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**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”**

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**PROGETTO PON01\_02710 MASSIMO**

**AMBITO/SETTORE BENI CULTURALI**

**CUP B21C11000550005**

**UNIVERSITÀ DELLA CALABRIA – DIPARTIMENTO DI FISICA**

**BOLLETTINO**

**DELLA**

**SISMICITÀ DELLA CALABRIA**

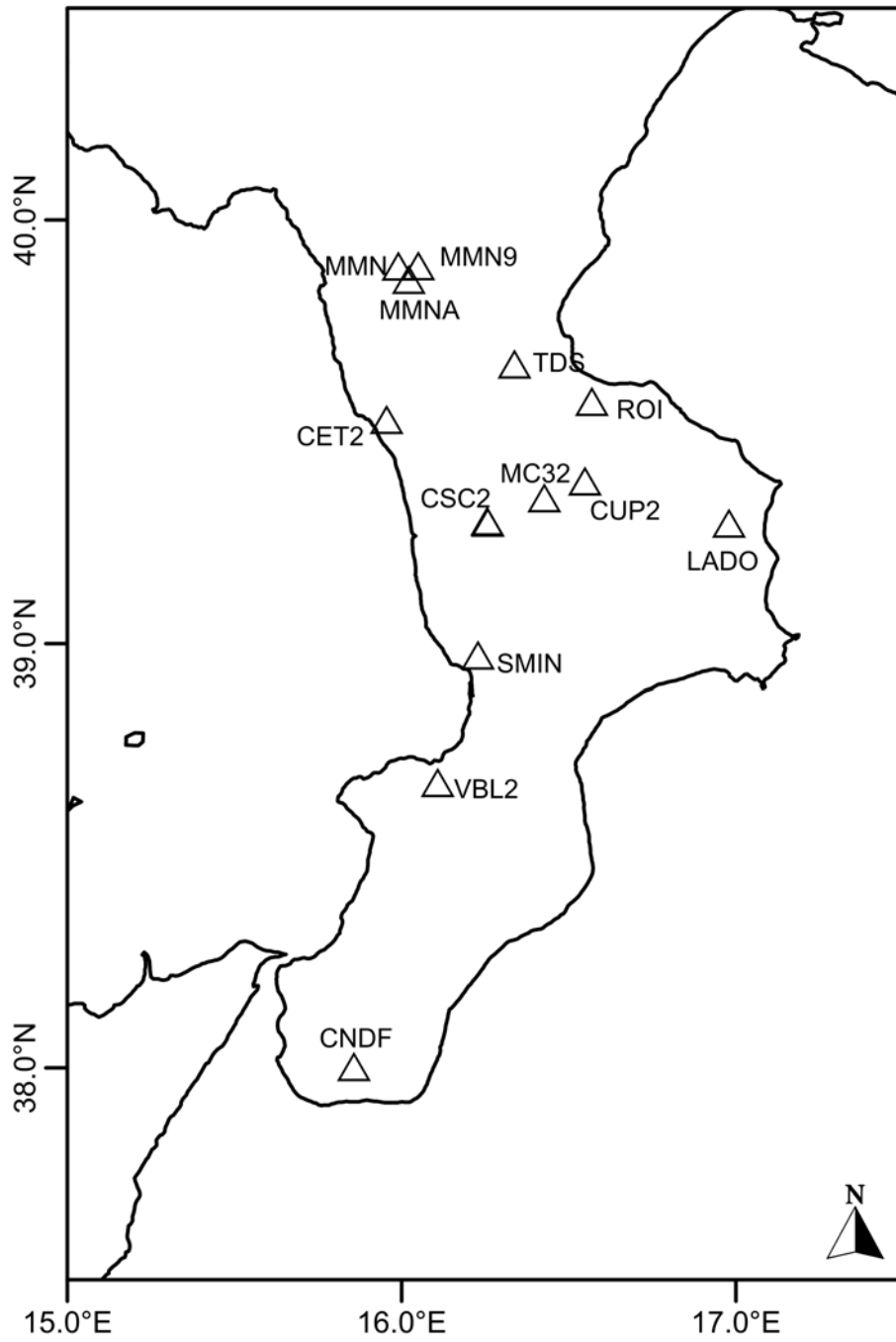
**E**

**DELLE AREE CIRCOSTANTI**

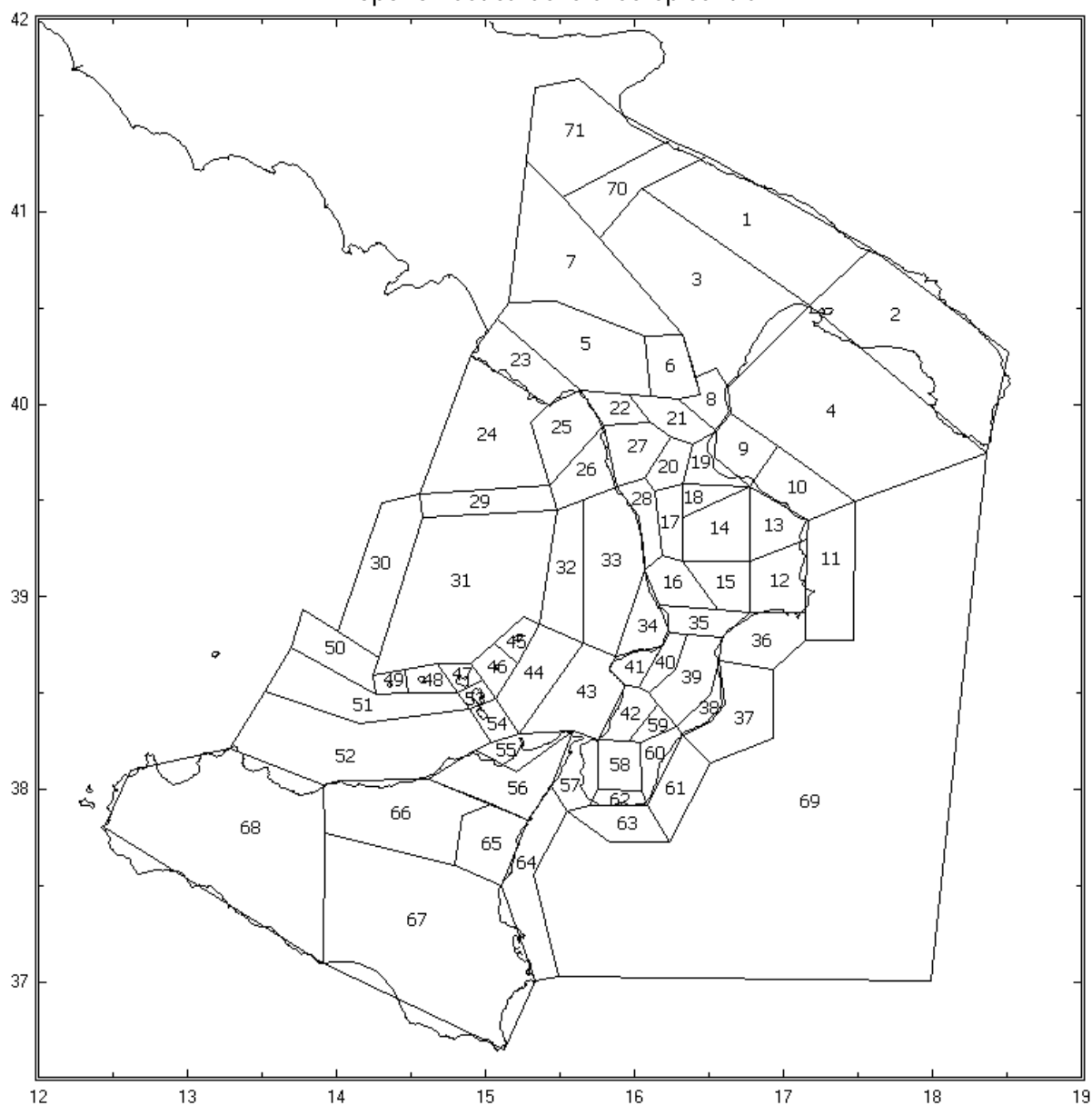
prodotto nell'ambito delle attività dell'O.R. 2.1

Periodo 01-15 Settembre 2014

Distribuzione delle stazioni della Rete Sismica UniCal – Pon MASSIMO



## Toponomastica delle aree epicentrali

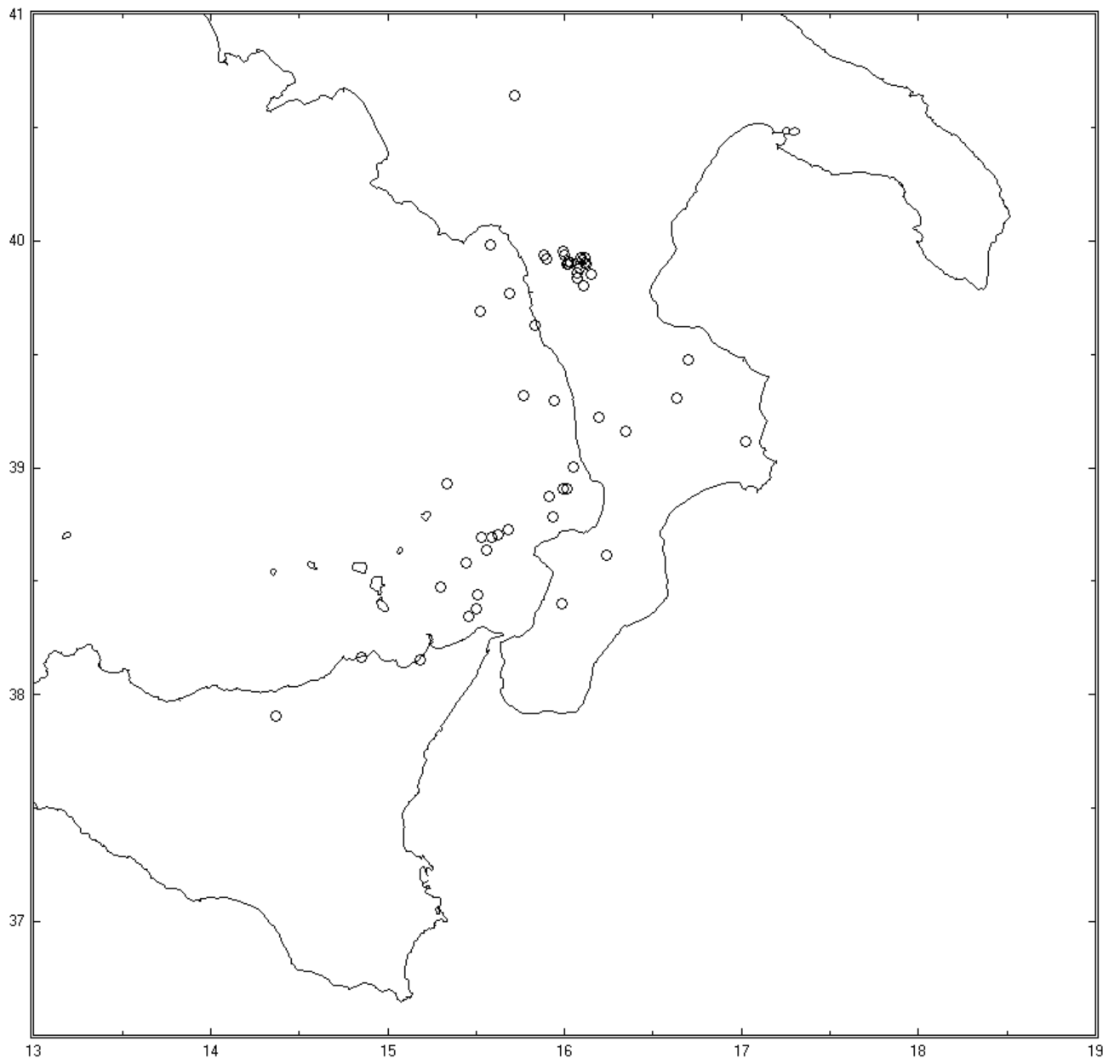


1 Murge	19 Piana di Sibari	37 Offshore Punta Stilo	55 Milazzo
2 Penisola Salentina	20 Valle dell'Esaro	38 Punta Stilo	56 Monti Peloritani
3 Piana del Bradano e del Basento	21 Catena del Pollino	39 Serre centro-settentrionali	57 Stretto di Messina
4 Golfo di Taranto	22 Marate - Rotonda	40 Valle del Mesima	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 <sub>0</sub>	m	Δlat	Δlon	ΔH <sub>0</sub>	nr	GAP	sqm	ΔT <sub>0</sub>
	aammgg	hhmm ss.s	°	°	km		km	km	km		°	sec	sec
140901	0039	49.7	39.8611	16.0680	5.4		0.55	0.56	1.32	12	101	0.29	0.09
140901	0309	48.1	39.8339	16.0734	0.0		0.43	1.50	1.07	6	213	0.24	0.20
140901	0349	24.3	38.6371	15.5582	159.1	3.1	0.81	1.53	3.45	92	52	0.42	0.05
140901	0611	3.8	38.1655	14.8492	116.7	2.6	1.39	1.22	4.07	58	54	0.51	0.07
140901	0900	27.5	38.7049	15.6223	92.3	2.4	1.00	1.30	3.29	47	64	0.41	0.08
140901	0933	12.8	38.3786	15.5010	125.0	2.9	1.02	1.44	3.36	69	63	0.42	0.06
140902	1107	11.0	38.1548	15.1800	12.0	2.0	0.63	0.43	1.67	17	86	0.29	0.07
140902	1626	4.2	39.8028	16.1072	5.3	2.0	0.56	0.64	1.77	20	104	0.39	0.09
140903	1947	9.0	39.8837	16.0872	5.3	1.7	0.54	0.60	1.54	15	79	0.34	0.09
140903	2046	27.6	39.9019	16.0333	5.3	1.2	0.53	0.80	1.70	15	72	0.29	0.08
140903	2328	4.0	39.2239	16.1901	55.6	1.7	0.83	1.39	3.87	38	127	0.48	0.09
140904	0214	28.3	39.2976	15.9445	55.5	1.6	0.98	1.76	3.43	25	156	0.44	0.12
140904	0400	26.4	39.6276	15.8313	27.0	1.7	0.72	1.10	3.28	37	142	0.42	0.09
140904	0948	42.8	39.9394	15.8865	1.0	1.5	0.60	0.53	1.57	22	117	0.35	0.08
140904	1413	25.2	39.8559	16.1514	5.5	1.0	0.76	0.64	1.73	15	119	0.38	0.12
140904	1554	39.7	38.4743	15.2960	125.5	2.3	1.34	1.38	2.06	23	137	0.26	0.08
140904	1714	10.9	38.4379	15.5084	133.0	2.7	1.87	3.08	3.62	33	67	0.44	0.10
140905	1912	6.3	39.3202	15.7680	220.3	2.6	1.66	3.00	3.82	40	136	0.46	0.09
140906	1651	31.1	37.9046	14.3701	27.1	2.8	0.55	0.48	2.49	58	47	0.43	0.06
140906	2054	1.6	38.7829	15.9355	50.0	2.7	0.50	0.87	3.69	92	69	0.46	0.05
140908	0032	38.8	39.9028	16.1131	8.1	1.2	0.50	0.65	1.47	14	103	0.25	0.09
140908	0200	29.5	39.8989	16.0211	6.6	0.9	0.67	1.02	1.70	12	117	0.29	0.09
140908	0332	9.9	39.4779	16.7019	28.7	1.6	0.50	0.46	0.90	16	146	0.14	0.05
140908	1622	16.1	39.7692	15.6852	271.8	2.4	5.52	8.91	6.20	22	179	0.72	0.31
140908	1743	32.7	38.8763	15.9119	2.2	1.2	0.56	0.84	1.66	20	155	0.37	0.11
140908	2031	2.8	39.9085	16.0179	6.9	2.1	0.49	0.78	2.61	44	72	0.45	0.07
140908	2135	25.5	39.8957	16.0121	6.4	1.1	0.61	0.89	2.07	18	73	0.36	0.09
140909	0719	50.7	38.6131	16.2371	21.3	1.5	0.38	0.50	1.27	17	96	0.22	0.06
140909	1309	25.6	39.9818	15.5795	2.4	2.2	0.70	0.77	1.94	25	154	0.43	0.13
140909	1442	47.8	38.6921	15.5898	190.4	3.0	0.97	1.79	3.66	92	62	0.44	0.05
140909	1740	45.4	39.9258	16.1171	8.1	0.8	1.29	1.18	3.15	11	111	0.54	0.18
140909	2054	21.7	38.6930	15.5289	81.5	1.6	1.67	2.99	3.75	15	144	0.47	0.21
140910	0238	18.7	40.6432	15.7198	8.6	2.0	0.41	0.65	2.66	49	59	0.46	0.07
140910	0854	44.4	39.3079	16.6311	18.7	1.7	0.62	0.82	2.52	30	103	0.43	0.10
140910	0900	44.6	39.8999	16.1236	5.2	0.9	0.71	0.69	1.91	15	101	0.43	0.11
140910	1016	32.9	39.0044	16.0486	15.6	1.8	0.45	0.66	2.04	30	135	0.31	0.07
140910	1422	58.0	39.1619	16.3423	21.9	2.0	0.39	0.59	1.98	36	95	0.34	0.06
140910	1616	58.3	38.4019	15.9875	12.2	1.6	0.40	0.53	1.77	29	88	0.31	0.06
140911	0636	25.6	39.9235	15.8958	0.5	1.3	0.71	0.66	1.84	16	111	0.41	0.11
140911	2227	38.3	38.9067	16.0137	36.6	2.1	0.88	1.64	3.59	26	131	0.46	0.10
140912	0502	3.7	40.6397	15.7194	0.0	2.1	0.55	0.65	2.09	33	44	0.47	0.08
140912	1233	51.2	39.6882	15.5214	0.0	2.0	0.66	0.84	1.59	18	173	0.35	0.12
140912	1827	54.6	38.9093	15.9910	36.5	2.4	0.60	1.13	3.22	46	104	0.41	0.06
140912	1943	25.0	38.9318	15.3333	69.1	1.9	1.80	2.56	4.13	14	159	0.52	0.22
140912	2047	19.7	38.5835	15.4447	74.0	2.0	1.32	1.43	2.48	22	161	0.31	0.11
140913	0642	32.0	38.7294	15.6785	153.9	2.4	1.48	2.69	3.45	39	163	0.42	0.09
140913	1439	26.9	38.3476	15.4577	116.1	2.5	1.57	1.54	3.67	38	90	0.46	0.08
140914	0845	44.8	39.9141	16.0999	6.5		0.89	0.30	0.32	6	244	0.07	0.11
140914	1702	25.7	39.9293	16.0908	0.0		0.62	0.22	0.43	6	258	0.10	0.13
140914	1720	37.5	39.9557	15.9910	6.6	1.2	0.68	1.18	1.66	16	147	0.29	0.07
140914	1742	31.0	39.9386	16.0002	7.7		3.36	1.30	1.55	6	293	0.27	0.41
140915	0235	15.0	39.1147	17.0222	24.6	1.4	1.69	2.57	2.86	12	290	0.44	0.44

Epicentri localizzati nel periodo di riferimento



# **BOLLETTINO**

1 140901 0039 49.6 - Alto Tirreno Cosentino  
 Lat: 39.86 Lon: 16.06 Prof: 5.4 Km  
 ± 0.55 km ± 0.56 km ± 1.3 km  
 RMS: 0.29s GAP: 101.7° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	39	51.39	3.73	336.3	0.070
MMN9	S	39	52.24	3.73	336.3	-0.290
MMN	P	39	51.93	7.39	296.7	0.108
MMN	S	39	53.01	7.39	296.7	-0.390
CET2	P	39	57.52	38.15	194.9	0.057
CET2	S	40	2.56	38.15	194.9	-0.611

2 140901 0309 48.0 - Alto Tirreno Cosentino  
 Lat: 39.83 Lon: 16.07 Prof: 0.0 Km  
 ± 0.43 km ± 1.50 km ± 1.1 km  
 RMS: 0.24s GAP: 213.9° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	09	49.54	6.73	343.0	-0.062
MMN9	S	09	50.61	6.73	343.0	-0.100
MMN	P	09	50.24	9.49	311.9	0.031
MMN	S	09	51.83	9.49	311.9	0.070
CET2	P	09	56.18	35.37	196.9	0.227
CET2	S	10	1.35	35.37	196.9	-0.359

3 140901 0349 24.2 - Bacino di Gioia  
 Lat: 38.63 Lon: 15.55 Prof: 159.1 Km  
 ± 0.81 km ± 1.53 km ± 3.5 km  
 RMS: 0.42s GAP: 52.1° NR: 92

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	49	46.93	48.02	85.4	0.116
VBL2	S	50	3.65	48.02	85.4	0.349
SMIN	P	49	47.49	69.11	57.6	-0.288
SMIN	S	50	4.68	69.11	57.6	-0.291
CNDF	P	49	48.53	75.06	159.9	0.601
CNDF	S	50	5.71	75.06	159.9	0.477
SCOI	P	49	49.05	94.35	40.1	-0.190
SCOI	S	50	7.74	94.35	40.1	0.237
CSC2	P	49	49.07	94.18	40.3	-0.166
CSC2	S	50	7.84	94.18	40.3	0.343
CET2	P	49	49.80	104.76	19.4	0.532
CET2	S	50	8.10	104.76	19.4	0.548
MC32	P	49	50.63	108.72	44.0	0.352
MC32	S	50	9.36	108.72	44.0	0.059
CUP2	P	49	51.98	119.23	46.1	0.935
CUP2	S	50	11.37	119.23	46.1	0.740
TDS	P	49	51.98	131.97	30.9	-0.180
TDS	S	50	12.52	131.97	30.9	-0.042
ROI	P	49	52.88	135.70	40.2	0.489
ROI	S	50	12.30	135.70	40.2	-0.661
MMN	P	49	52.88	144.10	15.3	-0.431
MMN	S	50	13.70	144.10	15.3	-0.854
MMN9	P	49	53.29	145.63	17.2	-0.188
MMN9	S	50	14.89	145.63	17.2	0.045

4 140901 0611 03.8 - M. Peloritani  
 Lat: 38.16 Lon: 14.84 Prof: 116.7 Km  
 ± 1.39 km ± 1.22 km ± 4.1 km  
 RMS: 0.51s GAP: 54.4° NR: 58

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	11	24.38	90.25	102.1	0.146
CNDF	S	11	40.06	90.25	102.1	0.867
CET2	P	11	32.98	179.19	32.9	0.691
CET2	S	11	53.66	179.19	32.9	0.515
ROI	P	11	38.12	215.99	44.0	0.703
ROI	S	12	2.84	215.99	44.0	0.815

5 140901 0900 27.5 - Bacino di Gioia  
 Lat: 38.70 Lon: 15.62 Prof: 92.3 Km  
 ± 1.00 km ± 1.30 km ± 3.3 km  
 RMS: 0.41s GAP: 64.2° NR: 47

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	00	42.15	42.39	94.9	0.068
VBL2	S	00	52.62	42.39	94.9	-0.114
CNDF	P	00	45.24	80.55	165.5	0.472
CNDF	S	00	57.76	80.55	165.5	0.371

CET2 P 00 46.20 95.87 17.7 0.502  
 CET2 S 01 -0.27 95.87 17.7 0.732

6 140901 0933 12.7 - Bacino di Gioia  
 Lat: 38.37 Lon: 15.50 Prof: 125.0 Km  
 ± 1.02 km ± 1.44 km ± 3.4 km  
 RMS: 0.42s GAP: 63.5° NR: 69

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	33	31.94	52.05	143.5	0.367
CNDF	S	33	46.08	52.05	143.5	0.768
VBL2	P	33	32.36	62.24	58.5	-0.024
VBL2	S	33	46.49	62.24	58.5	-0.227
SMIN	P	33	34.10	91.41	44.0	-0.366
SMIN	S	33	49.56	91.41	44.0	-0.763
CET2	P	33	37.99	133.60	17.4	0.708
CET2	S	33	55.72	133.60	17.4	0.522
TDS	P	33	40.36	159.57	27.2	-0.532
ROI	P	33	41.28	161.59	35.1	0.304
ROI	S	34	1.24	161.59	35.1	-0.357

7 140902 1107 10.9 - Milazzo  
 Lat: 38.15 Lon: 15.18 Prof: 12.0 Km  
 ± 0.63 km ± 0.43 km ± 1.7 km  
 RMS: 0.29s GAP: 86.0° NR: 17

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	07	22.04	61.75	106.3	-0.170
CNDF	S	07	30.20	61.75	106.3	-0.247

8 140902 1626 04.1 - Alto Tirreno Cosentino  
 Lat: 39.80 Lon: 16.10 Prof: 5.3 Km  
 ± 0.56 km ± 0.64 km ± 1.8 km  
 RMS: 0.39s GAP: 104.6° NR: 20

STN	PHASE	MN	SEC	DIST	AZM	RES
MMNA	P	26	6.50	7.77	35.8	0.171
MMNA	S	26	7.43	7.77	35.8	-0.489
MMN9	P	26	7.11	11.02	333.9	0.128
MMN9	S	26	9.12	11.02	333.9	0.071
MMN	P	26	7.72	13.96	314.5	0.168
MMN	S	26	10.16	13.96	314.5	0.124
TDS	P	26	9.82	25.34	128.9	0.369
CET2	P	26	11.04	33.12	203.4	-0.068
CET2	S	26	15.39	33.12	203.4	-0.804
ROI	P	26	13.75	47.20	122.8	0.116
ROI	S	26	21.04	47.20	122.8	0.467
SMIN	P	26	21.61	92.72	173.6	0.552
SMIN	S	26	32.82	92.72	173.6	-0.607

9 140903 1947 08.9 - Alto Tirreno Cosentino  
 Lat: 39.88 Lon: 16.08 Prof: 5.3 Km  
 ± 0.54 km ± 0.60 km ± 1.5 km  
 RMS: 0.34s GAP: 79.4° NR: 15

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	47	11.19	8.30	275.6	-0.060
MMN	S	47	12.58	8.30	275.6	-0.353
TDS	P	47	15.94	32.84	139.3	0.418
CET2	P	47	17.35	41.01	196.2	0.104
CET2	S	47	22.63	41.01	196.2	-0.690

10 140903 2046 27.6 - Alto Tirreno Cosentino  
 Lat: 39.90 Lon: 16.03 Prof: 5.3 Km  
 ± 0.53 km ± 0.80 km ± 1.7 km  
 RMS: 0.29s GAP: 72.2° NR: 15

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	46	29.12	3.85	251.6	0.014
MMN	S	46	29.87	3.85	251.6	-0.318
CET2	P	46	35.53	41.96	189.4	-0.080
CET2	S	46	40.85	41.96	189.4	-0.606

11 140903 2328 04.0 - Valle del Crati  
 Lat: 39.22 Lon: 16.19 Prof: 55.6 Km  
 ± 0.83 km ± 1.39 km ± 3.9 km  
 RMS: 0.48s GAP: 127.0° NR: 38

STN	PHASE	MN	SEC	DIST	AZM	RES
CSC2	P	28	13.18	9.06	40.2	0.096







31 140909 1740 45.3 - Catena del Pollino  
 Lat: 39.92 Lon: 16.11 Prof: 8.1 Km  
 ± 1.29 km ± 1.18 km ± 3.2 km  
 RMS: 0.54s GAP: 111.9° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	40	47.88	6.84	236.6	0.158
MMN9	S	40	49.09	6.84	236.6	-0.343
MMN	P	40	48.55	11.49	250.4	0.236
MMN	S	40	50.23	11.49	250.4	-0.231

32 140909 2054 21.7 - Canyon di Stromboli  
 Lat: 38.69 Lon: 15.52 Prof: 81.5 Km  
 ± 1.67 km ± 2.99 km ± 3.8 km  
 RMS: 0.47s GAP: 144.9° NR: 15

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	54	37.04	68.20	63.1	-0.067
SMIN	S	54	48.36	68.20	63.1	-0.018
CET2	P	54	40.19	99.82	22.0	0.745
CET2	S	54	52.89	99.82	22.0	0.468

33 140910 0238 18.6 - Appennino Lucano  
 Lat: 40.64 Lon: 15.71 Prof: 8.6 Km  
 ± 0.41 km ± 0.65 km ± 2.7 km  
 RMS: 0.46s GAP: 59.9° NR: 49

STN	PHASE	MN	SEC	DIST	AZM	RES
MMNA	P	38	36.66	94.72	156.9	0.498
MMNA	S	38	49.30	94.72	156.9	0.341
CET2	P	38	39.88	125.34	171.1	-0.033
CET2	S	38	56.17	125.34	171.1	0.714
ROI	P	38	43.97	139.27	148.7	0.458
ROI	S	39	1.32	139.27	148.7	-0.367
CUP2	P	38	46.40	156.73	153.2	0.727
CUP2	S	39	5.74	156.73	153.2	0.308

34 140910 0854 44.3 - Sila Grande  
 Lat: 39.30 Lon: 16.63 Prof: 18.7 Km  
 ± 0.62 km ± 0.82 km ± 2.5 km  
 RMS: 0.43s GAP: 103.4° NR: 30

STN	PHASE	MN	SEC	DIST	AZM	RES
CUP2	P	54	48.60	11.01	319.3	0.062
CUP2	S	54	51.31	11.01	319.3	-0.274
MC32	P	54	49.56	18.05	282.6	0.257
MC32	S	54	52.77	18.05	282.6	-0.140
ROI	P	54	50.76	29.78	349.5	-0.197
ROI	S	54	55.14	29.78	349.5	-0.635
SCOI	P	54	51.22	32.38	266.2	0.109
SCOI	S	54	55.85	32.38	266.2	-0.192
CSC2	P	54	51.81	32.28	265.6	0.706
CSC2	S	54	56.14	32.28	265.6	0.109
TDS	P	54	53.41	46.49	326.9	0.079
TDS	S	55	0.30	46.49	326.9	0.413
SMIN	P	54	55.10	50.95	223.0	0.994
SMIN	S	55	0.69	50.95	223.0	-0.538
CET2	P	54	55.68	63.20	292.8	-0.506
CET2	S	55	4.07	63.20	292.8	-0.761
MMNA	P	54	58.59	73.41	326.5	0.269
MMNA	S	55	9.15	73.41	326.5	0.621

35 140910 0900 44.6 - Alto Tirreno Cosentino  
 Lat: 39.89 Lon: 16.12 Prof: 5.2 Km  
 ± 0.71 km ± 0.69 km ± 1.9 km  
 RMS: 0.43s GAP: 101.3° NR: 15

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	00	46.65	6.32	261.9	0.032
MMN9	S	00	47.78	6.32	261.9	-0.282
MMNA	P	00	47.02	5.46	145.1	0.601
MMNA	S	00	48.33	5.46	145.1	0.612
MMN	P	00	47.34	11.41	265.0	-0.178
MMN	S	00	49.20	11.41	265.0	-0.423

36 140910 1016 32.9 - G. di S. Eufemia  
 Lat: 39.00 Lon: 16.04 Prof: 15.6 Km  
 ± 0.45 km ± 0.66 km ± 2.0 km  
 RMS: 0.31s GAP: 135.5° NR: 30

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	16	37.03	15.94	102.7	0.014
SMIN	S	16	39.37	15.94	102.7	-0.652
VBL2	P	16	40.55	37.06	172.1	0.462
VBL2	S	16	45.26	37.06	172.1	-0.082
CET2	P	16	43.94	58.78	352.2	0.663
CET2	S	16	51.11	58.78	352.2	0.245
TDS	P	16	46.59	76.86	18.9	0.091
TDS	S	16	56.10	76.86	18.9	-0.343

37 140910 1423 58.0 - Amantea - M.Reventino  
 Lat: 39.16 Lon: 16.34 Prof: 21.9 Km  
 ± 0.39 km ± 0.59 km ± 2.0 km  
 RMS: 0.34s GAP: 95.0° NR: 36

STN	PHASE	MN	SEC	DIST	AZM	RES
SCOI	P	23	3.30	15.96	332.3	0.391
SCOI	S	23	6.40	15.96	332.3	-0.102
SMIN	P	23	4.02	23.19	205.2	0.215
SMIN	S	23	7.75	23.19	205.2	-0.303
MC32	P	23	4.12	21.48	19.8	0.385
MC32	S	23	7.73	21.48	19.8	-0.204
CUP2	P	23	5.14	30.33	35.7	0.262
CUP2	S	23	10.26	30.33	35.7	0.346
ROI	P	23	7.70	49.52	23.1	-0.227
ROI	S	23	14.94	49.52	23.1	-0.256
CET2	P	23	8.43	52.68	320.7	0.056
CET2	S	23	15.67	52.68	320.7	-0.300
TDS	P	23	8.52	55.23	359.5	-0.039
TDS	S	23	16.21	55.23	359.5	-0.077
VBL2	P	23	9.13	57.87	200.6	0.100
VBL2	S	23	17.21	57.87	200.6	0.104
MMNA	P	23	13.04	79.03	348.6	0.033
MMNA	S	23	23.01	79.03	348.6	-0.983

38 140910 1617 58.3 - Piana di Gioia  
 Lat: 38.40 Lon: 15.98 Prof: 12.2 Km  
 ± 0.40 km ± 0.53 km ± 1.8 km  
 RMS: 0.31s GAP: 88.7° NR: 29

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	17	4.97	31.95	19.3	0.383
VBL2	S	17	8.62	31.95	19.3	-0.550
SMIN	P	17	11.02	66.75	18.4	0.564
SMIN	S	17	18.40	66.75	18.4	-0.936
CET2	P	17	19.78	125.13	358.9	0.095
CET2	S	17	34.75	125.13	358.9	-0.572

39 140911 0636 25.5 - Maratea - Rotonda  
 Lat: 39.92 Lon: 15.89 Prof: 0.5 Km  
 ± 0.71 km ± 0.66 km ± 1.8 km  
 RMS: 0.41s GAP: 111.0° NR: 16

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	36	27.94	8.88	114.3	0.392
MMN	S	36	29.17	8.88	114.3	0.161
CET2	P	36	33.52	44.11	173.6	-0.765
CET2	S	36	40.60	44.11	173.6	-0.079

40 140911 2227 38.3 - G. di S. Eufemia  
 Lat: 38.90 Lon: 16.01 Prof: 36.6 Km  
 ± 0.88 km ± 1.64 km ± 3.6 km  
 RMS: 0.46s GAP: 131.5° NR: 26

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	27	50.69	69.25	355.9	0.672
CET2	S	27	57.98	69.25	355.9	-0.608
CUP2	P	27	51.43	70.25	41.1	0.598
CUP2	S	27	59.45	70.25	41.1	-0.545

41 140912 0502 03.7 - Appennino Lucano  
 Lat: 40.63 Lon: 15.71 Prof: 0.0 Km  
 ± 0.55 km ± 0.65 km ± 2.1 km  
 RMS: 0.47s GAP: 44.9° NR: 33

STN	PHASE	MN	SEC	DIST	AZM	RES
ROI	P	02	29.72	138.95	148.6	0.588
ROI	S	02	48.11	138.95	148.6	0.357

**42** 140912 1233 51.2 - G. di Policastro  
 Lat: 39.68 Lon: 15.52 Prof: 0.0 Km  
 ± 0.66 km ± 0.84 km ± 1.6 km  
 RMS: 0.35s GAP: 173.3° NR: 18

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	34	-0.35	41.19	115.8	-0.135
CET2	S	34	5.66	41.19	115.8	-0.419
MMNA	P	34	3.34	57.94	71.1	0.276
MMNA	S	34	11.27	57.94	71.1	-0.490

**43** 140912 1828 54.5 - G. di S. Eufemia  
 Lat: 38.90 Lon: 15.99 Prof: 36.5 Km  
 ± 0.60 km ± 1.13 km ± 3.2 km  
 RMS: 0.41s GAP: 104.2° NR: 46

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	28	1.64	21.74	71.1	0.108
SMIN	S	28	5.96	21.74	71.1	-0.647
VBL2	P	28	2.38	28.04	158.9	0.302
VBL2	S	28	6.84	28.04	158.9	-0.713
SCOI	P	28	4.16	48.02	28.6	-0.105
SCOI	S	28	11.01	48.02	28.6	-0.327
CSC2	P	28	4.36	47.79	28.9	0.118
CSC2	S	28	11.21	47.79	28.9	-0.088
CET2	P	28	6.99	68.84	357.5	0.741
CET2	S	28	15.43	68.84	357.5	0.648
CUP2	P	28	7.57	71.34	42.4	0.310
CUP2	S	28	17.07	71.34	42.4	0.542
TDS	P	28	9.27	88.47	19.8	-0.279
ROI	P	28	9.78	88.89	34.1	0.127
ROI	S	28	21.15	88.89	34.1	0.474
MMNA	P	28	11.88	106.51	8.0	-0.504
MMNA	S	28	25.02	106.51	8.0	-0.392

**44** 140912 1943 24.9 - Piana batiale del Tirreno  
 Lat: 38.93 Lon: 15.33 Prof: 69.1 Km  
 ± 1.80 km ± 2.56 km ± 4.1 km  
 RMS: 0.52s GAP: 159.5° NR: 14

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	43	39.38	73.13	113.4	-0.341
VBL2	S	43	50.04	73.13	113.4	-0.472
SMIN	P	43	39.85	77.71	86.9	-0.367
SMIN	S	43	50.82	77.71	86.9	-0.547

**45** 140912 2047 19.7 - Canyon di Stromboli  
 Lat: 38.58 Lon: 15.44 Prof: 74.0 Km  
 ± 1.32 km ± 1.43 km ± 2.5 km  
 RMS: 0.31s GAP: 161.2° NR: 22

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	47	33.55	58.61	80.4	-0.091
VBL2	S	47	44.04	58.61	80.4	0.218
SMIN	P	47	35.46	80.65	57.8	-0.324
SMIN	S	47	47.71	80.65	57.8	0.171

**46** 140913 0642 32.0 - Bacino di Gioia  
 Lat: 38.72 Lon: 15.67 Prof: 153.9 Km  
 ± 1.48 km ± 2.69 km ± 3.4 km  
 RMS: 0.42s GAP: 163.5° NR: 39

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	42	53.90	54.84	60.6	-0.252
SMIN	S	43	9.88	54.84	60.6	-0.489
CET2	P	42	56.15	91.90	15.3	0.606
SCOI	P	42	56.40	79.80	39.0	0.978
SCOI	S	43	11.76	79.80	39.0	-0.809
ROI	P	42	58.94	121.13	39.5	0.557
ROI	S	43	17.12	121.13	39.5	-0.577

**47** 140913 1439 26.8 - Bacino di Gioia  
 Lat: 38.34 Lon: 15.45 Prof: 116.1 Km  
 ± 1.57 km ± 1.54 km ± 3.7 km  
 RMS: 0.46s GAP: 90.4° NR: 38

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	39	45.87	67.28	57.7	0.039
VBL2	S	40	-0.37	67.28	57.7	-0.079
SMIN	P	39	47.89	96.51	44.3	-0.247
SMIN	S	40	3.16	96.51	44.3	-0.534
CET2	P	39	51.91	138.02	18.5	0.816

**48** 140914 0845 44.7 - Alto Tirreno Cosentino  
 Lat: 39.91 Lon: 16.09 Prof: 6.5 Km  
 ± 0.89 km ± 0.30 km ± 0.3 km  
 RMS: 0.07s GAP: 244.9° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	45	46.83	4.90	239.8	0.038
MMN9	S	45	48.21	4.90	239.8	-0.043
MMNA	P	45	47.10	7.94	139.6	-0.066
MMNA	S	45	48.98	7.94	139.6	0.077
MMN	P	45	47.53	9.69	254.7	0.029
MMN	S	45	49.45	9.69	254.7	-0.033

**49** 140914 1702 25.7 - Maratea - Rotonda  
 Lat: 39.92 Lon: 16.09 Prof: 0.0 Km  
 ± 0.62 km ± 0.22 km ± 0.4 km  
 RMS: 0.10s GAP: 258.0° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	02	26.94	5.41	219.9	0.010
MMN9	S	02	27.73	5.41	219.9	-0.097
MMNA	P	02	27.80	9.74	142.6	-0.076
MMNA	S	02	29.59	9.74	142.6	0.123
MMN	P	02	27.87	9.57	243.6	0.027
MMN	S	02	29.46	9.57	243.6	0.053

**50** 140914 1720 37.5 - Maratea - Rotonda  
 Lat: 39.95 Lon: 15.99 Prof: 6.6 Km  
 ± 0.68 km ± 1.18 km ± 1.7 km  
 RMS: 0.29s GAP: 247.7° NR: 16

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	20	39.57	7.20	180.4	0.012
MMN	S	20	41.49	7.20	180.4	0.438
MMN9	P	20	39.86	8.72	144.6	0.064
MMN9	S	20	41.35	8.72	144.6	-0.117
MMNA	P	20	41.11	17.97	126.5	-0.374
MMNA	S	20	44.86	17.97	126.5	0.470

**51** 140914 1742 31.0 - Maratea - Rotonda  
 Lat: 39.93 Lon: 16.00 Prof: 7.7 Km  
 ± 3.36 km ± 1.30 km ± 1.5 km  
 RMS: 0.27s GAP: 293.8° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	42	33.10	5.36	188.9	0.139
MMN	S	42	34.22	5.36	188.9	-0.179
MMN9	P	42	33.26	6.73	140.6	0.120
MMN9	S	42	34.62	6.73	140.6	-0.091
MMNA	P	42	34.44	16.25	122.8	-0.260
MMNA	S	42	37.69	16.25	122.8	0.276

**52** 140915 0235 15.0 - Marchesato  
 Lat: 39.11 Lon: 17.02 Prof: 24.6 Km  
 ± 1.69 km ± 2.57 km ± 2.9 km  
 RMS: 0.44s GAP: 290.7° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
ROI	P	35	27.40	64.03	322.1	0.121
ROI	S	35	35.47	64.03	322.1	-0.784
SMIN	P	35	27.57	70.52	256.9	-0.571
SMIN	S	35	37.86	70.52	256.9	0.110