



**PROGRAMMA OPERATIVO NAZIONALE RICERCA E COMPETITIVITÀ PER LE REGIONI DELLA
CONVERGENZA - 2007/2013 - CCI: 2007IT161PO006**

ASSE I “SOSTEGNO AI MUTAMENTI STRUTTURALI”

**OBIETTIVO OPERATIVO 4.1.1.1. “AREE SCIENTIFICO-TECNOLOGICHE GENERATRICI DI PROCESSI DI
TRASFORMAZIONE DEL SISTEMA PRODUTTIVO E CREATRICI DI NUOVI SETTORI”**

AZIONE II: “INTERVENTI DI SOSTEGNO DELLA RICERCA INDUSTRIALE”

PROGETTO PON01_02710 MASSIMO

AMBITO/SETTORE BENI CULTURALI

CUP B21C11000550005

UNIVERSITÀ DELLA CALABRIA – DIPARTIMENTO DI FISICA

BOLLETTINO

DELLA

SISMICITÀ DELLA CALABRIA

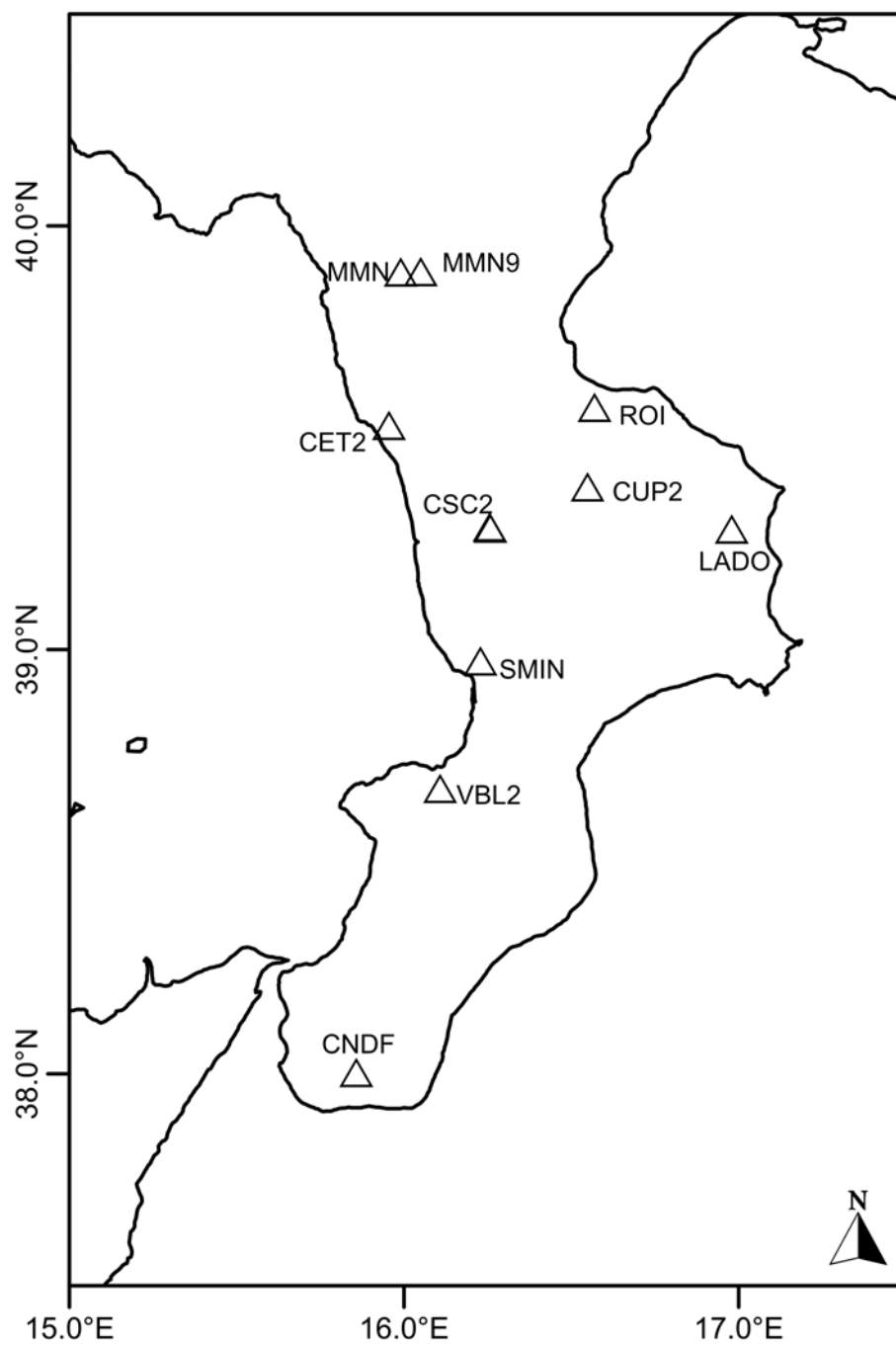
E

DELLE AREE CIRCOSTANTI

prodotto nell'ambito delle attività dell'O.R. 2.1

Periodo 01-15 Novembre 2013

Distribuzione delle stazioni della Rete Sismica UniCal – Pon MASSIMO



Toponomastica delle aree epicentrali

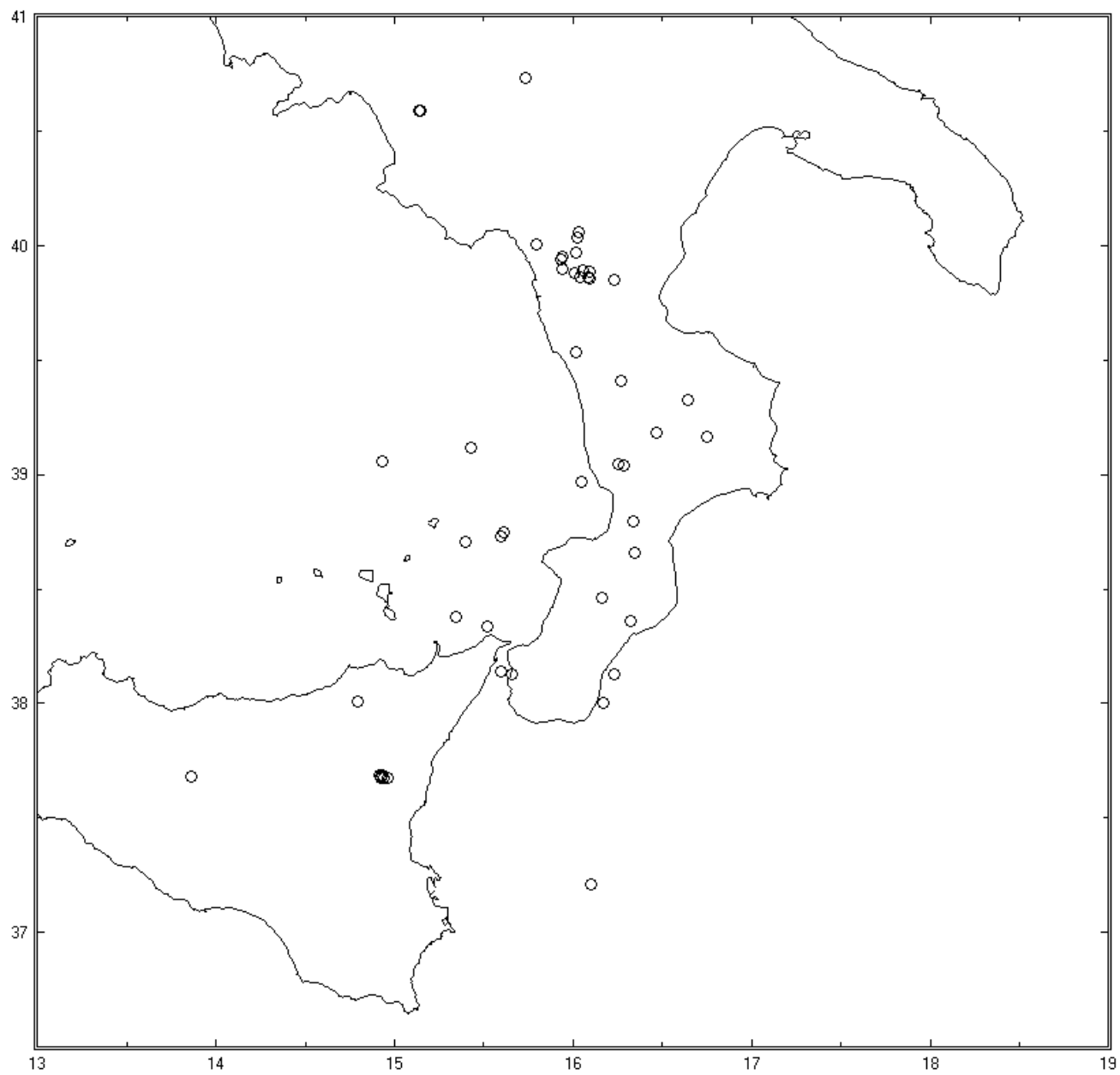


1 Murge	19 Piana di Sibari	37 Offshore Punta Stilo	55 Milazzo
2 Penisola Salentina	20 Valle dell'Esaro	38 Punta Stilo	56 Monti Peloritani
3 Piana del Bradano e del Basento	21 Catena del Pollino	39 Serre centro-settentrionali	57 Stretto di Messina
4 Golfo di Taranto	22 Marate - Rotonda	40 Valle del Mesima	58 Aspromonte
5 Vallo di Diano	23 Cilento	41 Monte Poro	59 Serre meridionali
6 Bacino di Sant'Arcangelo	24 Offshore Cilento	42 Piana di Gioia Tauro	60 Locride
7 Appennino Lucano	25 Golfo di Policastro	43 Bacino di Gioia	61 Offshore Locride
8 Confine calabro-lucano or.	26 Offshore Scalea - Diamante	44 Canyon di Stromboli	62 Aspromonte meridionale
9 Golfo di Sibari	27 Alto Tirreno Cosentino	45 Stromboli	63 Offshore Calabria Meridionale
10 Offshore Cirò	28 Catena Costiera	46 Panarea	64 Coste Sicilia or.
11 Offshore Crotona	29 Vulcani Palinuro ed Entrio	47 Salina	65 Etna
12 Marchesato	30 Vulcano Marsili	48 Filicudi	66 Monti Madonie - Nebrodi
13 Presila Nord-or.	31 Piana Batiale del tirreno	49 Alicudi	67 Sicilia centro-meridionale
14 Sila Grande	32 Scarpata di Paola	50 Seamount Sisifo ed Eolo	68 Sicilia occidentale
15 Sila Piccola	33 Bacino di Paola	51 Bacino di Alicudi	69 Piana batiale ionica
16 Amantea - Monte Reventino	34 Golfo di Sant'Eufemia	52 Bacino di Cefalù	70 Ofanto
17 Valle del Crati	35 Stretta di Catanzaro	53 Lipari	71 Capitanata
18 Sila Greca	36 Golfo di Squillace	54 Vulcano	

Parametri ipocentrali degli eventi localizzati nel periodo di riferimento

Data	Orario		Lat N	LON E	H ₀	m	δlat	δlon	δH ₀	nr	GAP	sqm	δT ₀
	aammgg	hhmm ss.s	°	°	km		km	km	km		°	sec	sec
131101	0008	40.8	37.6820	13.8610	15.5	3.1	1.38	1.01	3.32	42	66	0.57	0.15
131101	0213	11.8	39.4094	16.2672	8.5	1.0	0.26	0.28	0.81	14	102	0.14	0.04
131101	0440	18.1	38.7304	15.5939	207.4	3.1	1.74	3.14	5.25	72	75	0.63	0.08
131101	0733	3.3	39.3280	16.6457	15.4	1.4	0.90	1.04	2.40	15	84	0.41	0.11
131101	1218	44.2	39.5376	16.0154	46.7	1.6	2.23	3.38	4.35	8	97	0.54	0.22
131101	2341	5.0	40.5900	15.1452	0.0	2.2	0.92	1.78	2.36	24	189	0.53	0.21
131102	0435	58.1	39.9721	16.0173	8.7	1.6	0.55	1.60	1.65	10	157	0.28	0.11
131102	0910	53.8	38.3778	15.3400	133.3	2.4	2.23	2.67	4.74	35	112	0.57	0.14
131102	1914	35.2	38.3576	16.3249	45.3	2.1	1.08	1.42	2.96	24	172	0.37	0.14
131102	2030	21.6	39.0458	16.2538	8.1	2.1	0.34	0.56	1.86	30	120	0.32	0.06
131103	0844	18.2	40.0365	16.0223	13.0	1.2	1.03	1.11	2.81	15	108	0.48	0.13
131103	1433	40.7	40.5893	15.1348	13.5	2.7	0.71	1.57	2.53	24	212	0.44	0.21
131103	1644	25.1	39.1814	16.4697	3.4	1.1	0.56	0.46	1.56	13	91	0.27	0.08
131103	2240	40.7	38.0008	16.1727	36.9	1.8	1.39	1.02	2.22	27	243	0.28	0.17
131104	1513	51.0	39.9529	15.9429	5.2	1.4	0.67	0.85	1.52	13	137	0.26	0.07
131104	1531	30.1	39.9427	15.9347	4.9	1.3	0.43	0.41	0.88	13	136	0.15	0.05
131104	2029	3.8	39.8988	15.9405	53.1	1.9	1.98	2.82	3.20	12	129	0.41	0.12
131105	0506	38.8	37.6772	14.9207	23.4	3.1	0.54	0.75	2.98	63	59	0.51	0.07
131105	0507	49.9	37.6842	14.9171	25.5	2.6	0.50	0.72	2.64	42	57	0.41	0.07
131105	0510	15.7	37.6746	14.9365	23.2	3.3	0.54	0.73	3.08	71	86	0.53	0.07
131105	0516	10.1	37.6736	14.9648	22.6	2.7	0.59	0.87	2.74	36	89	0.47	0.08
131105	0529	57.6	37.6816	14.9258	24.7	2.9	0.42	0.64	2.16	43	78	0.37	0.06
131105	0533	3.9	37.6838	14.9286	21.5	2.6	0.59	0.83	2.62	34	58	0.45	0.08
131105	1725	23.4	39.8823	16.0073	8.0	2.8	0.46	0.71	2.84	50	117	0.49	0.07
131105	1726	44.9	39.8835	16.0065	12.2	3.3	0.49	0.81	2.64	49	114	0.45	0.07
131105	1738	34.5	38.0095	14.7926	7.1	2.2	0.60	0.52	2.37	28	59	0.41	0.08
131105	2129	9.2	39.8637	16.0818	5.5	1.8	0.57	0.64	1.15	12	101	0.25	0.09
131106	0304	51.1	39.8905	16.0513	6.0	1.6	0.52	0.54	0.95	9	124	0.16	0.06
131107	0055	48.4	38.7484	15.6133	153.6	2.6	1.21	2.53	3.41	38	162	0.41	0.11
131107	0721	0.0	38.1386	15.5943	10.0	1.9	0.47	0.25	1.09	19	116	0.19	0.04
131107	2241	39.6	39.8632	16.0428	7.7	1.5	0.60	0.94	1.68	16	112	0.29	0.09
131108	0640	7.5	39.8529	16.2285	4.4	1.8	0.86	0.70	2.13	16	76	0.47	0.12
131108	1644	1.7	38.7944	16.3346	15.1	1.4	0.57	0.91	2.02	15	98	0.35	0.10
131108	1906	33.6	40.0078	15.7943	9.3	2.0	1.39	1.60	1.23	6	322	0.21	0.32
131108	2235	39.0	38.1253	15.6603	10.4	1.0	0.70	0.35	1.15	10	147	0.20	0.06
131109	0413	29.6	39.0420	16.2829	5.1		0.52	2.54	1.58	8	204	0.27	0.21
131109	1119	57.2	38.1283	16.2301	16.4	1.6	0.73	0.77	1.50	15	198	0.26	0.13
131109	1820	27.5	39.1195	15.4304	95.4	1.8	2.34	2.45	5.53	20	117	0.69	0.18
131110	1627	26.9	38.7058	15.3964	108.6		3.49	10.86	5.40	6	235	0.65	0.70
131110	2003	38.0	38.4608	16.1630	4.5	2.0	0.22	0.31	0.94	20	99	0.16	0.04
131111	0439	5.1	37.2066	16.1007	41.1	3.0	1.79	2.19	3.20	17	239	0.41	0.30
131111	1138	41.2	39.0571	14.9303	267.5	3.2	2.30	2.05	2.60	28	191	0.30	0.14
131111	1220	11.7	38.6576	16.3481	16.7	1.7	0.76	0.85	1.98	12	126	0.34	0.11
131112	0623	58.6	39.8880	16.0907	5.7	2.0	0.64	0.51	1.41	14	95	0.31	0.09
131112	1903	15.2	40.7309	15.7303	16.5	2.3	0.86	0.79	3.78	38	43	0.65	0.11
131113	1635	0.4	38.9684	16.0454	50.7	1.9	1.12	2.59	2.30	12	130	0.30	0.10
131114	0053	8.2	39.1677	16.7481	16.3	1.5	0.86	0.90	2.18	14	142	0.38	0.12
131114	1132	28.6	39.8550	16.0919	5.6	1.5	0.89	1.15	1.90	8	111	0.42	0.17
131114	2011	25.8	38.3337	15.5158	113.4	2.0	3.33	5.35	4.24	11	99	0.53	0.18
131114	2248	38.2	40.0605	16.0306	5.8	1.1	2.10	2.43	3.74	7	169	0.64	0.32

Epicentri localizzati nel periodo di riferimento



BOLLETTINO

1 131101 0008 40.8 - Sicilia Oc.
 Lat: 37.68 Lon: 13.86 Prof: 15.5 Km
 ± 1.38 km ± 1.01 km ± 3.3 km
 RMS: 0.57s GAP: 66.3° NR: 42

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	09	10.38	179.29	79.4	0.650
VBL2	P	09	15.36	225.55	61.6	-0.859
VBL2	S	09	41.41	225.55	61.6	-0.737
SMIN	P	09	18.02	251.73	56.1	0.000
SMIN	S	09	46.70	251.73	56.1	0.000
ROI	P	09	26.50	315.60	49.0	0.000

2 131101 0213 11.8 - Valle del Crati
 Lat: 39.40 Lon: 16.26 Prof: 8.5 Km
 ± 0.26 km ± 0.28 km ± 0.8 km
 RMS: 0.14s GAP: 102.8° NR: 14

STN	PHASE	MN	SEC	DIST	AZM	RES
SCOI	P	13	14.88	13.36	183.9	0.036
SCOI	S	13	16.96	13.36	183.9	-0.092
CSC2	P	13	14.91	13.68	183.3	0.012
CSC2	S	13	17.09	13.68	183.3	-0.057
CET2	P	13	17.79	29.98	296.3	0.003
CET2	S	13	21.84	29.98	296.3	-0.310
ROI	P	13	18.00	31.63	55.1	-0.139
ROI	S	13	22.82	31.63	55.1	0.059

3 131101 0440 18.0 - Canyon di Stromboli
 Lat: 38.73 Lon: 15.59 Prof: 207.4 Km
 ± 1.74 km ± 3.14 km ± 5.3 km
 RMS: 0.63s GAP: 75.0° NR: 72

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	40	46.03	45.15	98.2	-0.098
VBL2	S	41	6.12	45.15	98.2	-0.534
SMIN	P	40	46.36	61.29	64.1	-0.283
SMIN	S	41	6.61	61.29	64.1	-0.936
CSC2	P	40	47.42	84.35	43.2	-0.166
CSC2	S	41	8.93	84.35	43.2	-0.250
SCOI	P	40	47.46	84.51	43.0	-0.124
SCOI	S	41	8.73	84.51	43.0	-0.448
CNDF	P	40	47.60	83.92	164.4	0.101
CNDF	S	41	9.04	83.92	164.4	0.012
CET2	P	40	47.78	93.96	19.7	0.360
CET2	S	41	9.09	93.96	19.7	0.199
MMN	P	40	50.30	133.30	15.2	-0.402
MMN	S	41	13.89	133.30	15.2	-0.686
ROI	P	40	50.65	125.83	42.2	0.669
ROI	S	41	14.23	125.83	42.2	0.902
LADO	P	40	50.88	134.82	62.9	0.501
LADO	S	41	13.40	134.82	62.9	-0.618

4 131101 0733 03.2 - Sila Grande
 Lat: 39.32 Lon: 16.64 Prof: 15.4 Km
 ± 0.90 km ± 1.04 km ± 2.4 km
 RMS: 0.41s GAP: 84.1° NR: 15

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	33	9.09	29.19	99.3	-0.213
ROI	P	33	9.17	27.85	346.1	-0.140
ROI	S	33	13.93	27.85	346.1	0.210
CET2	P	33	15.32	63.54	290.5	0.143
CET2	S	33	23.13	63.54	290.5	-0.751

5 131101 1218 44.2 - Catena Costiera
 Lat: 39.53 Lon: 16.01 Prof: 46.7 Km
 ± 2.23 km ± 3.38 km ± 4.4 km
 RMS: 0.54s GAP: 97.5° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	18	51.96	5.32	259.5	0.647
CET2	S	18	56.62	5.32	259.5	0.105
MMN	P	18	53.73	39.27	357.0	-0.078
MMN	S	19	-.01	39.27	357.0	-0.858
ROI	P	18	54.73	47.75	85.4	0.063
ROI	S	19	2.58	47.75	85.4	0.257
SMIN	P	18	56.61	65.32	163.7	-0.012
SMIN	S	19	4.97	65.32	163.7	-0.740

6 131101 2341 05.0 - Cilento
 Lat: 40.59 Lon: 15.14 Prof: 0.0 Km
 ± 0.92 km ± 1.78 km ± 2.4 km
 RMS: 0.53s GAP: 189.4° NR: 24

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	41	29.47	136.57	150.1	0.222
CET2	S	41	47.12	136.57	150.1	0.138

7 131102 0435 58.1 - Maratea - Rotonda
 Lat: 39.97 Lon: 16.01 Prof: 8.7 Km
 ± 0.55 km ± 1.60 km ± 1.7 km
 RMS: 0.28s GAP: 157.3° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	36	.75	9.30	194.4	0.100
MMN	S	36	2.25	9.30	194.4	-0.270

8 131102 0910 53.7 - Bacino di Gioia
 Lat: 38.37 Lon: 15.34 Prof: 133.3 Km
 ± 2.23 km ± 2.67 km ± 4.7 km
 RMS: 0.57s GAP: 112.6° NR: 35

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	11	14.24	61.49	132.9	0.249
CNDF	S	11	29.35	61.49	132.9	0.546
CET2	P	11	19.93	138.43	23.0	0.564
CET2	S	11	38.70	138.43	23.0	0.586

9 131102 1914 35.1 - Serre centro-sett.
 Lat: 38.35 Lon: 16.32 Prof: 45.3 Km
 ± 1.08 km ± 1.42 km ± 3.0 km
 RMS: 0.37s GAP: 172.8° NR: 24

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	14	44.90	39.87	331.7	-0.147
VBL2	S	14	52.20	39.87	331.7	-0.091
CNDF	P	14	47.18	56.80	226.3	0.418
CNDF	S	14	55.85	56.80	226.3	0.593
SMIN	P	14	49.07	68.82	353.0	0.634
SMIN	S	14	58.60	68.82	353.0	0.443

10 131102 2030 21.6 - Amantea - M.Reventino
 Lat: 39.04 Lon: 16.25 Prof: 8.1 Km
 ± 0.34 km ± 0.56 km ± 1.9 km
 RMS: 0.32s GAP: 120.0° NR: 30

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	30	23.90	8.39	195.3	-0.058
SMIN	S	30	25.50	8.39	195.3	-0.153
CSC2	P	30	26.92	26.69	.7	0.110
CSC2	S	30	30.95	26.69	.7	0.348
SCOI	P	30	26.99	27.02	.5	0.131
SCOI	S	30	31.13	27.02	.5	0.442
VBL2	P	30	29.92	43.19	197.1	0.280
VBL2	S	30	35.77	43.19	197.1	0.275
CET2	P	30	32.42	59.50	334.4	-0.259
CET2	S	30	40.89	59.50	334.4	0.127
ROI	P	30	33.37	64.42	24.9	-0.263
ROI	S	30	43.09	64.42	24.9	0.687
LADO	P	30	33.77	68.04	66.9	-0.124
LADO	S	30	43.30	68.04	66.9	0.427
CNDF	P	30	43.24	120.79	196.8	0.284
CNDF	S	30	58.98	120.79	196.8	0.422

11 131103 0844 18.1 - Catena del Pollino
 Lat: 40.03 Lon: 16.02 Prof: 13.0 Km
 ± 1.03 km ± 1.11 km ± 2.8 km
 RMS: 0.48s GAP: 108.3° NR: 15

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	44	22.05	16.39	189.7	-0.110
MMN	S	44	26.01	16.39	189.7	0.942

12 131103 1433 40.7 - Cilento
 Lat: 40.58 Lon: 15.13 Prof: 13.5 Km
 ± 0.71 km ± 1.57 km ± 2.5 km
 RMS: 0.44s GAP: 212.9° NR: 24

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	34	.17	106.38	137.2	0.464
MMN	S	34	13.95	106.38	137.2	0.353
SMIN	P	34	13.57	202.43	152.8	-0.479
SMIN	S	34	38.76	202.43	152.8	0.320

13 131103 1644 25.1 - Sila Piccola
Lat: 39.18 Lon: 16.46 Prof: 3.4 Km
± 0.56 km ± 0.46 km ± 1.6 km
RMS: 0.27s GAP: 91.8° NR: 13

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	44	31.13	31.18	222.0	0.113
SMIN	S	44	35.35	31.18	222.0	0.027
ROI	P	44	33.57	44.18	11.0	-0.041
ROI	S	44	39.68	44.18	11.0	-0.137
LADO	P	44	33.66	45.44	75.2	0.199
LADO	S	44	40.08	45.44	75.2	0.527

14 131103 2240 40.7 - Offshore Locride
Lat: 38.00 Lon: 16.17 Prof: 36.9 Km
± 1.39 km ± 1.02 km ± 2.2 km
RMS: 0.28s GAP: 243.1° NR: 27

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	40	48.60	27.71	270.7	0.027
CNDF	S	40	54.52	27.71	270.7	0.190
VBL2	P	40	54.93	74.91	355.7	0.329

15 131104 1513 50.9 - Maratea - Rotonda
Lat: 39.95 Lon: 15.94 Prof: 5.2 Km
± 0.67 km ± 0.85 km ± 1.5 km
RMS: 0.26s GAP: 137.8° NR: 13

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	13	53.00	8.00	149.5	0.019
MMN	S	13	54.48	8.00	149.5	0.017

16 131104 1531 30.0 - Maratea - Rotonda
Lat: 39.94 Lon: 15.93 Prof: 4.9 Km
± 0.43 km ± 0.41 km ± 0.9 km
RMS: 0.15s GAP: 136.0° NR: 13

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	31	32.05	7.48	140.5	0.042
MMN	S	31	33.62	7.48	140.5	0.205

17 131104 2029 03.8 - Alto Tirreno Cosentino
Lat: 39.89 Lon: 15.94 Prof: 53.1 Km
± 1.98 km ± 2.82 km ± 3.2 km
RMS: 0.41s GAP: 129.0° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	29	12.63	4.37	101.9	0.072
CET2	P	29	14.55	41.10	178.5	0.599
CET2	S	29	21.84	41.10	178.5	0.466

18 131105 0506 38.7 - Etna
Lat: 37.67 Lon: 14.92 Prof: 23.4 Km
± 0.54 km ± 0.75 km ± 3.0 km
RMS: 0.51s GAP: 59.0° NR: 63

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	06	55.00	90.01	66.8	-0.013
CNDF	S	07	7.84	90.01	66.8	0.945
VBL2	P	07	3.09	151.83	43.7	-0.693
SMIN	P	07	7.18	183.72	38.9	-0.720
CSC2	P	07	11.19	213.33	33.6	-0.476
CET2	P	07	12.11	224.39	24.2	0.947
CET2	S	07	35.82	224.39	24.2	0.956
ROI	P	07	16.81	254.62	34.6	0.000

19 131105 0507 49.9 - Etna
Lat: 37.68 Lon: 14.91 Prof: 25.5 Km
± 0.50 km ± 0.72 km ± 2.6 km
RMS: 0.41s GAP: 57.3° NR: 42

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	08	6.68	89.99	67.4	0.654
CNDF	S	08	18.47	89.99	67.4	0.655

20 131105 0510 15.7 - Etna
Lat: 37.67 Lon: 14.93 Prof: 23.2 Km
± 0.54 km ± 0.73 km ± 3.1 km
RMS: 0.53s GAP: 86.1° NR: 71

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	10	32.06	88.86	66.3	0.243
VBL2	P	10	40.11	151.10	43.2	-0.569
VBL2	S	10	58.19	151.10	43.2	-0.738
SMIN	P	10	44.07	183.09	38.5	-0.739
SMIN	S	11	6.01	183.09	38.5	-0.071
SCOI	P	10	47.63	213.03	33.1	-0.979
SCOI	S	11	11.97	213.03	33.1	-0.693
CSC2	P	10	48.87	212.82	33.2	0.279
CSC2	S	11	12.50	212.82	33.2	-0.130
ROI	P	10	53.71	254.08	34.3	0.000
ROI	S	11	22.92	254.08	34.3	0.000
LADO	P	10	55.01	252.34	45.1	0.000

21 131105 0516 10.0 - Etna
Lat: 37.67 Lon: 14.96 Prof: 22.6 Km
± 0.59 km ± 0.87 km ± 2.7 km
RMS: 0.47s GAP: 89.2° NR: 36

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	16	26.40	86.65	65.5	0.549
CNDF	S	16	37.70	86.65	65.5	0.302
VBL2	P	16	34.54	149.52	42.5	-0.334
VBL2	S	16	52.77	149.52	42.5	-0.255
SMIN	P	16	39.30	181.67	37.9	0.276
SMIN	S	17	.80	181.67	37.9	0.585
CET2	P	16	42.59	223.25	23.2	0.195
CET2	S	17	5.50	223.25	23.2	-0.552

22 131105 0529 57.5 - Etna
Lat: 37.68 Lon: 14.92 Prof: 24.7 Km
± 0.42 km ± 0.64 km ± 2.2 km
RMS: 0.37s GAP: 78.2° NR: 43

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	30	14.09	89.41	67.0	0.474
CNDF	S	30	26.28	89.41	67.0	0.925
VBL2	P	30	22.05	151.18	43.7	-0.289
VBL2	S	30	40.26	151.18	43.7	-0.202
SMIN	P	30	26.19	183.06	38.9	-0.268
SMIN	S	30	47.56	183.06	38.9	-0.039

23 131105 0533 03.8 - Etna
Lat: 37.68 Lon: 14.92 Prof: 21.5 Km
± 0.59 km ± 0.83 km ± 2.6 km
RMS: 0.45s GAP: 58.2° NR: 34

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	33	20.10	89.08	67.1	0.066
CNDF	S	33	32.32	89.08	67.1	0.440

24 131105 1725 23.4 - Alto Tirreno Cosentino
Lat: 39.88 Lon: 16.00 Prof: 8.0 Km
± 0.46 km ± 0.71 km ± 2.8 km
RMS: 0.49s GAP: 117.0° NR: 50

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	25	25.43	1.71	303.8	0.237
MMN	S	25	26.45	1.71	303.8	-0.028
CET2	P	25	30.98	39.51	186.7	-0.045
CET2	S	25	36.07	39.51	186.7	-0.511
ROI	P	25	34.74	59.24	125.6	0.209
ROI	S	25	42.90	59.24	125.6	0.250
CSC2	P	25	36.41	69.58	162.1	0.472
CSC2	S	25	45.14	69.58	162.1	0.052
SMIN	P	25	41.36	102.73	169.4	-0.317
SMIN	S	25	54.78	102.73	169.4	-0.246

25 131105 1726 44.8 - Alto Tirreno Cosentino
Lat: 39.88 Lon: 16.00 Prof: 12.2 Km
± 0.49 km ± 0.81 km ± 2.6 km
RMS: 0.45s GAP: 114.6° NR: 49

STN	PHASE	MN	SEC	DIST	AZM	RES	STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	26	47.10	1.59	301.2	-0.240	MMN	P	41	41.71	5.41	304.6	0.101
MMN	S	26	48.21	1.59	301.2	-0.936	MMN	S	41	42.82	5.41	304.6	-0.232
CET2	P	26	52.63	39.63	186.6	0.025	CET2	P	41	46.94	37.89	191.7	-0.006
CET2	S	26	57.76	39.63	186.6	-0.503	CET2	S	41	51.82	37.89	191.7	-0.471
ROI	P	26	55.98	59.36	125.6	-0.073							
ROI	S	27	4.56	59.36	125.6	0.322							
CSC2	P	26	58.14	69.72	162.0	0.661							
CSC2	S	27	6.66	69.72	162.0	-0.045							
SCOI	P	26	58.23	69.37	162.0	0.817							
SCOI	S	27	6.74	69.37	162.0	0.151							
SMIN	P	27	3.27	102.87	169.4	0.078							
SMIN	S	27	16.02	102.87	169.4	-0.578							
VBL2	P	27	7.83	134.58	176.4	-0.803							
VBL2	S	27	25.88	134.58	176.4	-0.141							
26 131105 1738 34.4 - M. Peloritani													
Lat: 38.00 Lon: 14.79 Prof: 7.1 Km													
± 0.60 km ± 0.52 km ± 2.4 km													
RMS: 0.41s GAP: 59.3° NR: 28													
STN	PHASE	MN	SEC	DIST	AZM	RES							
CNDF	P	38	50.22	93.50	91.0	-0.868							
CNDF	S	39	2.98	93.50	91.0	-0.264							
27 131105 2129 09.2 - Alto Tirreno Cosentino													
Lat: 39.86 Lon: 16.08 Prof: 5.5 Km													
± 0.57 km ± 0.64 km ± 1.1 km													
RMS: 0.25s GAP: 101.1° NR: 12													
STN	PHASE	MN	SEC	DIST	AZM	RES							
MMN	P	29	11.68	8.36	291.2	0.107							
MMN	S	29	13.00	8.36	291.2	-0.284							
CET2	P	29	16.87	38.75	196.5	-0.256							
28 131106 0304 51.1 - Alto Tirreno Cosentino													
Lat: 39.89 Lon: 16.05 Prof: 6.0 Km													
± 0.52 km ± 0.54 km ± 1.0 km													
RMS: 0.16s GAP: 124.7° NR: 9													
STN	PHASE	MN	SEC	DIST	AZM	RES							
MMN	P	04	52.94	5.19	270.5	0.088							
MMN	S	04	53.94	5.19	270.5	-0.171							
29 131107 0055 48.4 - Canyon di Stromboli													
Lat: 38.74 Lon: 15.61 Prof: 153.6 Km													
± 1.21 km ± 2.53 km ± 3.4 km													
RMS: 0.41s GAP: 162.3° NR: 38													
STN	PHASE	MN	SEC	DIST	AZM	RES							
VBL2	P	56	9.91	43.81	101.1	-0.154							
VBL2	S	56	26.03	43.81	101.1	0.106							
SMIN	P	56	10.30	58.90	65.2	-0.407							
SMIN	S	56	26.22	58.90	65.2	-0.818							
SCOI	P	56	11.65	81.89	43.0	-0.269							
SCOI	S	56	29.08	81.89	43.0	-0.057							
CSC2	P	56	11.77	81.74	43.3	-0.148							
CSC2	S	56	29.01	81.74	43.3	-0.125							
CNDF	P	56	12.17	85.42	165.9	0.144							
CNDF	S	56	29.05	85.42	165.9	-0.272							
CET2	P	56	12.41	91.52	19.1	0.522							
CET2	S	56	29.68	91.52	19.1	0.598							
ROI	P	56	15.40	123.21	42.2	0.476							
ROI	S	56	34.40	123.21	42.2	0.059							
30 131107 0721 00.0 - Stretto di Messina													
Lat: 38.13 Lon: 15.59 Prof: 10.0 Km													
± 0.47 km ± 0.25 km ± 1.1 km													
RMS: 0.19s GAP: 116.8° NR: 19													
STN	PHASE	MN	SEC	DIST	AZM	RES							
CNDF	P	21	5.65	27.53	123.4	0.182							
CNDF	S	21	9.05	27.53	123.4	-0.385							
31 131107 2241 39.6 - Alto Tirreno Cosentino													
Lat: 39.86 Lon: 16.04 Prof: 7.7 Km													
± 0.60 km ± 0.94 km ± 1.7 km													
RMS: 0.29s GAP: 112.0° NR: 16													
STN	PHASE	MN	SEC	DIST	AZM	RES							
CNDF	P	20	4.35	35.55	247.1	0.043							
CNDF	S	20	9.42	35.55	247.1	-0.094							
32 131108 0640 07.4 - Catena del Pollino													
Lat: 39.85 Lon: 16.22 Prof: 4.4 Km													
± 0.86 km ± 0.70 km ± 2.1 km													
RMS: 0.47s GAP: 76.5° NR: 16													
STN	PHASE	MN	SEC	DIST	AZM	RES							
MMN	P	40	12.44	20.78	281.8	0.236							
MMN	S	40	15.91	20.78	281.8	0.254							
CET2	P	40	15.62	42.97	213.2	-0.618							
CET2	S	40	21.72	42.97	213.2	-0.924							
ROI	P	40	16.64	42.75	136.8	0.321							
ROI	S	40	23.66	42.75	136.8	0.876							
33 131108 1644 01.6 - Valle del Mesima													
Lat: 38.79 Lon: 16.33 Prof: 15.1 Km													
± 0.57 km ± 0.91 km ± 2.0 km													
RMS: 0.35s GAP: 98.3° NR: 15													
STN	PHASE	MN	SEC	DIST	AZM	RES							
SMIN	P	44	6.87	21.86	335.0	0.294							
SMIN	S	44	10.28	21.86	335.0	0.097							
VBL2	P	44	7.19	23.82	235.8	0.336							
VBL2	S	44	10.68	23.82	235.8	0.014							
CET2	P	44	17.45	87.90	338.1	0.077							
CET2	S	44	28.07	87.90	338.1	-0.810							
34 131108 1906 33.5 - Maratea - Rotonda													
Lat: 40.00 Lon: 15.79 Prof: 9.3 Km													
± 1.39 km ± 1.60 km ± 1.2 km													
RMS: 0.21s GAP: 322.2° NR: 6													
STN	PHASE	MN	SEC	DIST	AZM	RES							
MMN	P	06	37.95	21.21	128.0	-0.035							
MMN	S	06	41.21	21.21	128.0	0.004							
CET2	P	06	43.87	54.92	165.8	0.009							
CET2	S	06	51.05	54.92	165.8	-0.327							
SMIN	P	06	54.99	120.80	162.1	0.039							
SMIN	S	07	10.89	120.80	162.1	0.301							
35 131108 2235 38.9 - Stretto di Messina													
Lat: 38.12 Lon: 15.66 Prof: 10.4 Km													
± 0.70 km ± 0.35 km ± 1.2 km													
RMS: 0.20s GAP: 147.1° NR: 10													
STN	PHASE	MN	SEC	DIST	AZM	RES							
CNDF	P	35	43.74	21.95	128.4	0.186							
CNDF	S	35	46.78	21.95	128.4	-0.131							
36 131109 0413 29.5 - Amantea - M.Reventino													
Lat: 39.04 Lon: 16.28 Prof: 5.1 Km													
± 0.52 km ± 2.54 km ± 1.6 km													
RMS: 0.27s GAP: 204.0° NR: 8													
STN	PHASE	MN	SEC	DIST	AZM	RES							
SMIN	P	13	31.64	9.01	211.7	-0.057							
SMIN	S	13	33.24	9.01	211.7	-0.018							
CSC2	P	13	34.72	27.20	355.4	-0.024							
CSC2	S	13	38.80	27.20	355.4	0.265							
VBL2	P	13	37.75	43.60	200.4	0.160							
VBL2	S	13	43.46	43.60	200.4	-0.004							
CET2	P	13	40.45	61.01	332.4	-0.398							
CET2	S	13	49.44	61.01	332.4	0.332							
37 131109 1119 57.2 - Offshore Locride													
Lat: 38.12 Lon: 16.23 Prof: 16.4 Km													
± 0.73 km ± 0.77 km ± 1.5 km													
RMS: 0.26s GAP: 198.3° NR: 15													
STN	PHASE	MN	SEC	DIST	AZM	RES							
CNDF	P	20	4.35	35.55	247.1	0.043							
CNDF	S	20	9.42	35.55	247.1	-0.094							

38 131109 1820 27.4 - Scarpata di Paola
 Lat: 39.11 Lon: 15.43 Prof: 95.4 Km
 ± 2.34 km ± 2.45 km ± 5.5 km
 RMS: 0.69s GAP: 117.0° NR: 20

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	20	43.85	70.96	103.5	-0.511
CET2	P	20	44.14	64.09	45.2	0.973
CET2	S	20	54.83	64.09	45.2	0.160

39 131110 1627 26.8 - Canyon di Stromboli
 Lat: 38.70 Lon: 15.39 Prof: 108.6 Km
 ± 3.49 km ± 10.86 km ± 5.4 km
 RMS: 0.65s GAP: 235.1° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	27	45.07	78.07	67.9	-0.583
SMIN	S	28	.08	78.07	67.9	0.669
CNDF	P	27	46.68	87.77	153.1	0.473
CNDF	S	28	-.17	87.77	153.1	-0.543
CET2	P	27	47.17	103.33	28.2	0.106
CET2	S	28	1.74	103.33	28.2	-0.117

40 131110 2003 38.0 - Serre centro-sett.
 Lat: 38.46 Lon: 16.16 Prof: 4.5 Km
 ± 0.22 km ± 0.31 km ± 0.9 km
 RMS: 0.16s GAP: 99.6° NR: 20

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	03	42.82	24.12	348.6	0.141
VBL2	S	03	45.90	24.12	348.6	-0.195
CNDF	P	03	48.27	57.41	207.9	-0.113
CNDF	S	03	56.12	57.41	207.9	0.137
SMIN	P	03	48.46	57.13	5.7	0.087
SMIN	S	03	56.23	57.13	5.7	0.277

41 131111 0439 05.1 - Piana bat. ionica
 Lat: 37.20 Lon: 16.10 Prof: 41.1 Km
 ± 1.79 km ± 2.19 km ± 3.2 km
 RMS: 0.41s GAP: 239.8° NR: 17

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	39	20.99	91.00	346.5	0.193
CNDF	S	39	32.38	91.00	346.5	0.127
VBL2	P	39	30.25	162.85	.3	-0.118
VBL2	S	39	48.72	162.85	.3	-0.109

42 131111 1138 41.1 - Piana batiale del Tirreno
 Lat: 39.05 Lon: 14.93 Prof: 267.5 Km
 ± 2.30 km ± 2.05 km ± 2.6 km
 RMS: 0.30s GAP: 191.1° NR: 28

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	39	18.44	110.72	113.1	-0.205
VBL2	S	39	46.32	110.72	113.1	0.263
CNDF	P	39	20.34	142.20	145.9	0.062
CNDF	S	39	49.56	142.20	145.9	0.678
ROI	P	39	21.49	152.45	68.3	0.638
ROI	S	39	49.53	152.45	68.3	-0.345
LADO	P	39	22.11	178.85	82.1	-0.300

43 131111 1220 11.7 - Serre centro-sett.
 Lat: 38.65 Lon: 16.34 Prof: 16.7 Km
 ± 0.76 km ± 0.85 km ± 2.0 km
 RMS: 0.34s GAP: 126.2° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	20	16.84	20.97	274.9	0.159
VBL2	S	20	20.19	20.97	274.9	-0.095

44 131112 0623 58.5 - Alto Tirreno Cosentino
 Lat: 39.88 Lon: 16.09 Prof: 5.7 Km
 ± 0.64 km ± 0.51 km ± 1.4 km
 RMS: 0.31s GAP: 95.2° NR: 14

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	24	1.13	8.57	272.2	0.159
MMN	S	24	2.46	8.57	272.2	-0.268
CET2	P	24	6.99	41.55	196.5	0.078

CET2 S 24 12.67 41.55 196.5 -0.348
 ROI P 24 9.72 53.99 130.5 0.560
 ROI S 24 16.46 53.99 130.5 -0.451

45 131112 1903 15.1 - Appennino Lucano
 Lat: 40.73 Lon: 15.73 Prof: 16.5 Km
 ± 0.86 km ± 0.79 km ± 3.8 km
 RMS: 0.65s GAP: 43.6° NR: 38

STN	PHASE	MN	SEC	DIST	AZM	RES
ROI	P	03	40.56	147.21	151.0	0.451

46 131113 1635 00.4 - G. di S. Eufemia
 Lat: 38.96 Lon: 16.04 Prof: 50.7 Km
 ± 1.12 km ± 2.59 km ± 2.3 km
 RMS: 0.30s GAP: 130.2° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	35	8.75	15.85	88.3	0.096
SMIN	S	35	15.23	15.85	88.3	0.531
CET2	P	35	12.31	62.70	353.0	0.148
CET2	S	35	20.93	62.70	353.0	0.157

47 131114 0053 08.1 - Sila Piccola
 Lat: 39.16 Lon: 16.74 Prof: 16.3 Km
 ± 0.86 km ± 0.90 km ± 2.2 km
 RMS: 0.38s GAP: 142.4° NR: 14

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	53	13.40	23.77	56.7	-0.049
LADO	S	53	17.59	23.77	56.7	0.278
ROI	P	53	16.78	47.43	340.8	-0.677
ROI	S	53	23.68	47.43	340.8	-0.572
SMIN	P	53	17.74	49.91	244.2	0.127
SMIN	S	53	24.70	49.91	244.2	0.178

48 131114 1132 28.6 - Alto Tirreno Cosentino
 Lat: 39.85 Lon: 16.09 Prof: 5.6 Km
 ± 0.89 km ± 1.15 km ± 1.9 km
 RMS: 0.42s GAP: 111.2° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	32	31.11	9.53	294.8	-0.067
MMN	S	32	32.63	9.53	294.8	-0.423
CET2	P	32	36.30	38.08	198.2	-0.074
CET2	S	32	41.46	38.08	198.2	-0.595

49 131114 2011 25.8 - Bacino di Gioia
 Lat: 38.33 Lon: 15.51 Prof: 113.4 Km
 ± 3.33 km ± 5.35 km ± 4.2 km
 RMS: 0.53s GAP: 99.9° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	11	43.57	47.33	141.1	0.524
CET2	P	11	50.36	138.02	16.3	0.512
CET2	S	12	8.40	138.02	16.3	0.979

50 131114 2248 38.2 - Vallo di Diano
 Lat: 40.06 Lon: 16.03 Prof: 5.8 Km
 ± 2.10 km ± 2.43 km ± 3.7 km
 RMS: 0.64s GAP: 169.1° NR: 7

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	48	42.64	19.14	190.4	0.554
MMN	S	48	44.35	19.14	190.4	-0.583