0.066	7.19e-04	3.41e-03
2	5	3	4	2.86e-01	1.042e-01	0.363939	1.439e+01	-0.459	9.39e-04	2.66e-03
3	6	4	5	2.77e-01	1.008e-01	0.364166	1.391e+01	-0.074	8.66e-04	2.73e-03
4	7	5	6	2.71e-01	9.906e-02	0.364905	1.365e+01	-0.102	8.06e-04	2.99e-03
5	8	6	7	2.34e-01	8.516e-02	0.364174	1.175e+01	-0.124	6.97e-04	2.97e-03
6	9	7	8	2.42e-01	8.838e-02	0.364741	1.218e+01	-0.076	9.08e-04	2.88e-03
7	10	8	9	2.49e-01	9.062e-02	0.364560	1.249e+01	-0.145	8.73e-04	2.17e-03
8	11	9	10	2.48e-01	9.030e-02	0.363651	1.248e+01	-0.149	9.75e-04	2.98e-03
9	12	10	11	2.48e-01	9.041e-02	0.364106	1.248e+01	-0.103	9.56e-04	2.43e-03
10	13	11	12	2.63e-01	9.584e-02	0.364449	1.322e+01	-0.042	1.02e-03	3.20e-03
11	14	12	13	2.96e-01	1.077e-01	0.364227	1.486e+01	-0.208	7.59e-04	1.92e-03
12	15	13	14	4.93e+01	1.794e+01	0.364217	2.476e+03	-0.286	7.34e-03	1.97e-03
13	16	14	15	2.91e-01	1.056e-01	0.363238	1.462e+01	-0.078	7.28e-04	3.14e-03
14	17	15	16	3.54e-03	1.285e-03	0.363308	1.778e-01	-0.028	8.37e-04	1.97e-03
15	18	16	17	3.83e+01	1.393e+01	0.363424	1.927e+03	-0.155	7.58e-03	2.82e-03
16	19	17	18	7.85e-02	2.853e-02	0.363408	3.947e+00	-0.352	8.91e-04	2.98e-03
17	20	18	19	1.33e-01	4.830e-02	0.363347	6.682e+00	-0.236	9.09e-04	1.93e-03
18	21	19	20	1.76e-01	6.403e-02	0.364317	8.834e+00	-0.130	8.22e-04	1.99e-03
19	22	20	21	1.77e-01	6.472e-02	0.365213	8.908e+00	-0.164	8.53e-04	2.15e-03
20	23	21	22	1.62e-01	5.883e-02	0.363799	8.128e+00	-0.053	9.17e-04	2.20e-03
21	24	22	23	1.85e-01	6.747e-02	0.364234	9.311e+00	0.063	8.28e-04	1.99e-03
22	25	23	24	1.59e-01	5.796e-02	0.364807	7.986e+00	-0.152	7.79e-04	1.84e-03
23	26	24	25	1.46e-01	5.334e-02	0.364384	7.357e+00	-0.098	7.77e-04	1.53e-03
24	27	25	26	1.56e-01	5.683e-02	0.363720	7.853e+00	-0.161	8.38e-04	2.05e-03
25	28	26	27	1.27e-01	4.627e-02	0.363735	6.394e+00	-0.114	7.24e-04	2.14e-03
26	29	27	28	1.36e-01	4.959e-02	0.363562	6.856e+00	-0.056	9.23e-04	2.49e-03
27	30	28	29	1.46e-01	5.318e-02	0.363886	7.346e+00	-0.020	6.86e-04	2.05e-03



28	31	29	30	2.28e+01	1.154e-02	0.000506	1.145e+03	-0.253	7.15e-04	2.05e-04
29	32	30	31	1.05e-01	3.802e-02	0.362832	5.268e+00	0.019	8.41e-04	3.63e-03
1	6	3	4	5.45e-02	1.993e-02	0.365708	8.218e+00	-0.117	9.77e-04	2.32e-03
2	7	4	5	6.49e-02	2.369e-02	0.365065	9.784e+00	-0.022	9.17e-04	2.78e-03
3	8	5	6	7.04e-02	2.566e-02	0.364554	1.062e+01	-0.414	7.17e-04	2.43e-03
4	9	6	7	6.23e-02	2.270e-02	0.364585	9.389e+00	-0.114	8.67e-04	2.71e-03
5	10	7	8	6.91e-02	2.521e-02	0.364544	1.043e+01	-0.018	9.54e-04	2.89e-03
6	11	8	9	7.99e-02	2.910e-02	0.364457	1.204e+01	-0.109	8.64e-04	2.57e-03
7	12	9	10	1.02e-01	2.717e-02	0.266553	1.537e+01	-0.123	9.60e-04	0.00e+00
8	13	10	11	8.23e-02	2.995e-02	0.364067	1.240e+01	-0.048	9.84e-04	2.38e-03
9	14	11	12	9.77e-02	3.566e-02	0.364806	1.474e+01	-0.095	1.15e-03	2.29e-03
10	15	12	13	4.18e+01	1.520e+01	0.363906	6.298e+03	-0.315	7.53e-03	1.66e-03
11	16	13	14	1.69e-01	6.148e-02	0.364269	2.545e+01	0.035	6.86e-04	2.84e-03
12	17	14	15	7.60e-02	2.777e-02	0.365311	1.146e+01	-0.122	9.13e-04	2.19e-03
13	18	15	16	3.38e-04	1.232e-04	0.364404	5.100e-02	-0.026	1.06e-03	1.95e-03
14	19	16	17	3.03e-03	1.103e-03	0.363827	4.573e-01	-0.027	7.98e-04	1.57e-03
15	20	17	18	3.80e+01	1.386e+01	0.364219	5.737e+03	-0.313	7.78e-03	2.22e-03
16	21	18	19	7.99e-02	2.913e-02	0.364416	1.206e+01	-0.278	7.27e-04	3.06e-03
17	22	19	20	2.56e-02	9.331e-03	0.364618	3.859e+00	-0.104	8.86e-04	2.20e-03
18	23	20	21	3.37e-02	1.234e-02	0.365519	5.089e+00	-0.143	6.06e-04	1.58e-03
19	24	21	22	2.78e-02	1.012e-02	0.363710	4.195e+00	0.014	7.04e-04	1.75e-03
20	25	22	23	3.37e-02	1.226e-02	0.363848	5.081e+00	-0.149	8.56e-04	2.36e-03
21	26	23	24	3.70e-02	1.350e-02	0.364531	5.584e+00	-0.019	9.62e-04	1.66e-03
22	27	24	25	2.94e-02	1.069e-02	0.364293	4.426e+00	-0.048	7.56e-04	2.46e-03
23	28	25	26	4.56e-02	1.663e-02	0.364274	6.883e+00	-0.163	8.68e-04	1.77e-03
24	29	26	27	3.95e-02	1.435e-02	0.363456	5.956e+00	0.027	7.35e-04	1.75e-03
25	30	27	28	5.16e-02	1.876e-02	0.363404	7.786e+00	-0.083	1.08e-03	2.18e-03
26	31	28	29	1.98e+02	1.164e-02	0.000059	2.988e+04	0.025	7.05e-04	1.97e-04
27	32	29	30	6.49e-02	2.370e-02	0.365335	9.782e+00	-0.288	1.12e-03	2.28e-03
1	8	4	5	2.22e-02	8.081e-03	0.363698	6.701e+00	-0.098	6.32e-04	2.57e-03



2	9	5	6	3.12e-02	1.139e-02	0.365538	9.399e+00	-0.055	7.92e-04	1.58e-03
3	10	6	7	3.23e-02	1.179e-02	0.365119	9.739e+00	-0.051	6.01e-04	2.26e-03
4	11	7	8	3.16e-02	1.153e-02	0.364496	9.542e+00	-0.308	5.53e-04	2.19e-03
5	12	8	9	3.48e-02	1.266e-02	0.364282	1.049e+01	-0.115	8.79e-04	3.18e-03
6	13	9	10	4.93e-02	1.795e-02	0.364289	1.486e+01	-0.109	7.53e-04	2.50e-03
7	14	10	11	7.86e-02	2.863e-02	0.364295	2.371e+01	-0.032	7.38e-04	2.36e-03
8	15	11	12	3.91e+01	1.426e+01	0.364261	1.181e+04	-0.371	8.17e-03	1.87e-03
9	16	12	13	1.61e-01	5.845e-02	0.364055	4.842e+01	-0.035	1.00e-03	2.09e-03
10	17	13	14	4.38e-02	1.595e-02	0.363724	1.322e+01	-0.059	8.47e-04	1.92e-03
11	18	14	15	2.84e-02	1.033e-02	0.364235	8.557e+00	-0.080	7.59e-04	2.13e-03
12	19	15	16	1.13e-04	4.108e-05	0.363509	3.408e-02	-0.026	6.49e-04	2.30e-03
13	20	16	17	4.39e-03	1.596e-03	0.363908	1.323e+00	-0.006	7.93e-04	2.02e-03
14	21	17	18	6.95e-02	2.529e-02	0.364028	2.096e+01	-0.005	8.63e-04	2.30e-03
15	22	18	19	3.78e+01	1.378e+01	0.364095	1.141e+04	-0.409	9.62e-03	1.83e-03
16	23	19	20	1.08e-01	3.943e-02	0.363981	3.267e+01	-0.280	8.94e-04	2.11e-03
17	24	20	21	9.34e-03	3.398e-03	0.363964	2.816e+00	-0.106	8.83e-04	1.77e-03
18	25	21	22	3.21e-03	1.168e-03	0.364013	9.676e-01	0.033	9.41e-04	1.79e-03
19	26	22	23	6.15e-03	2.242e-03	0.364805	1.853e+00	-0.112	8.37e-04	2.63e-03
20	27	23	24	6.51e-03	2.371e-03	0.363969	1.965e+00	-0.004	8.20e-04	1.83e-03
21	28	24	25	1.15e-02	4.184e-03	0.363386	3.473e+00	-0.037	7.07e-04	2.23e-03
22	29	25	26	8.14e-03	2.964e-03	0.363871	2.456e+00	-0.223	6.54e-04	2.21e-03
23	30	26	27	1.87e-02	6.796e-03	0.363879	5.633e+00	0.033	7.46e-04	2.77e-03
24	31	27	28	2.05e+02	1.406e-02	0.000069	6.188e+04	-0.096	5.39e-04	1.76e-04
25	32	28	29	3.37e-02	1.228e-02	0.364026	1.018e+01	0.070	9.32e-04	3.36e-03
1	10	5	6	1.43e-02	5.211e-03	0.365058	7.176e+00	-0.123	1.20e-03	2.22e-03
2	11	6	7	2.22e-02	8.087e-03	0.364340	1.116e+01	-0.075	7.19e-04	2.39e-03
3	12	7	8	2.95e-02	1.073e-02	0.364261	1.481e+01	-0.043	9.57e-04	2.52e-03
4	13	8	9	5.26e-02	1.916e-02	0.363893	2.646e+01	-0.064	8.14e-04	2.03e-03
5	14	9	10	9.70e-02	3.531e-02	0.364040	4.876e+01	-0.304	8.58e-04	3.32e-03
6	15	10	11	4.70e+01	1.713e+01	0.364489	2.362e+04	-0.556	7.27e-03	1.89e-03

7	16	11	12	1.41e-01	5.150e-02	0.364849	7.095e+01	0.079	8.29e-04	2.49e-03
8	17	12	13	3.98e-02	1.454e-02	0.364832	2.003e+01	-0.147	6.95e-04	2.08e-03
9	18	13	14	1.91e-02	6.984e-03	0.364697	9.626e+00	-0.042	6.71e-04	2.10e-03
10	19	14	15	1.30e-02	4.754e-03	0.364433	6.557e+00	-0.051	8.89e-04	2.14e-03
11	20	15	16	1.56e-03	5.693e-04	0.364571	7.849e-01	-0.029	1.32e-03	3.04e-03
12	21	16	17	2.69e-03	9.801e-04	0.364288	1.352e+00	0.012	8.04e-04	1.85e-03
13	22	17	18	7.88e-03	2.876e-03	0.364797	3.962e+00	0.004	6.35e-04	2.43e-03
14	23	18	19	7.15e-02	2.607e-02	0.364494	3.596e+01	-0.073	8.41e-04	2.18e-03
15	24	19	20	4.53e+01	1.653e+01	0.364684	2.278e+04	-0.527	8.68e-03	1.64e-03
16	25	20	21	1.10e-01	3.987e-02	0.363871	5.507e+01	-0.276	9.56e-04	2.15e-03
17	26	21	22	3.92e-02	1.428e-02	0.364213	1.971e+01	0.038	6.79e-04	2.14e-03
18	27	22	23	1.11e-02	4.038e-03	0.364176	5.573e+00	-0.055	6.85e-04	2.24e-03
19	28	23	24	3.52e-03	1.279e-03	0.363541	1.769e+00	-0.062	7.29e-04	1.85e-03
20	29	24	25	3.58e-03	1.303e-03	0.363736	1.800e+00	0.060	8.26e-04	1.85e-03
21	30	25	26	1.26e-02	4.601e-03	0.364860	6.339e+00	-0.233	8.21e-04	2.54e-03
22	31	26	27	3.14e+02	1.235e-02	0.000039	1.580e+05	-0.019	5.66e-04	2.35e-04
23	32	27	28	2.59e-02	9.455e-03	0.364765	1.303e+01	-0.011	1.14e-03	2.78e-03
1	12	6	7	1.45e-02	5.305e-03	0.365199	1.095e+01	-0.151	7.99e-04	1.54e-03
2	13	7	8	4.52e-02	1.648e-02	0.364221	3.411e+01	-0.034	8.05e-04	2.14e-03
3	14	8	9	1.18e-01	4.310e-02	0.364717	8.910e+01	-0.072	6.74e-04	2.83e-03
4	15	9	10	4.80e+01	1.752e+01	0.365004	3.618e+04	-1.020	8.13e-03	2.20e-03
5	16	10	11	1.41e-01	5.143e-02	0.364502	1.064e+02	0.244	1.06e-03	2.48e-03
6	17	11	12	3.35e-02	1.220e-02	0.364454	2.524e+01	-0.226	8.84e-04	2.21e-03
7	18	12	13	1.26e-02	4.601e-03	0.364600	9.515e+00	-0.119	9.36e-04	1.90e-03
8	19	13	14	5.32e-03	1.943e-03	0.364830	4.015e+00	-0.023	7.51e-04	1.79e-03
9	20	14	15	9.01e-03	3.287e-03	0.364709	6.794e+00	0.012	8.47e-04	2.96e-03
10	21	15	16	3.45e-03	1.256e-03	0.364268	2.600e+00	-0.030	1.08e-03	2.21e-03
11	22	16	17	8.91e-03	3.245e-03	0.364431	6.715e+00	0.033	8.04e-04	2.21e-03
12	23	17	18	4.40e-03	1.602e-03	0.364235	3.317e+00	0.024	8.95e-04	1.91e-03
13	24	18	19	1.71e-02	6.238e-03	0.363961	1.292e+01	-0.064	8.05e-04	2.00e-03

14	25	19	20	8.19e-02	2.984e-02	0.364517	6.173e+01	-0.005	1.12e-03	2.36e-03
15	26	20	21	4.16e+01	1.511e+01	0.363672	3.133e+04	-0.662	1.12e-02	2.66e-03
16	27	21	22	1.60e-01	5.805e-02	0.363402	1.204e+02	-0.171	8.16e-04	2.32e-03
17	28	22	23	3.62e-02	1.323e-02	0.365171	2.732e+01	0.005	9.75e-04	2.12e-03
18	29	23	24	1.56e-02	5.681e-03	0.363483	1.178e+01	-0.061	7.27e-04	1.67e-03
19	30	24	25	7.48e-03	2.723e-03	0.364011	5.640e+00	0.021	7.91e-04	2.28e-03
20	31	25	26	1.59e+02	9.513e-03	0.000060	1.196e+05	-0.168	5.76e-04	1.96e-04
21	32	26	27	1.83e-02	6.679e-03	0.364601	1.381e+01	-0.036	8.06e-04	2.40e-03
1	14	7	8	9.68e-02	3.528e-02	0.364584	1.022e+02	-0.107	8.19e-04	2.32e-03
2	15	8	9	4.71e+01	1.719e+01	0.364693	4.977e+04	-1.019	8.66e-03	2.71e-03
3	16	9	10	1.60e-01	5.847e-02	0.365383	1.689e+02	0.082	6.61e-04	2.19e-03
4	17	10	11	3.09e-02	1.128e-02	0.364542	3.266e+01	-0.015	7.44e-04	1.92e-03
5	18	11	12	1.22e-02	4.443e-03	0.365649	1.283e+01	-0.054	6.99e-04	2.24e-03
6	19	12	13	1.27e-02	4.636e-03	0.364327	1.343e+01	-0.077	7.82e-04	2.16e-03
7	20	13	14	7.39e-03	2.694e-03	0.364597	7.799e+00	-0.255	8.50e-04	2.82e-03
8	21	14	15	2.36e-03	8.627e-04	0.364911	2.496e+00	0.072	6.53e-04	2.48e-03
9	22	15	16	1.06e-02	3.879e-03	0.364392	1.124e+01	-0.029	8.14e-04	2.33e-03
10	23	16	17	2.60e-03	9.449e-04	0.363807	2.742e+00	0.043	1.01e-03	2.50e-03
11	24	17	18	3.78e-03	1.379e-03	0.364565	3.993e+00	0.028	8.01e-04	2.95e-03
12	25	18	19	7.41e-03	2.694e-03	0.363707	7.818e+00	-0.053	9.47e-04	1.99e-03
13	26	19	20	2.06e-02	7.535e-03	0.365049	2.179e+01	-0.066	7.32e-04	1.99e-03
14	27	20	21	6.56e-02	2.389e-02	0.364164	6.925e+01	-0.009	9.97e-04	1.83e-03
15	28	21	22	6.20e+01	2.262e+01	0.364812	6.546e+04	-1.028	8.68e-03	2.31e-03
16	29	22	23	1.25e-01	4.563e-02	0.364459	1.322e+02	-0.264	7.69e-04	2.04e-03
17	30	23	24	3.48e-02	1.268e-02	0.364129	3.677e+01	-0.009	1.16e-03	2.12e-03
18	31	24	25	1.04e+02	5.974e-03	0.000057	1.097e+05	0.032	5.99e-04	2.04e-04
19	32	25	26	1.10e-02	4.002e-03	0.364760	1.158e+01	-0.139	8.17e-04	1.95e-03
1	16	8	9	1.00e-01	3.659e-02	0.365283	1.410e+02	-0.143	8.73e-04	2.62e-03
2	17	9	10	3.20e-02	1.167e-02	0.364855	4.503e+01	-0.050	1.00e-03	1.90e-03
3	18	10	11	1.23e-02	4.490e-03	0.364625	1.733e+01	-0.023	8.08e-04	2.04e-03



4	19	11	12	3.51e-03	1.279e-03	0.364435	4.941e+00	-0.053	7.49e-04	2.32e-03
5	20	12	13	6.78e-03	2.477e-03	0.365406	9.539e+00	-0.068	9.30e-04	1.55e-03
6	21	13	14	5.16e-03	1.884e-03	0.365180	7.261e+00	0.010	6.98e-04	2.05e-03
7	22	14	15	2.10e-02	7.641e-03	0.364545	2.950e+01	-0.098	6.81e-04	2.51e-03
8	23	15	16	3.67e-03	1.338e-03	0.364646	5.165e+00	-0.027	8.66e-04	2.88e-03
9	24	16	17	5.32e-03	1.937e-03	0.364272	7.483e+00	0.045	9.14e-04	2.42e-03
10	25	17	18	5.38e-03	1.960e-03	0.364413	7.571e+00	-0.101	1.15e-03	2.00e-03
11	26	18	19	1.38e-02	5.012e-03	0.364485	1.935e+01	0.092	7.56e-04	2.02e-03
12	27	19	20	1.04e-02	3.779e-03	0.364273	1.460e+01	-0.088	7.14e-04	1.82e-03
13	28	20	21	2.50e-02	9.114e-03	0.363922	3.525e+01	-0.100	6.20e-04	2.08e-03
14	29	21	22	1.24e-01	4.507e-02	0.364204	1.742e+02	0.018	1.10e-03	1.64e-03
15	30	22	23	4.24e+01	1.543e+01	0.364263	5.963e+04	-0.530	8.93e-03	1.90e-03
16	31	23	24	1.24e+02	5.810e-03	0.000047	1.743e+05	-0.212	4.55e-04	2.19e-04
17	32	24	25	2.81e-02	1.025e-02	0.364592	3.958e+01	0.007	7.27e-04	2.45e-03
1	18	9	10	9.74e-03	3.551e-03	0.364673	1.762e+01	-0.080	8.98e-04	2.09e-03
2	19	10	11	6.04e-03	2.201e-03	0.364371	1.093e+01	-0.023	6.56e-04	2.10e-03
3	20	11	12	5.91e-03	2.160e-03	0.365453	1.069e+01	-0.055	7.39e-04	2.35e-03
4	21	12	13	4.34e-04	1.585e-04	0.365304	7.849e-01	-0.068	7.05e-04	2.15e-03
5	22	13	14	1.26e-02	4.607e-03	0.365248	2.282e+01	0.017	1.05e-03	2.99e-03
6	23	14	15	4.95e-03	1.808e-03	0.365136	8.958e+00	-0.108	6.35e-04	2.35e-03
7	24	15	16	5.81e-04	2.113e-04	0.363602	1.051e+00	-0.028	6.69e-04	3.03e-03
8	25	16	17	6.99e-03	2.547e-03	0.364153	1.266e+01	0.181	6.28e-04	2.34e-03
9	26	17	18	6.52e-03	2.377e-03	0.364404	1.180e+01	-0.314	9.39e-04	2.54e-03
10	27	18	19	1.35e-02	4.936e-03	0.365008	2.447e+01	-0.003	7.22e-04	2.10e-03
11	28	19	20	1.14e-02	4.161e-03	0.364312	2.067e+01	0.028	7.94e-04	1.81e-03
12	29	20	21	1.58e-02	5.763e-03	0.364837	2.858e+01	-0.112	5.84e-04	2.19e-03
13	30	21	22	4.51e-02	1.640e-02	0.363966	8.155e+01	0.019	9.37e-04	2.74e-03
14	31	22	23	9.58e+01	4.419e-03	0.000046	1.734e+05	0.034	4.32e-04	2.20e-04
15	32	23	24	4.41e+01	1.615e+01	0.365922	7.988e+04	-0.459	9.08e-03	1.70e-03
1	20	10	11	2.06e-02	7.530e-03	0.364635	4.671e+01	0.059	8.37e-04	2.65e-03

2	21	11	12	1.45e-03	5.282e-04	0.364765	3.275e+00	-0.053	7.77e-04	2.03e-03
3	22	12	13	1.18e-02	4.319e-03	0.364949	2.677e+01	-0.060	6.46e-04	1.92e-03
4	23	13	14	5.29e-03	1.931e-03	0.365223	1.196e+01	-0.045	9.69e-04	2.36e-03
5	24	14	15	3.22e-05	1.174e-05	0.364025	7.293e-02	-0.025	6.14e-04	2.50e-03
6	25	15	16	2.19e-03	7.982e-04	0.363973	4.960e+00	-0.028	6.47e-04	2.31e-03
7	26	16	17	7.96e-03	2.905e-03	0.365001	1.800e+01	0.082	6.12e-04	1.93e-03
8	27	17	18	7.41e-03	2.694e-03	0.363687	1.675e+01	-0.144	9.64e-04	2.70e-03
9	28	18	19	1.42e-02	5.176e-03	0.364209	3.215e+01	0.016	8.59e-04	2.94e-03
10	29	19	20	1.22e-02	4.443e-03	0.363775	2.762e+01	-0.039	9.39e-04	2.04e-03
11	30	20	21	1.19e-02	4.343e-03	0.364837	2.693e+01	-0.106	7.37e-04	2.06e-03
12	31	21	22	1.46e+02	8.386e-03	0.000057	3.305e+05	0.032	4.83e-04	2.00e-04
13	32	22	23	1.78e-02	6.479e-03	0.364717	4.018e+01	-0.006	8.77e-04	2.67e-03
1	22	11	12	2.14e-03	7.805e-04	0.365375	5.906e+00	-0.265	7.77e-04	2.31e-03
2	23	12	13	6.91e-03	2.518e-03	0.364545	1.909e+01	0.069	7.79e-04	2.72e-03
3	24	13	14	5.34e-03	1.948e-03	0.364986	1.476e+01	-0.136	5.89e-04	2.66e-03
4	25	14	15	2.76e-03	1.009e-03	0.365135	7.643e+00	-0.052	8.88e-04	2.14e-03
5	26	15	16	7.43e-03	2.711e-03	0.365104	2.053e+01	-0.028	8.41e-04	2.37e-03
6	27	16	17	6.19e-03	2.259e-03	0.364753	1.713e+01	0.045	6.93e-04	2.23e-03
7	28	17	18	2.56e-03	9.331e-04	0.364387	7.080e+00	-0.121	7.83e-04	2.07e-03
8	29	18	19	1.27e-02	4.619e-03	0.365037	3.498e+01	-0.005	8.63e-04	2.42e-03
9	30	19	20	5.44e-03	1.984e-03	0.364726	1.504e+01	-0.047	8.03e-04	2.09e-03
10	31	20	21	1.15e+02	1.038e-02	0.000090	3.184e+05	-0.091	5.92e-04	1.46e-04
11	32	21	22	5.80e-03	2.113e-03	0.364543	1.602e+01	-0.060	8.43e-04	2.06e-03
1	24	12	13	7.57e-03	2.764e-03	0.365234	2.511e+01	-0.073	7.37e-04	2.80e-03
2	25	13	14	3.25e-03	1.185e-03	0.365063	1.077e+01	-0.055	6.59e-04	2.37e-03
3	26	14	15	4.05e-03	1.479e-03	0.364912	1.345e+01	-0.069	8.10e-04	1.95e-03
4	27	15	16	9.92e-03	3.621e-03	0.365129	3.290e+01	-0.030	8.12e-04	1.68e-03
5	28	16	17	7.24e-03	2.641e-03	0.364650	2.403e+01	0.032	7.12e-04	2.45e-03
6	29	17	18	4.49e-03	1.643e-03	0.365824	1.490e+01	-0.108	7.58e-04	2.38e-03
7	30	18	19	2.83e-03	1.033e-03	0.364569	9.399e+00	-0.014	7.56e-04	1.81e-03

8	31	19	20	1.24e+02	1.064e-02	0.000086	4.116e+05	-0.057	5.71e-04	1.52e-04
9	32	20	21	6.86e-03	2.506e-03	0.365343	2.276e+01	-0.073	8.99e-04	2.35e-03
1	26	13	14	1.13e-02	4.137e-03	0.364770	4.447e+01	-0.081	9.38e-04	1.83e-03
2	27	14	15	4.68e-03	1.708e-03	0.364994	1.835e+01	-0.072	7.79e-04	1.72e-03
3	28	15	16	9.73e-03	3.545e-03	0.364424	3.814e+01	-0.029	8.30e-04	2.75e-03
4	29	16	17	8.75e-03	3.193e-03	0.364664	3.433e+01	0.026	7.56e-04	2.41e-03
5	30	17	18	5.46e-04	1.995e-04	0.365406	2.141e+00	-0.096	1.06e-03	2.09e-03
6	31	18	19	1.35e+02	1.080e-02	0.000080	5.309e+05	-0.024	5.50e-04	1.61e-04
7	32	19	20	1.02e-02	3.721e-03	0.364655	4.001e+01	-0.051	9.68e-04	3.29e-03
1	28	14	15	1.24e-02	4.531e-03	0.365425	5.671e+01	-0.129	9.28e-04	2.54e-03
2	29	15	16	1.08e-02	3.961e-03	0.365727	4.955e+01	-0.029	8.41e-04	2.11e-03
3	30	16	17	3.53e-03	1.291e-03	0.365311	1.617e+01	0.024	9.99e-04	2.68e-03
4	31	17	18	1.61e+02	1.295e-02	0.000080	7.366e+05	-0.095	6.04e-04	1.62e-04
5	32	18	19	6.57e-03	2.400e-03	0.365337	3.005e+01	-0.021	1.06e-03	1.89e-03
1	30	15	16	6.17e-03	2.254e-03	0.365361	3.255e+01	-0.029	7.95e-04	2.59e-03
2	31	16	17	6.09e+01	6.585e-03	0.000108	3.213e+05	0.010	6.07e-04	1.22e-04
3	32	17	18	8.70e-03	3.181e-03	0.365476	4.594e+01	-0.079	6.99e-04	1.27e-03
1	32	16	17	3.83e-03	1.403e-03	0.366031	2.311e+01	0.014	8.64e-04	1.10e-03
1	11	5	7	2.62e-02	9.601e-03	0.365915	7.914e+00	-0.152	8.63e-04	2.50e-03
2	12	6	8	3.37e-02	1.229e-02	0.364819	1.016e+01	-0.074	9.70e-04	2.44e-03
3	13	7	9	5.60e-02	2.047e-02	0.365663	1.688e+01	-0.080	8.07e-04	1.94e-03
4	14	8	10	1.32e-01	4.850e-02	0.366246	3.994e+01	-0.080	7.13e-04	1.79e-03
5	15	9	11	4.71e+01	1.722e+01	0.365987	1.419e+04	-0.960	8.21e-03	1.89e-03
6	16	10	12	1.23e-01	4.488e-02	0.365878	3.700e+01	-0.531	8.81e-04	2.76e-03
7	17	11	13	5.37e-02	1.964e-02	0.365484	1.621e+01	0.019	8.45e-04	1.84e-03
8	18	12	14	2.63e-02	9.619e-03	0.365698	7.933e+00	-0.116	6.52e-04	1.99e-03
9	19	13	15	2.00e-02	7.301e-03	0.365372	6.026e+00	-0.040	8.30e-04	2.17e-03
10	20	14	16	1.49e-02	5.423e-03	0.364768	4.484e+00	-0.092	8.00e-04	2.08e-03
11	21	15	17	1.51e-03	5.517e-04	0.364989	4.558e-01	-0.028	6.47e-04	2.39e-03
12	22	16	18	1.84e-02	6.696e-03	0.364846	5.535e+00	0.008	9.11e-04	2.24e-03



13	23	17	19	4.53e-03	1.655e-03	0.365094	1.367e+00	-0.092	7.41e-04	1.78e-03
14	24	18	20	6.61e-02	2.412e-02	0.364712	1.995e+01	0.008	7.16e-04	2.40e-03
15	25	19	21	4.14e+01	1.511e+01	0.364672	1.250e+04	-0.415	1.00e-02	1.69e-03
16	26	20	22	1.20e-01	4.380e-02	0.365214	3.617e+01	0.438	1.13e-03	2.20e-03
17	27	21	23	2.82e-02	1.028e-02	0.364655	8.504e+00	-0.339	8.49e-04	2.17e-03
18	28	22	24	6.05e-03	2.201e-03	0.363910	1.824e+00	-0.087	7.33e-04	1.63e-03
19	29	23	25	2.00e-03	7.277e-04	0.364403	6.023e-01	-0.094	6.86e-04	1.80e-03
20	30	24	26	1.37e-02	4.988e-03	0.364654	4.126e+00	-0.130	1.08e-03	1.68e-03
21	31	25	27	9.68e+01	6.039e-03	0.000062	2.918e+04	-0.150	6.20e-04	1.96e-04
22	32	26	28	1.77e-02	6.479e-03	0.365347	5.348e+00	-0.021	6.38e-04	8.18e-04
1	15	7	9	4.74e+01	1.730e+01	0.364830	2.860e+04	-1.130	8.76e-03	2.61e-03
2	16	8	10	1.26e-01	4.625e-02	0.365987	7.622e+01	-0.489	5.93e-04	2.58e-03
3	17	9	11	3.91e-02	1.425e-02	0.364599	2.357e+01	0.241	5.91e-04	2.07e-03
4	18	10	12	1.63e-02	5.963e-03	0.365700	9.835e+00	0.025	6.59e-04	2.30e-03
5	19	11	13	1.32e-02	4.818e-03	0.365663	7.948e+00	-0.073	1.11e-03	2.10e-03
6	20	12	14	1.61e-02	5.898e-03	0.365214	9.741e+00	-0.031	9.45e-04	1.77e-03
7	21	13	15	1.32e-02	4.842e-03	0.365422	7.992e+00	-0.059	8.30e-04	2.47e-03
8	22	14	16	1.90e-02	6.925e-03	0.364755	1.145e+01	-0.325	8.20e-04	2.27e-03
9	23	15	17	2.27e-03	8.275e-04	0.364940	1.368e+00	-0.028	9.75e-04	2.32e-03
10	24	16	18	1.27e-03	4.636e-04	0.364429	7.674e-01	0.070	9.74e-04	1.64e-03
11	25	17	19	2.27e-03	8.275e-04	0.365008	1.367e+00	-0.032	7.37e-04	1.92e-03
12	26	18	20	8.27e-03	3.017e-03	0.364886	4.987e+00	-0.014	7.23e-04	1.67e-03
13	27	19	21	1.68e-02	6.127e-03	0.364438	1.014e+01	-0.115	9.64e-04	1.91e-03
14	28	20	22	1.16e-01	4.250e-02	0.365119	7.021e+01	-0.140	7.36e-04	1.80e-03
15	29	21	23	4.22e+01	1.542e+01	0.365432	2.546e+04	-0.510	1.04e-02	1.66e-03
16	30	22	24	9.34e-02	3.401e-02	0.363941	5.637e+01	0.354	9.98e-04	2.17e-03
17	31	23	25	9.52e+01	5.018e-03	0.000053	5.740e+04	-0.278	4.92e-04	2.13e-04
18	32	24	26	7.27e-03	2.653e-03	0.364913	4.385e+00	-0.200	1.10e-03	2.43e-03
1	19	9	11	9.65e-04	3.521e-04	0.365024	9.698e-01	-0.073	6.90e-04	2.28e-03
2	20	10	12	5.53e-03	2.019e-03	0.365021	5.560e+00	-0.047	7.63e-04	2.28e-03

3	21	11	13	3.65e-03	1.332e-03	0.365132	3.668e+00	-0.084	9.34e-04	2.11e-03
4	22	12	14	1.25e-02	4.554e-03	0.365152	1.254e+01	-0.026	7.42e-04	1.65e-03
5	23	13	15	4.30e-03	1.567e-03	0.364022	4.327e+00	-0.043	7.65e-04	2.14e-03
6	24	14	16	3.86e-03	1.409e-03	0.365264	3.877e+00	-0.124	6.80e-04	2.15e-03
7	25	15	17	1.04e-03	3.815e-04	0.365284	1.050e+00	-0.029	7.12e-04	2.15e-03
8	26	16	18	3.82e-03	1.391e-03	0.364305	3.838e+00	0.024	7.54e-04	1.74e-03
9	27	17	19	3.97e-03	1.450e-03	0.364938	3.993e+00	-0.105	9.66e-04	2.33e-03
10	28	18	20	9.73e-03	3.551e-03	0.364971	9.780e+00	-0.333	7.48e-04	2.13e-03
11	29	19	21	1.01e-02	3.691e-03	0.364216	1.019e+01	-0.096	9.17e-04	2.25e-03
12	30	20	22	2.03e-02	7.371e-03	0.363844	2.037e+01	-0.128	8.42e-04	2.29e-03
13	31	21	23	1.69e+02	8.897e-03	0.000053	1.699e+05	0.009	5.89e-04	2.09e-04
14	32	22	24	6.45e-02	2.355e-02	0.365276	6.480e+01	-0.020	6.70e-04	2.34e-03
1	23	11	13	1.22e-02	4.460e-03	0.364744	1.844e+01	-0.313	6.59e-04	2.71e-03
2	24	12	14	7.41e-04	2.700e-04	0.364248	1.118e+00	-0.044	4.66e-04	2.11e-03
3	25	13	15	6.13e-03	2.236e-03	0.364529	9.250e+00	0.037	8.40e-04	2.48e-03
4	26	14	16	7.65e-03	2.799e-03	0.365702	1.154e+01	-0.222	5.21e-04	2.25e-03
5	27	15	17	7.38e-03	2.694e-03	0.365019	1.113e+01	-0.028	7.25e-04	2.12e-03
6	28	16	18	3.82e-03	1.397e-03	0.365466	5.763e+00	0.009	9.04e-04	2.07e-03
7	29	17	19	5.00e-03	1.825e-03	0.365332	7.544e+00	-0.052	6.73e-04	2.01e-03
8	30	18	20	3.42e-03	1.250e-03	0.365800	5.160e+00	-0.109	7.90e-04	2.50e-03
9	31	19	21	1.16e+02	1.015e-02	0.000088	1.750e+05	-0.090	4.88e-04	1.64e-04
10	32	20	22	4.33e-03	1.585e-03	0.365586	6.545e+00	-0.055	8.18e-04	1.22e-03
1	27	13	15	1.67e-02	6.098e-03	0.365372	3.523e+01	-0.196	6.90e-04	2.08e-03
2	28	14	16	1.20e-02	4.384e-03	0.364340	2.540e+01	-0.253	4.92e-04	2.24e-03
3	29	15	17	1.01e-02	3.697e-03	0.364444	2.142e+01	-0.030	8.74e-04	2.66e-03
4	30	16	18	2.01e-03	7.336e-04	0.365093	4.242e+00	0.021	1.06e-03	2.35e-03
5	31	17	19	1.14e+02	1.197e-02	0.000105	2.406e+05	-0.045	5.53e-04	1.28e-04
6	32	18	20	1.17e-02	4.272e-03	0.365558	2.467e+01	-0.177	1.02e-03	1.75e-03
1	31	15	17	1.21e+02	1.123e-02	0.000093	3.413e+05	-0.036	5.15e-04	1.59e-04
2	32	16	18	6.11e-03	2.230e-03	0.364987	1.717e+01	-0.016	8.27e-04	1.21e-03

1	22	10	13	1.01e-02	3.703e-03	0.365829	9.159e+00	-0.194	5.85e-04	8.66e-04
2	23	11	14	7.56e-04	2.758e-04	0.364838	6.842e-01	-0.126	8.68e-04	2.07e-03
3	24	12	15	1.45e-04	5.282e-05	0.365292	1.309e-01	-0.128	9.62e-04	1.79e-03
4	25	13	16	3.01e-03	1.097e-03	0.364788	2.723e+00	-0.065	7.99e-04	2.48e-03
5	26	14	17	3.15e-03	1.150e-03	0.364647	2.855e+00	-0.139	9.85e-04	2.29e-03
6	27	15	18	4.36e-03	1.590e-03	0.364823	3.945e+00	-0.029	7.85e-04	1.50e-03
7	28	16	19	1.16e-03	4.226e-04	0.364929	1.048e+00	-0.091	9.55e-04	2.32e-03
8	29	17	20	6.00e-03	2.195e-03	0.365631	5.433e+00	-0.078	6.29e-04	1.42e-03
9	30	18	21	1.19e-03	4.343e-04	0.365818	1.074e+00	-0.196	7.12e-04	2.18e-03
10	31	19	22	1.47e+02	1.160e-02	0.000079	1.332e+05	-0.153	6.71e-04	1.60e-04
11	32	20	23	8.91e-03	3.251e-03	0.364932	8.063e+00	-0.185	6.43e-04	1.65e-03
1	28	13	16	1.48e-02	5.405e-03	0.365662	2.229e+01	-0.157	9.73e-04	2.10e-03
2	29	14	17	9.17e-03	3.345e-03	0.364946	1.382e+01	-0.207	5.31e-04	2.41e-03
3	30	15	18	5.02e-03	1.837e-03	0.365669	7.585e+00	-0.030	8.01e-04	1.80e-03
4	31	16	19	8.40e+01	8.703e-03	0.000104	1.269e+05	-0.065	6.39e-04	1.30e-04
5	32	17	20	9.96e-03	3.645e-03	0.366048	1.501e+01	-0.046	8.83e-04	1.10e-03

DATI DI INPUT TOMOGRAFIA ELETTRICA  
WENNER-SCHLUMBERGER  
Tomografia Strada Mari - Monti TE 08

POSIZIONAMENTO ELETTRODI

N.	X	Z
1	0	0.10
2	8	0.35
3	16	0.60
4	24	0.85
5	32	1.10
6	40	1.10
7	48	1.10
8	56	1.10
9	64	1.10
10	72	1.10
11	80	1.10
12	88	1.10
13	96	1.10
14	104	1.10
15	112	1.10
16	120	1.10



17	128	1.10
18	136	1.40
19	144	1.70
20	152	2.10
21	160	2.20
22	168	2.00
23	176	1.75
24	184	1.50
25	192	1.25
26	200	1.00
27	208	0.75
28	216	0.50
29	224	0.25
30	232	0.00
31	240	0.25
32	248	0.50

#### CONDIZIONI INIZIALI

Resistività background omogeneo:	1820.48612358418
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#### LETTURE

n°	A	B	M	N	V/I Lett.	V/I Inv.	Delta V/I	% Err.
1	1	4	2	3	0.25800	0.693932400	0.435932400	16.9
2	2	5	3	4	0.28600	0.933304300	0.647304300	22.6
3	3	6	4	5	0.27700	0.819973500	0.542973500	19.6
4	4	7	5	6	0.27100	0.840559500	0.569559500	21.0
5	5	8	6	7	0.23400	0.788746100	0.554746100	23.7
6	6	9	7	8	0.24200	0.816017500	0.574017500	23.7
7	7	10	8	9	0.24900	0.766712800	0.517712800	20.8
8	8	11	9	10	0.24800	0.696658600	0.448658600	18.1
9	9	12	10	11	0.24800	0.595624500	0.347624500	14.0
10	10	13	11	12	0.26300	0.466232700	0.203232700	7.7
11	11	14	12	13	0.29600	0.553202100	0.257202100	8.7
12	12	15	13	14	49.30000	0.567284000	48.732716000	9.9
13	13	16	14	15	0.29100	0.731980100	0.440980100	15.2
14	14	17	15	16	0.00354	0.665107800	0.661567800	18688
15	15	18	16	17	38.30000	0.874717200	37.425282800	9.8
16	16	19	17	18	0.07850	0.647954800	0.569454800	72.5
17	17	20	18	19	0.13300	0.824884900	0.691884900	52.0
18	18	21	19	20	0.17600	0.747687900	0.571687900	32.5
19	19	22	20	21	0.17700	0.840766500	0.663766500	37.5
20	20	23	21	22	0.16200	0.794793100	0.632793100	39.1
21	21	24	22	23	0.18500	0.926069400	0.741069400	40.1
22	22	25	23	24	0.15900	0.878845700	0.719845700	45.3
23	23	26	24	25	0.14600	0.886736800	0.740736800	50.7
24	24	27	25	26	0.15600	0.746776800	0.590776800	37.9

25	25	28	26	27	0.12700	0.730449700	0.603449700	47.5
26	26	29	27	28	0.13600	0.735238700	0.599238700	44.1
27	27	30	28	29	0.14600	0.728755200	0.582755200	39.9
28	28	31	29	30	22.80000	1.877233000	20.922767000	9.2
29	29	32	30	31	0.10500	0.631286700	0.526286700	50.1
30	1	6	3	4	0.05450	0.189042800	0.134542800	24.7
31	2	7	4	5	0.06490	0.183418700	0.118518700	18.3
32	3	8	5	6	0.07040	0.207162500	0.136762500	19.4
33	4	9	6	7	0.06230	0.199781600	0.137481600	22.1
34	5	10	7	8	0.06910	0.208502500	0.139402500	20.2
35	6	11	8	9	0.07990	0.239384400	0.159484400	20.0
36	7	12	9	10	0.10200	0.193631100	0.091631100	9.0
37	8	13	10	11	0.08230	0.130628400	0.048328400	5.9
38	9	14	11	12	0.09770	0.121466200	0.023766200	2.4
39	10	15	12	13	41.80000	0.119215100	41.680784900	10.0
40	11	16	13	14	0.16900	0.095913430	0.073086570	4.3
41	12	17	14	15	0.07600	0.093670910	0.017670910	2.3
42	14	19	16	17	0.00303	0.139695200	0.136665200	451.0
43	15	20	17	18	38.00000	0.121508800	37.878491200	10.0
44	16	21	18	19	0.07990	0.172674500	0.092774500	11.6
45	17	22	19	20	0.02560	0.173462000	0.147862000	57.8
46	18	23	20	21	0.03370	0.177286200	0.143586200	42.6
47	19	24	21	22	0.02780	0.173497900	0.145697900	52.4
48	20	25	22	23	0.03370	0.203647400	0.169947400	50.4
49	21	26	23	24	0.03700	0.206939800	0.169939800	45.9
50	22	27	24	25	0.02940	0.165717100	0.136317100	46.4
51	23	28	25	26	0.04560	0.171931100	0.126331100	27.7
52	24	29	26	27	0.03950	0.163232000	0.123732000	31.3
53	25	30	27	28	0.05160	0.126605200	0.075005200	14.5
54	27	32	29	30	0.06490	0.208063100	0.143163100	22.1
55	1	8	4	5	0.02220	0.080416050	0.058216050	26.2
56	2	9	5	6	0.03120	0.081695210	0.050495210	16.2
57	3	10	6	7	0.03230	0.077973630	0.045673630	14.1
58	4	11	7	8	0.03160	0.104539500	0.072939500	23.1
59	5	12	8	9	0.03480	0.128434800	0.093634800	26.9
60	6	13	9	10	0.04930	0.096081580	0.046781580	9.5
61	7	14	10	11	0.07860	0.059310190	0.019289810	2.5
62	8	15	11	12	39.10000	0.056704620	39.043295380	10.0
63	9	16	12	13	0.16100	0.059209520	0.101790480	6.3
64	10	17	13	14	0.04380	0.030115720	0.013684280	3.1
65	11	18	14	15	0.02840	0.034986010	0.006586010	2.3
66	13	20	16	17	0.00439	0.045255320	0.040865320	93.1
67	14	21	17	18	0.06950	0.040430950	0.029069050	4.2
68	15	22	18	19	37.80000	0.068384810	37.731615190	10.0
69	16	23	19	20	0.10800	0.068740410	0.039259590	3.6
70	17	24	20	21	0.00934	0.067710850	0.058370850	62.5
71	18	25	21	22	0.00321	0.057564530	0.054354530	169.3
72	19	26	22	23	0.00615	0.078821730	0.072671730	118.2



73	20	27	23	24	0.00651	0.083557850	0.077047850	118.4
74	21	28	24	25	0.01150	0.076665490	0.065165490	56.7
75	22	29	25	26	0.00814	0.065495790	0.057355790	70.5
76	23	30	26	27	0.01870	0.058751570	0.040051570	21.4
77	25	32	28	29	0.03370	0.054915850	0.021215850	6.3
78	1	10	5	6	0.01430	0.038762320	0.024462320	17.1
79	2	11	6	7	0.02220	0.041566320	0.019366320	8.7
80	3	12	7	8	0.02950	0.059990860	0.030490860	10.3
81	4	13	8	9	0.05260	0.079841310	0.027241310	5.2
82	5	14	9	10	0.09700	0.063158920	0.033841080	3.5
83	6	15	10	11	47.00000	0.038261110	46.961738890	10.0
84	7	16	11	12	0.14100	0.034589140	0.106410860	7.5
85	8	17	12	13	0.03980	0.034876880	0.004923120	1.2
86	9	18	13	14	0.01910	0.018217140	0.000882860	0.5
87	10	19	14	15	0.01300	0.019545910	0.006545910	5.0
88	12	21	16	17	0.00269	0.025889470	0.023199470	86.2
89	13	22	17	18	0.00788	0.022668700	0.014788700	18.8
90	14	23	18	19	0.07150	0.037944590	0.033555410	4.7
91	15	24	19	20	45.30000	0.035649840	45.264350160	10.0
92	16	25	20	21	0.11000	0.033592700	0.076407300	6.9
93	17	26	21	22	0.03920	0.029408520	0.009791480	2.5
94	18	27	22	23	0.01110	0.039201340	0.028101340	25.3
95	19	28	23	24	0.00352	0.050929210	0.047409210	134.7
96	20	29	24	25	0.00358	0.046256130	0.042676130	119.2
97	21	30	25	26	0.01260	0.036583340	0.023983340	19.0
98	23	32	27	28	0.02590	0.021926450	0.003973550	1.5
99	1	12	6	7	0.01450	0.025350570	0.010850570	7.5
100	2	13	7	8	0.04520	0.036346390	0.008853610	2.0
101	3	14	8	9	0.11800	0.054005940	0.063994060	5.4
102	4	15	9	10	48.00000	0.046034310	47.953965690	10.0
103	5	16	10	11	0.14100	0.027640290	0.113359710	8.0
104	6	17	11	12	0.03350	0.025082630	0.008417370	2.5
105	7	18	12	13	0.01260	0.023578450	0.010978450	8.7
106	8	19	13	14	0.00532	0.011621690	0.006301690	11.8
107	9	20	14	15	0.00901	0.013377090	0.004367090	4.8
108	10	21	15	16	0.00345	0.014956840	0.011506840	33.4
109	11	22	16	17	0.00891	0.019180550	0.010270550	11.5
110	12	23	17	18	0.00440	0.016296470	0.011896470	27.0
111	13	24	18	19	0.01710	0.025525510	0.008425510	4.9
112	14	25	19	20	0.08190	0.023060310	0.058839690	7.2
113	15	26	20	21	41.60000	0.021550650	41.578449350	10.0
114	16	27	21	22	0.16000	0.018655900	0.141344100	8.8
115	17	28	22	23	0.03620	0.028806210	0.007393790	2.0
116	18	29	23	24	0.01560	0.035352650	0.019752650	12.7
117	19	30	24	25	0.00748	0.031467400	0.023987400	32.1
118	21	32	26	27	0.01830	0.016894070	0.001405930	0.8
119	1	14	7	8	0.09680	0.026563520	0.070236480	7.3
120	2	15	8	9	47.10000	0.039163840	47.060836160	10.0



121	3	16	9	10	0.16000	0.032791800	0.127208200	8.0
122	4	17	10	11	0.03090	0.020890800	0.010009200	3.2
123	5	18	11	12	0.01220	0.019166700	0.006966700	5.7
124	6	19	12	13	0.01270	0.017699410	0.004999410	3.9
125	7	20	13	14	0.00739	0.007994035	0.000604035	0.8
126	8	21	14	15	0.00236	0.009492553	0.007132553	30.2
127	9	22	15	16	0.01060	0.011793240	0.001193240	1.1
128	11	24	17	18	0.00378	0.012255720	0.008475720	22.4
129	12	25	18	19	0.00741	0.019508640	0.012098640	16.3
130	13	26	19	20	0.02060	0.018193320	0.002406680	1.2
131	14	27	20	21	0.06560	0.016689670	0.048910330	7.5
132	15	28	21	22	62.00000	0.015001040	61.984998960	10.0
133	16	29	22	23	0.12500	0.023055260	0.101944740	8.2
134	17	30	23	24	0.03480	0.027688780	0.007111220	2.0
135	19	32	25	26	0.01100	0.016175370	0.005175370	4.7
136	1	16	8	9	0.10000	0.030430430	0.069569570	7.0
137	2	17	9	10	0.03200	0.024141840	0.007858160	2.5
138	3	18	10	11	0.01230	0.015313030	0.003013030	2.4
139	4	19	11	12	0.00351	0.014770390	0.011260390	32.1
140	5	20	12	13	0.00678	0.013504510	0.006724510	9.9
141	6	21	13	14	0.00516	0.006080556	0.000920556	1.8
142	7	22	14	15	0.02100	0.007232658	0.013767342	6.6
143	8	23	15	16	0.00367	0.008970163	0.005300163	14.4
144	9	24	16	17	0.00532	0.011823160	0.006503160	12.2
145	10	25	17	18	0.00538	0.009802823	0.004422823	8.2
146	11	26	18	19	0.01380	0.016176930	0.002376930	1.7
147	12	27	19	20	0.01040	0.015772980	0.005372980	5.2
148	13	28	20	21	0.02500	0.015113300	0.009886700	4.0
149	14	29	21	22	0.12400	0.013019190	0.110980810	9.0
150	15	30	22	23	42.40000	0.019013990	42.380986010	10.0
151	17	32	24	25	0.02810	0.016761870	0.011338130	4.0
152	1	18	9	10	0.00974	0.018950050	0.009210050	9.5
153	2	19	10	11	0.00604	0.011343700	0.005303700	8.8
154	3	20	11	12	0.00591	0.010802990	0.004892990	8.3
155	5	22	13	14	0.01260	0.004756293	0.007843707	6.2
156	6	23	14	15	0.00495	0.005712476	0.000762476	1.5
157	8	25	16	17	0.00699	0.008925929	0.001935929	2.8
158	9	26	17	18	0.00652	0.008026069	0.001506069	2.3
159	10	27	18	19	0.01350	0.014208650	0.000708650	0.5
160	11	28	19	20	0.01140	0.014473230	0.003073230	2.7
161	12	29	20	21	0.01580	0.013837050	0.001962950	1.2
162	13	30	21	22	0.04510	0.011515380	0.033584620	7.4
163	15	32	23	24	44.10000	0.016925760	44.083074240	10.0
164	1	20	10	11	0.02060	0.008758660	0.011841340	5.7
165	3	22	12	13	0.01180	0.007742549	0.004057451	3.4
166	4	23	13	14	0.00529	0.003709788	0.001580212	3.0
167	6	25	15	16	0.00219	0.005267393	0.003077393	14.1
168	7	26	16	17	0.00796	0.007041798	0.000918202	1.2



169	8	27	17	18	0.00741	0.006522056	0.000887944	1.2
170	9	28	18	19	0.01420	0.012619040	0.001580960	1.1
171	10	29	19	20	0.01220	0.013244480	0.001044480	0.9
172	11	30	20	21	0.01190	0.012311280	0.000411280	0.3
173	13	32	22	23	0.01780	0.012932340	0.004867660	2.7
174	1	22	11	12	0.00214	0.006345676	0.004205676	19.7
175	2	23	12	13	0.00691	0.005738033	0.001171967	1.7
176	3	24	13	14	0.00534	0.002697127	0.002642873	4.9
177	4	25	14	15	0.00276	0.003431110	0.000671110	2.4
178	5	26	15	16	0.00743	0.004271523	0.003158477	4.3
179	6	27	16	17	0.00619	0.005947027	0.000242973	0.4
180	7	28	17	18	0.00256	0.005570592	0.003010592	11.8
181	8	29	18	19	0.01270	0.010653520	0.002046480	1.6
182	9	30	19	20	0.00544	0.011388540	0.005948540	10.9
183	11	32	21	22	0.00580	0.008142046	0.002342046	4.0
184	1	24	12	13	0.00757	0.004312400	0.003257600	4.3
185	2	25	13	14	0.00325	0.001991367	0.001258633	3.9
186	3	26	14	15	0.00405	0.002674734	0.001375266	3.4
187	4	27	15	16	0.00992	0.003604056	0.006315944	6.4
188	5	28	16	17	0.00724	0.005206382	0.002033618	2.8
189	6	29	17	18	0.00449	0.004871651	0.000381651	0.9
190	7	30	18	19	0.00283	0.008785546	0.005955546	21.0
191	9	32	20	21	0.00686	0.008351661	0.001491661	2.2
192	1	26	13	14	0.01130	0.001548272	0.009751728	8.6
193	2	27	14	15	0.00468	0.002188566	0.002491434	5.3
194	3	28	15	16	0.00973	0.003085135	0.006644865	6.8
195	4	29	16	17	0.00875	0.004543265	0.004206735	4.8
196	7	32	19	20	0.01020	0.006614606	0.003585394	3.5
197	1	28	14	15	0.01240	0.001903184	0.010496816	8.5
198	2	29	15	16	0.01080	0.002659239	0.008140761	7.5
199	3	30	16	17	0.00353	0.003734102	0.000204102	0.6
200	5	32	18	19	0.00657	0.005283765	0.001286235	2.0
201	1	30	15	16	0.00617	0.002235044	0.003934956	6.4
202	3	32	17	18	0.00870	0.002341892	0.006358108	7.3
203	1	32	16	17	0.00383	0.002098646	0.001731354	4.5
204	1	11	5	7	0.02620	0.062901470	0.036701470	14.0
205	2	12	6	8	0.03370	0.080169780	0.046469780	13.8
206	3	13	7	9	0.05600	0.108326400	0.052326400	9.3
207	4	14	8	10	0.13200	0.123536800	0.008463200	0.6
208	5	15	9	11	47.10000	0.089986480	47.010013520	10.0
209	6	16	10	12	0.12300	0.063440870	0.059559130	4.8
210	7	17	11	13	0.05370	0.057702420	0.004002420	0.7
211	8	18	12	14	0.02630	0.047466020	0.021166020	8.0
212	9	19	13	15	0.02000	0.033506450	0.013506450	6.8
213	10	20	14	16	0.01490	0.035090260	0.020190260	13.6
214	12	22	16	18	0.01840	0.042314410	0.023914410	13.0
215	13	23	17	19	0.00453	0.053273610	0.048743610	107.6
216	14	24	18	20	0.06610	0.059263140	0.006836860	1.0



217	15	25	19	21	41.40000	0.056065430	41.343934570	10.0
218	16	26	20	22	0.12000	0.050291030	0.069708970	5.8
219	17	27	21	23	0.02820	0.057728800	0.029528800	10.5
220	18	28	22	24	0.00605	0.074656030	0.068606030	113.4
221	19	29	23	25	0.00200	0.083350530	0.081350530	406.8
222	20	30	24	26	0.01370	0.069185770	0.055485770	40.5
223	22	32	26	28	0.01770	0.039306460	0.021606460	12.2
224	1	15	7	9	47.40000	0.057012940	47.342987060	10.0
225	2	16	8	10	0.12600	0.062983930	0.063016070	5.0
226	3	17	9	11	0.03910	0.047523690	0.008423690	2.2
227	4	18	10	12	0.01630	0.035863350	0.019563350	12.0
228	5	19	11	13	0.01320	0.032585270	0.019385270	14.7
229	6	20	12	14	0.01610	0.023689960	0.007589960	4.7
230	7	21	13	15	0.01320	0.015622180	0.002422180	1.8
231	8	22	14	16	0.01900	0.019006890	0.000006890	0
232	11	25	17	19	0.00227	0.029109310	0.026839310	118.2
233	12	26	18	20	0.00827	0.034456210	0.026186210	31.7
234	13	27	19	21	0.01680	0.032552640	0.015752640	9.4
235	14	28	20	22	0.11600	0.029718880	0.086281120	7.4
236	15	29	21	23	42.20000	0.035530270	42.164469730	10.0
237	16	30	22	24	0.09340	0.045749680	0.047650320	5.1
238	18	32	24	26	0.00727	0.032260580	0.024990580	34.4
239	2	20	10	12	0.00553	0.019302480	0.013772480	24.9
240	3	21	11	13	0.00365	0.018399460	0.014749460	40.4
241	4	22	12	14	0.01250	0.014155340	0.001655340	1.3
242	5	23	13	15	0.00430	0.009595612	0.005295612	12.3
243	6	24	14	16	0.00386	0.011127450	0.007267450	18.8
244	8	26	16	18	0.00382	0.015120840	0.011300840	29.6
245	9	27	17	19	0.00397	0.020646100	0.016676100	42.0
246	10	28	18	20	0.00973	0.027540450	0.017810450	18.3
247	11	29	19	21	0.01010	0.027199750	0.017099750	16.9
248	12	30	20	22	0.02030	0.023972760	0.003672760	1.8
249	14	32	22	24	0.06450	0.029414050	0.035085950	5.4
250	1	23	11	13	0.01220	0.010655660	0.001544340	1.3
251	3	25	13	15	0.00613	0.005473736	0.000656264	1.1
252	4	26	14	16	0.00765	0.007015182	0.000634818	0.8
253	5	27	15	17	0.00738	0.009416442	0.002036442	2.8
254	6	28	16	18	0.00382	0.010849700	0.007029700	18.4
255	7	29	17	19	0.00500	0.014899740	0.009899740	19.8
256	8	30	18	20	0.00342	0.019924850	0.016504850	48.3
257	10	32	20	22	0.00433	0.016934120	0.012604120	29.1
258	1	27	13	15	0.01670	0.003462568	0.013237432	7.9
259	2	28	14	16	0.01200	0.004918553	0.007081447	5.9
260	3	29	15	17	0.01010	0.007048404	0.003051596	3.0
261	6	32	18	20	0.01170	0.011847850	0.000147850	0.1
262	2	32	16	18	0.00611	0.004408694	0.001701306	2.8
263	1	22	10	13	0.01010	0.019368720	0.009268720	9.2
264	4	25	13	16	0.00301	0.011064040	0.008054040	26.8



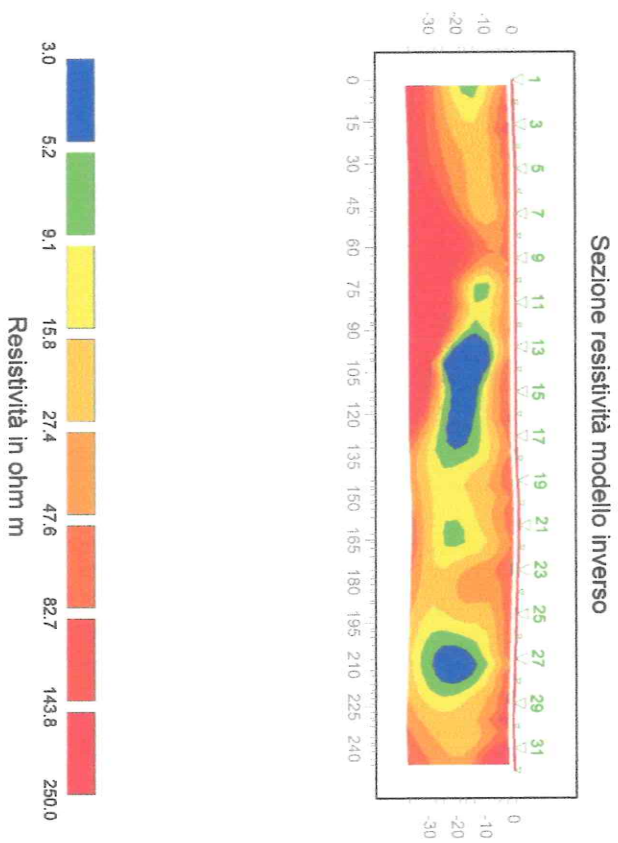
265	5	26	14	17	0.00315	0.013768450	0.010618450	33.7
266	6	27	15	18	0.00436	0.015785360	0.011425360	26.2
267	8	29	17	20	0.00600	0.027652670	0.021652670	36.1
268	11	32	20	23	0.00891	0.029912060	0.021002060	23.6
269	1	28	13	16	0.01480	0.005979341	0.008820659	6.0
270	2	29	14	17	0.00917	0.008479235	0.000690765	0.8
271	3	30	15	18	0.00502	0.009887677	0.004867677	9.7
272	5	32	17	20	0.00996	0.013680180	0.003720180	3.7

# LETTURE SCARTATE PER ECCESSIVO RUMORE

A	B	M	N	V/I
13	18	15	16	0.0003380
26	31	28	29	198.0000000
12	19	15	16	0.0001130
24	31	27	28	205.0000000
11	20	15	16	0.0015600
22	31	26	27	314.0000000
20	31	25	26	159.0000000
10	23	16	17	0.0026000
18	31	24	25	104.0000000
16	31	23	24	124.0000000
4	21	12	13	0.0004340
7	24	15	16	0.0005810
14	31	22	23	95.8000000
2	21	11	12	0.0014500
5	24	14	15	0.0000322
12	31	21	22	146.0000000
10	31	20	21	115.0000000
8	31	19	20	124.0000000
5	30	17	18	0.0005460
6	31	18	19	135.0000000
4	31	17	18	161.0000000
2	31	16	17	60.9000000
11	21	15	17	0.0015100
21	31	25	27	96.8000000
9	23	15	17	0.0022700
10	24	16	18	0.0012700
17	31	23	25	95.2000000
1	19	9	11	0.0009650
7	25	15	17	0.0010400
13	31	21	23	169.0000000
2	24	12	14	0.0007410
9	31	19	21	116.0000000
4	30	16	18	0.0020100
5	31	17	19	114.0000000

# **STRADA MARE EMONTI TE08** **WENNER-SCHLUMBERGER**

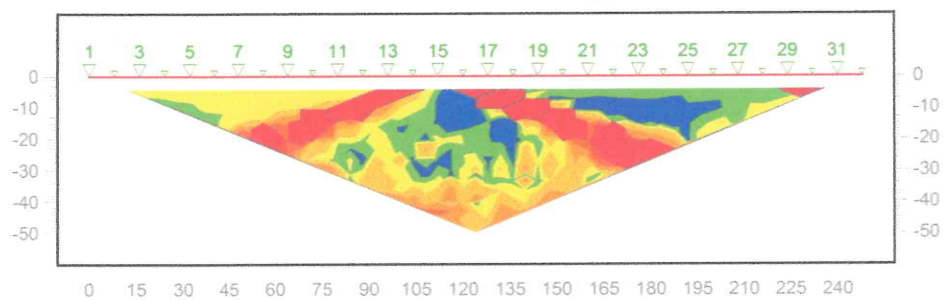
1	31	15	17	121.0000000
2	23	11	14	0.0007560
3	24	12	15	0.0001450
7	28	16	19	0.0011600
9	30	18	21	0.0011900
10	31	19	22	147.0000000
4	31	16	19	84.0000000



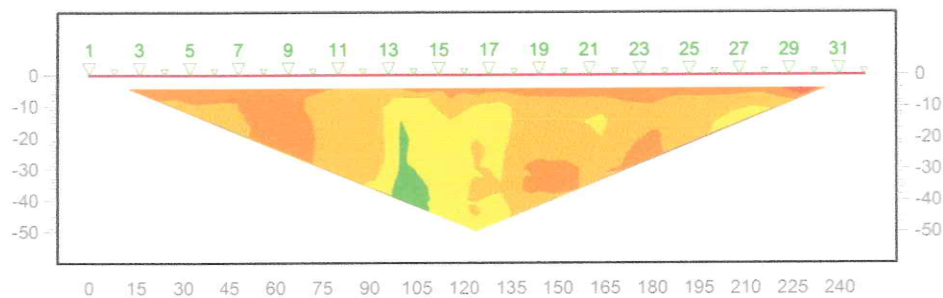
# STRADA MARE EMONTI TE08

## WENNER-SCHLUMBERGER

Pseudosezione resistività apparente



Pseudosezione resistività calcolata





## FOTO STENDIMENTO

TE09	37°36.071'N	13°24.167'E	90 m
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METHODE=WENNER-SCHLUMBERGER TE09

a[m]=6.0

a	b	m	n	V/I[ohm]	V[V]	I[A]	R[ohm*m]	SP[V]	NV	NI
1	4	2	3	7.15e-01	2.157e-01	0.301553	2.832e+01	0.008	6.26e-04	1.92e-03
2	5	3	4	6.80e-01	2.049e-01	0.301380	2.691e+01	-0.519	1.09e-03	1.63e-03
3	6	4	5	6.30e-01	1.901e-01	0.301522	2.495e+01	-0.026	7.38e-04	1.97e-03
4	7	5	6	5.79e-01	1.741e-01	0.300966	2.290e+01	-0.176	7.93e-04	1.65e-03
5	8	6	7	4.71e-01	1.413e-01	0.300074	1.864e+01	0.111	9.83e-04	2.99e-03
6	9	7	8	3.64e-01	1.097e-01	0.301342	1.441e+01	-0.304	1.03e-03	2.41e-03
7	10	8	9	3.44e-01	1.037e-01	0.301161	1.363e+01	-0.080	9.91e-04	2.76e-03
8	11	9	10	3.16e-01	9.534e-02	0.302030	1.250e+01	-0.081	9.51e-04	1.89e-03
9	12	10	11	3.57e-01	1.079e-01	0.302098	1.413e+01	-0.083	1.01e-03	2.07e-03
10	13	11	12	3.45e-01	1.042e-01	0.302377	1.364e+01	-0.053	8.22e-04	2.60e-03
11	14	12	13	4.73e-01	1.427e-01	0.302062	1.871e+01	-0.149	7.88e-04	2.55e-03
12	15	13	14	5.47e+01	1.653e+01	0.302376	2.163e+03	-0.009	1.49e-02	2.96e-03
13	16	14	15	1.97e-01	5.950e-02	0.301649	7.808e+00	7.305	1.72e-03	1.96e-03
1	6	3	4	2.16e-01	6.516e-02	0.302346	2.559e+01	-0.039	8.19e-04	1.61e-03
2	7	4	5	1.75e-01	5.275e-02	0.302069	2.074e+01	0.037	6.78e-04	1.79e-03
3	8	5	6	1.71e-01	5.153e-02	0.302166	2.025e+01	-0.579	1.07e-03	2.17e-03
4	9	6	7	1.64e-01	4.950e-02	0.301119	1.952e+01	0.155	9.42e-04	2.50e-03
5	10	7	8	1.42e-01	4.271e-02	0.301826	1.681e+01	-0.274	8.21e-04	2.20e-03
6	11	8	9	1.45e-01	4.378e-02	0.301784	1.723e+01	-0.042	8.81e-04	2.76e-03
7	12	9	10	1.42e-01	4.299e-02	0.302076	1.690e+01	-0.035	9.22e-04	2.15e-03
8	13	10	11	1.48e-01	4.487e-02	0.302688	1.760e+01	-0.051	1.44e-03	2.08e-03
9	14	11	12	1.35e-01	4.078e-02	0.301315	1.607e+01	-0.023	1.13e-03	3.04e-03
10	15	12	13	5.59e+01	1.691e+01	0.302386	6.641e+03	-0.115	6.18e-03	2.60e-03
11	16	13	14	2.22e-01	6.702e-02	0.302138	2.634e+01	-0.005	9.08e-04	2.54e-03
1	8	4	5	8.72e-02	2.636e-02	0.302099	2.072e+01	0.039	7.56e-04	2.03e-03
2	9	5	6	8.57e-02	2.592e-02	0.302360	2.036e+01	-0.055	8.84e-04	2.37e-03



3	10	6	7	8.25e-02	2.491e-02	0.301871	1.960e+01	0.047	6.03e-04	2.41e-03
4	11	7	8	6.01e-02	1.818e-02	0.302354	1.428e+01	-0.564	7.09e-04	2.38e-03
5	12	8	9	7.36e-02	2.223e-02	0.302141	1.747e+01	-0.021	1.02e-03	1.72e-03
6	13	9	10	8.07e-02	2.446e-02	0.303064	1.917e+01	-0.012	9.44e-04	2.22e-03
7	14	10	11	7.84e-02	2.379e-02	0.303255	1.863e+01	-0.031	6.93e-04	1.81e-03
8	15	11	12	6.62e+01	2.004e+01	0.302712	1.572e+04	-0.169	9.13e-03	1.44e-03
9	16	12	13	1.20e-01	3.644e-02	0.302713	2.859e+01	0.112	1.02e-03	2.56e-03
1	10	5	6	5.52e-02	1.671e-02	0.302582	2.186e+01	-0.037	5.36e-04	1.40e-03
2	11	6	7	5.12e-02	1.549e-02	0.302450	2.027e+01	0.064	7.83e-04	2.37e-03
3	12	7	8	4.31e-02	1.305e-02	0.302906	1.706e+01	-0.067	9.72e-04	1.68e-03
4	13	8	9	4.63e-02	1.397e-02	0.302080	1.831e+01	0.020	5.94e-04	2.29e-03
5	14	9	10	3.13e-02	9.455e-03	0.302417	1.238e+01	-0.600	8.13e-04	1.88e-03
6	15	10	11	5.02e+01	1.521e+01	0.302932	1.988e+04	-0.011	5.74e-03	2.37e-03
7	16	11	12	7.13e-02	2.155e-02	0.302418	2.821e+01	0.178	7.20e-04	1.89e-03
1	12	6	7	5.28e-02	1.603e-02	0.303800	3.134e+01	0.128	6.49e-04	2.67e-03
2	13	7	8	1.53e-02	4.619e-03	0.302430	9.068e+00	-0.211	8.44e-04	2.13e-03
3	14	8	9	2.86e-02	8.662e-03	0.302465	1.700e+01	0.009	5.92e-04	2.58e-03
4	15	9	10	4.32e+01	1.311e+01	0.303423	2.565e+04	-0.515	6.71e-03	2.41e-03
5	16	10	11	6.38e-02	1.936e-02	0.303272	3.791e+01	0.204	7.86e-04	2.22e-03
1	14	7	8	1.64e-02	4.965e-03	0.303080	1.362e+01	-0.133	7.66e-04	2.63e-03
2	15	8	9	4.35e+01	1.318e+01	0.303015	3.615e+04	-0.509	7.01e-03	2.40e-03
3	16	9	10	5.31e-02	1.612e-02	0.303886	4.410e+01	0.073	6.70e-04	2.97e-03
1	7	3	5	2.55e-01	7.744e-02	0.303361	2.021e+01	-0.146	7.31e-04	2.27e-03
2	8	4	6	2.59e-01	7.820e-02	0.302496	2.047e+01	-0.053	6.48e-04	2.36e-03
3	9	5	7	2.31e-01	6.987e-02	0.302986	1.826e+01	-0.442	8.15e-04	2.24e-03
4	10	6	8	2.29e-01	6.957e-02	0.303328	1.816e+01	-0.587	7.30e-04	1.71e-03
5	11	7	9	2.14e-01	6.493e-02	0.303483	1.694e+01	-0.394	5.37e-04	2.00e-03
6	12	8	10	2.27e-01	6.891e-02	0.303058	1.800e+01	-0.155	6.00e-04	1.95e-03
7	13	9	11	2.29e-01	6.959e-02	0.303661	1.814e+01	-0.112	6.10e-04	1.40e-03
8	14	10	12	2.17e-01	6.567e-02	0.303077	1.715e+01	-0.071	6.12e-04	2.03e-03

9	15	11	13	5.60e+01	1.699e+01	0.303272	4.435e+03	0.080	4.50e-03	1.68e-03
10	16	12	14	2.66e-01	8.075e-02	0.303879	2.104e+01	-0.131	7.19e-04	2.41e-03
1	11	5	7	8.57e-02	2.596e-02	0.303033	2.035e+01	0.014	6.54e-04	2.68e-03
2	12	6	8	7.50e-02	2.275e-02	0.303489	1.781e+01	-0.007	5.34e-04	2.10e-03
3	13	7	9	7.46e-02	2.261e-02	0.302855	1.773e+01	-0.038	6.46e-04	2.08e-03
4	14	8	10	7.63e-02	2.319e-02	0.304077	1.812e+01	0.039	6.02e-04	2.05e-03
5	15	9	11	5.04e+01	1.527e+01	0.303062	1.197e+04	-0.561	7.14e-03	2.49e-03
6	16	10	12	5.59e-02	1.700e-02	0.303966	1.328e+01	-0.636	8.18e-04	2.72e-03
1	15	7	9	4.37e+01	1.322e+01	0.302586	2.075e+04	-0.582	5.49e-03	2.03e-03
2	16	8	10	3.00e-02	9.091e-03	0.302890	1.426e+01	0.016	7.16e-04	2.72e-03

DATI DI INPUT TOMOGRAFIA ELETTRICA  
STRADA MARE E MONTI TE09  
WENNER-SCHLUMBERGER  
POSIZIONAMENTO ELETTRODI

N.	X	Z
1	0	0.0
2	6	0.1
3	12	0.2
4	18	0.3
5	24	0.4
6	30	0.5
7	36	0.6
8	42	0.7
9	48	0.8
10	54	0.9
11	60	1.0
12	66	1.1
13	72	1.2
14	78	1.3
15	84	1.4
16	90	1.5

CONDIZIONI INIZIALI

Resistività background omogeneo:	2189.13559423226
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# LETTURE

n°	A	B	M	N	V/I Lett.	V/I Inv.	Delta V/I	% Err.
1	1	4	2	3	0.7150	0.80599790	0.09099790	1.3
2	2	5	3	4	0.6800	0.74803920	0.06803920	1.0
3	3	6	4	5	0.6300	0.59949080	0.03050920	0.5
4	4	7	5	6	0.5790	0.45762880	0.12137120	2.1
5	5	8	6	7	0.4710	0.41003460	0.06096540	1.3
6	6	9	7	8	0.3640	0.37889150	0.01489150	0.4
7	7	10	8	9	0.3440	0.27861030	0.06538970	1.9
8	8	11	9	10	0.3160	0.34990690	0.03390690	1.1
9	9	12	10	11	0.3570	0.35549510	0.00150490	0
10	10	13	11	12	0.3450	0.39090390	0.04590390	1.3
11	11	14	12	13	0.4730	0.47663670	0.00363670	1
12	12	15	13	14	54.7000	1.64817800	53.05182200	9.7
13	13	16	14	15	0.1970	0.48388280	0.28688280	14.6
14	1	6	3	4	0.2160	0.23189210	0.01589210	0.7
15	2	7	4	5	0.1750	0.18143880	0.00643880	0.4
16	3	8	5	6	0.1710	0.15642820	0.01457180	0.9
17	4	9	6	7	0.1640	0.13815470	0.02584530	1.6
18	5	10	7	8	0.1420	0.10364520	0.03835480	2.7
19	6	11	8	9	0.1450	0.09398425	0.05101575	3.5
20	7	12	9	10	0.1420	0.12957510	0.01242490	0.9
21	8	13	10	11	0.1480	0.13594040	0.01205960	0.8
22	9	14	11	12	0.1350	0.13760440	0.00260440	0.2
23	10	15	12	13	55.9000	0.21116370	55.68883630	10.0
24	11	16	13	14	0.2220	0.20058160	0.02141840	1.0
25	1	8	4	5	0.0872	0.10202310	0.01482310	1.7
26	2	9	5	6	0.0857	0.08424716	0.00145284	0.2
27	3	10	6	7	0.0825	0.08105186	0.00144814	0.2
28	4	11	7	8	0.0601	0.06610730	0.00600730	1.0
29	5	12	8	9	0.0736	0.06167434	0.01192566	1.6
30	6	13	9	10	0.0807	0.08422499	0.00352499	0.4
31	7	14	10	11	0.0784	0.08163133	0.00323133	0.4
32	8	15	11	12	66.2000	0.09971461	66.10028539	10.0
33	9	16	12	13	0.1200	0.09396446	0.02603554	2.2
34	1	10	5	6	0.0552	0.05430564	0.00089436	0.2
35	2	11	6	7	0.0512	0.04866522	0.00253478	0.5
36	3	12	7	8	0.0431	0.04423406	0.00113406	0.3
37	4	13	8	9	0.0463	0.04257491	0.00372509	0.8
38	5	14	9	10	0.0313	0.05658913	0.02528913	8.1
39	6	15	10	11	50.2000	0.06613594	50.13386406	10.0
40	7	16	11	12	0.0713	0.05872631	0.01257369	1.8
41	1	12	6	7	0.0528	0.03259341	0.02020659	3.8
42	2	13	7	8	0.0153	0.02649850	0.01119850	7.3
43	3	14	8	9	0.0286	0.02651038	0.00208962	0.7
44	4	15	9	10	43.2000	0.04399357	43.15600643	10.0
45	5	16	10	11	0.0638	0.04049421	0.02330579	3.7
46	1	14	7	8	0.0164	0.01584744	0.00055256	0.3



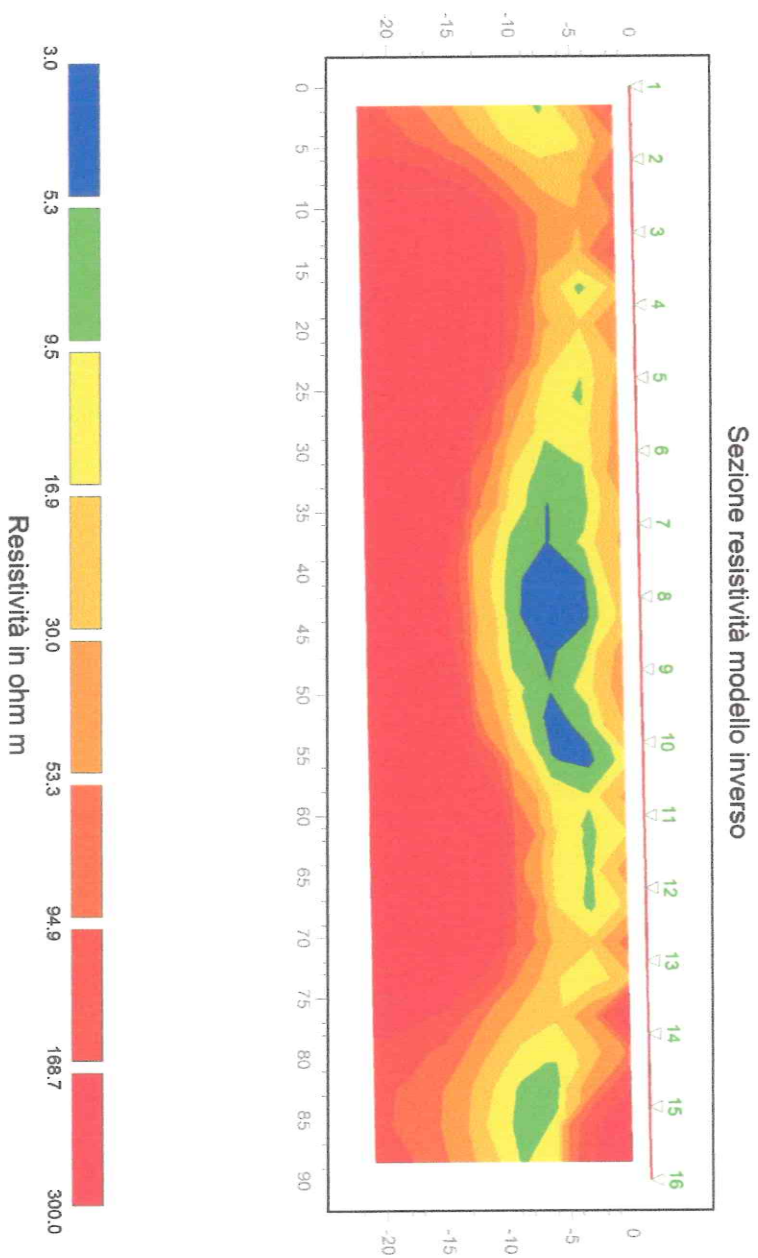
47	2	15	8	9	43.5000	0.01788424	43.48211576	10.0
48	3	16	9	10	0.0531	0.02449295	0.02860705	5.4
49	1	7	3	5	0.2550	0.32129640	0.06629640	2.6
50	2	8	4	6	0.2590	0.25408070	0.00491930	0.2
51	3	9	5	7	0.2310	0.24046920	0.00946920	0.4
52	4	10	6	8	0.2290	0.19731590	0.03168410	1.4
53	5	11	7	9	0.2140	0.17169690	0.04230310	2.0
54	6	12	8	10	0.2270	0.18826040	0.03873960	1.7
55	7	13	9	11	0.2290	0.22711140	0.00188860	0.1
56	8	14	10	12	0.2170	0.21285840	0.00414160	0.2
57	9	15	11	13	56.0000	0.30082720	55.69917280	9.9
58	10	16	12	14	0.2660	0.27864100	0.01264100	0.5
59	1	11	5	7	0.0857	0.08679617	0.00109617	0.1
60	2	12	6	8	0.0750	0.07563892	0.00063892	0.1
61	3	13	7	9	0.0746	0.07402469	0.00057531	0.1
62	4	14	8	10	0.0763	0.08260296	0.00630296	0.8
63	5	15	9	11	50.4000	0.11288720	50.28711280	10.0
64	6	16	10	12	0.0559	0.09932343	0.04342343	7.8
65	1	15	7	9	43.7000	0.02931846	43.67068154	10.0
66	2	16	8	10	0.0300	0.02937879	0.00062121	0.2

LETTURE SCARTATE PER ECCESSIVO RUMORE

A	B	M	N	V/I
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# STRADA MARE E MONTI TE09

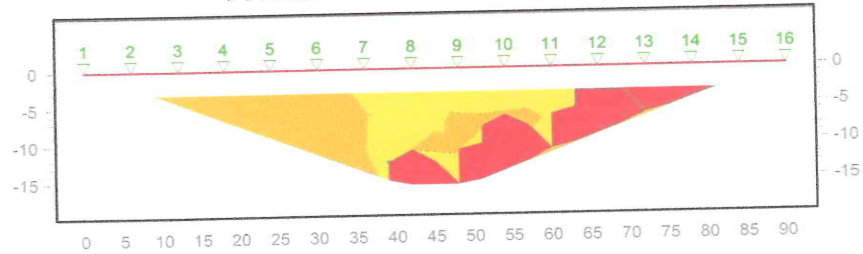
## WENNER-SCHLUMBERGER



# STRADA MARE E MONTI TE09

## WENNER-SCHLUMBERGER

Pseudosezione resistività apparente



Pseudosezione resistività calcolata



[www.geosoft.com](http://www.geosoft.com)

Lo Sperimentatore  
Geol. Giuseppe Sclafani

