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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**

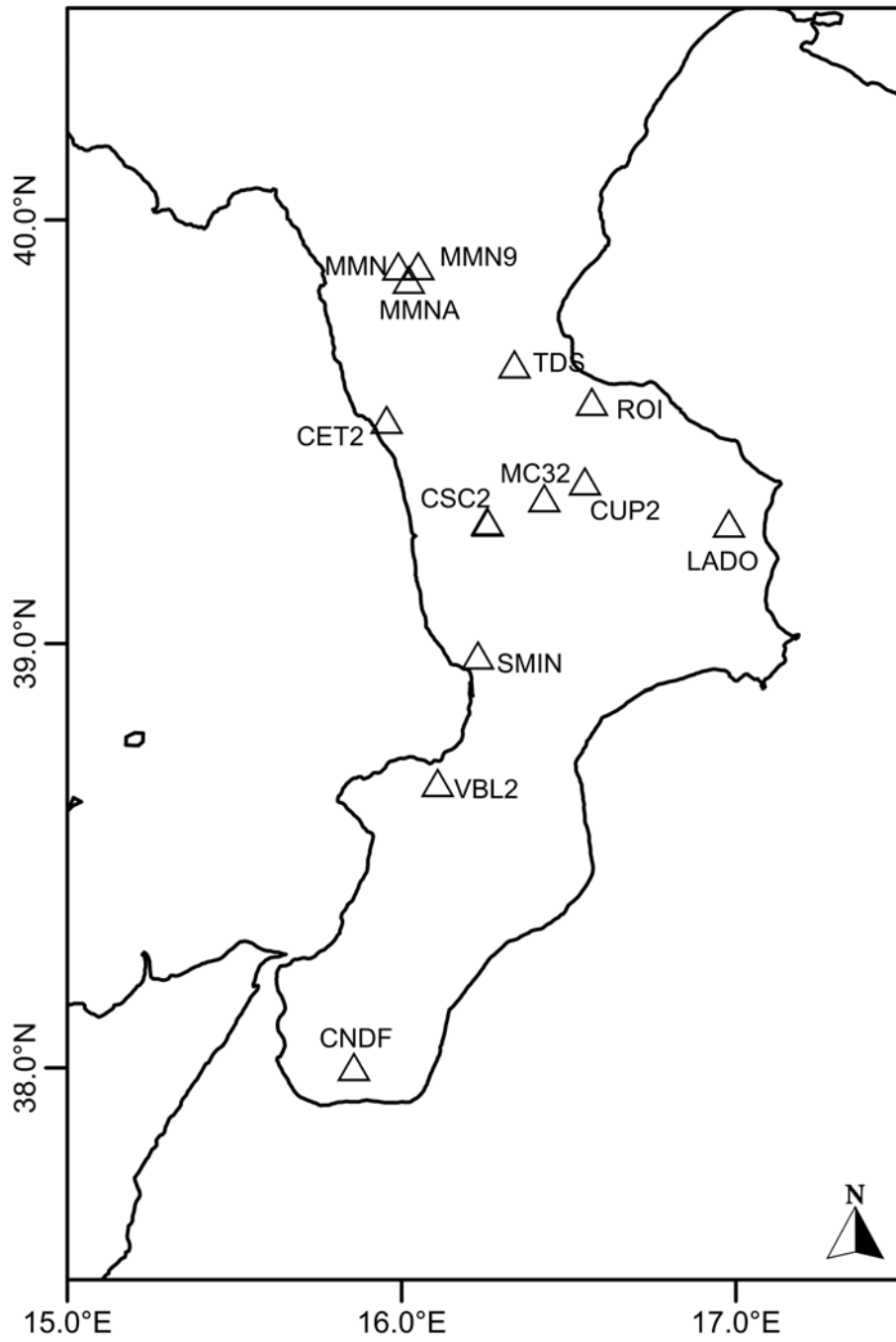
**E**

**DELLE AREE CIRCOSTANTI**

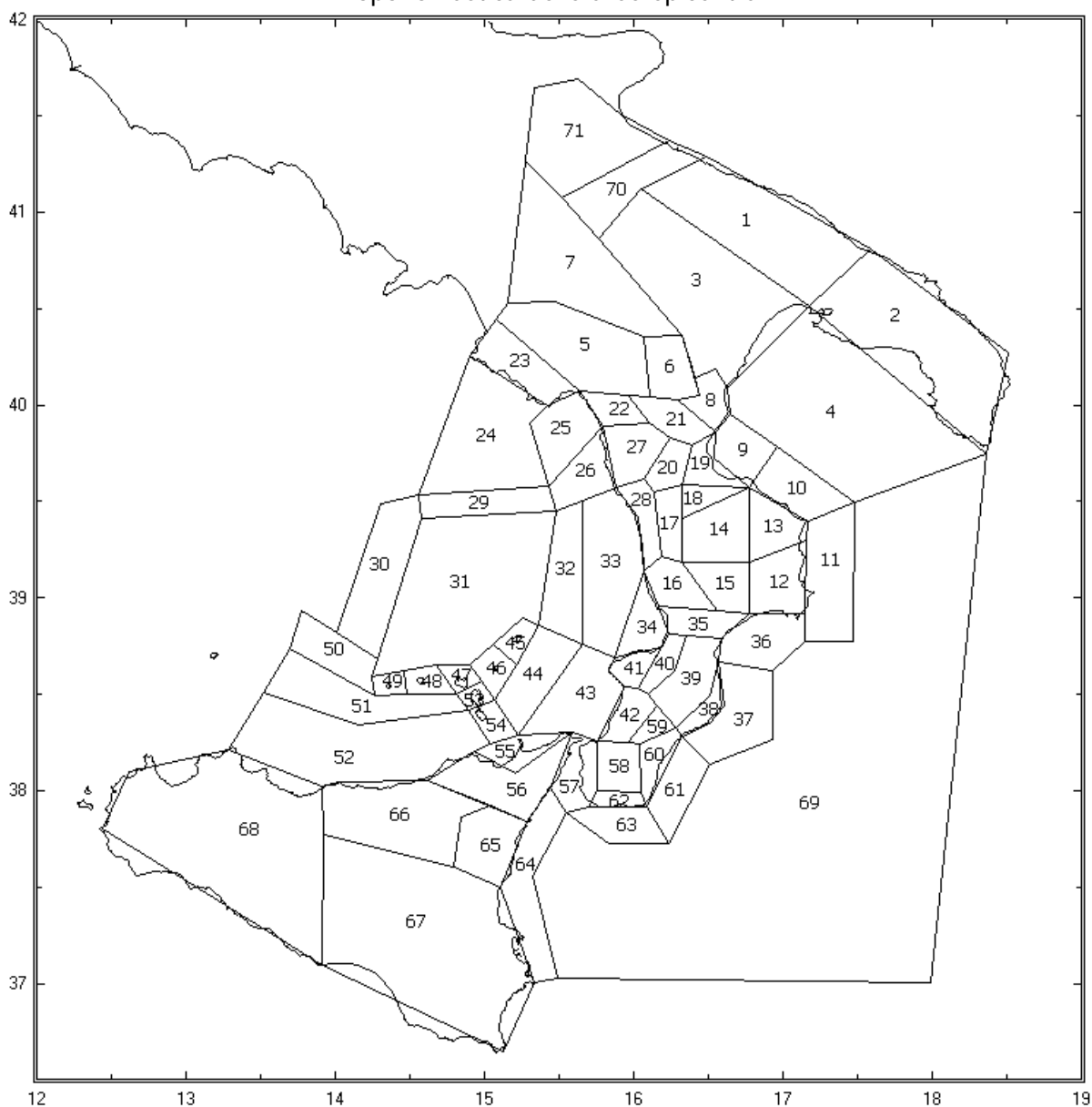
prodotto nell'ambito delle attività dell'O.R. 2.1

Periodo 16-30 Settembre 2014

Distribuzione delle stazioni della Rete Sismica UniCal – Pon MASSIMO



## Toponomastica delle aree epicentrali

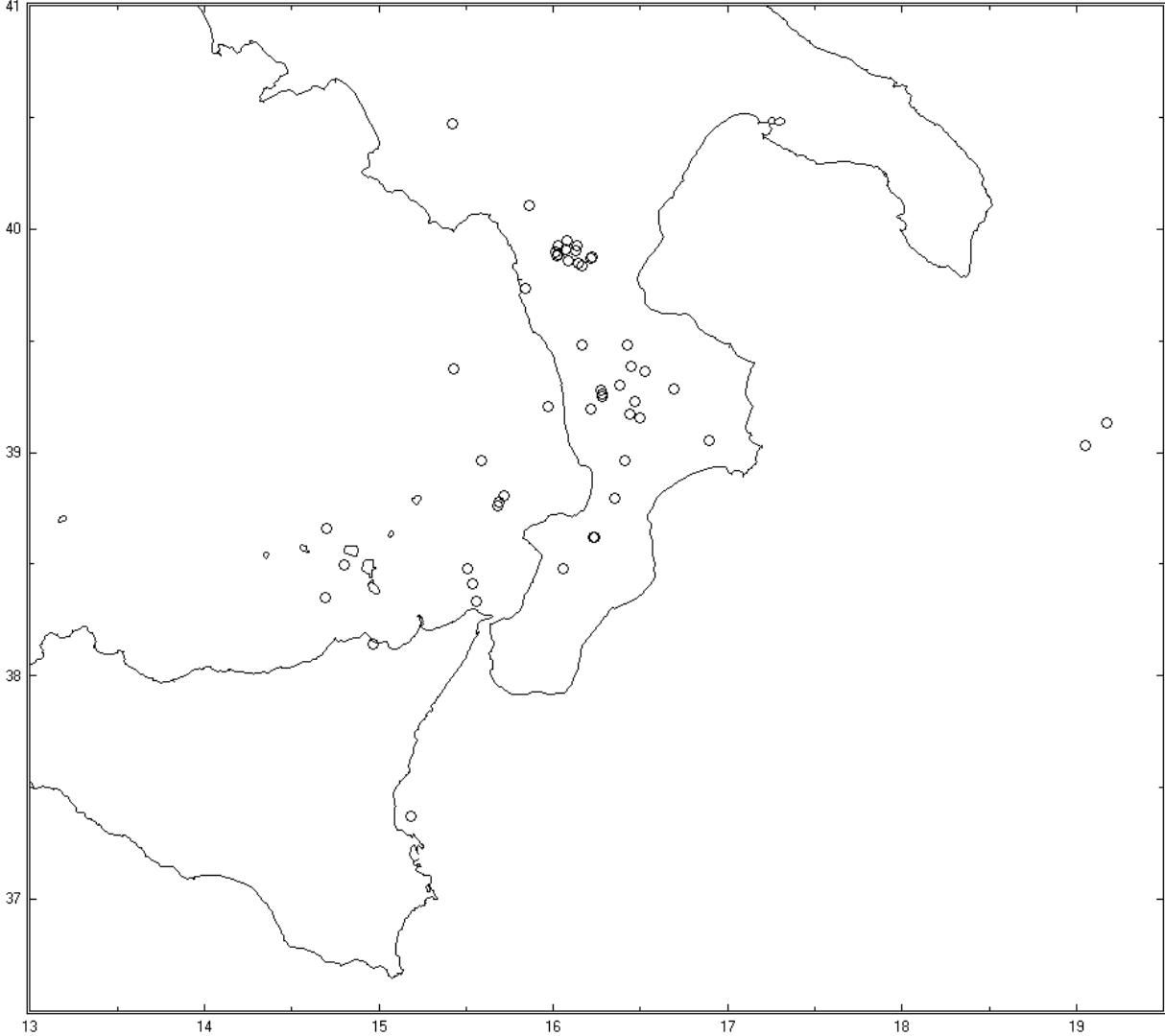


1 Murge	19 Piana di Sibari	37 Offshore Punta Stilo	55 Milazzo
2 Penisola Salentina	20 Valle dell'Esaro	38 Punta Stilo	56 Monti Peloritani
3 Piana del Bradano e del Basento	21 Catena del Pollino	39 Serre centro-settentrionali	57 Stretto di Messina
4 Golfo di Taranto	22 Marate - Rotonda	40 Valle del Mesima	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
140916	0210	15.9	39.1931	16.2124	18.9		0.46	1.42	1.22	8	157	0.21	0.08
140916	0516	32.5	39.8855	16.0272	4.9	1.6	0.46	0.50	1.92	24	91	0.33	0.08
140916	1012	57.1	39.8997	16.0124	6.7	2.0	0.52	0.71	2.04	24	61	0.35	0.07
140916	1042	11.5	39.8384	16.1646	12.1	1.9	0.83	0.83	1.91	15	130	0.33	0.11
140917	0000	23.6	38.7587	15.6780	96.1	3.2	0.55	0.85	3.37	109	73	0.42	0.04
140917	0306	23.8	39.2846	16.6945	14.7	1.4	0.50	0.72	1.94	26	129	0.33	0.10
140917	1236	14.1	39.9486	16.0773	0.0		2.37	1.02	1.80	6	275	0.40	0.55
140917	1338	54.2	38.9658	16.4094	13.3	1.5	0.41	0.54	1.83	25	103	0.32	0.07
140918	0151	55.1	39.8815	16.0197	6.9		0.44	0.43	0.74	8	133	0.13	0.05
140918	0319	51.2	39.2065	15.9668	54.4	1.6	0.78	1.66	2.50	21	172	0.32	0.11
140918	0459	1.8	38.4148	15.5395	132.0	2.5	1.29	1.81	3.20	59	102	0.39	0.06
140918	0825	27.3	38.4774	16.0575	19.2	2.4	0.51	0.68	2.39	39	85	0.41	0.07
140918	1501	37.4	39.4805	16.4278	11.9	1.4	0.45	0.43	1.54	21	62	0.26	0.06
140918	1829	4.1	39.9254	16.1395	0.0		3.66	2.13	2.59	6	273	0.58	0.86
140919	0007	20.4	39.8479	16.1425	5.9	1.3	0.92	0.81	2.11	12	134	0.47	0.15
140919	0355	12.2	39.1575	16.4936	14.3	1.1	0.29	0.24	0.67	10	99	0.12	0.04
140919	0525	34.3	39.8486	16.1455	2.7		2.13	3.58	2.18	6	264	0.49	0.69
140919	0532	37.7	38.4966	14.8034	12.9	3.1	0.70	0.64	3.07	51	101	0.47	0.09
140919	1128	44.7	39.3880	16.4441	13.3	1.4	0.52	0.40	1.26	20	57	0.22	0.05
140920	0408	26.5	39.3044	16.3800	10.6	1.4	0.47	0.58	2.17	28	76	0.37	0.07
140920	1056	1.4	38.7974	16.3544	11.0	1.7	0.63	0.88	2.19	15	103	0.38	0.11
140920	1152	38.2	38.6593	14.6983	311.1	3.0	3.05	2.44	2.08	38	191	0.24	0.10
140920	1958	46.5	39.9037	16.1296	8.0	1.0	0.85	0.85	2.31	16	106	0.51	0.15
140920	2142	42.1	40.1086	15.8642	13.0	1.2	0.87	0.93	2.51	15	112	0.43	0.13
140921	1738	10.3	39.1355	19.1704	5.7	3.5	4.12	5.09	2.66	43	283	0.59	0.71
140921	2158	5.9	39.1747	16.4406	15.0	0.9	0.80	0.92	2.20	15	103	0.38	0.13
140921	2326	58.4	38.8079	15.7191	101.1	2.1	1.15	2.05	2.56	27	158	0.32	0.08
140922	0147	7.2	39.0560	16.8900	44.1		6.50	10.01	7.20	6	300	0.90	1.35
140923	0848	12.4	38.7791	15.6853	96.9	2.8	0.59	0.91	3.19	90	92	0.40	0.05
140923	1056	53.7	38.3332	15.5579	123.3	2.2	3.48	3.93	4.53	16	132	0.57	0.14
140924	1539	9.1	39.7375	15.8382	20.0	3.0	0.43	0.71	3.16	90	89	0.49	0.06
140925	0127	48.2	39.8748	16.2209	5.3	1.4	0.52	0.42	1.46	18	63	0.32	0.08
140925	0236	6.4	39.8720	16.2184	5.7	1.5	0.91	0.53	1.64	14	107	0.36	0.10
140925	0530	28.2	39.9086	16.0705	4.9	2.0	0.62	0.59	1.50	16	97	0.33	0.09
140925	0753	41.2	39.3661	16.5284	35.0	1.4	2.04	2.10	3.79	17	94	0.58	0.15
140925	1223	18.9	39.0310	19.0489	95.7	3.4	7.14	3.38	4.29	40	338	0.54	0.49
140925	1633	54.1	37.3707	15.1866	1.4	2.5	1.70	2.82	0.53	10	346	0.12	0.22
140925	1745	23.5	38.1407	14.9659	113.5	2.1	2.23	2.62	3.31	15	126	0.41	0.12
140925	2036	24.1	38.3488	14.6960	224.6	2.8	3.77	2.29	3.86	34	151	0.45	0.12
140926	0320	33.7	39.2537	16.2798	12.0	1.7	0.21	0.29	1.03	29	64	0.18	0.04
140926	0345	1.1	39.2272	16.4665	14.6	1.9	0.57	0.68	2.78	32	61	0.48	0.09
140926	1232	24.3	38.6231	16.2272	23.7	2.1	0.63	0.88	2.52	28	95	0.43	0.09
140926	1243	1.6	38.6211	16.2350	21.4	1.7	0.81	0.77	1.37	13	141	0.24	0.12
140926	2123	2.8	39.2597	16.2830	12.6	1.9	0.38	0.38	1.16	20	74	0.20	0.05
140927	1348	29.6	39.4794	16.1614	269.8	2.5	3.74	6.50	4.87	21	103	0.57	0.13
140927	2124	58.1	39.9282	16.0266	5.3		0.82	0.25	0.40	6	267	0.07	0.11
140928	0123	14.1	39.8616	16.0853	5.0		0.76	0.25	0.27	6	199	0.06	0.05
140928	0706	6.1	40.4747	15.4200	15.2	2.6	0.50	0.75	2.62	50	69	0.45	0.09
140930	0439	2.5	39.2809	16.2720	20.3	1.5	0.98	0.60	1.16	9	109	0.20	0.11
140930	1629	29.4	38.4803	15.5076	127.2	2.3	1.38	1.84	3.64	43	101	0.44	0.09
140930	1958	11.8	38.9653	15.5879	208.8	2.9	1.16	2.29	3.77	62	132	0.44	0.07
140930	2108	32.0	39.3761	15.4292	301.1	3.1	2.07	3.37	4.05	51	135	0.47	0.10

Epicentri localizzati nel periodo di riferimento



# **BOLLETTINO**

1 140916 0210 15.8 - Amantea - M.Reventino  
 Lat: 39.19 Lon: 16.21 Prof: 18.9 Km  
 ± 0.46 km ± 1.42 km ± 1.2 km  
 RMS: 0.21s GAP: 157.2° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
SCOI	P	10	19.81	11.34	19.6	-0.078
SCOI	S	10	22.78	11.34	19.6	-0.060
SMIN	P	10	21.47	24.47	176.8	-0.033
SMIN	S	10	25.99	24.47	176.8	0.352
CET2	P	10	24.76	43.39	329.3	0.216
CET2	S	10	30.72	43.39	329.3	-0.184
VBL2	P	10	26.77	58.35	189.0	-0.035
VBL2	S	10	34.57	58.35	189.0	-0.251

2 140916 0516 32.4 - Alto Tirreno Cosentino  
 Lat: 39.88 Lon: 16.02 Prof: 4.9 Km  
 ± 0.46 km ± 0.50 km ± 1.9 km  
 RMS: 0.33s GAP: 91.7° NR: 24

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	16	33.84	3.18	280.8	0.020
MMN	S	16	34.65	3.18	280.8	-0.161
CET2	P	16	40.06	40.09	189.1	-0.065
CET2	S	16	45.63	40.09	189.1	-0.103

3 140916 1012 57.0 - Alto Tirreno Cosentino  
 Lat: 39.89 Lon: 16.01 Prof: 6.7 Km  
 ± 0.52 km ± 0.71 km ± 2.0 km  
 RMS: 0.35s GAP: 61.3° NR: 24

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	12	58.64	2.10	242.4	0.021
MMN	S	12	59.44	2.10	242.4	-0.316
CET2	P	13	5.00	41.47	187.0	0.025
CET2	S	13	10.55	41.47	187.0	-0.214
ROI	P	13	8.85	60.03	127.3	0.567
ROI	S	13	16.43	60.03	127.3	-0.068
SMIN	P	13	15.31	104.55	169.8	-0.297
SMIN	S	13	28.51	104.55	169.8	-0.671

4 140916 1042 11.5 - Alto Tirreno Cosentino  
 Lat: 39.83 Lon: 16.16 Prof: 12.1 Km  
 ± 0.83 km ± 0.83 km ± 1.9 km  
 RMS: 0.33s GAP: 130.1° NR: 15

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	42	14.68	11.43	301.4	-0.206
MMN9	S	42	17.07	11.43	301.4	-0.257
MMN	P	42	15.49	15.98	291.5	0.034
TDS	P	42	16.77	24.78	143.3	0.101
TDS	S	42	20.00	24.78	143.3	-0.415
CET2	P	42	19.19	38.81	207.8	-0.036
CET2	S	42	24.84	38.81	207.8	-0.009
ROI	P	42	20.13	45.61	130.4	-0.334
ROI	S	42	27.84	45.61	130.4	0.851

5 140917 0000 23.5 - Bacino di Paola  
 Lat: 38.75 Lon: 15.67 Prof: 96.1 Km  
 ± 0.55 km ± 0.85 km ± 3.4 km  
 RMS: 0.42s GAP: 73.4° NR: 09

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	00	38.38	38.56	104.4	0.052
VBL2	S	00	49.07	38.56	104.4	-0.073
SMIN	P	00	39.01	53.35	63.7	-0.232
SMIN	S	00	50.44	53.35	63.7	-0.287
SCOI	P	00	40.88	77.32	40.6	-0.164
SCOI	S	00	53.57	77.32	40.6	-0.278
CET2	P	00	41.93	88.77	15.9	0.543
CET2	S	00	55.10	88.77	15.9	0.657
CNDF	P	00	41.94	85.30	169.7	0.383
CNDF	S	00	55.33	85.30	169.7	0.594
MC32	P	00	42.47	91.78	45.1	0.116
MC32	S	00	56.04	91.78	45.1	-0.077
CUP2	P	00	43.92	102.37	47.4	0.579
CUP2	S	00	58.43	102.37	47.4	0.602
TDS	P	00	44.42	115.07	29.8	-0.311
TDS	S	01	-0.14	115.07	29.8	-0.375
ROI	P	00	45.59	118.66	40.5	0.526

ROI	S	01	1.22	118.66	40.5	0.409
MMN	P	00	45.64	128.55	12.4	-0.597
MMN	S	01	2.17	128.55	12.4	-0.674
MMN9	P	00	46.21	129.83	14.6	-0.197
MMN9	S	01	3.06	129.83	14.6	-0.078

6 140917 0306 23.7 - Sila Grande  
 Lat: 39.28 Lon: 16.69 Prof: 14.7 Km  
 ± 0.50 km ± 0.72 km ± 1.9 km  
 RMS: 0.33s GAP: 129.6° NR: 26

STN	PHASE	MN	SEC	DIST	AZM	RES
CUP2	P	06	28.06	16.72	310.8	0.022
CUP2	S	06	31.23	16.72	310.8	0.071
MC32	P	06	29.07	24.00	285.7	-0.018
MC32	S	06	32.85	24.00	285.7	-0.128
ROI	P	06	30.44	33.66	341.1	-0.249
ROI	S	06	35.48	33.66	341.1	-0.272
SCOI	P	06	31.94	37.80	270.6	0.845
SCOI	S	06	36.09	37.80	270.6	-0.363
TDS	P	06	33.01	51.73	323.4	-0.385
TDS	S	06	40.90	51.73	323.4	0.461
SMIN	P	06	33.38	53.13	229.2	-0.299
SMIN	S	06	41.60	53.13	229.2	0.670
CET2	P	06	36.81	69.25	293.0	0.190
CET2	S	06	46.32	69.25	293.0	0.298
VBL2	P	06	38.59	84.74	216.8	-0.438
VBL2	S	06	50.10	84.74	216.8	-0.095

7 140917 1236 14.0 - Catena del Pollino  
 Lat: 39.94 Lon: 16.07 Prof: 0.0 Km  
 ± 2.37 km ± 1.02 km ± 1.8 km  
 RMS: 0.40s GAP: 275.1° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	36	15.12	6.70	200.2	-0.449
MMN9	S	36	16.63	6.70	200.2	-0.041
MMN	P	36	16.55	9.79	229.3	0.302
MMN	S	36	17.96	9.79	229.3	0.112
MMNA	P	36	16.71	12.15	144.4	-0.056
MMNA	S	36	19.08	12.15	144.4	0.335

8 140917 1338 54.1 - Amantea - M.Reventino  
 Lat: 38.96 Lon: 16.40 Prof: 13.3 Km  
 ± 0.41 km ± 0.54 km ± 1.8 km  
 RMS: 0.32s GAP: 103.4° NR: 25

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	38	58.07	15.72	272.8	0.027
SMIN	S	39	0.67	15.72	272.8	-0.198
SCOI	P	39	1.87	38.27	339.7	0.366
SCOI	S	39	7.07	38.27	339.7	0.205
VBL2	P	39	2.18	41.66	218.9	0.080
VBL2	S	39	7.47	41.66	218.9	-0.427
ROI	P	39	7.40	68.68	11.4	0.416
ROI	S	39	15.73	68.68	11.4	-0.625
CET2	P	39	7.52	73.81	327.9	-0.250
CET2	S	39	17.78	73.81	327.9	0.064

9 140918 0151 55.1 - Alto Tirreno Cosentino  
 Lat: 39.88 Lon: 16.01 Prof: 6.9 Km  
 ± 0.44 km ± 0.43 km ± 0.7 km  
 RMS: 0.13s GAP: 133.7° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	51	56.65	2.86	66.4	-0.133
MMN9	S	51	57.87	2.86	66.4	-0.133
MMN	P	51	56.84	2.69	292.8	0.101
MMN	S	51	58.02	2.69	292.8	0.093
MMNA	P	51	58.07	12.26	101.5	-0.008
MMNA	S	52	0.44	12.26	101.5	0.192
CET2	P	52	2.67	39.55	188.3	-0.027
CET2	S	52	8.23	39.55	188.3	-0.016

10 140918 0320 51.2 - Bacino di Paola  
 Lat: 39.20 Lon: 15.96 Prof: 54.4 Km  
 ± 0.78 km ± 1.66 km ± 2.5 km  
 RMS: 0.32s GAP: 172.2° NR: 21

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	20	1.03	34.40	139.0	-0.088
SMIN	S	20	8.24	34.40	139.0	-0.137
CET2	P	20	1.21	35.80	358.5	0.437
CET2	S	20	8.39	35.80	358.5	0.612
VBL2	P	20	3.47	60.38	168.4	-0.138
VBL2	S	20	12.53	60.38	168.4	-0.159
ROI	P	20	4.22	65.86	52.0	-0.027
ROI	S	20	14.27	65.86	52.0	0.472

**11** 140918 0459 01.8 - Bacino di Gioia  
 Lat: 38.41 Lon: 15.53 Prof: 132.0 Km  
 ± 1.29 km ± 1.81 km ± 3.2 km  
 RMS: 0.39s GAP: 102.9° NR: 59

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	59	21.53	57.28	60.1	-0.197
VBL2	S	59	35.39	57.28	60.1	-0.887
SMIN	P	59	23.17	86.18	44.3	-0.413
SMIN	S	59	38.82	86.18	44.3	-0.671
CET2	P	59	26.52	128.79	16.5	0.212
CET2	S	59	44.38	128.79	16.5	0.168
CUP2	P	59	28.03	138.62	39.3	0.060
CUP2	S	59	47.04	138.62	39.3	-0.048
TDS	P	59	29.19	154.47	26.7	-0.464
ROI	P	59	30.29	156.38	34.9	0.548
ROI	S	59	50.58	156.38	34.9	0.421

**12** 140918 0825 27.3 - Piana di Gioia  
 Lat: 38.47 Lon: 16.05 Prof: 19.2 Km  
 ± 0.51 km ± 0.68 km ± 2.4 km  
 RMS: 0.41s GAP: 85.1° NR: 39

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	25	32.87	22.23	11.5	0.134
VBL2	S	25	37.65	22.23	11.5	0.974
SMIN	P	25	38.47	56.97	15.2	0.356
SMIN	S	25	46.64	56.97	15.2	0.650
SCOI	P	25	43.77	91.76	10.9	-0.136
SCOI	S	25	55.86	91.76	10.9	-0.163
CUP2	P	25	46.05	109.20	22.9	-0.952
CUP2	S	26	1.84	109.20	22.9	0.453
CET2	P	25	46.99	117.05	355.8	-0.041
CET2	S	26	1.60	117.05	355.8	0.163

**13** 140918 1501 37.3 - Sila Greca  
 Lat: 39.48 Lon: 16.42 Prof: 11.9 Km  
 ± 0.45 km ± 0.43 km ± 1.5 km  
 RMS: 0.26s GAP: 62.0° NR: 21

STN	PHASE	MN	SEC	DIST	AZM	RES
CUP2	P	01	41.09	14.95	136.0	-0.014
CUP2	S	01	43.97	14.95	136.0	0.139
MC32	P	01	41.20	15.16	180.2	0.043
MC32	S	01	43.75	15.16	180.2	-0.168
ROI	P	01	41.30	15.83	50.0	0.036
ROI	S	01	44.05	15.83	50.0	-0.056
CET2	P	01	45.31	41.04	277.5	-0.029
CET2	S	01	51.44	41.04	277.5	0.275

**14** 140918 1829 04.0 - Catena del Pollino  
 Lat: 39.92 Lon: 16.13 Prof: 0.0 Km  
 ± 3.66 km ± 2.13 km ± 2.6 km  
 RMS: 0.58s GAP: 273.1° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	29	5.39	8.48	244.1	-0.572
MMN9	S	29	7.03	8.48	244.1	-0.321
MMNA	P	29	5.65	7.50	166.4	-0.090
MMNA	S	29	7.23	7.50	166.4	0.262
MMN	P	29	7.53	13.29	253.3	0.507
MMN	S	29	9.56	13.29	253.3	0.371

**15** 140919 0007 20.3 - Alto Tirreno Cosentino  
 Lat: 39.84 Lon: 16.14 Prof: 5.9 Km  
 ± 0.92 km ± 0.81 km ± 2.1 km  
 RMS: 0.47s GAP: 134.4° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	07	22.68	9.26	301.8	-0.285
MMN9	S	07	24.10	9.26	301.8	-0.749
MMN	P	07	24.54	13.83	290.2	0.723
MMN	S	07	26.74	13.83	290.2	0.416
CET2	P	07	28.26	38.92	204.6	0.001
CET2	S	07	33.24	38.92	204.6	-0.777

**16** 140919 0355 12.2 - Sila Piccola  
 Lat: 39.15 Lon: 16.49 Prof: 14.3 Km  
 ± 0.29 km ± 0.24 km ± 0.7 km  
 RMS: 0.12s GAP: 99.8° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	55	18.32	30.78	228.2	-0.116
SMIN	S	55	23.04	30.78	228.2	0.061

**17** 140919 0525 34.2 - Alto Tirreno Cosentino  
 Lat: 39.84 Lon: 16.14 Prof: 2.7 Km  
 ± 2.13 km ± 3.58 km ± 2.2 km  
 RMS: 0.49s GAP: 264.2° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	25	36.35	9.44	300.6	-0.178
MMN9	S	25	37.53	9.44	300.6	-0.651
MMN	P	25	37.98	14.05	289.6	0.488
MMN	S	25	40.11	14.05	289.6	0.259
CET2	P	25	42.54	39.10	204.9	-0.032
CET2	S	25	48.49	39.10	204.9	-0.160

**18** 140919 0532 37.7 - Bacino di Alicudi  
 Lat: 38.49 Lon: 14.80 Prof: 12.9 Km  
 ± 0.70 km ± 0.64 km ± 3.1 km  
 RMS: 0.47s GAP: 101.3° NR: 51

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	32	56.62	115.35	80.7	-0.558
VBL2	S	33	11.60	115.35	80.7	0.183
SMIN	P	32	59.24	134.70	67.3	-0.512
SMIN	S	33	15.54	134.70	67.3	-0.334
CET2	P	33	1.19	151.89	41.6	0.928
CET2	S	33	17.29	151.89	41.6	0.532
ROI	P	33	8.08	193.96	52.4	0.841
ROI	S	33	28.96	193.96	52.4	0.118

**19** 140919 1128 44.6 - Sila Grande  
 Lat: 39.38 Lon: 16.44 Prof: 13.3 Km  
 ± 0.52 km ± 0.40 km ± 1.3 km  
 RMS: 0.22s GAP: 57.9° NR: 20

STN	PHASE	MN	SEC	DIST	AZM	RES
MC32	P	28	47.74	5.10	196.8	0.144
MC32	S	28	49.46	5.10	196.8	-0.266
CUP2	P	28	48.05	8.97	93.0	0.178
CUP2	S	28	50.33	8.97	93.0	0.126
TDS	P	28	51.06	31.50	343.0	0.163
CET2	P	28	53.25	44.93	290.4	-0.102
CET2	S	28	59.33	44.93	290.4	-0.368

**20** 140920 0408 26.4 - Sila Grande  
 Lat: 39.30 Lon: 16.38 Prof: 10.6 Km  
 ± 0.47 km ± 0.58 km ± 2.2 km  
 RMS: 0.37s GAP: 76.3° NR: 28

STN	PHASE	MN	SEC	DIST	AZM	RES
MC32	P	08	28.80	5.97	42.5	-0.207
MC32	S	08	30.18	5.97	42.5	-0.692
SCOI	P	08	29.64	10.78	261.0	0.318
SCOI	S	08	31.55	10.78	261.0	0.134
CUP2	P	08	30.47	16.94	58.7	0.125
CUP2	S	08	33.47	16.94	58.7	0.282
ROI	P	08	33.59	33.86	28.6	0.368
ROI	S	08	39.00	33.86	28.6	0.828
TDS	P	08	33.66	39.59	354.6	-0.222
TDS	S	08	39.30	39.59	354.6	-0.015
SMIN	P	08	34.15	39.06	199.6	0.309
SMIN	S	08	39.00	39.06	199.6	-0.244
CET2	P	08	34.78	44.30	304.3	-0.152



CET2 S 08 41.19 44.30 304.3 0.057

**21** 140920 1056 01.3 - Valle del Mesima  
 Lat: 38.79 Lon: 16.35 Prof: 11.0 Km  
 ± 0.63 km ± 0.88 km ± 2.2 km  
 RMS: 0.38s GAP: 103.5° NR: 15

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	56	6.19	22.34	330.6	0.143
SMIN	S	56	10.34	22.34	330.6	0.869
VBL2	P	56	6.56	25.44	237.4	0.025
VBL2	S	56	10.62	25.44	237.4	0.305

**22** 140920 1152 38.1 - Salina  
 Lat: 38.65 Lon: 14.69 Prof: 311.1 Km  
 ± 3.05 km ± 2.44 km ± 2.1 km  
 RMS: 0.24s GAP: 191.9° NR: 38

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	53	20.91	137.36	75.8	-0.585
ROI	P	53	24.94	190.90	58.3	0.431
ROI	S	53	58.55	190.90	58.3	0.110

**23** 140920 1958 46.5 - Alto Tirreno Cosentino  
 Lat: 39.90 Lon: 16.12 Prof: 8.0 Km  
 ± 0.85 km ± 0.85 km ± 2.3 km  
 RMS: 0.51s GAP: 106.9° NR: 16

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	58	48.56	6.90	259.1	-0.327
MMN9	S	58	49.88	6.90	259.1	-0.718
MMN	P	58	50.53	11.97	263.2	0.981
MMN	S	58	52.57	11.97	263.2	0.826
CET2	P	58	54.95	44.25	200.0	-0.108
CET2	S	59	0.60	44.25	200.0	-0.687

**24** 140920 2142 42.0 - Vallo di Diano  
 Lat: 40.10 Lon: 15.86 Prof: 13.0 Km  
 ± 0.87 km ± 0.93 km ± 2.5 km  
 RMS: 0.43s GAP: 112.4° NR: 15

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	42	54.31	64.83	173.4	0.189
CET2	S	43	2.73	64.83	173.4	-0.206

**25** 140921 1738 10.2 -  
 Lat: 39.13 Lon: 19.17 Prof: 5.7 Km  
 ± 4.12 km ± 5.09 km ± 2.7 km  
 RMS: 0.59s GAP: 283.0° NR: 43

STN	PHASE	MN	SEC	DIST	AZM	RES
CUP2	P	38	47.26	228.02	275.9	0.697
CUP2	S	39	13.35	228.02	275.9	0.234
SMIN	P	38	49.86	255.35	265.0	0.000
SMIN	S	39	17.80	255.35	265.0	0.000
VBL2	P	38	51.97	270.58	258.2	0.000
VBL2	S	39	20.30	270.58	258.2	0.000
CET2	P	38	53.19	280.71	278.1	0.000
CET2	S	39	23.09	280.71	278.1	0.000

**26** 140921 2158 05.8 - Sila Piccola  
 Lat: 39.17 Lon: 16.44 Prof: 15.0 Km  
 ± 0.80 km ± 0.92 km ± 2.2 km  
 RMS: 0.38s GAP: 103.8° NR: 15

STN	PHASE	MN	SEC	DIST	AZM	RES
MC32	P	58	10.21	18.83	356.3	-0.262
MC32	S	58	13.22	18.83	356.3	-0.624
SCOI	P	58	10.83	20.36	308.6	0.324
SCOI	S	58	14.61	20.36	308.6	0.714
CUP2	P	58	11.64	24.96	21.7	0.308
CUP2	S	58	15.57	24.96	21.7	0.241
SMIN	P	58	12.02	28.97	219.3	0.182
SMIN	S	58	15.64	28.97	219.3	-0.570
CET2	P	58	16.71	57.45	313.2	-0.005
CET2	S	58	23.88	57.45	313.2	-0.771

**27** 140921 2327 58.4 - Bacino di Paola  
 Lat: 38.80 Lon: 15.71 Prof: 101.1 Km  
 ± 1.15 km ± 2.05 km ± 2.6 km  
 RMS: 0.32s GAP: 158.5° NR: 27

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	27	13.78	36.94	114.0	0.094
VBL2	S	27	25.39	36.94	114.0	0.520
SMIN	P	27	14.07	47.82	67.6	-0.229
SMIN	S	27	25.44	47.82	67.6	-0.493
CET2	P	27	16.62	82.58	14.5	0.454
CET2	S	27	29.75	82.58	14.5	0.591

**28** 140922 0147 07.1 - Marchesato  
 Lat: 39.05 Lon: 16.89 Prof: 44.1 Km  
 ± 6.50 km ± 10.01 km ± 7.2 km  
 RMS: 0.90s GAP: 300.0° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MC32	P	47	17.33	51.21	308.4	-0.828
MC32	S	47	27.17	51.21	308.4	0.958
CUP2	P	47	18.23	46.82	320.6	0.590
CUP2	S	47	24.63	46.82	320.6	-0.684
SMIN	P	47	19.20	58.05	260.7	0.238
SMIN	S	47	27.33	58.05	260.7	-0.274

**29** 140923 0848 12.4 - Bacino di Paola  
 Lat: 38.77 Lon: 15.68 Prof: 96.9 Km  
 ± 0.59 km ± 0.91 km ± 3.2 km  
 RMS: 0.40s GAP: 92.5° NR: 90

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	48	27.40	38.56	107.9	0.128
VBL2	S	48	37.77	38.56	107.9	-0.386
SMIN	P	48	27.87	51.79	65.6	-0.207
SMIN	S	48	38.95	51.79	65.6	-0.600
SCOI	P	48	29.10	75.18	41.3	-0.689
SCOI	S	48	42.21	75.18	41.3	-0.306
CSC2	P	48	29.74	75.02	41.5	-0.042
CSC2	S	48	42.29	75.02	41.5	-0.213
CET2	P	48	30.78	86.42	15.9	0.677
CET2	S	48	43.87	86.42	15.9	0.811
MC32	P	48	31.38	89.73	45.8	0.296
MC32	S	48	44.64	89.73	45.8	-0.118
TDS	P	48	33.10	112.79	30.1	-0.304
TDS	S	48	48.41	112.79	30.1	-0.366
ROI	P	48	34.33	116.52	41.0	0.580
ROI	S	48	49.54	116.52	41.0	0.166
MMN9	P	48	35.06	127.48	14.5	0.002
MMN9	S	48	50.80	127.48	14.5	-0.841

**30** 140923 1057 53.6 - Bacino di Gioia  
 Lat: 38.33 Lon: 15.55 Prof: 123.3 Km  
 ± 3.48 km ± 3.93 km ± 4.5 km  
 RMS: 0.57s GAP: 132.4° NR: 16

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	57	15.40	91.90	39.6	0.174
SMIN	S	57	30.40	91.90	39.6	-0.592
CET2	P	57	19.22	137.10	14.8	0.860

**31** 140924 1539 09.1 - Alto Tirreno Cosentino  
 Lat: 39.73 Lon: 15.83 Prof: 20.0 Km  
 ± 0.43 km ± 0.71 km ± 3.2 km  
 RMS: 0.49s GAP: 89.7° NR: 90

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	39	14.57	21.45	37.7	0.127
MMN	S	39	18.14	21.45	37.7	-0.179
CET2	P	39	15.76	25.23	156.9	0.920
CET2	S	39	20.00	25.23	156.9	0.990
TDS	P	39	17.66	43.68	101.5	0.151
TDS	S	39	23.52	43.68	101.5	-0.110
SCOI	P	39	20.31	61.40	144.3	0.052
SCOI	S	39	28.37	61.40	144.3	-0.021
ROI	P	39	20.92	65.38	106.4	-0.029
ROI	S	39	28.91	65.38	106.4	-0.681
MC32	P	39	21.30	66.86	130.9	0.235
MC32	S	39	30.00	66.86	130.9	0.210
CUP2	P	39	22.15	72.58	122.8	0.304

CUP2 S 39 31.90 72.58 122.8 0.760  
 SMIN P 39 23.68 91.30 158.5 -0.904  
 SMIN S 39 35.18 91.30 158.5 -0.702  
 LADO P 39 27.47 110.30 117.1 0.793  
 LADO S 39 39.94 110.30 117.1 0.431  
 VBL2 P 39 27.81 120.37 169.0 -0.714  
 VBL2 S 39 41.97 120.37 169.0 -0.736  
 CNDF P 39 37.28 192.53 179.8 -0.274  
 CNDF S 39 58.62 192.53 179.8 0.272

**32** 140925 0127 48.2 - Catena del Pollino  
 Lat: 39.87 Lon: 16.22 Prof: 5.3 Km  
 ± 0.52 km ± 0.42 km ± 1.5 km  
 RMS: 0.32s GAP: 63.9° NR: 18

STN	PHASE	MN	SEC	DIST	AZM	RES
MMNA	P	27	50.13	5.46	252.1	0.112
MMNA	S	27	51.22	5.46	252.1	-0.109
MMN9	P	27	51.85	14.71	277.5	0.064
MMN9	S	27	54.37	14.71	277.5	-0.021
MMN	P	27	52.80	19.77	275.3	0.112
MMN	S	27	56.62	19.77	275.3	0.666
TDS	P	27	53.97	25.91	157.3	0.354
TDS	S	27	58.10	25.91	157.3	0.538
ROI	P	27	57.43	44.98	138.3	0.108
ROI	S	28	3.77	44.98	138.3	-0.210

**33** 140925 0236 06.3 - Catena del Pollino  
 Lat: 39.87 Lon: 16.21 Prof: 5.7 Km  
 ± 0.91 km ± 0.53 km ± 1.6 km  
 RMS: 0.36s GAP: 107.6° NR: 14

STN	PHASE	MN	SEC	DIST	AZM	RES
MMNA	P	36	8.36	5.17	254.7	0.183
MMNA	S	36	9.41	5.17	254.7	-0.096
MMN9	P	36	10.02	14.54	278.8	0.095
MMN9	S	36	12.63	14.54	278.8	0.098
MMN	P	36	10.66	19.60	276.2	-0.095
MMN	S	36	14.09	19.60	276.2	0.117
TDS	P	36	12.39	25.70	156.6	0.715

**34** 140925 0530 28.1 - Alto Tirreno Cosentino  
 Lat: 39.90 Lon: 16.07 Prof: 4.9 Km  
 ± 0.62 km ± 0.59 km ± 1.5 km  
 RMS: 0.33s GAP: 97.5° NR: 16

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	30	29.59	2.53	222.9	-0.032
MMN9	S	30	30.17	2.53	222.9	-0.502
MMN	P	30	30.56	7.11	254.0	0.338
MMN	S	30	31.83	7.11	254.0	0.117
TDS	P	30	35.82	35.88	140.5	0.497
CET2	P	30	36.75	43.32	193.4	-0.183
CET2	S	30	42.72	43.32	193.4	-0.616

**35** 140925 0753 41.2 - Sila Grande  
 Lat: 39.36 Lon: 16.52 Prof: 35.0 Km  
 ± 2.04 km ± 2.10 km ± 3.8 km  
 RMS: 0.58s GAP: 94.7° NR: 17

STN	PHASE	MN	SEC	DIST	AZM	RES
CUP2	P	53	47.60	2.56	41.3	0.075
CUP2	S	53	51.14	2.56	41.3	-0.989
MC32	P	53	48.43	9.09	254.2	0.698
MC32	S	53	51.85	9.09	254.2	-0.637
ROI	P	53	49.42	23.10	8.5	0.742
ROI	S	53	53.72	23.10	8.5	-0.405
CET2	P	53	50.52	52.59	290.1	-0.771

**36** 140925 1223 18.9 -  
 Lat: 39.03 Lon: 19.04 Prof: 95.7 Km  
 ± 7.14 km ± 3.38 km ± 4.3 km  
 RMS: 0.54s GAP: 338.6° NR: 40

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	23	47.45	181.10	277.8	0.336
LADO	S	24	8.07	181.10	277.8	0.315
ROI	P	23	51.64	222.18	284.7	-0.687
ROI	S	24	17.39	222.18	284.7	0.602
CUP2	P	23	52.78	219.54	279.3	0.870

CUP2 S 24 15.35 219.54 279.3 -0.714  
 MC32 P 23 53.25 229.21 277.8 0.158  
 MC32 S 24 17.86 229.21 277.8 -0.251  
 SMIN P 23 54.89 244.45 267.6 -0.285  
 SMIN S 24 22.19 244.45 267.6 0.470  
 VBL2 P 23 57.43 258.38 260.3 0.000  
 VBL2 S 24 25.63 258.38 260.3 0.000  
 CET2 P 23 58.77 272.67 280.9 0.000  
 CET2 S 24 28.30 272.67 280.9 0.000  
 MMNA P 24 3.05 265.16 289.4 0.000  
 MMNA S 24 32.10 265.16 289.4 0.000

**37** 140925 1634 54.1 - Coste Sicilia Or.  
 Lat: 37.37 Lon: 15.18 Prof: 1.4 Km  
 ± 1.70 km ± 2.82 km ± 0.5 km  
 RMS: 0.12s GAP: 346.5° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	34	23.42	165.72	29.6	-0.055
VBL2	S	34	45.01	165.72	29.6	0.064
CET2	P	34	32.10	248.76	16.0	0.056
CET2	S	35	-0.27	248.76	16.0	-0.064
CUP2	P	34	35.46	253.11	28.3	0.000
CUP2	S	35	4.16	253.11	28.3	0.000
ROI	P	34	38.01	272.49	26.5	0.000
ROI	S	35	9.83	272.49	26.5	0.000
LADO	P	34	40.64	263.94	36.5	0.000
LADO	S	35	12.87	263.94	36.5	0.000

**38** 140925 1745 23.4 - M. Peloritani  
 Lat: 38.14 Lon: 14.96 Prof: 113.5 Km  
 ± 2.23 km ± 2.62 km ± 3.3 km  
 RMS: 0.41s GAP: 126.8° NR: 15

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	45	48.82	143.66	50.4	-0.182
SMIN	S	46	7.06	143.66	50.4	-0.638
CET2	P	45	52.18	176.39	29.6	0.727
CET2	S	46	12.26	176.39	29.6	0.318

**39** 140925 2036 24.0 - Bacino di Cefalu'  
 Lat: 38.34 Lon: 14.69 Prof: 224.6 Km  
 ± 3.77 km ± 2.29 km ± 3.9 km  
 RMS: 0.45s GAP: 151.1° NR: 34

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	36	58.66	128.32	74.2	0.544
VBL2	S	37	23.22	128.32	74.2	0.179
SMIN	P	36	59.25	150.28	63.0	-0.313
SMIN	S	37	25.18	150.28	63.0	-0.374
CET2	P	37	0.98	170.49	40.4	0.773

**40** 140926 0320 33.7 - Valle del Crati  
 Lat: 39.25 Lon: 16.27 Prof: 12.0 Km  
 ± 0.21 km ± 0.29 km ± 1.0 km  
 RMS: 0.18s GAP: 64.7° NR: 29

STN	PHASE	MN	SEC	DIST	AZM	RES
SCOI	P	20	36.33	4.43	332.9	0.182
SCOI	S	20	37.80	4.43	332.9	-0.128
MC32	P	20	37.73	16.16	51.6	0.088
MC32	S	20	40.20	16.16	51.6	-0.314
CUP2	P	20	39.50	27.25	58.0	0.189
CUP2	S	20	43.57	27.25	58.0	0.165
SMIN	P	20	39.96	31.49	188.1	0.060
SMIN	S	20	44.27	31.49	188.1	-0.155
CET2	P	20	41.69	41.44	317.5	-0.055
CET2	S	20	47.52	41.44	317.5	-0.101
ROI	P	20	42.16	43.22	35.1	0.037
ROI	S	20	48.05	43.22	35.1	-0.225
TDS	P	20	42.33	45.31	6.2	0.175
TDS	S	20	48.10	45.31	6.2	-0.231
VBL2	P	20	45.86	66.08	193.1	0.141
VBL2	S	20	54.02	66.08	193.1	-0.483

**41** 140926 0345 01.1 - Sila Grande  
 Lat: 39.22 Lon: 16.46 Prof: 14.6 Km  
 ± 0.57 km ± 0.68 km ± 2.8 km  
 RMS: 0.48s GAP: 61.6° NR: 32

STN	PHASE	MN	SEC	DIST	AZM	RES
MC32	P	45	4.93	13.40	345.1	-0.055
MC32	S	45	7.64	13.40	345.1	-0.174
SCOI	P	45	5.52	19.39	290.7	-0.056
SCOI	S	45	8.67	19.39	290.7	-0.166
CUP2	P	45	5.80	18.72	21.9	0.159
CUP2	S	45	9.24	18.72	21.9	0.290
SMIN	P	45	7.98	34.95	216.1	-0.035
SMIN	S	45	13.24	34.95	216.1	0.177
ROI	P	45	8.33	39.26	12.9	-0.629
ROI	S	45	13.94	39.26	12.9	-0.756
LADO	P	45	9.32	44.71	81.6	-0.279
LADO	S	45	16.12	44.71	81.6	0.313
CET2	P	45	10.97	55.37	307.2	-0.629
CET2	S	45	18.65	55.37	307.2	-0.620
VBL2	P	45	13.66	68.85	206.8	-0.006
VBL2	S	45	22.93	68.85	206.8	0.080
MMN9	P	45	16.80	82.00	334.1	0.825
MMN9	S	45	27.36	82.00	334.1	0.511

**42** 140926 1232 24.2 - Valle del Mesima  
 Lat: 38.62 Lon: 16.22 Prof: 23.7 Km  
 ± 0.63 km ± 0.88 km ± 2.5 km  
 RMS: 0.43s GAP: 95.2° NR: 28

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	32	28.58	11.80	298.5	-0.523
VBL2	S	32	32.33	11.80	298.5	-0.316
SCOI	P	32	37.95	73.99	2.0	-0.051
SCOI	S	32	47.95	73.99	2.0	-0.108
CUP2	P	32	40.69	88.87	18.1	0.080
CUP2	S	32	52.04	88.87	18.1	-0.537
CET2	P	32	41.53	103.27	346.9	-0.245
CET2	S	32	53.68	103.27	346.9	-0.918

**43** 140926 1243 01.5 - Valle del Mesima  
 Lat: 38.62 Lon: 16.23 Prof: 21.4 Km  
 ± 0.81 km ± 0.77 km ± 1.4 km  
 RMS: 0.24s GAP: 141.4° NR: 13

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	43	6.32	12.51	297.9	0.211
VBL2	S	43	9.24	12.51	297.9	-0.198

**44** 140926 2123 02.7 - Valle del Crati  
 Lat: 39.25 Lon: 16.28 Prof: 12.6 Km  
 ± 0.38 km ± 0.38 km ± 1.2 km  
 RMS: 0.20s GAP: 74.9° NR: 20

STN	PHASE	MN	SEC	DIST	AZM	RES
SCOI	P	23	5.50	4.00	325.0	0.204
SCOI	S	23	6.95	4.00	325.0	-0.175
MC32	P	23	6.88	15.53	52.9	0.190
MC32	S	23	9.43	15.53	52.9	-0.118
SMIN	P	23	9.11	32.19	188.5	-0.012
SMIN	S	23	13.40	32.19	188.5	-0.356
TDS	P	23	10.77	44.62	6.0	-0.362
CET2	P	23	10.86	41.14	316.6	0.066
CET2	S	23	16.73	41.14	316.6	0.077
ROI	P	23	11.28	42.52	35.3	0.184
ROI	S	23	16.80	42.52	35.3	-0.371

**45** 140927 1349 29.6 - Valle del Crati  
 Lat: 39.47 Lon: 16.16 Prof: 269.8 Km  
 ± 3.74 km ± 6.50 km ± 4.9 km  
 RMS: 0.57s GAP: 103.1° NR: 21

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	49	3.51	18.61	287.2	-0.463
CET2	S	49	29.77	18.61	287.2	0.662
SCOI	P	49	4.64	22.64	158.8	-0.167
SCOI	S	49	30.83	22.64	158.8	0.276
SMIN	P	49	4.94	56.52	174.2	-0.554
SMIN	S	49	32.54	56.52	174.2	0.796
MMNA	P	49	5.04	42.21	359.9	-0.452
MMNA	S	49	31.02	42.21	359.9	-0.719
MC32	P	49	5.61	27.36	123.3	0.692
MC32	S	49	30.46	27.36	123.3	-0.283

**46** 140927 2124 58.1 - Maratea - Rotonda  
 Lat: 39.92 Lon: 16.02 Prof: 5.3 Km  
 ± 0.82 km ± 0.25 km ± 0.4 km  
 RMS: 0.07s GAP: 267.1° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	25	-0.28	4.51	153.5	0.003
MMN9	S	25	0.86	4.51	153.5	-0.007
MMN	P	25	-0.18	5.16	216.7	0.055
MMN	S	25	0.89	5.16	216.7	-0.061
MMNA	P	25	1.21	13.72	123.8	-0.058
MMNA	S	25	3.64	13.72	123.8	0.070

**47** 140928 0123 14.1 - Alto Tirreno Cosentino  
 Lat: 39.86 Lon: 16.08 Prof: 5.0 Km  
 ± 0.76 km ± 0.25 km ± 0.3 km  
 RMS: 0.06s GAP: 199.9° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	23	15.75	4.49	318.4	-0.043
MMN9	S	23	17.07	4.49	318.4	0.051
MMNA	P	23	16.07	6.40	92.0	0.054
MMNA	S	23	17.34	6.40	92.0	-0.063
MMN	P	23	16.45	8.72	291.9	-0.008
MMN	S	23	18.18	8.72	291.9	0.009

**48** 140928 0706 06.0 - Vallo di Diano  
 Lat: 40.47 Lon: 15.42 Prof: 15.2 Km  
 ± 0.50 km ± 0.75 km ± 2.6 km  
 RMS: 0.45s GAP: 69.9° NR: 50

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	06	21.15	84.08	140.6	-0.130
MMN9	S	06	32.90	84.08	140.6	0.476
MMNA	P	06	23.36	92.94	137.6	0.084
MMNA	S	06	35.32	92.94	137.6	-0.560
CET2	P	06	26.65	114.51	156.9	0.878
CET2	S	06	40.30	114.51	156.9	0.096
ROI	P	06	31.81	140.26	135.8	0.937
ROI	S	06	48.79	140.26	135.8	-0.249
SMIN	P	06	35.90	180.56	157.7	-0.477
SMIN	S	06	58.54	180.56	157.7	-0.032

**49** 140930 0439 02.5 - Valle del Crati  
 Lat: 39.28 Lon: 16.27 Prof: 20.3 Km  
 ± 0.98 km ± 0.60 km ± 1.2 km  
 RMS: 0.20s GAP: 109.1° NR: 9

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	39	10.77	38.79	315.3	0.209
CET2	S	39	16.49	38.79	315.3	0.037

**50** 140930 1629 29.3 - Bacino di Gioia  
 Lat: 38.48 Lon: 15.50 Prof: 127.2 Km  
 ± 1.38 km ± 1.84 km ± 3.6 km  
 RMS: 0.44s GAP: 101.4° NR: 43

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	29	48.62	56.54	67.9	-0.044
VBL2	S	30	2.93	56.54	67.9	0.131
SMIN	P	29	50.05	83.16	49.1	-0.349
SMIN	S	30	5.60	83.16	49.1	-0.201
CET2	P	29	53.49	122.66	18.7	0.613
CET2	S	30	9.19	122.66	18.7	-0.902
CUP2	P	29	55.27	134.87	42.1	0.516
CUP2	S	30	14.33	134.87	42.1	0.986
ROI	P	29	56.95	152.09	37.3	0.458
ROI	S	30	17.35	152.09	37.3	0.995

**51** 140930 1958 11.7 - Scarpata di Paola  
 Lat: 38.96 Lon: 15.58 Prof: 208.8 Km  
 ± 1.16 km ± 2.29 km ± 3.8 km  
 RMS: 0.44s GAP: 132.6° NR: 62

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	58	39.97	55.49	89.3	-0.386
SMIN	S	59	0.54	55.49	89.3	-0.747
VBL2	P	58	40.04	55.56	125.9	-0.337
VBL2	S	59	0.37	55.56	125.9	-0.954
CET2	P	58	40.54	70.10	27.1	0.313

CET2	S	59	1.85	70.10	27.1	0.790
CSC2	P	58	40.64	68.01	58.6	-0.130
CSC2	S	59	1.53	68.01	58.6	-0.474
SCOI	P	58	40.72	68.08	58.3	-0.046
SCOI	S	59	1.73	68.08	58.3	-0.269
TDS	P	58	42.55	100.57	40.2	0.144
TDS	S	59	5.02	100.57	40.2	0.183
MMN9	P	58	43.26	110.30	21.4	0.124
MMN9	S	59	6.91	110.30	21.4	0.808
ROI	P	58	43.28	108.19	51.6	0.499
ROI	S	59	6.00	108.19	51.6	0.511
MMNA	P	58	43.64	110.85	26.6	0.297
MMNA	S	59	6.13	110.85	26.6	-0.328

52 140930 2109 32.0 - Piana batiale del  
Tirreno

Lat: 39.37 Lon: 15.42 Prof: 301.1 Km  
± 2.07 km ± 3.37 km ± 4.1 km  
RMS: 0.47s GAP: 135.5° NR: 51

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	09	10.52	48.29	69.8	0.281
CET2	S	09	38.46	48.29	69.8	0.239
SCOI	P	09	11.22	71.97	98.0	-0.291
SCOI	S	09	39.60	71.97	98.0	-0.815
SMIN	P	09	11.29	82.28	123.2	-0.608
SMIN	S	09	40.14	82.28	123.2	-0.946
VBL2	P	09	12.17	97.64	143.3	-0.325
VBL2	S	09	41.95	97.64	143.3	-0.172
MMNA	P	09	12.25	82.59	49.7	0.012
MMNA	S	09	42.53	82.59	49.7	0.854
TDS	P	09	12.33	84.18	68.3	0.366
ROI	P	09	12.93	100.46	77.7	0.444
ROI	S	09	42.99	100.46	77.7	0.886
CUP2	P	09	13.17	96.41	89.7	0.797
CUP2	S	09	42.70	96.41	89.7	0.790