



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

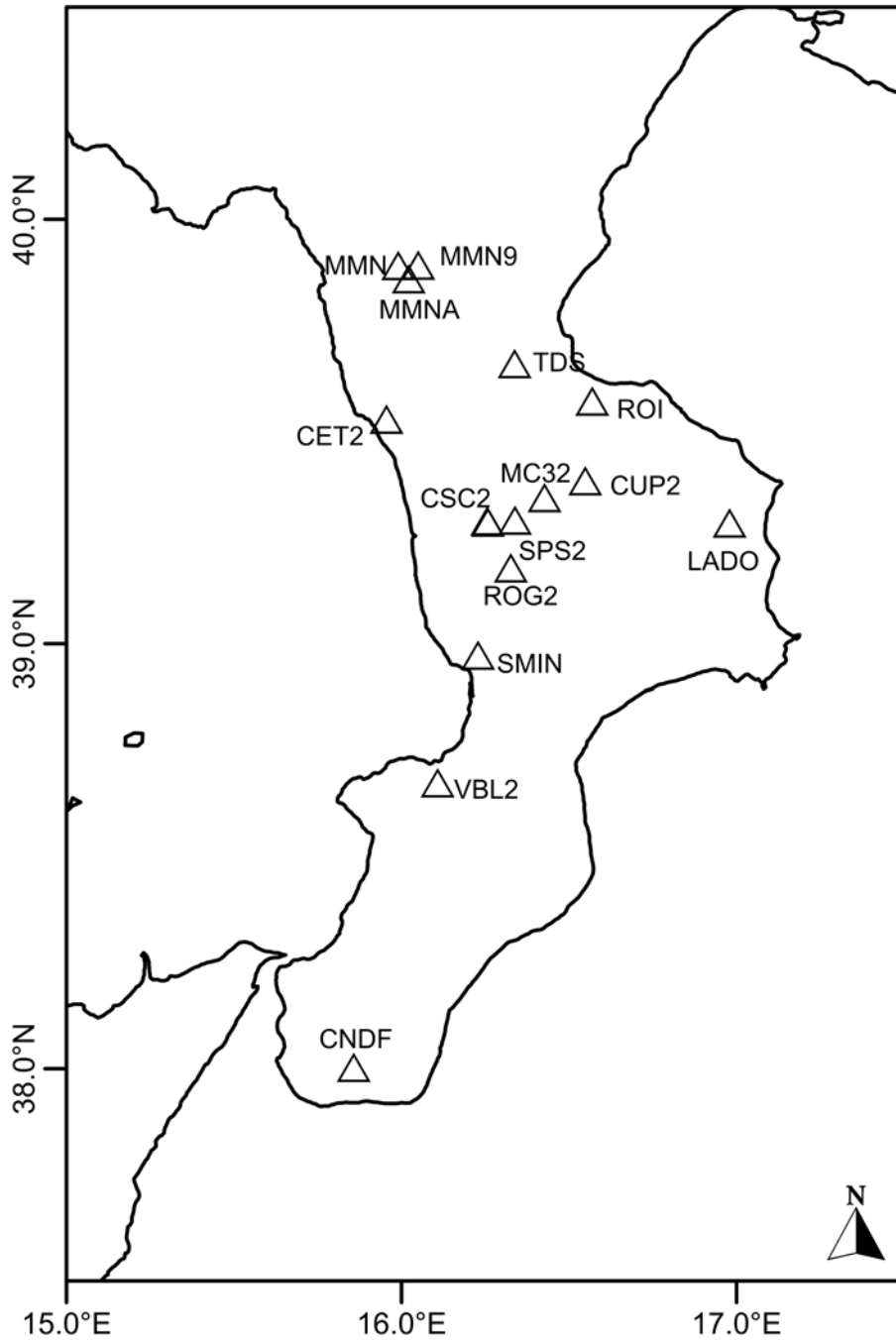
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DELLE AREE CIRCOSTANTI

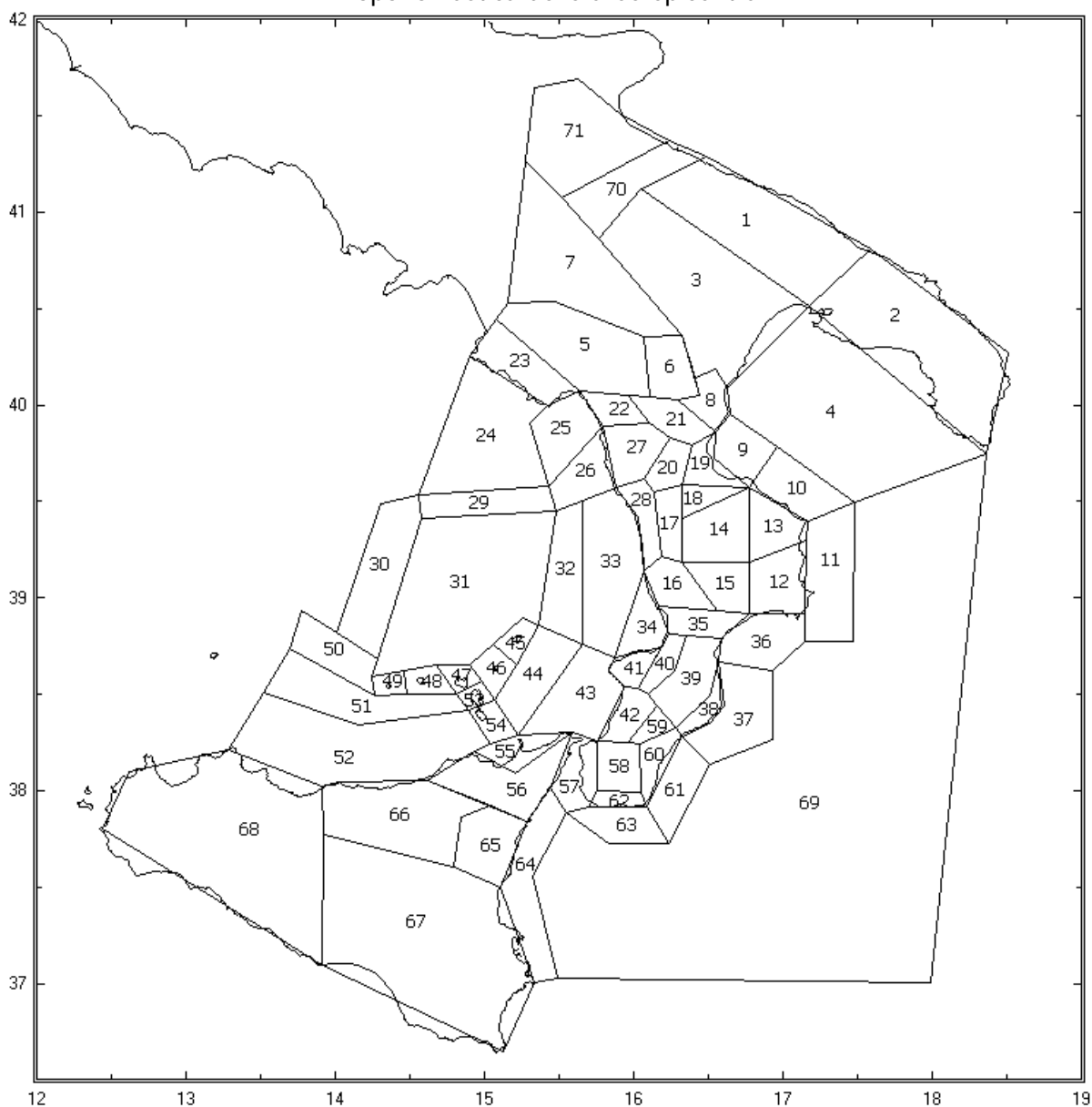
prodotto nell’ambito delle attività dell’O.R. 2.1

Periodo 01-15 Gennaio 2015

Distribuzione delle stazioni della Rete Sismica UniCal – Pon MASSIMO



Toponomastica delle aree epicentrali

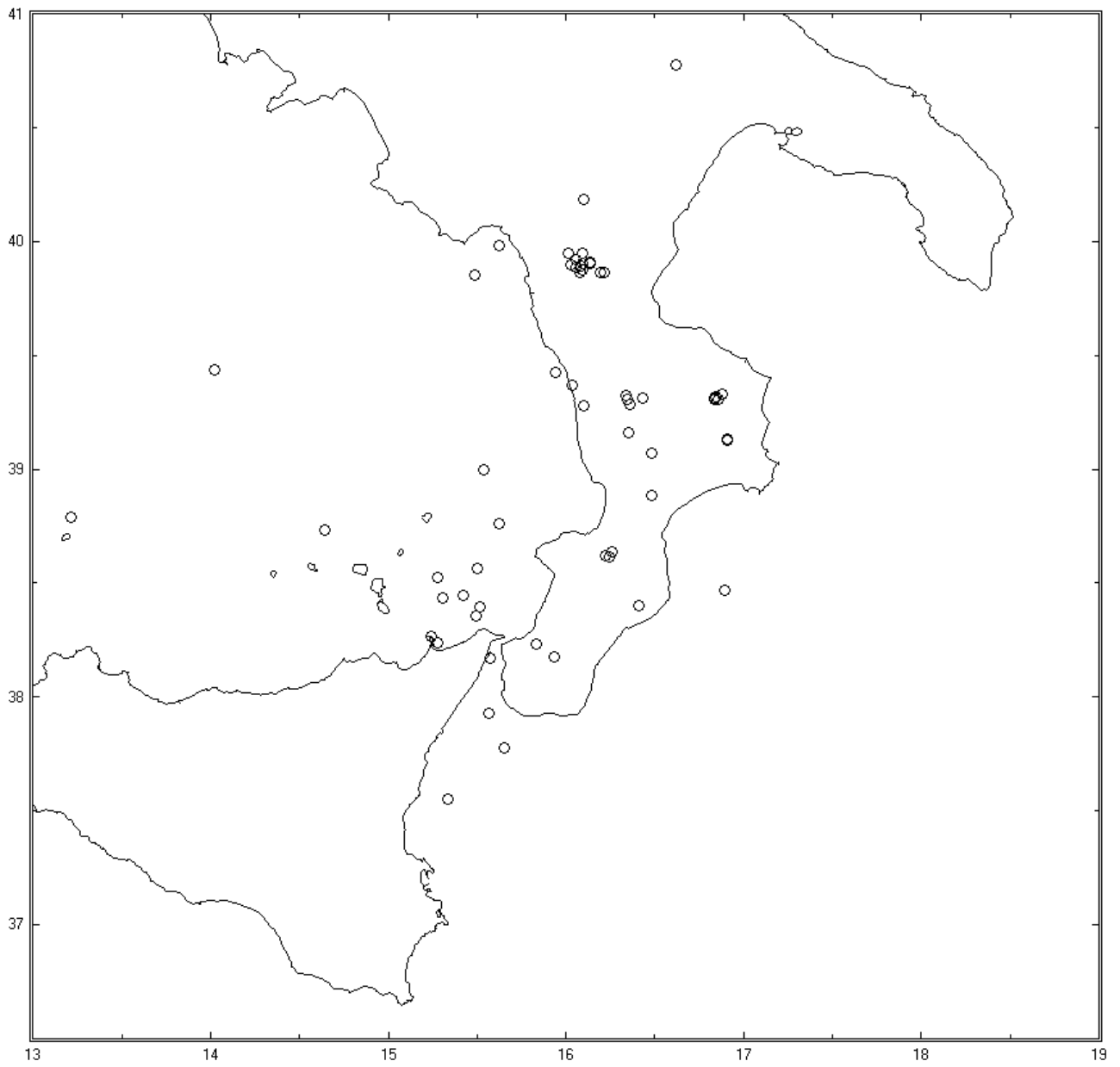


1 Murge	19 Piana di Sibari	37 Offshore Punta Stilo	55 Milazzo
2 Penisola Salentina	20 Valle dell'Esaro	38 Punta Stilo	56 Monti Peloritani
3 Piana del Bradano e del Basento	21 Catena del Pollino	39 Serre centro-settentrionali	57 Stretto di Messina
4 Golfo di Taranto	22 Marate - Rotonda	40 Valle del Mesima	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
150101	0222	23.1	38.6373	16.2594	21.9		0.52	0.57	0.99	8	147	0.17	0.07
150101	0254	21.1	38.6207	16.2247	19.5	2.4	0.46	0.68	2.07	31	94	0.36	0.07
150102	0831	32.4	39.8514	15.4836	301.6	3.9	1.23	2.39	4.03	99	122	0.47	0.07
150102	1953	24.0	38.5620	15.5005	53.6	2.0	1.38	1.59	3.87	19	130	0.50	0.13
150103	0409	42.9	39.1595	16.3504	21.8	1.4	0.68	0.85	2.37	19	113	0.41	0.11
150103	0552	34.3	38.2673	15.2428	115.3	2.6	1.36	1.59	3.65	40	76	0.46	0.09
150103	1906	2.2	39.3185	16.8408	1.4	0.9	0.36	0.34	0.83	13	114	0.18	0.06
150104	0518	32.8	39.3688	16.0364	10.0		1.59	1.70	1.26	8	208	0.22	0.18
150104	1836	29.3	38.4473	15.4205	130.8	2.6	2.28	2.76	3.47	21	110	0.42	0.14
150104	1855	51.7	38.1747	15.9355	20.5	2.1	0.44	0.52	1.48	25	82	0.26	0.06
150105	0451	3.9	39.9500	16.0128	2.3		0.53	0.42	0.42	6	227	0.09	0.09
150105	1306	22.8	39.1350	16.9070	1.4	2.3	0.59	0.89	1.88	30	187	0.42	0.16
150105	1402	57.7	39.8670	16.2122	8.0	1.5	0.50	0.46	1.19	15	126	0.27	0.08
150105	1822	21.4	39.9062	16.1342	8.1	1.2	0.81	0.99	2.14	12	108	0.37	0.14
150105	2018	38.7	39.3281	16.8822	17.2	2.2	0.86	1.14	2.86	25	138	0.49	0.18
150106	0008	3.5	38.7327	14.6423	288.8	3.3	2.59	2.18	4.00	49	140	0.47	0.13
150106	0102	0.6	39.8659	16.1910	2.9	1.2	0.77	0.56	1.81	16	85	0.40	0.11
150106	0412	42.8	39.8865	16.0560	4.2	1.6	0.73	1.43	1.85	12	198	0.32	0.14
150106	0645	27.6	39.3100	16.8589	12.8	1.4	0.66	0.98	1.87	11	116	0.32	0.11
150106	1816	6.9	39.8990	16.0242	8.3		1.44	2.12	2.66	10	153	0.46	0.20
150106	2046	17.5	39.3095	16.3422	6.7		2.38	0.96	2.62	8	188	0.45	0.22
150106	2157	7.1	38.1698	15.5696	58.1	2.4	0.88	0.83	3.27	31	74	0.41	0.07
150107	0321	28.2	37.5511	15.3385	5.1	2.2	1.15	1.82	2.72	16	143	0.60	0.17
150107	1032	14.1	39.9035	16.0897	7.7	1.6	0.71	0.64	2.22	22	99	0.49	0.12
150107	2000	9.5	37.7790	15.6523	24.0	1.9	0.78	0.91	2.58	28	149	0.44	0.11
150107	2318	6.6	38.2320	15.8359	64.2	1.7	1.29	0.87	2.98	31	77	0.37	0.08
150108	0942	33.9	39.3248	16.3378	9.5		0.69	0.39	1.04	10	125	0.18	0.06
150108	1131	58.7	38.4001	16.4125	13.3	2.6	0.74	1.12	2.82	44	189	0.49	0.15
150108	1257	34.5	38.3561	15.4923	104.0	1.9	2.70	2.94	3.95	13	97	0.49	0.17
150108	1830	38.1	39.8670	16.0796	5.0		0.15	0.14	0.22	6	138	0.05	0.02
150109	0256	3.6	39.1295	16.9105	11.5	1.0	0.61	0.64	1.16	14	222	0.20	0.12
150110	0314	2.4	38.2379	15.2771	113.1	2.7	1.46	2.03	3.44	41	81	0.43	0.10
150110	1018	54.0	39.3054	16.8327	0.0	1.0	0.48	0.51	1.21	10	104	0.27	0.09
150110	1305	54.3	39.9106	16.1379	8.3	1.0	0.77	0.83	2.64	18	72	0.46	0.12
150110	2019	5.8	39.8733	16.0900	5.3		0.79	0.24	0.20	6	178	0.04	0.02
150111	1509	47.9	38.4336	15.3091	139.5	2.6	2.78	2.46	3.55	29	108	0.44	0.13
150111	1744	20.2	39.0696	16.4803	17.4	1.4	0.74	0.62	2.20	19	123	0.38	0.10
150111	2037	22.1	39.4362	14.0256	66.8	3.1	1.88	3.18	4.70	22	220	0.59	0.37
150112	0232	18.3	39.9215	16.0533	50.3	2.2	1.39	1.76	2.89	12	131	0.37	0.12
150112	0417	22.0	38.6135	16.2436	22.5	1.8	0.85	1.38	2.72	13	102	0.47	0.14
150112	1905	55.2	38.3978	15.5134	114.6	2.5	1.22	1.40	3.57	45	109	0.45	0.07
150112	1926	16.0	39.2828	16.3561	13.0	1.4	0.56	0.57	2.15	25	64	0.37	0.08
150113	0732	7.5	39.2803	16.0992	35.8	1.8	0.76	0.99	3.30	37	87	0.51	0.11
150113	1757	34.4	38.8826	16.4832	20.9	1.4	0.63	0.82	1.91	14	138	0.33	0.10
150113	2349	46.8	37.9269	15.5682	11.7	1.3	0.78	0.22	0.76	14	201	0.13	0.08
150114	0127	10.7	38.9955	15.5366	181.9	3.0	2.16	3.37	3.14	20	192	0.38	0.20
150114	0312	59.0	38.4662	16.8921	14.7		1.65	2.41	2.10	6	275	0.36	0.43
150114	0758	34.7	38.7641	15.6244	93.4	2.1	1.23	2.53	3.29	19	141	0.41	0.13
150114	0946	56.9	39.4284	15.9400	54.3	2.6	0.68	1.15	3.81	49	114	0.49	0.07
150114	1030	4.9	39.3153	16.8372	0.0	1.2	0.53	0.48	1.32	17	139	0.29	0.09
150114	2355	25.9	40.7756	16.6183	2.7	2.1	0.68	0.78	2.13	19	92	0.47	0.12
150115	0150	9.6	39.8913	16.0879	6.5	0.8	0.64	0.39	0.98	12	174	0.22	0.10
150115	0229	29.9	40.1838	16.1026	13.5	1.3	0.57	0.67	0.81	11	230	0.14	0.11
150115	0347	12.0	38.5254	15.2753	119.6		1.32	2.41	0.99	6	298	0.12	0.18
150115	0429	10.4	39.9804	15.6205	7.0	2.2	0.61	0.86	2.84	44	160	0.49	0.11
150115	0438	11.7	38.7896	13.2142	82.3	3.0	2.92	1.98	4.27	48	252	0.53	0.33
150115	0752	2.9	39.3104	16.4282	15.6	1.2	0.43	0.37	1.14	18	107	0.20	0.05
150115	1934	48.2	39.9466	16.0903	0.0		1.96	0.83	1.45	6	274	0.32	0.45

Epicentri localizzati nel periodo di riferimento



BOLLETTINO

1 150101 0222 23.0 - Valle del Mesima
 Lat: 38.63 Lon: 16.25 Prof: 21.9 Km
 ± 0.52 km ± 0.57 km ± 1.0 km
 RMS: 0.17s GAP: 147.3° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	22	27.90	13.79	287.1	0.104
VBL2	S	22	31.42	13.79	287.1	0.153
SMIN	P	22	30.91	37.35	355.8	0.055
SMIN	S	22	36.37	37.35	355.8	-0.194

2 150101 0254 21.0 - Valle del Mesima
 Lat: 38.62 Lon: 16.22 Prof: 19.5 Km
 ± 0.46 km ± 0.68 km ± 2.1 km
 RMS: 0.36s GAP: 94.5° NR: 31

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	54	25.59	11.75	300.2	0.328
VBL2	S	54	28.28	11.75	300.2	-0.058
SMIN	P	54	29.11	39.10	0.5	0.171
SMIN	S	54	34.44	39.10	0.5	-0.268
SPS2	P	54	34.88	75.07	7.5	0.043
SPS2	S	54	44.34	75.07	7.5	-0.582
CNDF	P	54	35.05	75.69	205.2	0.146
CNDF	S	54	45.38	75.69	205.2	0.341
CUP2	P	54	36.92	89.19	18.2	-0.387
CUP2	S	54	49.69	89.19	18.2	0.488
CET2	P	54	39.19	103.49	347.0	0.216
CET2	S	54	51.44	103.49	347.0	-0.648

3 150102 0832 32.4 - G. di Policastro
 Lat: 39.85 Lon: 15.48 Prof: 301.6 Km
 ± 1.23 km ± 2.39 km ± 4.0 km
 RMS: 0.47s GAP: 122.6° NR: 99

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	32	11.45	53.99	131.9	0.576
CET2	S	32	39.15	53.99	131.9	0.135
MMN9	P	32	11.63	48.69	85.0	-0.009
MMN9	S	32	40.31	48.69	85.0	-0.032
TDS	P	32	12.77	76.20	106.5	0.557
TDS	S	32	41.79	76.20	106.5	0.454
SPS2	P	32	12.99	96.27	130.5	0.074
SPS2	S	32	42.80	96.27	130.5	0.248
SMIN	P	32	12.99	116.72	146.9	-0.777
SMIN	S	32	43.75	116.72	146.9	-0.278
MC32	P	32	13.20	98.68	125.0	0.194
MC32	S	32	43.53	98.68	125.0	0.822
ROI	P	32	13.36	98.13	108.6	0.454
ROI	S	32	43.05	98.13	108.6	0.515
CUP2	P	32	14.08	105.14	119.8	0.846
CUP2	S	32	42.94	105.14	119.8	-0.164
VBL2	P	32	14.32	141.40	157.9	-0.717
VBL2	S	32	46.32	141.40	157.9	0.093
LADO	P	32	15.18	143.13	116.1	0.362
LADO	S	32	45.42	143.13	116.1	-0.427
CNDF	P	32	18.98	207.71	171.4	-0.189
CNDF	S	32	53.13	207.71	171.4	-0.254

4 150102 1953 24.0 - Bacino di Gioia
 Lat: 38.56 Lon: 15.50 Prof: 53.6 Km
 ± 1.38 km ± 1.59 km ± 3.9 km
 RMS: 0.50s GAP: 130.3° NR: 19

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	53	37.75	77.98	54.4	-0.669
SMIN	S	53	49.11	77.98	54.4	0.165
CET2	P	53	41.98	114.30	20.4	0.056
CET2	S	53	54.68	114.30	20.4	-0.327

5 150103 0409 42.9 - Amantea - M.Reventino
 Lat: 39.15 Lon: 16.35 Prof: 21.8 Km
 ± 0.68 km ± 0.85 km ± 2.4 km
 RMS: 0.41s GAP: 113.3° NR: 19

STN	PHASE	MN	SEC	DIST	AZM	RES
MC32	P	09	48.79	21.52	17.8	0.116
MC32	S	09	52.98	21.52	17.8	0.112
SMIN	P	09	49.25	23.25	207.0	0.503
SMIN	S	09	53.12	23.25	207.0	0.126

CET2 P 09 53.49 53.34 320.3 0.070
 CET2 S 10 1.12 53.34 320.3 0.033

6 150103 0552 34.3 - Milazzo
 Lat: 38.26 Lon: 15.24 Prof: 115.3 Km
 ± 1.36 km ± 1.59 km ± 3.6 km
 RMS: 0.46s GAP: 76.5° NR: 40

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	52	52.97	61.32	119.0	0.371
CNDF	S	53	6.90	61.32	119.0	0.917
VBL2	P	52	54.39	87.95	59.5	-0.417
VBL2	S	53	9.35	87.95	59.5	-0.455
SMIN	P	52	56.98	116.18	47.9	-0.385
SMIN	S	53	13.34	116.18	47.9	-0.898
CET2	P	53	0.96	153.04	24.2	0.897
CET2	S	53	19.61	153.04	24.2	0.700

7 150103 1906 02.2 - Presila nord-or.
 Lat: 39.31 Lon: 16.84 Prof: 1.4 Km
 ± 0.36 km ± 0.34 km ± 0.8 km
 RMS: 0.18s GAP: 114.4° NR: 13

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	06	4.99	12.55	107.4	-0.025
LADO	S	06	7.35	12.55	107.4	0.269
CUP2	P	06	7.64	26.23	285.7	0.101
CUP2	S	06	11.82	26.23	285.7	0.370
ROI	P	06	9.35	36.57	320.0	-0.247
ROI	S	06	14.93	36.57	320.0	-0.088

8 150104 0518 32.7 - Catena Costiera
 Lat: 39.36 Lon: 16.03 Prof: 10.0 Km
 ± 1.59 km ± 1.70 km ± 1.3 km
 RMS: 0.22s GAP: 208.2° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	18	37.98	19.10	338.5	0.112
CET2	S	18	40.77	19.10	338.5	-0.202
SCOI	P	18	38.17	20.92	115.0	0.199
SCOI	S	18	41.46	20.92	115.0	0.309
SPS2	P	18	38.96	27.46	108.4	-0.118
SPS2	S	18	42.92	27.46	108.4	-0.147
ROG2	P	18	39.90	32.73	130.3	-0.054
ROG2	S	18	44.35	32.73	130.3	-0.235

9 150104 1836 29.3 - Bacino di Gioia
 Lat: 38.44 Lon: 15.42 Prof: 130.8 Km
 ± 2.28 km ± 2.76 km ± 3.5 km
 RMS: 0.42s GAP: 110.1° NR: 21

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	36	49.14	62.38	142.6	-0.011
CNDF	S	37	4.17	62.38	142.6	0.502
SMIN	P	36	51.43	91.32	50.5	0.107
SMIN	S	37	7.22	91.32	50.5	-0.209

10 150104 1855 51.6 - Aspromonte
 Lat: 38.17 Lon: 15.93 Prof: 20.5 Km
 ± 0.44 km ± 0.52 km ± 1.5 km
 RMS: 0.26s GAP: 82.1° NR: 25

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	55	57.12	20.23	200.1	0.219
CNDF	S	56	0.55	20.23	200.1	-0.175
CET2	P	56	15.51	150.33	0.8	0.037

11 150105 0451 03.8 - Maratea - Rotonda
 Lat: 39.95 Lon: 16.01 Prof: 2.3 Km
 ± 0.53 km ± 0.42 km ± 0.4 km
 RMS: 0.09s GAP: 227.4° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	51	5.68	7.21	153.7	0.038
MMN9	S	51	6.89	7.21	153.7	-0.044

12 150105 1306 22.7 - Marchesato
 Lat: 39.13 Lon: 16.90 Prof: 1.4 Km
 ± 0.59 km ± 0.89 km ± 1.9 km
 RMS: 0.42s GAP: 187.6° NR: 30

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	06	26.67	17.67	20.2	0.125
LADO	S	06	30.04	17.67	20.2	0.743
CUP2	P	06	30.89	41.47	311.4	0.135
CUP2	S	06	36.25	41.47	311.4	-0.339
ROG2	P	06	32.19	50.45	275.2	-0.026
ROG2	S	06	39.13	50.45	275.2	0.010
SPS2	P	06	32.36	52.04	289.2	-0.131
SPS2	S	06	39.70	52.04	289.2	0.103
ROI	P	06	33.23	56.56	328.7	-0.423
ROI	S	06	41.59	56.56	328.7	-0.020
SMIN	P	06	34.99	61.45	252.8	0.878
SMIN	S	06	42.80	61.45	252.8	0.398
TDS	P	06	36.07	76.14	319.6	-0.527
TDS	S	06	47.24	76.14	319.6	0.534
CET2	P	06	39.02	93.03	297.9	-0.815
CET2	S	06	51.90	93.03	297.9	-0.416

13 150105 1403 57.6 - Catena del Pollino
 Lat: 39.86 Lon: 16.21 Prof: 8.0 Km
 ± 0.50 km ± 0.46 km ± 1.2 km
 RMS: 0.27s GAP: 126.2° NR: 15

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	03	0.91	14.11	281.3	-0.106
MMN9	S	03	3.10	14.11	281.3	-0.366
MMN	P	03	2.07	19.13	278.0	0.296
MMN	S	03	4.60	19.13	278.0	-0.177
CET2	P	03	6.10	43.57	210.6	0.041
CET2	S	03	11.71	43.57	210.6	-0.492

14 150105 1822 21.3 - Catena del Pollino
 Lat: 39.90 Lon: 16.13 Prof: 8.1 Km
 ± 0.81 km ± 0.99 km ± 2.1 km
 RMS: 0.37s GAP: 108.7° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	22	23.78	7.34	257.6	0.016
MMN9	S	22	25.31	7.34	257.6	-0.210
MMN	P	22	24.37	12.39	262.2	-0.062
MMN	S	22	26.40	12.39	262.2	-0.275
CET2	P	22	29.87	44.64	200.3	-0.071
CET2	S	22	35.70	44.64	200.3	-0.520

15 150105 2018 38.7 - Presila nord-or.
 Lat: 39.32 Lon: 16.88 Prof: 17.2 Km
 ± 0.86 km ± 1.14 km ± 2.9 km
 RMS: 0.49s GAP: 138.4° NR: 25

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	18	42.47	9.70	119.9	0.083
LADO	S	18	44.75	9.70	119.9	-0.323
CUP2	P	18	45.13	29.44	281.7	0.101
CUP2	S	18	49.09	29.44	281.7	-0.562
ROI	P	18	46.82	38.18	314.8	0.306
ROI	S	18	52.26	38.18	314.8	0.033
SPS2	P	18	47.74	47.05	264.7	0.014
SPS2	S	18	53.96	47.05	264.7	-0.365
TDS	P	18	49.68	59.58	307.9	-0.072
TDS	S	18	58.54	59.58	307.9	0.707
SMIN	P	18	51.91	68.92	234.9	0.538
SMIN	S	19	1.52	68.92	234.9	0.884
CET2	P	18	53.21	82.91	285.5	-0.199
CET2	S	19	5.02	82.91	285.5	0.855
MMN	P	18	55.61	98.82	309.1	-0.870

16 150106 0008 03.4 - Piana batiale Tirreno
 Lat: 38.73 Lon: 14.64 Prof: 288.8 Km
 ± 2.59 km ± 2.18 km ± 4.0 km
 RMS: 0.47s GAP: 140.1° NR: 49

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	08	44.20	127.66	93.5	-0.151
VBL2	S	09	14.06	127.66	93.5	-0.217
SMIN	P	08	44.24	140.22	79.5	-0.735
SMIN	S	09	14.60	140.22	79.5	-0.758
CNDF	P	08	44.65	133.53	127.9	0.081
CNDF	S	09	15.64	133.53	127.9	0.987
CET2	P	08	45.06	143.82	52.7	0.678
CET2	S	09	15.17	143.82	52.7	0.839

STN	PHASE	MN	SEC	DIST	AZM	RES
SPS2	P	08	46.01	159.47	67.6	-0.093
SPS2	S	09	16.51	159.47	67.6	-0.802
CUP2	P	08	47.78	180.08	66.8	0.404
CUP2	S	09	20.43	180.08	66.8	0.914
ROI	P	08	48.36	190.84	61.2	0.297
ROI	S	09	21.66	190.84	61.2	0.954
LADO	P	08	49.21	211.47	73.4	-0.157
LADO	S	09	22.61	211.47	73.4	-0.354

17 150106 0102 00.5 - Catena del Pollino
 Lat: 39.86 Lon: 16.19 Prof: 2.9 Km
 ± 0.77 km ± 0.56 km ± 1.8 km
 RMS: 0.40s GAP: 85.1° NR: 16

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	02	3.76	12.37	283.6	0.311
MMN9	S	02	5.66	12.37	283.6	0.099
MMN	P	02	4.49	17.36	279.3	-0.022
MMN	S	02	7.38	17.36	279.3	-0.023
TDS	P	02	6.86	26.12	151.3	0.618
CET2	P	02	8.68	42.56	208.6	-0.754
CET2	S	02	14.36	42.56	208.6	1.568

18 150106 0412 42.8 - Alto Tirreno Cosentino
 Lat: 39.88 Lon: 16.05 Prof: 4.2 Km
 ± 0.73 km ± 1.43 km ± 1.9 km
 RMS: 0.32s GAP: 198.7° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	12	43.86	0.76	321.0	-0.058
MMN9	S	12	44.57	0.76	321.0	-0.165
MMN	P	12	44.56	5.61	275.0	0.177
MMN	S	12	45.71	5.61	275.0	0.171
CET2	P	12	50.45	40.66	192.5	-0.111
CET2	S	12	55.75	40.66	192.5	-0.491

19 150106 0645 27.5 - Presila nord-or.
 Lat: 39.31 Lon: 16.85 Prof: 12.8 Km
 ± 0.66 km ± 0.98 km ± 1.9 km
 RMS: 0.32s GAP: 116.3° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	45	30.57	10.78	105.1	-0.195
LADO	S	45	32.98	10.78	105.1	-0.100
ROI	P	45	34.95	38.30	319.1	-0.252
ROI	S	45	40.60	38.30	319.1	-0.162

20 150106 1816 06.9 - Alto Tirreno Cosentino
 Lat: 39.89 Lon: 16.02 Prof: 8.3 Km
 ± 1.44 km ± 2.12 km ± 2.7 km
 RMS: 0.46s GAP: 153.4° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	16	8.78	2.37	109.7	-0.014
MMN9	S	16	9.73	2.37	109.7	-0.429
MMN	P	16	9.59	3.01	252.5	0.798
MMN	S	16	10.38	3.01	252.5	0.220
CET2	P	16	14.99	41.54	188.4	0.120
CET2	S	16	20.09	41.54	188.4	-0.594

21 150106 2046 17.5 - Sila Grande
 Lat: 39.30 Lon: 16.34 Prof: 6.7 Km
 ± 2.38 km ± 0.96 km ± 2.6 km
 RMS: 0.45s GAP: 188.0° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
SCOI	P	46	19.41	7.73	253.1	-0.150
SCOI	S	46	21.20	7.73	253.1	0.162
MC32	P	46	19.68	8.23	62.2	-0.132
MC32	S	46	21.66	8.23	62.2	0.173
CUP2	P	46	21.29	19.55	65.1	-0.285
CUP2	S	46	24.84	19.55	65.1	0.300
CET2	P	46	26.00	41.31	306.2	0.588
CET2	S	46	30.51	41.31	306.2	-0.675

22 150106 2157 07.1 - Stretto di Messina
 Lat: 38.16 Lon: 15.56 Prof: 58.1 Km
 ± 0.88 km ± 0.83 km ± 3.3 km
 RMS: 0.41s GAP: 74.4° NR: 31

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	57	18.16	31.27	126.6	0.850
CNDF	S	57	25.70	31.27	126.6	0.942
CET2	P	57	30.19	154.52	12.8	0.110
CET2	S	57	46.25	154.52	12.8	-0.631

23 150107 0321 28.1 - Piana bat. ionica
 Lat: 37.55 Lon: 15.33 Prof: 5.1 Km
 ± 1.15 km ± 1.82 km ± 2.7 km
 RMS: 0.60s GAP: 143.7° NR: 16

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	21	41.28	67.87	42.7	0.230
CNDF	S	21	50.75	67.87	42.7	0.266

24 150107 1032 14.1 - Alto Tirreno Cosentino
 Lat: 39.90 Lon: 16.08 Prof: 7.7 Km
 ± 0.71 km ± 0.64 km ± 2.2 km
 RMS: 0.49s GAP: 99.6° NR: 22

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	32	16.06	3.60	249.1	-0.038
MMN9	S	32	17.16	3.60	249.1	-0.358
MMN	P	32	16.72	8.58	260.7	0.033
MMN	S	32	18.25	8.58	260.7	-0.288
TDS	P	32	21.50	34.41	142.0	0.779
TDS	S	32	26.42	34.41	142.0	0.895
CET2	P	32	22.34	43.18	195.7	-0.180
CET2	S	32	28.04	43.18	195.7	-0.604

25 150107 2000 09.4 - Piana bat. ionica
 Lat: 37.77 Lon: 15.65 Prof: 24.0 Km
 ± 0.78 km ± 0.91 km ± 2.6 km
 RMS: 0.44s GAP: 149.4° NR: 28

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	00	16.62	30.73	36.2	0.102
CNDF	S	00	21.19	30.73	36.2	-0.472

26 150107 2318 06.6 - Aspromonte
 Lat: 38.23 Lon: 15.83 Prof: 64.2 Km
 ± 1.29 km ± 0.87 km ± 3.0 km
 RMS: 0.37s GAP: 77.0° NR: 31

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	18	17.25	25.45	176.0	0.059
CNDF	S	18	24.70	25.45	176.0	-0.242

27 150108 0942 33.8 - Sila Grande
 Lat: 39.32 Lon: 16.33 Prof: 9.5 Km
 ± 0.69 km ± 0.39 km ± 1.0 km
 RMS: 0.18s GAP: 125.6° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
SPS2	P	42	35.79	3.75	178.7	-0.167
SPS2	S	42	37.34	3.75	178.7	-0.117
MC32	P	42	36.42	7.96	74.4	-0.068
MC32	S	42	38.43	7.96	74.4	0.051
SCOI	P	42	36.54	8.05	240.6	0.241
SCOI	S	42	38.11	8.05	240.6	0.060
CUP2	P	42	37.94	19.26	70.1	-0.119
CUP2	S	42	41.41	19.26	70.1	0.308
CET2	P	42	41.62	40.02	304.5	0.007
CET2	S	42	47.16	40.02	304.5	-0.097

28 150108 1132 58.6 - Punta Stilo
 Lat: 38.40 Lon: 16.41 Prof: 13.3 Km
 ± 0.74 km ± 1.12 km ± 2.8 km
 RMS: 0.49s GAP: 189.3° NR: 44

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	32	6.71	40.34	318.8	0.307
VBL2	S	32	12.00	40.34	318.8	-0.079
SMIN	P	32	10.08	65.58	345.8	-0.572
SMIN	S	32	19.87	65.58	345.8	0.434
CNDF	P	32	10.60	65.61	227.9	-0.017
CNDF	S	32	19.71	65.61	227.9	0.331
SPS2	P	32	16.10	99.11	356.2	-0.269
SPS2	S	32	29.19	99.11	356.2	-0.149
MC32	P	32	17.26	104.79	0.6	-0.194

MC32	S	32	30.46	104.79	0.6	-0.760
CUP2	P	32	18.77	109.80	6.0	0.476
CUP2	S	32	32.51	109.80	6.0	-0.162
LADO	P	32	19.05	109.77	26.4	0.872
LADO	S	32	33.28	109.77	26.4	0.809
CET2	P	32	20.39	131.43	342.5	0.186
CET2	S	32	36.37	131.43	342.5	0.390
ROI	P	32	21.15	130.78	5.8	-0.713

29 150108 1257 34.4 - Bacino di Gioia
 Lat: 38.35 Lon: 15.49 Prof: 104.0 Km
 ± 2.70 km ± 2.94 km ± 4.0 km
 RMS: 0.49s GAP: 97.3° NR: 13

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	57	58.13	136.21	17.4	0.483
CET2	S	58	13.90	136.21	17.4	-0.692

30 150108 1830 38.0 - Alto Tirreno Cosentino
 Lat: 39.86 Lon: 16.07 Prof: 5.0 Km
 ± 0.15 km ± 0.14 km ± 0.2 km
 RMS: 0.05s GAP: 138.8° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	30	39.60	3.72	318.0	-0.044
MMN9	S	30	40.85	3.72	318.0	0.051
MMNA	P	30	40.07	6.94	96.8	0.015
MMNA	S	30	41.49	6.94	96.8	-0.017
CET2	P	30	46.10	39.04	196.1	0.031
CET2	S	30	51.89	39.04	196.1	-0.036

31 150109 0256 03.6 - Marchesato
 Lat: 39.12 Lon: 16.91 Prof: 11.5 Km
 ± 0.61 km ± 0.64 km ± 1.2 km
 RMS: 0.20s GAP: 222.6° NR: 14

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	56	7.57	18.14	18.7	-0.067
LADO	S	56	10.92	18.14	18.7	0.342
SPS2	P	56	13.34	52.54	289.7	0.023
SPS2	S	56	20.81	52.54	289.7	0.396
ROI	P	56	14.15	57.24	328.8	-0.268
ROI	S	56	22.53	57.24	328.8	0.208

32 150110 0314 02.3 - Milazzo
 Lat: 38.23 Lon: 15.27 Prof: 113.1 Km
 ± 1.46 km ± 2.03 km ± 3.4 km
 RMS: 0.43s GAP: 81.4° NR: 41

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	14	21.90	87.18	56.6	-0.675
VBL2	S	14	36.95	87.18	56.6	-0.429
SMIN	P	14	24.83	116.28	45.7	-0.408
SMIN	S	14	41.81	116.28	45.7	-0.180
SPS2	P	14	27.92	148.93	38.6	-0.658
SPS2	S	14	47.04	148.93	38.6	-0.735
CET2	P	14	28.70	154.89	22.7	0.554
CET2	S	14	47.56	154.89	22.7	0.535
CUP2	P	14	30.87	168.40	41.2	0.379
CUP2	S	14	51.91	168.40	41.2	0.822
LADO	P	14	32.37	188.08	51.9	-0.026
LADO	S	14	54.89	188.08	51.9	0.501

33 150110 1018 54.0 - Presila nord-or.
 Lat: 39.30 Lon: 16.83 Prof: 0.0 Km
 ± 0.48 km ± 0.51 km ± 1.2 km
 RMS: 0.27s GAP: 104.8° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	18	56.73	12.87	100.2	-0.153
LADO	S	18	59.13	12.87	100.2	0.150

34 150110 1305 54.2 - Catena del Pollino
 Lat: 39.91 Lon: 16.13 Prof: 8.3 Km
 ± 0.77 km ± 0.83 km ± 2.6 km
 RMS: 0.46s GAP: 72.2° NR: 18

STN	PHASE	MN	SEC	DIST	AZM	RES
MMNA	P	05	56.98	5.97	161.5	0.322
MMNA	S	05	58.73	5.97	161.5	0.338

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	13	17.29	104.17	240.4	-0.333
CNDF	S	13	31.62	104.17	240.4	0.387
CET2	P	13	22.05	143.21	325.3	0.094
CET2	S	13	38.63	143.21	325.3	-0.106

48 150114 0758 34.6 - Canyon di Stromboli
Lat: 38.76 Lon: 15.62 Prof: 93.4 Km
± 1.23 km ± 2.53 km ± 3.3 km
RMS: 0.41s GAP: 141.1° NR: 19

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	58	52.72	86.87	166.8	0.117
CNDF	S	59	6.28	86.87	166.8	0.566
CET2	P	58	52.82	89.56	18.9	0.454
CET2	S	59	4.44	89.56	18.9	-0.864

49 150114 0947 56.8 - Bacino di Paola
Lat: 39.42 Lon: 15.94 Prof: 54.3 Km
± 0.68 km ± 1.15 km ± 3.8 km
RMS: 0.49s GAP: 114.9° NR: 49

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	47	5.96	11.21	6.6	0.874
CET2	S	47	12.00	11.21	6.6	0.896
SPS2	P	47	6.78	37.59	114.0	-0.257
SPS2	S	47	13.96	37.59	114.0	-0.525
TDS	P	47	7.48	42.70	53.2	0.059
TDS	S	47	14.80	42.70	53.2	-0.347
MMN	P	47	8.38	51.52	5.0	-0.017
MMN	S	47	16.35	51.52	5.0	-0.489
SMIN	P	47	8.54	56.36	153.9	-0.303
SMIN	S	47	16.80	56.36	153.9	-0.808
MMN9	P	47	8.66	52.32	10.6	0.153
MMN9	S	47	16.97	52.32	10.6	-0.060
CUP2	P	47	8.79	52.61	95.4	0.349
CUP2	S	47	17.24	52.61	95.4	0.325
LADO	P	47	13.04	91.00	100.0	0.493
CNDF	P	47	21.10	158.36	182.8	0.039
CNDF	S	47	37.94	158.36	182.8	-0.833

50 150114 1030 04.9 - Presila nord-or.
Lat: 39.31 Lon: 16.83 Prof: 0.0 Km
± 0.53 km ± 0.48 km ± 1.3 km
RMS: 0.29s GAP: 139.7° NR: 17

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	30	7.80	12.74	105.4	0.048
LADO	S	30	10.07	12.74	105.4	0.243
CUP2	P	30	10.79	26.04	286.6	0.365
CUP2	S	30	14.66	26.04	286.6	0.206
ROI	P	30	12.27	36.65	320.7	-0.280
ROI	S	30	18.25	36.65	320.7	0.114
CET2	P	30	19.52	79.61	287.2	-0.335
CET2	S	30	31.47	79.61	287.2	0.680

51 150114 2355 25.8 - Piana Bradano e Basento
Lat: 40.77 Lon: 16.61 Prof: 2.7 Km
± 0.68 km ± 0.78 km ± 2.1 km
RMS: 0.47s GAP: 92.3° NR: 19

STN	PHASE	MN	SEC	DIST	AZM	RES
MMNA	P	55	45.43	108.90	200.9	-0.582
MMNA	S	56	-0.07	108.90	200.9	-0.828
CET2	P	55	50.99	149.54	202.2	0.075
CET2	S	56	9.56	149.54	202.2	0.316

52 150115 0150 09.5 - Alto Tirreno Cosentino
Lat: 39.89 Lon: 16.08 Prof: 6.5 Km
± 0.64 km ± 0.39 km ± 1.0 km
RMS: 0.22s GAP: 174.1° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	50	11.47	3.21	271.1	0.061
MMN9	S	50	12.83	3.21	271.1	0.093
MMNA	P	50	11.80	7.11	119.7	-0.035
MMNA	S	50	13.32	7.11	119.7	-0.153
MMN	P	50	12.13	8.32	269.7	0.061
MMN	S	50	13.84	8.32	269.7	-0.037
CET2	P	50	17.78	41.84	196.0	-0.106

53 150115 0229 29.9 - Bacino di S.Arcangelo
Lat: 40.18 Lon: 16.10 Prof: 13.5 Km
± 0.57 km ± 0.67 km ± 0.8 km
RMS: 0.14s GAP: 230.6° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
MMNA	P	29	37.38	36.32	172.3	-0.055
MMNA	S	29	43.15	36.32	172.3	0.234

54 150115 0347 11.9 - Canyon di Stromboli
Lat: 38.52 Lon: 15.27 Prof: 119.6 Km
± 1.32 km ± 2.41 km ± 1.0 km
RMS: 0.12s GAP: 298.4° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	47	31.46	77.15	139.1	-0.116
CNDF	S	47	46.07	77.15	139.1	0.136
VBL2	P	47	31.67	74.37	77.5	0.065
VBL2	S	47	45.91	74.37	77.5	-0.073

55 150115 0429 10.3 - G. di Policastro
Lat: 39.98 Lon: 15.62 Prof: 7.0 Km
± 0.61 km ± 0.86 km ± 2.8 km
RMS: 0.49s GAP: 160.6° NR: 44

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	29	16.98	33.16	107.7	0.272
MMN	S	29	21.67	33.16	107.7	0.318
MMN9	P	29	17.80	38.03	105.2	0.239
MMN9	S	29	22.99	38.03	105.2	0.161
MMNA	P	29	19.59	48.04	106.4	-0.177
MMNA	S	29	26.34	48.04	106.4	-0.310
CET2	P	29	21.28	57.74	150.6	0.686
CET2	S	29	28.58	57.74	150.6	0.496
TDS	P	29	23.69	70.97	120.3	0.596
TDS	S	29	32.59	70.97	120.3	0.178
ROI	P	29	27.17	93.08	119.3	0.390
ROI	S	29	39.29	93.08	119.3	0.494
SPS2	P	29	27.76	98.28	141.3	0.157
SPS2	S	29	39.80	98.28	141.3	-0.421
CUP2	P	29	28.55	103.56	129.9	0.487
CUP2	S	29	42.01	103.56	129.9	0.992
SMIN	P	29	30.19	123.47	155.1	-0.793
SMIN	S	29	45.96	123.47	155.1	-0.117
VBL2	P	29	34.43	151.03	164.1	-0.184
VBL2	S	29	52.04	151.03	164.1	-0.324

56 150115 0438 11.7 - M. Tirreno
Lat: 38.78 Lon: 13.21 Prof: 82.3 Km
± 2.92 km ± 1.98 km ± 4.3 km
RMS: 0.53s GAP: 252.2° NR: 48

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	38	47.63	246.88	111.8	0.331
CNDF	S	39	13.11	246.88	111.8	-0.212
CET2	P	38	47.64	250.69	71.9	0.000
CET2	S	40	15.19	250.69	71.9	0.000
VBL2	P	38	48.70	251.98	93.9	0.000
VBL2	S	39	15.40	251.98	93.9	0.000

57 150115 0752 02.9 - Sila Grande
Lat: 39.31 Lon: 16.42 Prof: 15.6 Km
± 0.43 km ± 0.37 km ± 1.1 km
RMS: 0.20s GAP: 107.5° NR: 18

STN	PHASE	MN	SEC	DIST	AZM	RES
MC32	P	52	6.29	3.73	358.2	0.146
MC32	S	52	8.22	3.73	358.2	-0.281
SPS2	P	52	6.34	8.00	254.4	0.102
SPS2	S	52	8.42	8.00	254.4	-0.244
CUP2	P	52	7.10	13.14	51.7	0.239
CUP2	S	52	10.08	13.14	51.7	0.337
ROI	P	52	9.40	31.46	22.5	-0.135
ROI	S	52	14.32	31.46	22.5	-0.056
CET2	P	52	11.97	47.44	300.8	-0.135
CET2	S	52	18.70	47.44	300.8	-0.126

58 150115 1934 48.2 - Catena del Pollino
Lat: 39.94 Lon: 16.09 Prof: 0.0 Km
± 1.96 km ± 0.83 km ± 1.4 km
RMS: 0.32s GAP: 274.2° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	34	49.60	6.97	209.4	-0.210
MMN9	S	34	50.65	6.97	209.4	-0.311
MMNA	P	34	50.68	11.35	148.3	-0.093
MMNA	S	34	52.96	11.35	148.3	0.338
MMN	P	34	50.71	10.53	234.1	0.116
MMN	S	34	52.66	10.53	234.1	0.349