



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

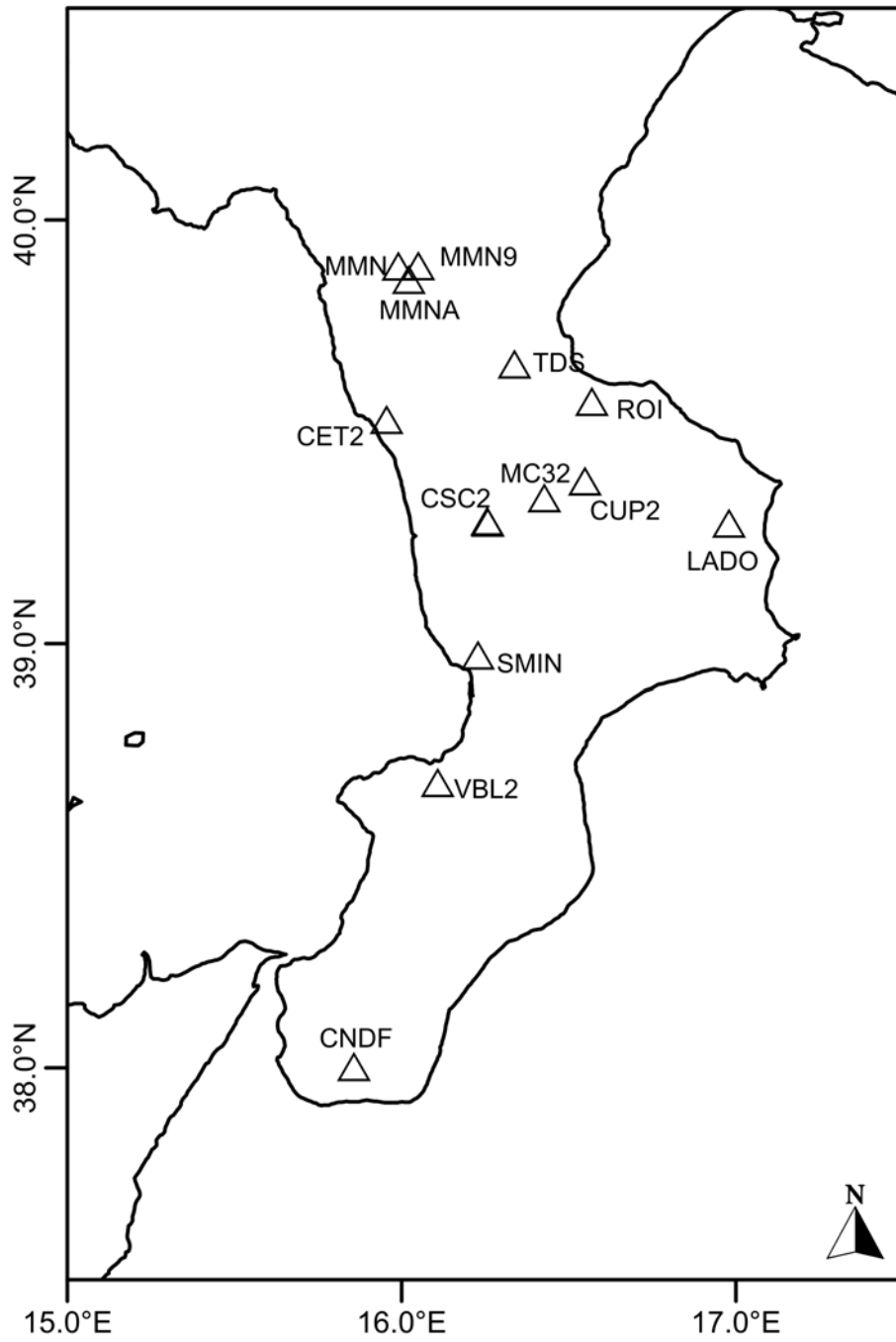
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DELLE AREE CIRCOSTANTI

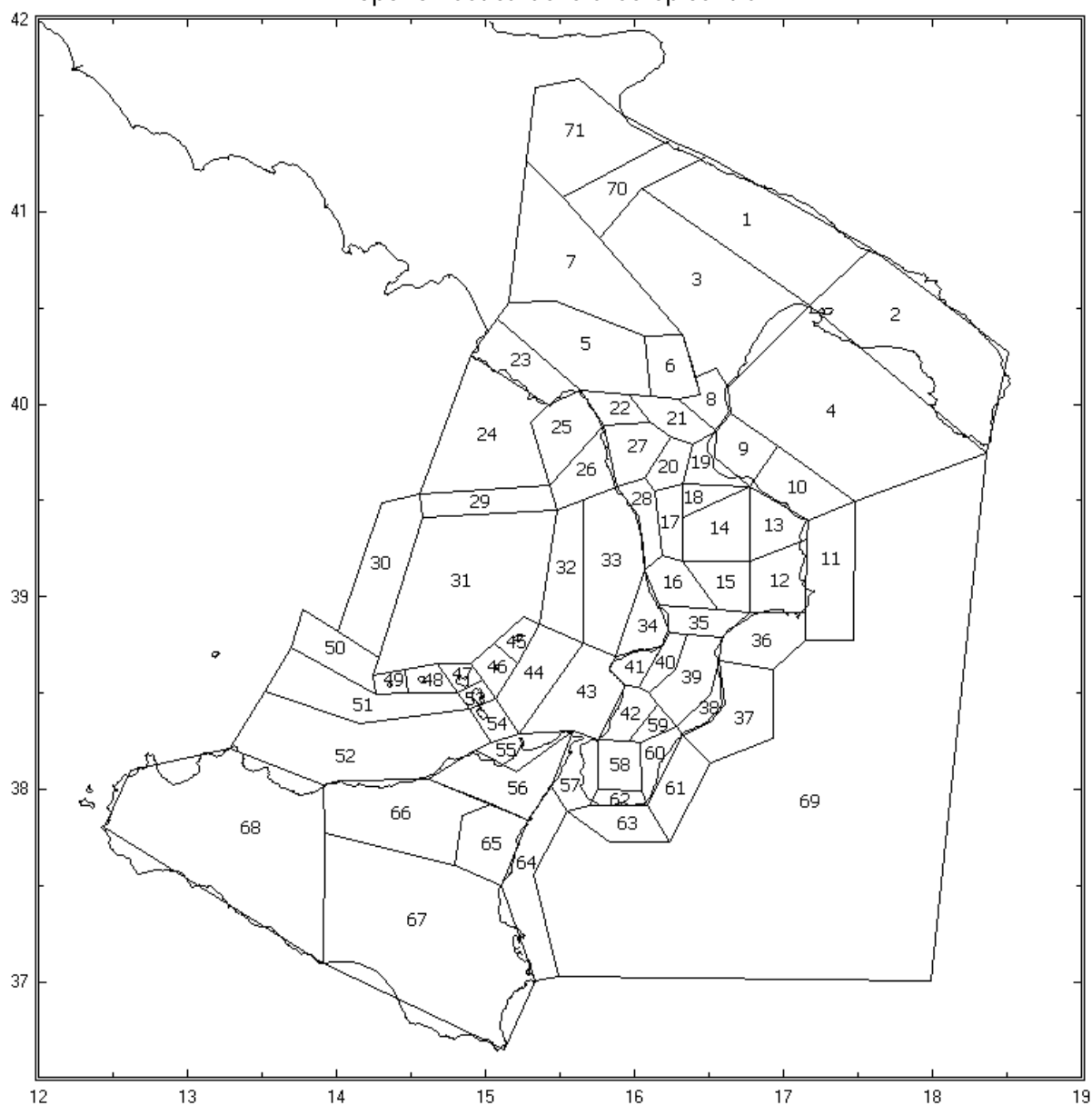
prodotto nell'ambito delle attività dell'O.R. 2.1

Periodo 16-30 Novembre 2014

Distribuzione delle stazioni della Rete Sismica UniCal – Pon MASSIMO



Toponomastica delle aree epicentrali

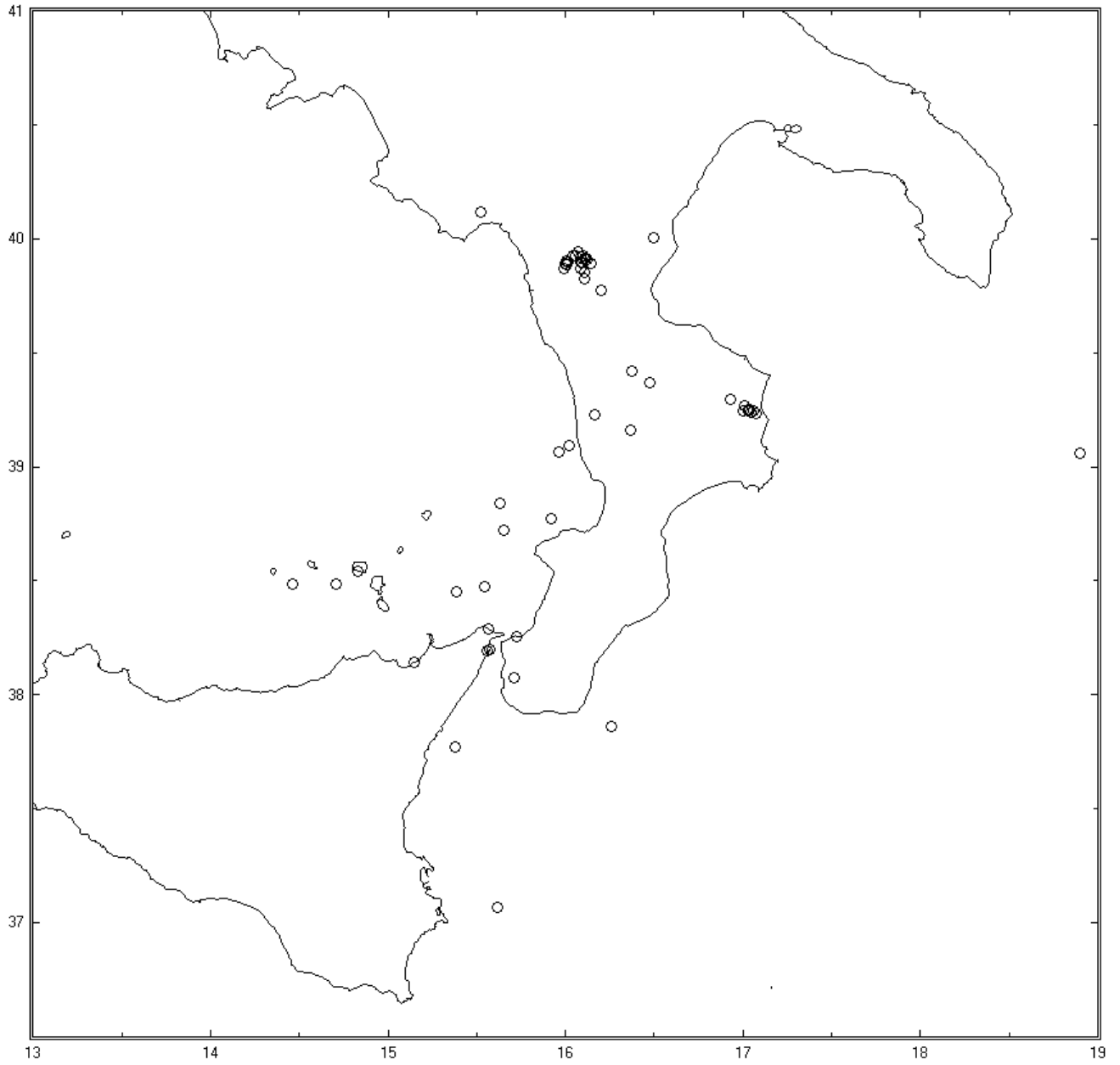


1 Murge	19 Piana di Sibari	37 Offshore Punta Stilo	55 Milazzo
2 Penisola Salentina	20 Valle dell'Esaro	38 Punta Stilo	56 Monti Peloritani
3 Piana del Bradano e del Basento	21 Catena del Pollino	39 Serre centro-settentrionali	57 Stretto di Messina
4 Golfo di Taranto	22 Marate - Rotonda	40 Valle del Mesima	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
141101	0118	54.7	38.5410	14.8284	4.2	2.3	1.70	0.95	2.27	18	199	0.50	0.21
141101	0312	25.4	39.4180	16.3706	10.0	1.7	0.54	0.54	2.16	25	73	0.37	0.08
141102	0558	4.1	39.8995	16.0920	5.7	1.0	1.05	0.69	1.83	13	163	0.41	0.15
141102	0901	7.1	37.7723	15.3769	312.7	2.8	7.08	7.46	5.35	18	203	0.65	0.23
141103	1446	6.0	38.7247	15.6501	142.9	1.8	1.75	3.76	4.27	22	76	0.51	0.14
141103	1455	12.9	39.8231	16.1073	11.0	0.9	0.67	0.70	1.67	10	116	0.29	0.09
141103	1943	40.6	38.1430	15.1484	14.0	1.8	0.74	0.62	2.25	20	97	0.39	0.10
141104	0303	29.5	38.2904	15.5653	135.5	2.2	1.95	3.17	4.76	33	53	0.57	0.14
141105	1605	48.1	38.2575	15.7217	46.3	3.1	0.66	0.87	3.69	69	36	0.47	0.07
141105	2022	51.2	39.9266	16.0437	2.7	0.1	1.23	0.38	0.69	6	257	0.15	0.22
141105	2232	35.9	39.8914	16.1422	8.1	1.4	0.48	0.49	1.46	15	104	0.25	0.07
141106	1519	26.6	39.9195	16.0822	0.0		0.68	0.22	0.46	6	246	0.10	0.13
141107	0854	36.8	38.4871	14.4612	231.9	3.0	4.25	2.69	3.63	18	180	0.42	0.20
141107	1542	27.6	39.9429	16.0694	0.0		0.35	0.21	0.36	6	234	0.08	0.07
141107	1707	42.2	39.8867	16.0058	5.6		2.35	0.66	0.72	6	186	0.12	0.08
141107	2008	36.4	39.8719	15.9924	5.0		4.16	2.89	2.97	6	283	0.51	0.64
141108	0657	19.8	39.8932	15.9984	5.9		1.63	1.20	1.36	6	143	0.23	0.13
141108	1114	18.7	38.4881	14.7057	281.4	3.3	2.92	2.67	3.35	43	175	0.39	0.13
141108	1409	45.6	39.9270	16.0534	0.0		0.48	0.19	0.39	6	256	0.09	0.10
141108	2146	31.0	39.8972	16.0117	3.5		0.21	0.16	0.26	6	148	0.04	0.02
141108	2348	26.0	38.1964	15.5738	7.6	1.6	0.75	0.44	1.95	20	76	0.34	0.08
141109	0105	0.7	39.9145	16.1064	6.3	1.6	0.72	0.71	2.22	26	45	0.49	0.10
141109	0618	51.2	39.8971	16.0844	0.2		4.35	1.07	1.34	6	217	0.30	0.43
141109	1628	4.0	39.0667	15.9636	5.0	1.5	0.64	1.09	1.99	19	155	0.44	0.13
141109	1947	37.6	39.0962	16.0183	27.6	1.7	0.71	1.03	3.05	26	147	0.39	0.10
141109	2108	24.0	37.8599	16.2590	37.2	2.1	1.35	1.75	3.36	25	212	0.43	0.23
141110	0127	11.9	37.0664	15.6194	22.8	2.5	1.01	0.79	1.93	23	207	0.30	0.15
141110	0743	51.1	39.9052	16.0071	2.8		0.71	0.59	0.88	8	148	0.20	0.07
141110	1026	0.8	38.0736	15.7100	4.8	1.1	0.80	0.58	1.19	9	147	0.26	0.12
141110	1607	50.6	38.7714	15.9201	8.7	1.6	0.54	1.14	1.93	16	172	0.33	0.14
141110	2024	49.3	40.0032	16.4943	73.7	1.4	1.80	2.70	5.34	31	137	0.67	0.16
141110	2245	27.6	38.4723	15.5444	129.7	2.6	1.00	1.68	4.21	69	96	0.51	0.08
141111	0107	10.3	39.3695	16.4777	14.3	1.4	0.75	0.84	2.10	12	94	0.36	0.10
141111	0258	36.7	39.7749	16.2031	11.8	1.2	0.80	0.91	2.65	16	80	0.46	0.12
141111	0458	14.6	38.4506	15.3843	159.6	2.5	2.28	5.99	4.19	21	214	0.50	0.31
141111	0556	39.9	39.2981	16.9327	14.8		1.64	2.23	2.99	6	157	0.52	0.27
141111	0603	41.9	39.2485	17.0377	18.5	0.9	0.75	1.36	1.30	10	268	0.22	0.20
141111	0614	17.7	39.2514	17.0282	17.5	1.2	1.19	1.81	2.51	14	266	0.43	0.30
141111	0702	20.2	39.2413	17.0449	18.6	1.0	0.78	1.26	1.37	10	269	0.24	0.19
141111	0718	19.5	39.2350	17.0716	18.4	0.6	0.62	0.95	0.91	9	274	0.16	0.15
141111	0808	55.3	39.2462	17.0322	17.3	1.3	0.52	0.73	0.78	9	266	0.13	0.11
141111	0812	52.0	39.2471	17.0020	14.9	1.9	1.00	1.40	2.29	16	238	0.39	0.22
141111	0856	33.1	39.2654	17.0112	18.8	1.3	1.06	1.63	2.14	12	262	0.37	0.24
141111	0941	14.0	39.2459	17.0597	20.5	1.2	0.81	1.61	1.52	11	272	0.26	0.24
141111	1429	26.5	39.2354	17.0705	17.9	1.0	0.89	1.15	1.11	8	291	0.19	0.19
141111	1640	47.3	39.9277	16.1012	5.4	2.3	0.68	0.69	2.21	31	54	0.49	0.10
141111	1658	2.2	39.9173	16.1173	5.0	1.4	1.26	0.74	1.89	11	138	0.42	0.16
141111	2322	5.5	39.2302	16.1627	13.1	1.8	0.81	1.06	2.96	25	141	0.51	0.15
141112	1708	37.6	39.8725	16.0867	6.0		1.95	0.59	0.48	6	181	0.11	0.05
141112	1849	37.7	39.1638	16.3671	24.5	1.9	0.89	0.86	2.26	13	97	0.39	0.11
141113	0454	58.4	39.0570	18.8995	0.5		0.38	0.33	0.13	6	334	0.03	0.05
141113	0645	11.8	38.8393	15.6341	100.2	2.8	0.64	1.35	3.22	62	100	0.40	0.06
141113	1158	48.5	38.1906	15.5592	11.0	2.1	0.67	0.45	2.01	23	115	0.35	0.08
141113	1255	20.0	39.9123	16.1250	7.7	1.9	0.64	0.62	1.90	23	66	0.42	0.09
141113	2116	32.9	39.8546	16.1078	8.3	1.3	0.64	0.66	1.78	12	132	0.31	0.10
141113	2232	46.1	40.1189	15.5240	299.1	3.7	1.03	2.11	3.79	107	71	0.44	0.06

Epicentri localizzati nel periodo di riferimento



BOLLETTINO

1 141101 0118 54.6 - Salina
 Lat: 38.54 Lon: 14.82 Prof: 4.2 Km
 ± 1.70 km ± 0.95 km ± 2.3 km
 RMS: 0.50s GAP: 199.3° NR: 18

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	19	13.54	108.02	124.1	-0.301
CNDF	S	19	27.48	108.02	124.1	-0.379

2 141101 0312 25.4 - Sila Grande
 Lat: 39.41 Lon: 16.37 Prof: 10.0 Km
 ± 0.54 km ± 0.54 km ± 2.2 km
 RMS: 0.37s GAP: 73.4° NR: 25

STN	PHASE	MN	SEC	DIST	AZM	RES
MC32	P	12	28.27	9.54	149.3	-0.010
MC32	S	12	29.85	9.54	149.3	-0.502
CUP2	P	12	29.19	15.77	103.9	0.086
CUP2	S	12	32.07	15.77	103.9	0.290
SCOI	P	12	30.08	17.35	214.5	0.885
SCOI	S	12	32.04	17.35	214.5	0.102
ROI	P	12	30.47	24.15	44.9	-0.064
ROI	S	12	34.21	24.15	44.9	-0.045
TDS	P	12	30.67	26.95	353.8	-0.062
TDS	S	12	34.60	26.95	353.8	0.000
CET2	P	12	32.51	37.84	289.0	-0.289
CET2	S	12	37.50	37.84	289.0	-0.679

3 141102 0558 04.1 - Alto Tirreno Cosentino
 Lat: 39.89 Lon: 16.09 Prof: 5.7 Km
 ± 1.05 km ± 0.69 km ± 1.8 km
 RMS: 0.41s GAP: 163.5° NR: 13

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	58	5.52	3.65	256.7	-0.326
MMN9	S	58	6.87	3.65	256.7	-0.224
MMN	P	58	6.59	8.72	263.8	0.020
MMN	S	58	8.44	8.72	263.8	0.093
TDS	P	58	10.18	33.94	141.8	-0.674
CET2	P	58	12.73	42.81	196.1	0.033
CET2	S	58	18.50	42.81	196.1	-0.460

4 141102 0901 07.1 - Coste Sicilia Or.
 Lat: 37.77 Lon: 15.37 Prof: 312.7 Km
 ± 7.08 km ± 7.46 km ± 5.4 km
 RMS: 0.65s GAP: 203.0° NR: 18

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	01	48.52	49.41	59.1	0.366
CNDF	S	02	18.84	49.41	59.1	0.664

5 141103 1446 05.9 - Bacino di Gioia
 Lat: 38.72 Lon: 15.65 Prof: 142.9 Km
 ± 1.75 km ± 3.76 km ± 4.3 km
 RMS: 0.51s GAP: 76.2° NR: 22

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	46	29.43	93.06	16.7	0.930
CET2	S	46	44.39	93.06	16.7	-0.594

6 141103 1455 12.9 - Alto Tirreno Cosentino
 Lat: 39.82 Lon: 16.10 Prof: 11.0 Km
 ± 0.67 km ± 0.70 km ± 1.7 km
 RMS: 0.29s GAP: 116.7° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
MMNA	P	55	15.76	6.07	48.2	0.109
MMNA	S	55	17.41	6.07	48.2	-0.250
CET2	P	55	20.05	35.20	202.0	0.102
CET2	S	55	24.50	35.20	202.0	-0.601

7 141103 1943 40.6 - Milazzo
 Lat: 38.14 Lon: 15.14 Prof: 14.0 Km
 ± 0.74 km ± 0.62 km ± 2.2 km
 RMS: 0.39s GAP: 97.6° NR: 20

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	43	52.45	64.10	104.5	0.092
CNDF	S	44	1.91	64.10	104.5	0.973

8 141104 0303 29.5 - Stretto di Messina
 Lat: 38.29 Lon: 15.56 Prof: 135.5 Km
 ± 1.95 km ± 3.17 km ± 4.8 km
 RMS: 0.57s GAP: 53.8° NR: 33

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	03	49.65	40.87	141.6	0.587
CNDF	S	04	3.38	40.87	141.6	0.032
VBL2	P	03	50.23	63.65	48.3	-0.171
VBL2	S	04	4.89	63.65	48.3	-0.777
SMIN	P	03	52.37	95.24	37.5	-0.191
SMIN	S	04	8.70	95.24	37.5	-0.707
CET2	P	03	56.37	141.55	14.1	0.747
CET2	S	04	14.57	141.55	14.1	-0.139

9 141105 1605 48.1 - Stretto di Messina
 Lat: 38.25 Lon: 15.72 Prof: 46.3 Km
 ± 0.66 km ± 0.87 km ± 3.7 km
 RMS: 0.47s GAP: 36.2° NR: 69

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	05	56.92	30.62	157.5	-0.145
CNDF	S	06	4.18	30.62	157.5	0.554
VBL2	P	06	-0.12	57.19	36.3	-0.131
VBL2	S	06	8.20	57.19	36.3	-0.514
SMIN	P	06	3.85	90.84	29.2	-0.360
SMIN	S	06	15.73	90.84	29.2	-0.274
SCOI	P	06	8.20	123.60	22.2	-0.173
SCOI	S	06	22.90	123.60	22.2	-0.312
CSC2	P	06	8.45	123.34	22.3	0.102
CSC2	S	06	23.15	123.34	22.3	-0.018
CET2	P	06	10.38	142.56	8.4	0.982
CET2	S	06	25.50	142.56	8.4	0.515
CUP2	P	06	11.70	144.12	29.9	0.880
CUP2	S	06	28.21	144.12	29.9	0.762
ROI	P	06	13.82	163.36	26.8	0.470
ROI	S	06	31.78	163.36	26.8	-0.050
MMNA	P	06	15.77	181.86	12.2	-0.490
MMNA	S	06	36.15	181.86	12.2	-0.722
MMN9	P	06	16.10	183.65	9.1	-0.134
MMN9	S	06	36.43	183.65	9.1	-0.399

10 141105 2022 51.2 - Maratea - Rotonda
 Lat: 39.92 Lon: 16.04 Prof: 2.7 Km
 ± 1.23 km ± 0.38 km ± 0.7 km
 RMS: 0.15s GAP: 257.8° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	22	52.53	3.89	171.7	0.107
MMN9	S	22	53.28	3.89	171.7	-0.022
MMN	P	22	52.85	6.02	229.0	0.069
MMN	S	22	53.78	6.02	229.0	-0.141
MMNA	P	22	53.94	12.43	126.8	-0.146
MMNA	S	22	56.28	12.43	126.8	0.104

11 141105 2232 35.9 - Alto Tirreno Cosentino
 Lat: 39.89 Lon: 16.14 Prof: 8.1 Km
 ± 0.48 km ± 0.49 km ± 1.5 km
 RMS: 0.25s GAP: 104.5° NR: 15

STN	PHASE	MN	SEC	DIST	AZM	RES
MMNA	P	32	38.22	3.85	156.5	0.207
MMNA	S	32	39.33	3.85	156.5	-0.231
MMN9	P	32	38.39	7.85	270.4	0.027
MMN9	S	32	39.75	7.85	270.4	-0.418
MMN	P	32	39.10	12.96	269.8	0.054
MMN	S	32	41.24	12.96	269.8	-0.111
CET2	P	32	44.23	43.36	201.9	-0.027
CET2	S	32	49.80	43.36	201.9	-0.574

12 141106 1519 26.5 - Maratea - Rotonda
 Lat: 39.91 Lon: 16.08 Prof: 0.0 Km
 ± 0.68 km ± 0.22 km ± 0.5 km
 RMS: 0.10s GAP: 246.0° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	19	27.49	4.10	221.6	-0.018
MMN9	S	19	28.10	4.10	221.6	-0.097
MMN	P	19	28.42	8.45	248.0	-0.032
MMN	S	19	30.00	8.45	248.0	0.163

CET2	P	47	47.05	48.34	353.6	0.691	LADO	P	45	54.75	153.69	54.1	-0.010
CET2	S	47	53.09	48.34	353.6	0.288	LADO	S	46	14.24	153.69	54.1	-0.410
TDS	P	47	48.28	68.30	23.8	1.315	ROI	P	45	55.68	150.91	36.1	0.908
							ROI	S	46	15.40	150.91	36.1	0.726
26	141109 2108 24.0 - Offshore Locride												
	Lat:	37.85	Lon:	16.25	Prof:	37.2 Km							
		± 1.35 km		± 1.75 km		± 3.4 km							
	RMS:	0.43s	GAP:	212.1°	NR:	25							
	STN	PHASE	MN	SEC	DIST	AZM	RES						
	CNDF	P	08	33.50	38.74	294.4	0.478						
	CNDF	S	08	39.56	38.74	294.4	-0.047						
27	141110 0127 11.9 - Piana bat. ionica												
	Lat:	37.06	Lon:	15.61	Prof:	22.8 Km							
		± 1.01 km		± 0.79 km		± 1.9 km							
	RMS:	0.30s	GAP:	207.8°	NR:	23							
	STN	PHASE	MN	SEC	DIST	AZM	RES						
	CET2	P	27	52.11	274.89	6.4	0.000						
28	141110 0743 51.0 - Maratea - Rotonda												
	Lat:	39.90	Lon:	16.00	Prof:	2.8 Km							
		± 0.71 km		± 0.59 km		± 0.9 km							
	RMS:	0.20s	GAP:	148.0°	NR:	8							
	STN	PHASE	MN	SEC	DIST	AZM	RES						
	MMN	P	43	51.98	2.13	221.5	-0.040						
	MMN	S	43	52.77	2.13	221.5	0.057						
	MMN9	P	43	52.15	3.98	112.0	-0.156						
	MMN9	S	43	53.39	3.98	112.0	0.184						
29	141110 1026 00.8 - Stretto di Messina												
	Lat:	38.07	Lon:	15.71	Prof:	4.8 Km							
		± 0.80 km		± 0.58 km		± 1.2 km							
	RMS:	0.26s	GAP:	147.0°	NR:	9							
	STN	PHASE	MN	SEC	DIST	AZM	RES						
	CNDF	P	26	4.44	15.09	121.4	0.067						
	CNDF	S	26	6.98	15.09	121.4	0.011						
30	141110 1607 50.6 - G. di S. Eufemia												
	Lat:	38.77	Lon:	15.92	Prof:	8.7 Km							
		± 0.54 km		± 1.14 km		± 1.9 km							
	RMS:	0.33s	GAP:	172.7°	NR:	16							
	STN	PHASE	MN	SEC	DIST	AZM	RES						
	VBL2	P	07	54.93	19.60	123.7	0.223						
	VBL2	S	07	58.15	19.60	123.7	0.448						
	MC32	P	08	4.62	77.23	34.7	0.067						
	MC32	S	08	14.84	77.23	34.7	0.083						
	CET2	P	08	5.20	84.13	2.2	0.337						
	CET2	S	08	15.56	84.13	2.2	0.270						
31	141110 2025 49.2 - Confine calabro-lucano orientale												
	Lat:	40.00	Lon:	16.49	Prof:	73.7 Km							
		± 1.80 km		± 2.70 km		± 5.3 km							
	RMS:	0.67s	GAP:	137.2°	NR:	31							
	STN	PHASE	MN	SEC	DIST	AZM	RES						
	CNDF	P	25	2.05	228.78	194.0	0.589						
	CNDF	S	25	19.98	228.78	194.0	7.069						
	CET2	P	25	2.70	70.09	221.3	-0.933						
	CET2	S	25	20.21	70.09	221.3	6.072						
32	141110 2245 27.5 - Bacino di Gioia												
	Lat:	38.47	Lon:	15.54	Prof:	129.7 Km							
		± 1.00 km		± 1.68 km		± 4.2 km							
	RMS:	0.51s	GAP:	96.3°	NR:	69							
	STN	PHASE	MN	SEC	DIST	AZM	RES						
	VBL2	P	45	47.02	53.96	65.8	-0.007						
	VBL2	S	46	1.30	53.96	65.8	0.031						
	CNDF	P	45	47.17	58.82	152.6	0.076						
	CNDF	S	46	2.13	58.82	152.6	0.755						
	CET2	P	45	52.03	122.55	17.2	0.733						
	CET2	S	46	9.61	122.55	17.2	0.953						
	TDS	P	45	54.40	148.58	27.7	-0.238						
	TDS	S	46	13.78	148.58	27.7	-0.657						
33	141111 0107 10.2 - Sila Grande												
	Lat:	39.36	Lon:	16.47	Prof:	14.3 Km							
		± 0.75 km		± 0.84 km		± 2.1 km							
	RMS:	0.36s	GAP:	94.4°	NR:	12							
	STN	PHASE	MN	SEC	DIST	AZM	RES						
	MC32	P	07	13.56	5.21	237.0	0.223						
	MC32	S	07	15.32	5.21	237.0	-0.268						
	SCOI	P	07	15.16	21.05	244.9	0.233						
	SCOI	S	07	18.49	21.05	244.9	0.148						
	ROI	P	07	15.53	23.80	19.1	-0.035						
	ROI	S	07	19.39	23.80	19.1	-0.058						
	TDS	P	07	17.02	34.38	339.3	0.026						
	TDS	S	07	21.58	34.38	339.3	-0.342						
	LADO	P	07	18.42	44.28	102.1	-0.233						
	LADO	S	07	25.66	44.28	102.1	0.862						
34	141111 0258 36.6 - Valle dell'Esaro												
	Lat:	39.77	Lon:	16.20	Prof:	11.8 Km							
		± 0.80 km		± 0.91 km		± 2.6 km							
	RMS:	0.46s	GAP:	80.0°	NR:	16							
	STN	PHASE	MN	SEC	DIST	AZM	RES						
	MMNA	P	58	39.58	10.10	338.7	-0.416						
	MMNA	S	58	42.64	10.10	338.7	0.227						
	TDS	P	58	40.38	17.22	138.1	-0.258						
	TDS	S	58	44.11	17.22	138.1	0.585						
	MMN	P	58	41.88	22.28	305.4	0.366						
	MMN	S	58	45.94	22.28	305.4	0.899						
	CET2	P	58	43.51	34.66	218.1	-0.161						
	CET2	S	58	48.30	34.66	218.1	-0.477						
	ROI	P	58	44.87	38.66	125.6	0.442						
	ROI	S	58	50.61	38.66	125.6	0.523						
35	141111 0458 14.5 - Bacino di Gioia												
	Lat:	38.45	Lon:	15.38	Prof:	159.6 Km							
		± 2.28 km		± 5.99 km		± 4.2 km							
	RMS:	0.50s	GAP:	214.5°	NR:	21							
	STN	PHASE	MN	SEC	DIST	AZM	RES						
	CNDF	P	58	37.67	64.65	140.6	-0.026						
	CNDF	S	58	55.20	64.65	140.6	0.562						
	VBL2	P	58	37.95	67.75	68.9	-0.083						
	VBL2	S	58	55.02	67.75	68.9	-0.199						
	CET2	P	58	42.16	129.49	22.8	0.713						
	CET2	S	59	2.06	129.49	22.8	0.928						
36	141111 0556 39.8 - Presila nord-or.												
	Lat:	39.29	Lon:	16.93	Prof:	14.8 Km							
		± 1.64 km		± 2.23 km		± 3.0 km							
	RMS:	0.52s	GAP:	157.0°	NR:	6							
	STN	PHASE	MN	SEC	DIST	AZM	RES						
	LADO	P	56	42.58	4.31	110.9	-0.213						
	LADO	S	56	45.18	4.31	110.9	0.250						
	ROI	P	56	48.94	43.62	313.8	0.487						
	ROI	S	56	54.17	43.62	313.8	-0.561						
37	141111 0603 41.9 - Marchesato												
	Lat:	39.24	Lon:	17.03	Prof:	18.5 Km							
		± 0.75 km		± 1.36 km		± 1.3 km							
	RMS:	0.22s	GAP:	268.1°	NR:	10							
	STN	PHASE	MN	SEC	DIST	AZM	RES						
	LADO	P	03	45.56	6.39	307.5	-0.034						
	LADO	S	03	48.31	6.39	307.5	0.054						
	ROI	P	03	52.08	54.00	311.3	-0.359						
	ROI	S	04	0.44	54.00	311.3	0.328						
38	141111 0614 17.7 - Marchesato												
	Lat:	39.25	Lon:	17.02	Prof:	17.5 Km							
		± 1.19 km		± 1.81 km		± 2.5 km							
	RMS:	0.43s	GAP:	266.1°	NR:	14							

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	14	21.11	5.55	310.1	-0.077
LADO	S	14	23.80	5.55	310.1	0.104
ROI	P	14	27.55	53.17	311.6	-0.507
ROI	S	14	35.51	53.17	311.6	-0.084
MC32	P	14	28.81	52.88	280.9	0.946
MC32	S	14	34.78	52.88	280.9	-0.478

39 141111 0702 20.2 - Marchesato
 Lat: 39.24 Lon: 17.04 Prof: 18.6 Km
 ± 0.78 km ± 1.26 km ± 1.4 km
 RMS: 0.24s GAP: 269.6° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	02	23.88	7.38	309.4	-0.072
LADO	S	02	26.55	7.38	309.4	-0.120

40 141111 0718 19.5 - Marchesato
 Lat: 39.23 Lon: 17.07 Prof: 18.4 Km
 ± 0.62 km ± 0.95 km ± 0.9 km
 RMS: 0.16s GAP: 274.8° NR: 9

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	18	23.44	9.64	303.8	0.055
LADO	S	18	26.05	9.64	303.8	-0.151

41 141111 0808 55.3 - Marchesato
 Lat: 39.24 Lon: 17.03 Prof: 17.3 Km
 ± 0.52 km ± 0.73 km ± 0.8 km
 RMS: 0.13s GAP: 266.0° NR: 9

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	08	58.76	6.19	312.1	-0.012
LADO	S	09	1.22	6.19	312.1	-0.061

42 141111 0812 52.0 - Presila nord-or.
 Lat: 39.24 Lon: 17.00 Prof: 14.9 Km
 ± 1.00 km ± 1.40 km ± 2.3 km
 RMS: 0.39s GAP: 238.2° NR: 16

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	12	54.82	4.53	333.9	-0.122
LADO	S	12	57.45	4.53	333.9	0.352
MC32	P	13	1.38	50.77	281.9	-0.245
MC32	S	13	8.70	50.77	281.9	0.025

43 141111 0856 33.1 - Presila nord-or.
 Lat: 39.26 Lon: 17.01 Prof: 18.8 Km
 ± 1.06 km ± 1.63 km ± 2.1 km
 RMS: 0.37s GAP: 262.2° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	56	36.59	3.43	306.3	-0.080
LADO	S	56	39.10	3.43	306.3	-0.172
ROI	P	56	43.02	51.04	311.4	-0.100
ROI	S	56	49.69	51.04	311.4	-0.752

44 141111 0941 14.0 - Marchesato
 Lat: 39.24 Lon: 17.05 Prof: 20.5 Km
 ± 0.81 km ± 1.61 km ± 1.5 km
 RMS: 0.26s GAP: 272.4° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	41	18.12	8.11	300.8	0.011
LADO	S	41	20.73	8.11	300.8	-0.354
ROI	P	41	24.59	55.61	310.2	-0.302
ROI	S	41	32.61	55.61	310.2	-0.222

45 141111 1429 26.4 - Marchesato
 Lat: 39.23 Lon: 17.07 Prof: 17.9 Km
 ± 0.89 km ± 1.15 km ± 1.1 km
 RMS: 0.19s GAP: 291.8° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	29	30.32	9.54	303.9	0.075
LADO	S	29	32.93	9.54	303.9	-0.070

46 141111 1640 47.3 - Catena del Pollino
 Lat: 39.92 Lon: 16.10 Prof: 5.4 Km
 ± 0.68 km ± 0.69 km ± 2.2 km
 RMS: 0.49s GAP: 54.1° NR: 31

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	40	49.38	5.89	227.6	0.123
MMN9	S	40	50.62	5.89	227.6	-0.058
MMNA	P	40	49.69	9.09	146.3	-0.048
MMNA	S	40	50.93	9.09	146.3	-0.584
MMN	P	40	50.06	10.30	246.7	0.062
MMN	S	40	51.71	10.30	246.7	-0.252
TDS	P	40	54.43	36.00	145.8	0.015
TDS	S	41	0.26	36.00	145.8	0.647
CET2	P	40	55.78	46.04	196.0	-0.682
CET2	S	41	1.88	46.04	196.0	1.277
ROI	P	40	58.00	56.31	134.5	-0.344
ROI	S	41	7.08	56.31	134.5	0.661

47 141111 1658 02.1 - Catena del Pollino
 Lat: 39.91 Lon: 16.11 Prof: 5.0 Km
 ± 1.26 km ± 0.74 km ± 1.9 km
 RMS: 0.42s GAP: 138.6° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	58	4.35	6.38	243.9	0.222
MMN9	S	58	5.49	6.38	243.9	-0.066
MMNA	P	58	4.67	7.37	150.2	0.433
MMNA	S	58	6.15	7.37	150.2	0.404
MMN	P	58	5.01	11.22	255.0	0.019
MMN	S	58	6.30	11.22	255.0	-0.753

48 141111 2322 05.4 - Catena Costiera
 Lat: 39.23 Lon: 16.16 Prof: 13.1 Km
 ± 0.81 km ± 1.06 km ± 3.0 km
 RMS: 0.51s GAP: 141.5° NR: 25

STN	PHASE	MN	SEC	DIST	AZM	RES
SCOI	P	22	8.86	10.41	51.0	0.254
SCOI	S	22	10.93	10.41	51.0	0.034
MC32	P	22	11.21	26.06	61.0	0.233
MC32	S	22	15.10	26.06	61.0	0.097
ROI	P	22	15.12	51.62	42.6	-0.232
ROI	S	22	21.82	51.62	42.6	-0.756
TDS	P	22	15.34	49.96	17.5	0.605
TDS	S	22	22.50	49.96	17.5	0.981

49 141112 1708 37.5 - Alto Tirreno Cosentino
 Lat: 39.87 Lon: 16.08 Prof: 6.0 Km
 ± 1.95 km ± 0.59 km ± 0.5 km
 RMS: 0.11s GAP: 181.1° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	08	39.39	3.77	304.7	0.041
MMN9	S	08	40.60	3.77	304.7	-0.047
MMNA	P	08	39.69	6.45	102.9	0.061
MMNA	S	08	41.06	6.45	102.9	-0.072
MMN	P	08	39.90	8.46	284.0	-0.099
MMN	S	08	41.89	8.46	284.0	0.114

50 141112 1849 37.6 - Sila Piccola
 Lat: 39.16 Lon: 16.36 Prof: 24.5 Km
 ± 0.89 km ± 0.86 km ± 2.3 km
 RMS: 0.39s GAP: 97.3° NR: 13

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	49	48.55	53.91	318.8	0.218
CET2	S	49	55.48	53.91	318.8	-0.641

51 141113 0455 58.4 - Piana batiale ionica
 Lat: 39.05 Lon: 18.89 Prof: 0.5 Km
 ± 0.38 km ± 0.33 km ± 0.1 km
 RMS: 0.03s GAP: 334.0° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	55	27.56	167.87	277.6	-0.013
LADO	S	55	48.92	167.87	277.6	0.015
CNDF	P	55	43.13	289.95	245.5	0.000
CNDF	S	56	15.15	289.95	245.5	0.000

52 141113 0645 11.7 - Scarpata di Paola
 Lat: 38.83 Lon: 15.63 Prof: 100.2 Km
 ± 0.64 km ± 1.35 km ± 3.2 km
 RMS: 0.40s GAP: 100.7° NR: 62

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	45	30.09	81.39	20.2	0.764
CET2	S	45	42.86	81.39	20.2	0.671
CNDF	P	45	31.30	94.83	168.5	0.314
CNDF	S	45	45.74	94.83	168.5	0.675
TDS	P	45	32.76	109.42	33.8	0.097
TDS	S	45	47.73	109.42	33.8	-0.237
LADO	P	45	34.00	126.45	67.0	-0.053
LADO	S	45	51.04	126.45	67.0	0.662
ROI	P	45	34.01	114.61	44.9	0.863
ROI	S	45	48.42	114.61	44.9	-0.385
MMNA	P	45	34.14	122.01	22.0	-0.184
MMNA	S	45	51.00	122.01	22.0	0.153

53 141113 1158 48.5 - Stretto di Messina
 Lat: 38.19 Lon: 15.55 Prof: 11.0 Km
 ± 0.67 km ± 0.45 km ± 2.0 km
 RMS: 0.35s GAP: 115.8° NR: 23

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	58	55.15	33.40	128.8	0.168
CNDF	S	59	-0.38	33.40	128.8	-0.075
VBL2	P	59	2.35	71.92	42.0	0.815
VBL2	S	59	10.25	71.92	42.0	-0.797

54 141113 1255 19.9 - Catena del Pollino
 Lat: 39.91 Lon: 16.12 Prof: 7.7 Km
 ± 0.64 km ± 0.62 km ± 1.9 km
 RMS: 0.42s GAP: 66.2° NR: 23

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	55	22.21	6.77	250.5	-0.081
MMN9	S	55	23.45	6.77	250.5	-0.544
MMNA	P	55	22.51	6.57	152.8	0.185
MMNA	S	55	24.09	6.57	152.8	0.037
MMN	P	55	22.87	11.73	258.4	-0.077
MMN	S	55	24.50	11.73	258.4	-0.630
TDS	P	55	25.42	33.45	147.1	-0.948
CET2	P	55	28.51	45.02	199.1	-0.133
CET2	S	55	35.11	45.02	199.1	0.115

55 141113 2116 32.9 - Alto Tirreno Cosentino
 Lat: 39.85 Lon: 16.10 Prof: 8.3 Km
 ± 0.64 km ± 0.66 km ± 1.8 km
 RMS: 0.31s GAP: 132.8° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	16	35.44	6.42	310.2	0.179
MMN9	S	16	36.78	6.42	310.2	-0.168
MMN	P	16	35.93	10.80	292.0	0.132
MMN	S	16	37.62	10.80	292.0	-0.266
CET2	P	16	40.43	38.48	200.1	-0.046
CET2	S	16	45.39	38.48	200.1	-0.597

56 141113 2233 46.0 - Cilento
 Lat: 40.11 Lon: 15.52 Prof: 299.1 Km
 ± 1.03 km ± 2.11 km ± 3.8 km
 RMS: 0.44s GAP: 71.5° NR: 07

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	33	24.87	47.20	122.7	-0.234
MMN	S	33	53.22	47.20	122.7	-0.450
MMN9	P	33	25.14	51.53	119.6	-0.085
MMN9	S	33	54.29	51.53	119.6	0.404
CET2	P	33	25.59	75.17	151.0	0.721
CET2	S	33	54.13	75.17	151.0	0.860
TDS	P	33	26.92	86.26	126.5	0.868
TDS	S	33	56.03	86.26	126.5	0.713
ROI	P	33	27.10	108.13	124.3	0.296
ROI	S	33	55.82	108.13	124.3	-0.799
SCOI	P	33	27.89	111.49	145.9	0.906
SCOI	S	33	57.10	111.49	145.9	0.171
MC32	P	33	28.13	115.72	138.2	0.910
MC32	S	33	58.23	115.72	138.2	0.884
LADO	P	33	29.23	155.47	126.6	0.211
LADO	S	34	0.02	155.47	126.6	-0.424
VBL2	P	33	29.55	168.14	162.9	-0.558
VBL2	S	34	1.80	168.14	162.9	-0.530
CNDF	P	33	34.68	236.63	173.3	-0.197
CNDF	S	34	9.95	236.63	173.3	-0.646