



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

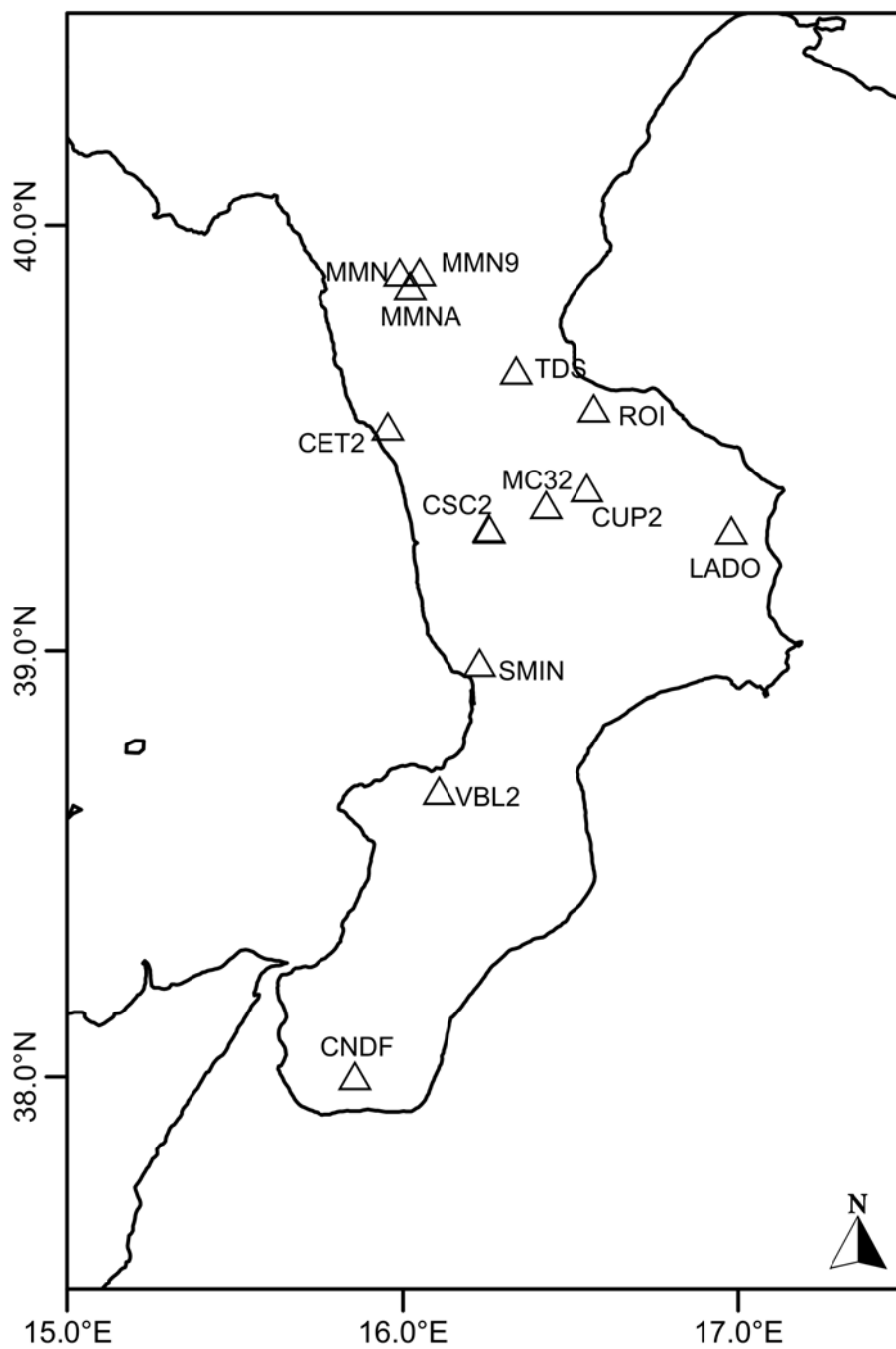
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DELLE AREE CIRCOSTANTI

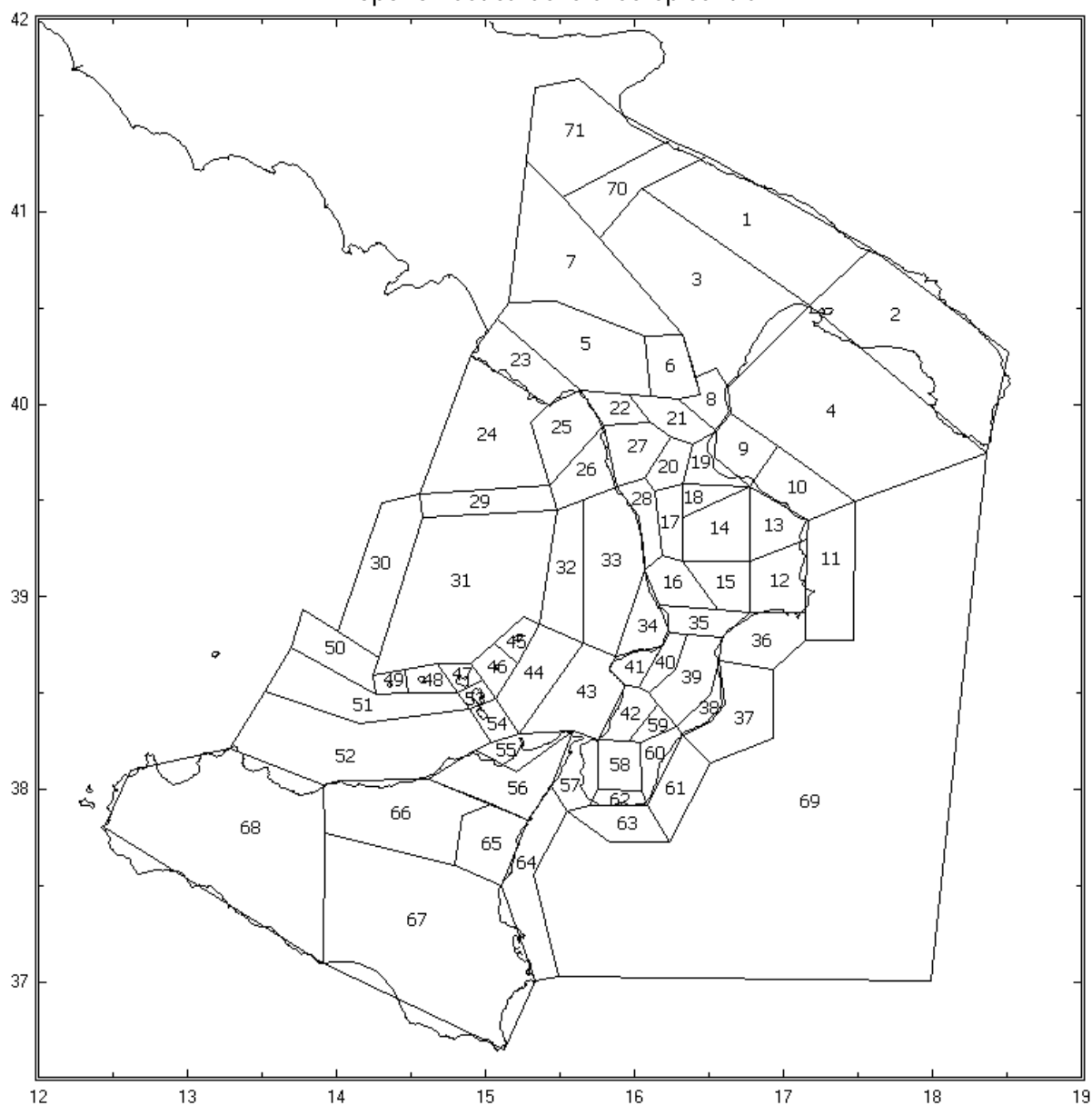
prodotto nell'ambito delle attività dell'O.R. 2.1

Periodo 01-15 Dicembre 2014

Distribuzione delle stazioni della Rete Sismica UniCal – Pon MASSIMO



Toponomastica delle aree epicentrali

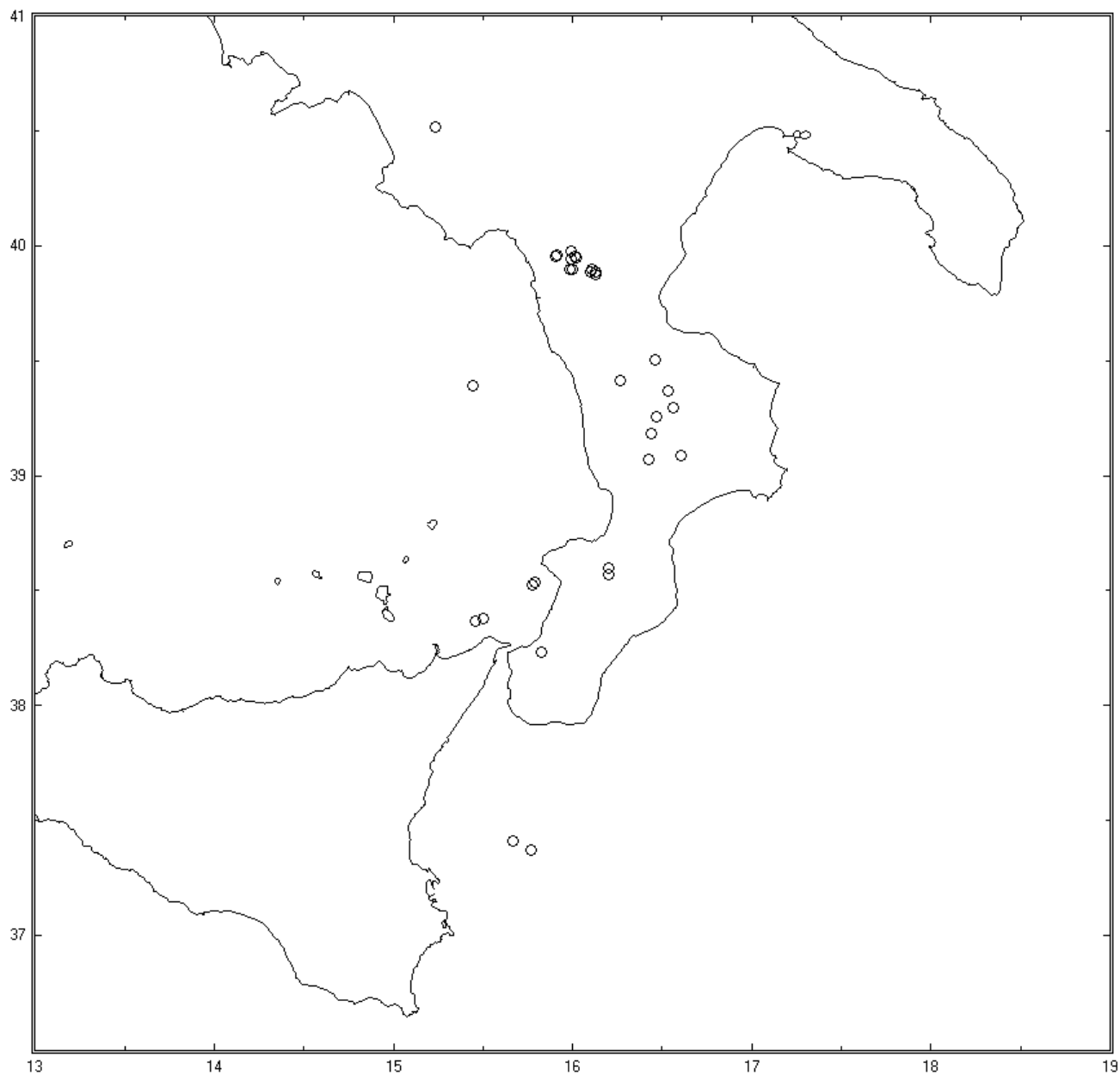


1 Murge	19 Piana di Sibari	37 Offshore Punta Stilo	55 Milazzo
2 Penisola Salentina	20 Valle dell'Esaro	38 Punta Stilo	56 Monti Peloritani
3 Piana del Bradano e del Basento	21 Catena del Pollino	39 Serre centro-settentrionali	57 Stretto di Messina
4 Golfo di Taranto	22 Marate - Rotonda	40 Valle del Mesima	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
141201	1951	12.0	39.2554	16.4707	27.7	1.2	1.53	1.81	3.80	12	101	0.58	0.17
141201	2236	40.3	38.3658	15.4555	116.5	2.5	1.71	2.44	4.28	27	97	0.54	0.13
141201	2340	11.4	37.4119	15.6648	27.3	2.4	1.23	1.36	2.57	25	185	0.39	0.15
141202	0422	53.8	39.2987	16.5628	22.5		0.22	0.41	0.18	6	224	0.03	0.03
141204	0422	8.3	39.8856	16.0964	5.1		0.86	0.27	0.18	6	197	0.04	0.04
141204	0611	14.6	39.5024	16.4614	0.0		1.00	1.64	3.07	8	138	0.68	0.25
141204	2204	8.1	38.5224	15.7785	148.3	2.0	2.93	9.63	3.78	12	180	0.46	0.20
141205	0227	29.5	39.3709	16.5304	26.4		0.78	0.93	1.44	8	117	0.22	0.09
141206	0124	1.2	39.0732	16.4209	8.2	0.9	0.70	0.74	2.35	17	96	0.40	0.11
141206	0848	53.3	39.9429	15.9897	2.9	1.6	0.79	1.16	2.00	18	123	0.45	0.12
141206	1116	1.4	38.2319	15.8260	9.0	1.9	0.39	0.38	1.36	22	89	0.23	0.05
141207	0000	26.2	39.1823	16.4398	9.7	1.6	1.14	1.08	2.43	12	165	0.42	0.17
141207	0054	10.7	39.8996	16.1101	6.0	2.3	0.48	0.59	2.06	43	57	0.46	0.07
141207	0215	3.3	39.8871	16.1266	8.1	1.0	0.68	0.66	2.11	16	100	0.36	0.10
141207	0257	50.4	38.3788	15.4991	114.6	2.4	1.51	2.15	3.77	28	141	0.47	0.11
141207	1249	17.3	39.9757	15.9918	0.7		1.01	0.86	1.06	6	234	0.23	0.23
141207	1520	40.0	39.9003	15.9868	1.5		0.34	0.34	0.49	8	185	0.11	0.06
141208	0054	45.3	38.5347	15.7902	54.9	2.3	0.72	0.98	3.25	42	56	0.42	0.07
141208	1256	16.4	38.5972	16.2019	18.4	2.7	0.42	0.58	1.72	28	87	0.30	0.06
141209	0000	16.5	39.8966	15.9955	2.4		0.13	0.13	0.16	6	127	0.04	0.02
141209	1012	57.8	39.9538	15.9055	0.2	1.5	0.87	0.81	1.54	16	150	0.34	0.09
141209	1254	26.1	39.4119	16.2657	12.6	1.2	0.49	0.46	1.49	18	103	0.26	0.07
141210	0039	44.5	39.3945	15.4426	264.0	2.5	3.01	5.67	4.60	28	198	0.53	0.23
141210	1902	24.5	39.0902	16.6054	9.4	1.2	0.59	0.48	1.33	10	118	0.23	0.08
141210	2015	15.9	38.5713	16.2043	18.7	2.3	0.65	1.22	2.80	28	84	0.48	0.11
141211	0440	3.4	37.3717	15.7679	19.8	2.6	1.05	1.26	2.68	48	195	0.46	0.18
141212	2302	21.8	39.9528	16.0144	8.9	1.3	0.37	0.40	1.41	21	88	0.24	0.05
141212	2308	0.7	39.9517	16.0216	8.3	1.3	0.47	0.52	1.83	22	83	0.32	0.07
141213	1211	53.9	39.9591	15.9132	3.8	1.3	0.80	0.94	2.39	16	119	0.41	0.10
141214	1433	28.0	40.5165	15.2305	330.9	4.0	1.68	2.52	4.18	102	84	0.49	0.06
141214	2125	58.4	39.8743	16.1317	5.5	1.0	0.74	0.81	1.98	12	95	0.44	0.13

Epicentri localizzati nel periodo di riferimento



BOLLETTINO

1 141201 1951 11.9 - Sila Grande
 Lat: 39.25 Lon: 16.47 Prof: 27.7 Km
 ± 1.53 km ± 1.81 km ± 3.8 km
 RMS: 0.58s GAP: 101.6° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
ROI	P	51	20.56	36.14	13.4	0.327
ROI	S	51	25.78	36.14	13.4	-0.496

2 141201 2236 40.3 - Bacino di Gioia
 Lat: 38.36 Lon: 15.45 Prof: 116.5 Km
 ± 1.71 km ± 2.44 km ± 4.3 km
 RMS: 0.54s GAP: 97.9° NR: 27

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	37	5.24	136.15	18.9	0.834
CET2	S	37	22.70	136.15	18.9	0.687
CUP2	P	37	7.07	147.48	40.2	0.668
CUP2	S	37	25.71	147.48	40.2	0.241

3 141201 2340 11.3 - Piana bat. ionica
 Lat: 37.41 Lon: 15.66 Prof: 27.3 Km
 ± 1.23 km ± 1.36 km ± 2.6 km
 RMS: 0.39s GAP: 185.4° NR: 25

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	40	24.30	67.79	14.8	0.374
CNDF	S	40	32.34	67.79	14.8	-0.778

4 141202 0422 53.8 - Sila Grande
 Lat: 39.29 Lon: 16.56 Prof: 22.5 Km
 ± 0.22 km ± 0.41 km ± 0.2 km
 RMS: 0.03s GAP: 224.3° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
CUP2	P	22	58.42	9.49	352.1	-0.027
CUP2	S	23	1.87	9.49	352.1	0.032
ROI	P	23	0.85	30.32	0.8	0.023
ROI	S	23	5.93	30.32	0.8	-0.027

5 141204 0422 08.2 - Alto Tirreno Cosentino
 Lat: 39.88 Lon: 16.09 Prof: 5.1 Km
 ± 0.86 km ± 0.27 km ± 0.2 km
 RMS: 0.04s GAP: 197.7° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	22	9.89	3.99	280.2	-0.009
MMN9	S	22	11.10	3.99	280.2	0.008
MMNA	P	22	10.18	6.17	117.9	0.037
MMNA	S	22	11.47	6.17	117.9	-0.043
MMN	P	22	10.66	9.06	273.8	-0.024
MMN	S	22	12.48	9.06	273.8	0.030

6 141204 0611 14.6 - Sila Greca
 Lat: 39.50 Lon: 16.46 Prof: 0.0 Km
 ± 1.00 km ± 1.64 km ± 3.1 km
 RMS: 0.68s GAP: 138.0° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
ROI	P	11	17.08	12.05	50.1	-0.221
ROI	S	11	18.64	12.05	50.1	-0.625
MC32	P	11	18.08	17.83	189.5	-0.514
MC32	S	11	20.69	17.83	189.5	-0.814
CUP2	P	11	18.74	15.17	150.3	0.739
CUP2	S	11	21.17	15.17	150.3	0.692
TDS	P	11	19.32	20.43	328.5	0.159
TDS	S	11	22.91	20.43	328.5	0.424

7 141204 2204 08.1 - Bacino di Gioia
 Lat: 38.52 Lon: 15.77 Prof: 148.3 Km
 ± 2.93 km ± 9.63 km ± 3.8 km
 RMS: 0.46s GAP: 180.4° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	04	30.85	63.47	38.2	0.495
SMIN	S	04	46.33	63.47	38.2	-0.307
CET2	P	04	32.91	112.75	8.0	0.107
CET2	S	04	51.41	112.75	8.0	0.548

8 141205 0227 29.5 - Sila Grande
 Lat: 39.37 Lon: 16.53 Prof: 26.4 Km
 ± 0.78 km ± 0.93 km ± 1.4 km
 RMS: 0.22s GAP: 117.0° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
MC32	P	27	34.58	9.41	251.3	-0.184
MC32	S	27	38.80	9.41	251.3	0.187
ROI	P	27	35.84	22.55	8.3	-0.069
ROI	S	27	40.72	22.55	8.3	0.125

9 141206 0124 01.2 - Amantea - M.Reventino
 Lat: 39.07 Lon: 16.42 Prof: 8.2 Km
 ± 0.70 km ± 0.74 km ± 2.3 km
 RMS: 0.40s GAP: 96.0° NR: 17

STN	PHASE	MN	SEC	DIST	AZM	RES
MC32	P	24	7.17	30.06	0.9	0.050
MC32	S	24	11.20	30.06	0.9	-0.231
CET2	P	24	12.91	64.62	321.5	-0.245
CET2	S	24	21.20	64.62	321.5	-0.684

10 141206 0848 53.2 - Maratea - Rotonda
 Lat: 39.94 Lon: 15.98 Prof: 2.9 Km
 ± 0.79 km ± 1.16 km ± 2.0 km
 RMS: 0.45s GAP: 123.0° NR: 18

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	48	54.88	5.77	179.4	0.053
MMN	S	48	56.30	5.77	179.4	0.350
MMN9	P	48	55.56	7.67	137.7	0.363
MMN9	S	48	57.00	7.67	137.7	0.408
CET2	P	49	1.67	46.07	183.9	-0.342
CET2	S	49	7.80	46.07	183.9	-0.594

11 141206 1116 01.3 - Aspromonte
 Lat: 38.23 Lon: 15.82 Prof: 9.0 Km
 ± 0.39 km ± 0.38 km ± 1.4 km
 RMS: 0.23s GAP: 89.7° NR: 22

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	16	6.83	25.52	174.1	0.446
CNDF	S	16	9.78	25.52	174.1	-0.274
VBL2	P	16	11.36	54.88	26.8	-0.029
VBL2	S	16	18.69	54.88	26.8	-0.035

12 141207 0000 26.1 - Sila Piccola
 Lat: 39.18 Lon: 16.43 Prof: 9.7 Km
 ± 1.14 km ± 1.08 km ± 2.4 km
 RMS: 0.42s GAP: 165.7° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
CUP2	P	00	31.33	24.20	22.6	0.184
CUP2	S	00	35.18	24.20	22.6	0.401
CET2	P	00	36.59	56.82	312.6	-0.193
CET2	S	00	43.91	56.82	312.6	-0.632

13 141207 0054 10.6 - Alto Tirreno Cosentino
 Lat: 39.89 Lon: 16.11 Prof: 6.0 Km
 ± 0.48 km ± 0.59 km ± 2.1 km
 RMS: 0.46s GAP: 57.4° NR: 43

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	54	12.87	5.17	260.6	0.244
MMN9	S	54	14.04	5.17	260.6	-0.007
MMNA	P	54	12.96	6.16	136.0	0.264
MMNA	S	54	14.17	6.16	136.0	0.001
MMN	P	54	13.55	10.26	264.7	0.121
MMN	S	54	15.16	10.26	264.7	-0.278
TDS	P	54	17.41	33.01	143.9	0.206
CET2	P	54	18.85	43.27	198.1	-0.430
CET2	S	54	24.71	43.27	198.1	-0.863
CUP2	P	54	24.40	68.54	146.7	0.967
CUP2	S	54	33.16	68.54	146.7	0.394

14 141207 0215 03.2 - Alto Tirreno Cosentino
 Lat: 39.88 Lon: 16.12 Prof: 8.1 Km
 ± 0.68 km ± 0.66 km ± 2.1 km
 RMS: 0.36s GAP: 100.4° NR: 16

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	15	5.62	6.53	274.7	0.053
MMN9	S	15	6.81	6.53	274.7	-0.442
MMNA	P	15	5.67	4.19	136.7	0.258
MMNA	S	15	6.90	4.19	136.7	-0.083
MMN	P	15	6.30	11.63	272.2	0.081
MMN	S	15	7.90	11.63	272.2	-0.480
CET2	P	15	11.25	42.43	200.5	-0.213
CET2	S	15	16.81	42.43	200.5	-0.655

15 141207 0258 50.3 - Bacino di Gioia
Lat: 38.37 Lon: 15.49 Prof: 114.6 Km
± 1.51 km ± 2.15 km ± 3.8 km
RMS: 0.47s GAP: 141.1° NR: 28

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	58	8.31	52.17	143.4	0.338
CNDF	S	58	21.71	52.17	143.4	0.852
CET2	P	58	15.02	133.62	17.5	0.992
CET2	S	58	32.06	133.62	17.5	0.712

16 141207 1249 17.3 - Maratea - Rotonda
Lat: 39.97 Lon: 15.99 Prof: 0.7 Km
± 1.01 km ± 0.86 km ± 1.1 km
RMS: 0.23s GAP: 234.1° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	49	19.86	10.57	151.9	0.159
MMN9	S	49	21.36	10.57	151.9	-0.083

17 141207 1520 40.0 - Alto Tirreno Cosentino
Lat: 39.90 Lon: 15.98 Prof: 1.5 Km
± 0.34 km ± 0.34 km ± 0.5 km
RMS: 0.11s GAP: 185.5° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	20	40.62	1.10	163.0	-0.002
MMN	S	20	41.10	1.10	163.0	0.051
MMN9	P	20	41.25	5.51	100.0	-0.140
MMN9	S	20	42.32	5.51	100.0	-0.057
MMNA	P	20	43.60	15.50	107.0	0.083
MMNA	S	20	46.18	15.50	107.0	0.116

18 141208 0054 45.2 - Bacino di Gioia
Lat: 38.53 Lon: 15.79 Prof: 54.9 Km
± 0.72 km ± 0.98 km ± 3.2 km
RMS: 0.42s GAP: 56.3° NR: 42

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	55	3.63	111.27	7.6	0.521
CET2	S	55	16.24	111.27	7.6	0.079

19 141208 1256 16.4 - Valle del Mesima
Lat: 38.59 Lon: 16.20 Prof: 18.4 Km
± 0.42 km ± 0.58 km ± 1.7 km
RMS: 0.30s GAP: 87.6° NR: 28

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	56	25.00	41.77	3.2	0.378
SMIN	S	56	30.64	41.77	3.2	-0.003
CET2	P	56	34.62	105.61	348.4	-0.059

20 141209 0000 16.4 - Alto Tirreno Cosentino
Lat: 39.89 Lon: 15.99 Prof: 2.4 Km
± 0.13 km ± 0.13 km ± 0.2 km
RMS: 0.04s GAP: 127.3° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	00	17.27	0.76	213.3	0.031
MMN	S	00	17.75	0.76	213.3	-0.036
MMN9	P	00	17.76	4.71	96.6	-0.028
MMN9	S	00	18.77	4.71	96.6	0.032

21 141209 1012 57.7 - Maratea - Rotonda
Lat: 39.95 Lon: 15.90 Prof: 0.2 Km
± 0.87 km ± 0.81 km ± 1.5 km
RMS: 0.34s GAP: 150.6° NR: 16

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	13	0.29	10.08	134.0	0.255

MMN	S	13	2.24	10.08	134.0	0.554
MMN9	P	13	0.82	14.16	119.2	-0.118
MMN9	S	13	3.47	14.16	119.2	0.217
MMNA	P	13	3.14	24.15	115.8	-0.010
MMNA	S	13	6.80	24.15	115.8	-0.281

22 141209 1254 26.1 - Valle del Crati
Lat: 39.41 Lon: 16.26 Prof: 12.6 Km
± 0.49 km ± 0.46 km ± 1.5 km
RMS: 0.26s GAP: 103.0° NR: 18

STN	PHASE	MN	SEC	DIST	AZM	RES
MC32	P	54	29.66	15.80	118.4	-0.383
MC32	S	54	32.78	15.80	118.4	-0.144
CUP2	P	54	31.56	24.53	97.3	0.246
CUP2	S	54	35.72	24.53	97.3	0.597
TDS	P	54	31.66	28.16	12.6	-0.075
TDS	S	54	35.90	28.16	12.6	0.044
CET2	P	54	32.24	29.74	295.9	0.035
CET2	S	54	36.22	29.74	295.9	-0.446
ROI	P	54	32.47	31.57	55.7	-0.096
ROI	S	54	37.20	31.57	55.7	-0.092

23 141210 0040 44.5 - Piana batiale Tirreno
Lat: 39.39 Lon: 15.44 Prof: 264.0 Km
± 3.01 km ± 5.67 km ± 4.6 km
RMS: 0.53s GAP: 198.4° NR: 28

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	40	19.10	46.52	71.6	0.624
CET2	S	40	44.30	46.52	71.6	0.980
CUP2	P	40	21.37	95.25	90.9	0.603
CUP2	S	40	47.95	95.25	90.9	0.663
ROI	P	40	21.38	98.91	78.7	0.491
ROI	S	40	47.67	98.91	78.7	0.173
CNDF	P	40	24.38	158.59	167.2	0.147
CNDF	S	40	53.23	158.59	167.2	-0.059

24 141210 1902 24.5 - Sila Piccola
Lat: 39.09 Lon: 16.60 Prof: 9.4 Km
± 0.59 km ± 0.48 km ± 1.3 km
RMS: 0.23s GAP: 118.5° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	02	31.08	35.16	248.2	-0.132
SMIN	S	02	36.02	35.16	248.2	-0.085

25 141210 2015 15.9 - Valle del Mesima
Lat: 38.57 Lon: 16.20 Prof: 18.7 Km
± 0.65 km ± 1.22 km ± 2.8 km
RMS: 0.48s GAP: 84.4° NR: 28

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	15	24.43	44.63	2.7	-0.207
SMIN	S	15	30.22	44.63	2.7	-0.790
CNDF	P	15	28.41	69.98	205.8	-0.381
CNDF	S	15	38.93	69.98	205.8	0.733
SCOI	P	15	30.85	79.83	3.3	0.413
SCOI	S	15	40.63	79.83	3.3	-0.431
MC32	P	15	32.84	87.91	12.6	0.884
MC32	S	15	43.66	87.91	12.6	-0.026
CUP2	P	15	33.78	94.95	18.2	0.648
CUP2	S	15	46.14	94.95	18.2	0.416
CET2	P	15	34.68	108.47	348.6	0.124
CET2	S	15	47.38	108.47	348.6	-0.805
ROI	P	15	36.78	115.47	15.8	-0.090
ROI	S	15	53.00	115.47	15.8	0.801

26 141211 0440 03.3 - Piana bat. ionica
Lat: 37.37 Lon: 15.76 Prof: 19.8 Km
± 1.05 km ± 1.26 km ± 2.7 km
RMS: 0.46s GAP: 195.6° NR: 48

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	40	17.11	70.53	6.7	0.691
CNDF	S	40	26.19	70.53	6.7	0.218
CET2	P	40	38.69	240.00	4.1	0.790
CET2	S	41	2.55	240.00	4.1	-0.628

27 141212 2302 21.7 - Maratea - Rotonda
 Lat: 39.95 Lon: 16.01 Prof: 8.9 Km
 ± 0.37 km ± 0.40 km ± 1.4 km
 RMS: 0.24s GAP: 88.6° NR: 21

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	02	24.07	7.17	196.6	-0.002
MMN	S	02	25.64	7.17	196.6	-0.131
MMNA	P	02	25.32	16.19	129.8	-0.202
MMNA	S	02	28.35	16.19	129.8	0.069
CET2	P	02	30.74	47.35	186.4	0.033
CET2	S	02	36.90	47.35	186.4	-0.367

28 141212 2308 00.7 - Maratea - Rotonda
 Lat: 39.95 Lon: 16.02 Prof: 8.3 Km
 ± 0.47 km ± 0.52 km ± 1.8 km
 RMS: 0.32s GAP: 83.5° NR: 22

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	08	2.92	7.25	201.6	-0.051
MMN	S	08	4.21	7.25	201.6	-0.412
MMNA	P	08	4.43	15.64	130.9	0.070
MMNA	S	08	7.14	15.64	130.9	0.117
CET2	P	08	9.63	47.30	187.1	-0.027
CET2	S	08	15.80	47.30	187.1	-0.399

29 141213 1211 53.8 - Maratea - Rotonda
 Lat: 39.95 Lon: 15.91 Prof: 3.8 Km
 ± 0.80 km ± 0.94 km ± 2.4 km
 RMS: 0.41s GAP: 119.1° NR: 16

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	11	56.23	10.05	139.0	0.063
MMN	S	11	58.09	10.05	139.0	0.248
MMNA	P	12	-0.35	23.82	117.7	0.710
MMNA	S	12	1.96	23.82	117.7	-0.685
CET2	P	12	2.85	47.90	176.0	-0.043
CET2	S	12	9.30	47.90	176.0	-0.194

30 141214 1434 27.9 - Vallo di Diano
 Lat: 40.51 Lon: 15.23 Prof: 330.9 Km
 ± 1.68 km ± 2.52 km ± 4.2 km
 RMS: 0.49s GAP: 84.0° NR: 02

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	34	11.83	94.94	137.4	-0.384
MMN	S	34	44.66	94.94	137.4	0.064
TDS	P	34	14.02	134.03	135.5	0.324
TDS	S	34	47.16	134.03	135.5	-0.001
CSC2	P	34	14.31	162.40	147.6	-0.781
CSC2	S	34	49.92	162.40	147.6	0.340
SCOI	P	34	14.35	162.06	147.5	-0.711
SCOI	S	34	48.90	162.06	147.5	-0.626
MC32	P	34	15.69	165.55	142.1	0.386
MC32	S	34	50.31	165.55	142.1	0.363
CUP2	P	34	16.05	168.83	138.4	0.590
CUP2	S	34	50.31	168.83	138.4	0.094
CNDF	P	34	22.82	284.22	169.5	0.000
CNDF	S	35	2.75	284.22	169.5	0.000

31 141214 2126 58.3 - Alto Tirreno Cosentino
 Lat: 39.87 Lon: 16.13 Prof: 5.5 Km
 ± 0.74 km ± 0.81 km ± 2.0 km
 RMS: 0.44s GAP: 95.0° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	26	1.41	12.20	278.8	-0.034
MMN	S	26	3.98	12.20	278.8	0.303
TDS	P	26	5.13	29.65	143.6	0.748
CET2	P	26	6.43	41.25	201.7	-0.265
CET2	S	26	11.85	41.25	201.7	-0.930