



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

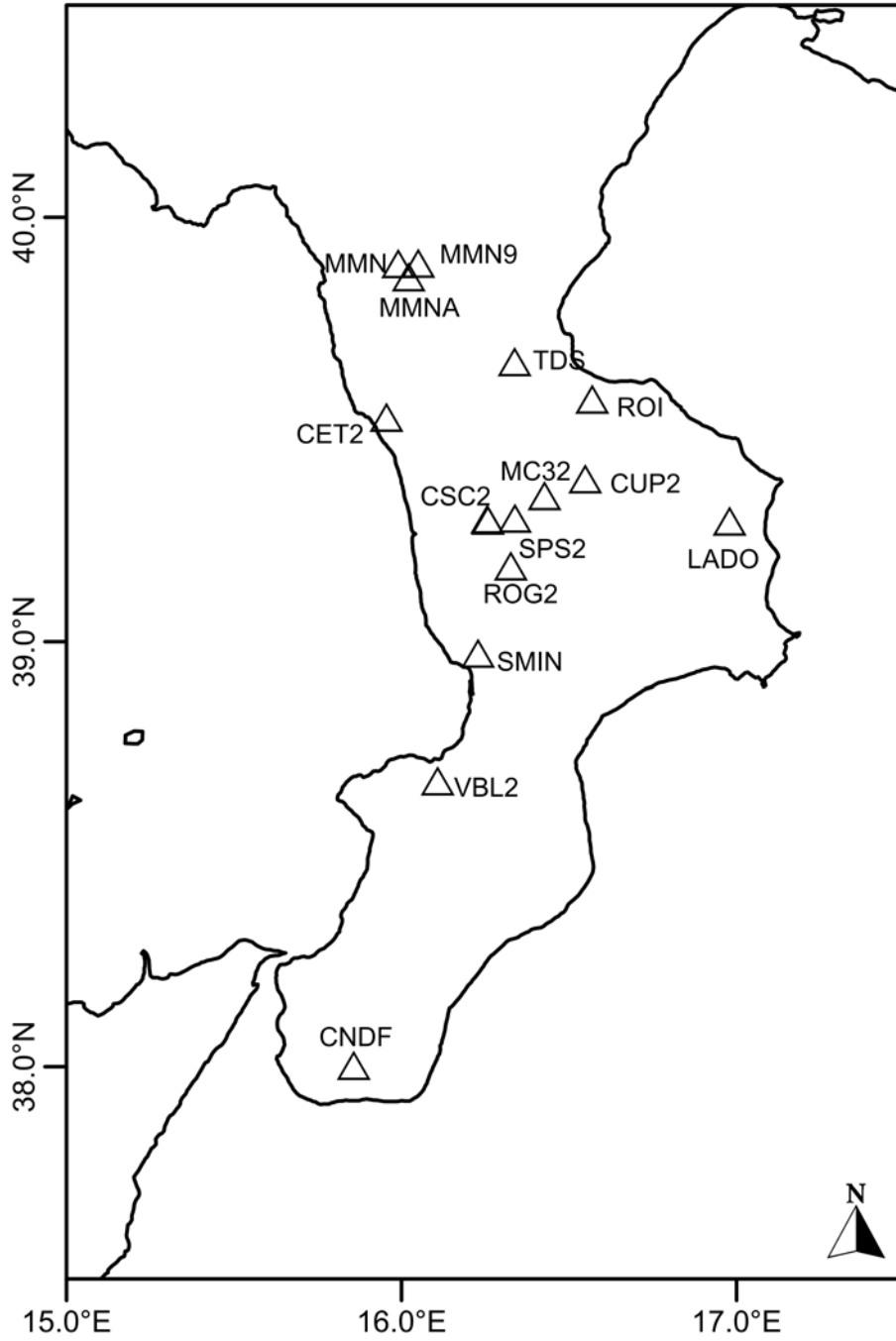
E

DELLE AREE CIRCOSTANTI

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

Periodo 16-31 Maggio 2015

Distribuzione delle stazioni della Rete Sismica UniCal – Pon MASSIMO



Toponomastica delle aree epicentrali

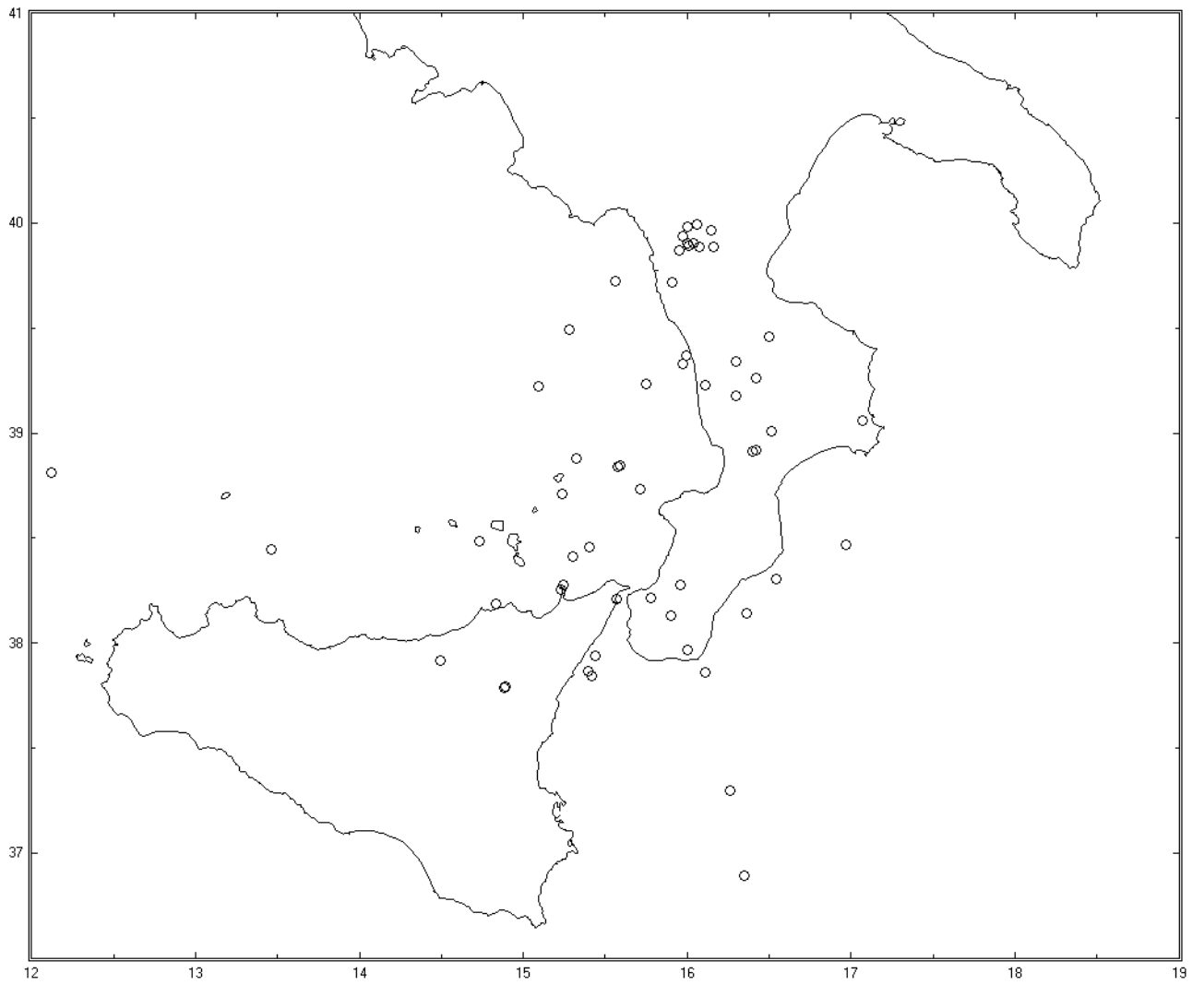


1 Murge	19 Piana di Sibari	37 Offshore Punta Stilo	55 Milazzo
2 Penisola Salentina	20 Valle dell'Esaro	38 Punta Stilo	56 Monti Peloritani
3 Piana del Bradano e del Basento	21 Catena del Pollino	39 Serre centro-settentrionali	57 Stretto di Messina
4 Golfo di Taranto	22 Marate - Rotonda	40 Valle del Mesima	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
150516	0526	12.2	38.1301	15.9032	18.8	1.7	0.62	0.86	1.89	17	70	0.33	0.08
150517	1747	45.3	38.2127	15.7808	17.4	2.0	0.59	0.49	1.87	23	88	0.32	0.07
150518	0133	42.0	38.8140	12.1190	66.6	3.4	3.01	2.21	3.51	39	298	0.44	0.35
150518	1828	58.2	38.8433	15.5931	86.6	1.9	1.54	2.61	3.79	20	179	0.47	0.17
150518	2039	14.5	38.8804	15.3214	207.0	1.8	2.00	1.57	1.17	19	226	0.14	0.10
150519	0026	7.1	39.0073	16.5111	9.5		1.49	1.24	2.79	8	146	0.48	0.18
150519	0056	4.8	39.4569	16.4960	15.2	1.0	0.40	0.46	1.26	18	102	0.22	0.06
150519	0240	44.6	39.8860	16.1612	6.3	0.9	0.50	0.47	1.31	14	106	0.29	0.08
150519	1218	13.5	39.2295	16.1076	9.7	1.8	0.72	0.89	2.19	19	176	0.38	0.14
150519	1244	38.1	38.1444	16.3656	18.0		3.60	3.58	3.68	7	240	0.63	0.68
150519	2125	41.9	39.9028	16.0038	6.6		0.59	0.43	0.48	8	138	0.08	0.03
150519	2126	12.0	39.8912	16.0092	6.3	1.0	0.47	0.59	1.58	19	81	0.27	0.07
150520	0114	0.9	37.8655	15.3956	30.9	1.4	0.94	0.79	2.39	22	149	0.37	0.12
150520	0226	39.2	39.8869	16.0712	12.5		0.17	0.49	0.22	6	249	0.04	0.06
150520	1134	5.3	39.3292	15.9707	19.9	1.4	0.64	0.80	1.85	16	164	0.29	0.10
150520	1534	8.9	38.4679	16.9680	12.0		2.90	3.07	2.93	10	280	0.65	0.72
150520	1620	2.3	39.3433	16.2997	11.2	1.0	0.54	0.37	1.14	15	93	0.20	0.06
150520	1730	5.5	36.8908	16.3466	36.2	2.6	1.89	1.84	3.84	68	253	0.49	0.31
150521	0305	26.9	39.7253	15.5617	298.5	3.2	1.47	2.83	4.41	91	126	0.51	0.09
150521	0655	50.7	39.2650	16.4204	10.6	1.3	0.96	0.87	2.71	20	154	0.47	0.15
150521	2213	21.6	38.4873	14.7314	13.4	2.7	0.59	0.55	3.33	72	70	0.51	0.08
150522	2350	23.9	39.9651	16.1439	1.2		0.75	0.42	0.94	8	154	0.21	0.08
150523	1117	41.2	38.1889	14.8321	120.1	2.8	1.29	1.13	3.89	65	60	0.49	0.07
150523	1703	11.2	37.7949	14.8880	26.7	1.8	0.43	0.58	2.65	57	42	0.41	0.06
150523	1710	18.7	37.7866	14.8864	25.3	2.3	0.40	0.56	2.35	52	60	0.36	0.06
150523	2024	43.8	39.7187	15.9108	12.3	1.2	0.56	0.86	1.59	14	156	0.24	0.08
150524	0502	41.0	38.4144	15.3004	127.0	2.7	1.31	1.91	3.90	53	122	0.49	0.11
150524	0600	32.1	37.9703	15.9991	60.5	3.9	0.85	1.01	3.95	143	124	0.49	0.09
150525	1042	59.9	37.8427	15.4185	26.7	2.7	0.51	0.59	2.97	72	118	0.46	0.06
150525	2236	17.0	38.8399	15.5757	172.0	2.1	1.85	3.15	3.05	21	209	0.37	0.17
150526	0305	1.8	39.0606	17.0724	17.5		0.54	0.72	0.65	8	283	0.11	0.14
150526	0659	13.3	39.2343	15.7511	67.1	2.3	0.61	0.91	3.57	54	110	0.45	0.07
150526	1141	24.8	38.7308	15.7141	165.9	2.2	1.60	2.95	3.71	31	157	0.45	0.10
150526	1455	49.3	38.4449	13.4609	0.0	2.7	0.79	0.77	2.15	46	122	0.48	0.12
150526	2305	43.7	38.4589	15.3995	112.3		5.54	4.95	3.40	8	325	0.41	0.41
150527	0821	25.1	38.2546	15.2301	17.2	2.3	0.71	0.55	2.60	38	61	0.45	0.08
150527	1901	48.4	37.8604	16.1118	45.6	1.9	1.15	1.41	3.51	32	198	0.44	0.15
150528	0935	5.1	38.2771	15.2437	118.2	2.4	1.11	1.56	3.54	46	64	0.44	0.09
150528	0941	44.4	38.2081	15.5721	64.2	2.3	1.15	0.85	3.60	47	54	0.45	0.07
150529	1802	7.8	39.3721	15.9955	55.9	2.1	1.25	1.94	3.10	17	127	0.40	0.10
150530	0041	38.7	39.2203	15.0940	311.1	2.6	3.41	3.81	3.32	33	219	0.39	0.21
150530	0622	38.1	37.2989	16.2599	36.2	2.0	1.43	2.41	2.67	16	256	0.34	0.32
150530	0936	34.7	38.2800	15.9558	20.6	2.2	0.50	0.55	2.28	42	93	0.39	0.07
150530	1218	27.9	38.9139	16.3992	5.0	3.1	0.38	0.66	2.24	68	106	0.50	0.07
150530	2352	14.3	38.7096	15.2351	204.6	1.7	5.16	4.52	3.82	19	172	0.46	0.29
150531	0043	12.2	37.9190	14.4931	16.8	2.0	0.61	0.46	2.48	48	65	0.43	0.07
150531	0211	6.4	38.3065	16.5396	19.6		1.44	2.43	2.06	6	269	0.36	0.41
150531	0509	31.6	39.8711	15.9510	0.0	0.8	0.70	0.76	2.00	14	140	0.44	0.14
150531	0604	43.2	39.9062	16.0383	6.5	0.8	0.88	0.93	2.61	15	77	0.45	0.12
150531	1213	17.4	37.9418	15.4357	5.2	1.6	0.80	0.41	1.74	32	127	0.39	0.11
150531	1314	54.0	39.4914	15.2810	3.2	1.9	0.60	0.94	2.37	51	164	0.53	0.13
150531	2120	45.2	39.9361	15.9715	5.5		1.76	1.67	2.57	8	190	0.44	0.23
150531	2121	1.2	39.9802	16.0052	0.0	1.8	0.52	0.69	2.33	37	88	0.52	0.09
150531	2121	44.7	39.9934	16.0581	0.0		1.77	2.70	2.05	6	273	0.46	0.60
150531	2345	35.0	38.9168	16.4184	14.5		0.77	0.80	2.17	12	117	0.37	0.11
150531	2350	16.7	39.1760	16.2952	14.4		0.73	0.82	2.49	17	113	0.43	0.11

Epicentri localizzati nel periodo di riferimento



BOLLETTINO

1 150516 0526 12.2 - Aspromonte
 Lat: 38.13 Lon: 15.90 Prof: 18.8 Km
 ± 0.62 km ± 0.86 km ± 1.9 km
 RMS: 0.33s GAP: 70.0° NR: 17

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	26	16.67	14.65	196.2	0.068
CNDF	S	26	19.30	14.65	196.2	-0.490

2 150517 1747 45.3 - Aspromonte
 Lat: 38.21 Lon: 15.78 Prof: 17.4 Km
 ± 0.59 km ± 0.49 km ± 1.9 km
 RMS: 0.32s GAP: 88.3° NR: 23

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	47	50.89	24.20	164.2	0.168
CNDF	S	47	54.33	24.20	164.2	-0.357

3 150518 0133 42.0 - M. Tirreno
 Lat: 38.81 Lon: 12.11 Prof: 66.6 Km
 ± 3.01 km ± 2.21 km ± 3.5 km
 RMS: 0.44s GAP: 298.1° NR: 39

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	34	29.48	338.80	106.8	0.000
CNDF	S	35	2.36	338.80	106.8	0.000

4 150518 1828 58.2 - Scarpata di Paola
 Lat: 38.84 Lon: 15.59 Prof: 86.6 Km
 ± 1.54 km ± 2.61 km ± 3.8 km
 RMS: 0.47s GAP: 179.4° NR: 20

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	29	17.10	96.06	166.4	0.634
CNDF	S	29	30.46	96.06	166.4	0.633

5 150518 2039 14.4 - Piana bat. del Tirreno
 Lat: 38.88 Lon: 15.32 Prof: 207.0 Km
 ± 2.00 km ± 1.57 km ± 1.2 km
 RMS: 0.14s GAP: 226.5° NR: 19

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	39	45.18	108.02	154.7	-0.036

6 150519 0026 07.0 - Sila Piccola
 Lat: 39.00 Lon: 16.51 Prof: 9.5 Km
 ± 1.49 km ± 1.24 km ± 2.8 km
 RMS: 0.48s GAP: 146.9° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	26	11.88	24.80	261.1	-0.154
SMIN	S	26	15.81	24.80	261.1	0.150

7 150519 0056 04.7 - Sila Grande
 Lat: 39.45 Lon: 16.49 Prof: 15.2 Km
 ± 0.40 km ± 0.46 km ± 1.3 km
 RMS: 0.22s GAP: 102.1° NR: 18

STN	PHASE	MN	SEC	DIST	AZM	RES
CUP2	P	56	8.44	9.31	151.0	0.175
CUP2	S	56	11.14	9.31	151.0	0.317
ROI	P	56	8.68	14.22	26.1	-0.117
ROI	S	56	11.43	14.22	26.1	-0.314
SPS2	P	56	9.77	22.86	216.2	-0.064
SPS2	S	56	13.51	22.86	216.2	-0.031
TDS	P	56	10.48	26.29	328.6	0.190
TDS	S	56	14.55	26.29	328.6	0.219

8 150519 0240 44.6 - Catena del Pollino
 Lat: 39.88 Lon: 16.16 Prof: 6.3 Km
 ± 0.50 km ± 0.47 km ± 1.3 km
 RMS: 0.29s GAP: 106.5° NR: 14

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	40	48.28	14.60	272.2	0.139
MMN	S	40	50.50	14.60	272.2	-0.219
CET2	P	40	53.22	43.44	204.2	0.014
CET2	S	40	58.80	43.44	204.2	-0.691

9 150519 1218 13.5 - Catena Costiera
 Lat: 39.22 Lon: 16.10 Prof: 9.7 Km
 ± 0.72 km ± 0.89 km ± 2.2 km
 RMS: 0.38s GAP: 176.9° NR: 19

STN	PHASE	MN	SEC	DIST	AZM	RES
ROG2	P	18	17.96	19.70	106.8	0.296
ROG2	S	18	20.62	19.70	106.8	-0.076
SPS2	P	18	18.17	21.09	71.1	0.286
SPS2	S	18	21.02	21.09	71.1	-0.057
CET2	P	18	20.87	35.74	338.5	0.367
CET2	S	18	25.12	35.74	338.5	-0.494
TDS	P	18	23.41	51.66	22.5	0.441
TDS	S	18	30.10	51.66	22.5	0.217

10 150519 1244 38.0 - Offshore Locride
 Lat: 38.14 Lon: 16.36 Prof: 18.0 Km
 ± 3.60 km ± 3.58 km ± 3.7 km
 RMS: 0.63s GAP: 240.2° NR: 7

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	44	47.07	47.28	250.7	-0.098
CNDF	S	44	53.21	47.28	250.7	-0.598

11 150519 2125 41.9 - Alto Tirreno Cosentino
 Lat: 39.90 Lon: 16.00 Prof: 6.6 Km
 ± 0.59 km ± 0.43 km ± 0.5 km
 RMS: 0.08s GAP: 138.1° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	25	43.49	1.74	220.7	0.047
MMN	S	25	44.50	1.74	220.7	-0.058
MMN9	P	25	43.67	4.15	107.1	0.024
MMN9	S	25	44.89	4.15	107.1	-0.020

12 150519 2126 12.0 - Alto Tirreno Cosentino
 Lat: 39.89 Lon: 16.00 Prof: 6.3 Km
 ± 0.47 km ± 0.59 km ± 1.6 km
 RMS: 0.27s GAP: 81.8° NR: 19

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	26	13.58	1.59	268.6	0.106
MMN	S	26	14.58	1.59	268.6	0.034
MMN9	P	26	13.75	3.52	89.0	0.119
MMN9	S	26	14.96	3.52	89.0	0.141
CET2	P	26	19.43	40.51	186.8	-0.317
CET2	S	26	25.20	40.51	186.8	-0.209

13 150520 0114 00.9 - Coste Sicilia Or.
 Lat: 37.86 Lon: 15.39 Prof: 30.9 Km
 ± 0.94 km ± 0.79 km ± 2.4 km
 RMS: 0.37s GAP: 149.8° NR: 22

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	14	10.37	43.36	69.7	0.184
CNDF	S	14	17.04	43.36	69.7	0.071

14 150520 0226 39.1 - Alto Tirreno Cosentino
 Lat: 39.88 Lon: 16.07 Prof: 12.5 Km
 ± 0.17 km ± 0.49 km ± 0.2 km
 RMS: 0.04s GAP: 249.5° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	26	42.04	6.90	273.8	0.005
MMN	S	26	44.13	6.90	273.8	-0.005
CET2	P	26	47.19	40.99	194.3	-0.033
CET2	S	26	53.16	40.99	194.3	0.037

15 150520 1134 05.2 - Bacino di Paola
 Lat: 39.32 Lon: 15.97 Prof: 19.9 Km
 ± 0.64 km ± 0.80 km ± 1.9 km
 RMS: 0.29s GAP: 164.5° NR: 16

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	34	10.81	22.20	356.6	0.254
CET2	S	34	14.50	22.20	356.6	0.065
SPS2	P	34	11.96	32.02	97.7	0.036
SPS2	S	34	16.89	32.02	97.7	0.082
TDS	P	34	14.16	48.36	40.7	-0.172
TDS	S	34	20.40	48.36	40.7	-0.580

16 150520 1534 08.8 - Piana bat. ionica
 Lat: 38.46 Lon: 16.96 Prof: 12.0 Km
 ± 2.90 km ± 3.07 km ± 2.9 km
 RMS: 0.65s GAP: 280.5° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	34	23.27	78.35	286.8	0.236
VBL2	S	34	33.27	78.35	286.8	-0.129
SMIN	P	34	24.38	85.33	310.8	0.145
SMIN	S	34	36.41	85.33	310.8	0.932

17 150520 1620 02.2 - Valle del Crati
 Lat: 39.34 Lon: 16.29 Prof: 11.2 Km
 ± 0.54 km ± 0.37 km ± 1.1 km
 RMS: 0.20s GAP: 93.7° NR: 15

STN	PHASE	MN	SEC	DIST	AZM	RES
SPS2	P	20	4.85	6.70	149.8	0.040
SPS2	S	20	6.54	6.70	149.8	-0.131
MC32	P	20	5.44	10.96	89.5	0.024
MC32	S	20	7.60	10.96	89.5	-0.121
CUP2	P	20	7.04	21.87	78.1	0.087
CUP2	S	20	11.00	21.87	78.1	0.618
CET2	P	20	9.32	36.15	304.8	-0.047
CET2	S	20	14.46	36.15	304.8	-0.105

18 150520 1730 05.5 - M. Ionio
 Lat: 36.89 Lon: 16.34 Prof: 36.2 Km
 ± 1.89 km ± 1.84 km ± 3.8 km
 RMS: 0.49s GAP: 253.5° NR: 68

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	30	26.69	130.84	340.8	0.466
CNDF	S	30	41.56	130.84	340.8	0.170
SMIN	P	30	40.23	231.34	357.4	0.607
SMIN	S	31	3.96	231.34	357.4	-0.637
CET2	P	30	46.94	294.82	353.4	0.000
CET2	S	31	15.88	294.82	353.4	0.000
ROI	P	30	48.92	298.23	3.6	0.000
LADO	P	31	6.99	271.37	11.5	0.000

19 150521 0305 26.8 - G. di Policastro
 Lat: 39.72 Lon: 15.56 Prof: 298.5 Km
 ± 1.47 km ± 2.83 km ± 4.4 km
 RMS: 0.51s GAP: 126.8° NR: 91

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	06	5.21	40.17	123.2	0.492
CET2	S	06	32.44	40.17	123.2	0.035
MMN	P	06	5.54	41.07	63.7	-0.016
MMN	S	06	33.10	41.07	63.7	-0.757
MMN9	P	06	5.95	45.75	66.4	0.263
MMN9	S	06	35.00	45.75	66.4	0.917
SCOI	P	06	6.21	76.90	129.2	-0.080
SCOI	S	06	34.24	76.90	129.2	-0.888
SPS2	P	06	6.31	82.40	126.0	-0.226
SPS2	S	06	35.17	82.40	126.0	-0.384
TDS	P	06	6.54	66.93	96.5	0.488
TDS	S	06	35.06	66.93	96.5	0.345
SMIN	P	06	6.61	101.37	145.7	-0.627
SMIN	S	06	35.89	101.37	145.7	-0.877
ROI	P	06	7.13	88.14	101.3	0.474
ROI	S	06	36.53	88.14	101.3	0.769
MC32	P	06	7.28	85.58	119.8	0.636
MC32	S	06	36.54	85.58	119.8	0.798
CUP2	P	06	7.69	92.89	114.2	0.813
CUP2	S	06	37.05	92.89	114.2	0.906
VBL2	P	06	8.15	125.91	158.2	-0.233
VBL2	S	06	37.87	125.91	158.2	-0.883
LADO	P	06	8.57	131.40	111.9	0.222
LADO	S	06	39.68	131.40	111.9	0.988
CNDF	P	06	12.13	192.88	172.7	-0.175
CNDF	S	06	44.59	192.88	172.7	-0.956

20 150521 0655 50.7 - Sila Grande
 Lat: 39.26 Lon: 16.42 Prof: 10.6 Km
 ± 0.96 km ± 0.87 km ± 2.7 km
 RMS: 0.47s GAP: 154.8° NR: 20

STN	PHASE	MN	SEC	DIST	AZM	RES
MC32	P	55	53.66	8.79	3.5	0.118
MC32	S	55	54.69	8.79	3.5	-0.917
SPS2	P	55	53.69	7.62	292.2	0.420
SPS2	S	55	55.79	7.62	292.2	0.654
ROI	P	55	58.00	36.39	20.4	0.086
ROI	S	56	2.70	36.39	20.4	-0.480
TDS	P	55	58.89	44.37	350.6	-0.061
TDS	S	56	5.00	44.37	350.6	0.023
LADO	P	56	-0.21	48.27	87.2	0.143
LADO	S	56	7.16	48.27	87.2	0.979
CET2	P	56	.04	49.68	306.2	-0.074
CET2	S	56	6.83	49.68	306.2	-0.161

21 150521 2213 21.5 - Bacino di Alicudi
 Lat: 38.48 Lon: 14.73 Prof: 13.4 Km
 ± 0.59 km ± 0.55 km ± 3.3 km
 RMS: 0.51s GAP: 70.2° NR: 72

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	13	40.21	112.25	119.2	0.045
CNDF	S	13	54.68	112.25	119.2	0.914
SMIN	P	13	43.63	140.87	68.0	-0.743
SMIN	S	14	.73	140.87	68.0	-0.330
CET2	P	13	45.62	156.81	43.1	0.906
CET2	S	14	2.51	156.81	43.1	0.870
SPS2	P	13	47.37	165.55	57.8	-0.247
SPS2	S	14	6.16	165.55	57.8	-0.510
CUP2	P	13	50.88	186.29	58.1	0.915
CUP2	S	14	11.16	186.29	58.1	0.415
MMN9	P	13	51.12	193.12	36.7	-0.162
MMN9	S	14	12.23	193.12	36.7	-0.788
TDS	P	13	51.30	190.37	47.3	0.508
TDS	S	14	11.23	190.37	47.3	-0.937

22 150522 2350 23.8 - Catena del Pollino
 Lat: 39.96 Lon: 16.14 Prof: 1.2 Km
 ± 0.75 km ± 0.42 km ± 0.9 km
 RMS: 0.21s GAP: 154.6° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	50	26.58	11.41	224.6	0.105
MMN9	S	50	28.26	11.41	224.6	-0.107
MMN	P	50	27.29	15.48	237.9	-0.072
MMN	S	50	29.97	15.48	237.9	0.065

23 150523 1117 41.2 - Bacino di Cefalù
 Lat: 38.18 Lon: 14.83 Prof: 120.1 Km
 ± 1.29 km ± 1.13 km ± 3.9 km
 RMS: 0.49s GAP: 60.1° NR: 65

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	18	2.30	92.25	103.5	0.154
CNDF	S	18	17.95	92.25	103.5	0.487
ROG2	P	18	9.87	170.17	50.2	-0.164
ROG2	S	18	30.46	170.17	50.2	-0.664
SPS2	P	18	11.07	179.23	47.4	0.048
SPS2	S	18	33.29	179.23	47.4	0.455
CUP2	P	18	13.43	199.52	48.7	0.358
CUP2	S	18	37.11	199.52	48.7	0.726

24 150523 1703 11.2 - Etna
 Lat: 37.79 Lon: 14.88 Prof: 26.7 Km
 ± 0.43 km ± 0.58 km ± 2.7 km
 RMS: 0.41s GAP: 42.7° NR: 57

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	03	27.39	88.32	75.4	0.323
CNDF	S	03	38.52	88.32	75.4	-0.150
SMIN	P	03	38.67	175.52	42.3	-0.265
SMIN	S	03	58.53	175.52	42.3	-0.698

25 150523 1710 18.7 - Etna
 Lat: 37.78 Lon: 14.88 Prof: 25.3 Km
 ± 0.40 km ± 0.56 km ± 2.4 km
 RMS: 0.36s GAP: 60.2° NR: 52

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	10	34.71	88.70	74.8	0.077
CNDF	S	10	45.44	88.70	74.8	-0.834

26 150523 2024 43.7 - Alto Tirreno Cosentino
 Lat: 39.71 Lon: 15.91 Prof: 12.3 Km
 ± 0.56 km ± 0.86 km ± 1.6 km
 RMS: 0.24s GAP: 156.6° NR: 14

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	24	47.85	20.30	19.9	-0.393
MMN	S	24	51.63	20.30	19.9	0.116
CET2	P	24	48.64	21.41	170.1	0.215
CET2	S	24	51.67	21.41	170.1	-0.157

27 150524 0502 40.9 - Canyon di Stromboli
 Lat: 38.41 Lon: 15.30 Prof: 127.0 Km
 ± 1.31 km ± 1.91 km ± 3.9 km
 RMS: 0.49s GAP: 122.9° NR: 53

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	03	1.03	66.78	133.5	0.364
CNDF	S	03	15.72	66.78	133.5	0.633
VBL2	P	03	1.18	76.06	68.1	-0.324
VBL2	S	03	16.19	76.06	68.1	-0.349
SMIN	P	03	3.08	101.78	52.8	-0.430
SMIN	S	03	19.56	101.78	52.8	-0.454
ROG2	P	03	5.00	123.00	46.7	-0.400
ROG2	S	03	22.30	123.00	46.7	-0.986
SPS2	P	03	5.91	132.64	43.1	-0.401
SPS2	S	03	23.87	132.64	43.1	-0.994
CET2	P	03	6.39	136.08	25.0	0.631
CET2	S	03	24.82	136.08	25.0	0.910
CUP2	P	03	8.68	152.60	45.4	0.532
CUP2	S	03	28.98	152.60	45.4	0.935
TDS	P	03	9.03	164.81	33.3	-0.548
TDS	S	03	31.12	164.81	33.3	0.596
MMNA	P	03	10.95	176.83	25.2	-0.280
MMNA	S	03	33.84	176.83	25.2	0.455

28 150524 0600 32.1 - Aspromonte mer.
 Lat: 37.97 Lon: 15.99 Prof: 60.5 Km
 ± 0.85 km ± 1.01 km ± 3.9 km
 RMS: 0.49s GAP: 124.9° NR: 43

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	00	41.96	12.99	286.6	0.317
CNDF	S	00	48.03	12.99	286.6	-0.567
VBL2	P	00	47.29	78.67	7.1	0.013
VBL2	S	00	58.13	78.67	7.1	-0.224
SMIN	P	00	50.90	113.08	10.3	-0.472
ROG2	P	00	53.80	137.10	12.0	-0.530
CSC2	P	00	55.02	147.81	8.8	-0.591
CET2	P	00	57.79	173.05	358.9	0.428
CET2	S	01	14.86	173.05	358.9	-0.962
CUP2	P	00	58.18	163.99	16.9	0.792
CUP2	S	01	16.24	163.99	16.9	0.374
TDS	P	01	.39	189.80	8.9	-0.573

29 150525 1042 59.9 - Coste Sicilia Or.
 Lat: 37.84 Lon: 15.41 Prof: 26.7 Km
 ± 0.51 km ± 0.59 km ± 3.0 km
 RMS: 0.46s GAP: 118.5° NR: 72

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	43	9.10	42.48	65.6	0.306
CNDF	S	43	15.40	42.48	65.6	0.096
SMIN	P	43	22.68	144.01	29.7	-0.885
SMIN	S	43	40.10	144.01	29.7	-0.785
CET2	P	43	28.27	192.89	14.3	0.299
CET2	S	43	47.83	192.89	14.3	-0.687
ROI	P	43	32.52	216.47	27.7	-0.083

30 150525 2236 17.0 - Scarpata di Paola
 Lat: 38.83 Lon: 15.57 Prof: 172.0 Km
 ± 1.85 km ± 3.15 km ± 3.0 km
 RMS: 0.37s GAP: 209.4° NR: 21

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	36	40.89	58.49	75.6	-0.493
SMIN	S	36	58.83	58.49	75.6	-0.399
CET2	P	36	42.18	83.19	23.5	0.254
CET2	S	37	.65	83.19	23.5	0.484

31 150526 0305 01.7 - Marchesato
 Lat: 39.06 Lon: 17.07 Prof: 17.5 Km
 ± 0.54 km ± 0.72 km ± 0.7 km
 RMS: 0.11s GAP: 283.3° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	05	7.47	26.06	341.5	-0.007
LADO	S	05	11.67	26.06	341.5	0.006

32 150526 0659 13.3 - Bacino di Paola
 Lat: 39.23 Lon: 15.75 Prof: 67.1 Km
 ± 0.61 km ± 0.91 km ± 3.6 km
 RMS: 0.45s GAP: 110.4° NR: 54

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	59	25.17	37.10	28.4	0.860
CET2	S	59	33.26	37.10	28.4	0.895
ROG2	P	59	25.57	50.04	97.3	-0.272
ROG2	S	59	34.86	50.04	97.3	-0.160
SMIN	P	59	25.59	50.45	125.3	-0.282
SMIN	S	59	34.61	50.45	125.3	-0.460
TDS	P	59	27.33	69.09	47.0	-0.262
TDS	S	59	38.05	69.09	47.0	0.001
VBL2	P	59	27.46	69.48	153.8	-0.217
VBL2	S	59	37.90	69.48	153.8	-0.298
MMN	P	59	27.99	75.74	16.0	-0.412
MMN	S	59	39.17	75.74	16.0	-0.283
CUP2	P	59	28.01	70.71	76.5	0.238
CUP2	S	59	39.34	70.71	76.5	0.980
LADO	P	59	31.05	106.15	86.9	-0.397
LADO	S	59	44.34	106.15	86.9	-0.387
CNDF	P	59	36.10	136.96	176.4	0.901
CNDF	S	59	50.36	136.96	176.4	-0.864

33 150526 1141 24.7 - Bacino di Gioia
 Lat: 38.73 Lon: 15.71 Prof: 165.9 Km
 ± 1.60 km ± 2.95 km ± 3.7 km
 RMS: 0.45s GAP: 157.6° NR: 31

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	41	49.52	81.72	171.5	0.019
CNDF	S	42	7.09	81.72	171.5	-0.501
CET2	P	41	49.60	91.00	13.5	0.090
CET2	S	42	7.78	91.00	13.5	0.170
TDS	P	41	52.07	116.30	27.7	0.090
TDS	S	42	11.28	116.30	27.7	-0.605

34 150526 1455 49.3 - Bacino di Cefalù
 Lat: 38.44 Lon: 13.46 Prof: 0.0 Km
 ± 0.79 km ± 0.77 km ± 2.2 km
 RMS: 0.48s GAP: 122.6° NR: 46

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	56	24.06	215.52	104.1	0.740
CNDF	S	56	49.11	215.52	104.1	0.901

35 150526 2305 43.6 - Bacino di Gioia
 Lat: 38.45 Lon: 15.39 Prof: 112.3 Km
 ± 5.54 km ± 4.95 km ± 3.4 km
 RMS: 0.41s GAP: 325.1° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	06	1.98	66.19	69.2	-0.012
VBL2	S	06	15.84	66.19	69.2	0.441

36 150527 0821 25.0 - Milazzo
 Lat: 38.25 Lon: 15.23 Prof: 17.2 Km
 ± 0.71 km ± 0.55 km ± 2.6 km
 RMS: 0.45s GAP: 61.3° NR: 38

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	21	36.43	61.65	117.3	-0.044
CNDF	S	21	44.54	61.65	117.3	-0.288
CET2	P	21	49.18	154.79	24.4	-0.023
CET2	S	22	5.89	154.79	24.4	-0.982

37 150527 1901 48.3 - Offshore Calabria
Meridionale
Lat: 37.86 Lon: 16.11 Prof: 45.6 Km
± 1.15 km ± 1.41 km ± 3.5 km
RMS: 0.44s GAP: 198.0° NR: 32

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	01	57.28	27.43	305.5	0.347
CNDF	S	02	3.19	27.43	305.5	-0.029

38 150528 0935 05.1 - Milazzo
Lat: 38.27 Lon: 15.24 Prof: 118.2 Km
± 1.11 km ± 1.56 km ± 3.5 km
RMS: 0.44s GAP: 64.2° NR: 46

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	35	23.93	61.78	119.9	0.190
CNDF	S	35	37.82	61.78	119.9	0.449
CET2	P	35	31.86	152.01	24.3	0.900

39 150528 0941 44.4 - Stretto di Messina
Lat: 38.20 Lon: 15.57 Prof: 64.2 Km
± 1.15 km ± 0.85 km ± 3.6 km
RMS: 0.45s GAP: 54.7° NR: 47

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	41	55.68	33.80	132.6	0.260
CNDF	S	42	4.26	33.80	132.6	0.792
CET2	P	42	6.98	150.31	13.1	-0.071

40 150529 1802 07.8 - Bacino di Paola
Lat: 39.37 Lon: 15.99 Prof: 55.9 Km
± 1.25 km ± 1.94 km ± 3.1 km
RMS: 0.40s GAP: 127.0° NR: 17

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	02	16.75	17.75	348.7	0.266
CET2	S	02	23.38	17.75	348.7	0.564
SMIN	P	02	18.85	48.66	155.7	-0.317
SMIN	S	02	26.95	48.66	155.7	-0.513

41 150530 0041 38.7 - Piana batiale del
Tirreno
Lat: 39.22 Lon: 15.09 Prof: 311.1 Km
± 3.41 km ± 3.81 km ± 3.3 km
RMS: 0.39s GAP: 219.0° NR: 33

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	42	19.75	81.68	65.7	0.414
SMIN	P	42	20.11	101.89	106.0	-0.709
SPS2	P	42	20.69	107.72	86.2	-0.370
SPS2	S	42	52.58	107.72	86.2	0.521
CUP2	P	42	22.51	126.73	82.0	0.632
CNDF	P	42	23.19	150.57	154.3	0.061

42 150530 0622 38.0 - Piana bat. ionica
Lat: 37.29 Lon: 16.25 Prof: 36.2 Km
± 1.43 km ± 2.41 km ± 2.7 km
RMS: 0.34s GAP: 256.4° NR: 16

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	22	53.28	85.87	335.7	0.270
CNDF	S	23	3.88	85.87	335.7	-0.060

43 150530 0936 34.6 - Piana di Gioia
Lat: 38.28 Lon: 15.95 Prof: 20.6 Km
± 0.50 km ± 0.55 km ± 2.3 km
RMS: 0.39s GAP: 93.6° NR: 42

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	36	41.73	31.91	195.9	0.234
CNDF	S	36	46.13	31.91	195.9	-0.371
VBL2	P	36	44.53	45.68	17.0	0.885
VBL2	S	36	49.76	45.68	17.0	-0.462
SMIN	P	36	49.97	80.49	17.2	0.581
SMIN	S	37	.29	80.49	17.2	0.120
CET2	P	36	57.19	138.63	.1	0.236
CET2	S	37	12.39	138.63	.1	-0.885

44 150530 1218 27.9 - Stretta di Catanzaro
Lat: 38.91 Lon: 16.39 Prof: 5.0 Km
± 0.38 km ± 0.66 km ± 2.2 km
RMS: 0.50s GAP: 106.5° NR: 68

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	18	31.78	16.20	293.8	0.471
SMIN	S	18	33.46	16.20	293.8	-0.332
ROG2	P	18	34.00	30.03	347.7	0.342
ROG2	S	18	38.30	30.03	347.7	0.442
VBL2	P	18	35.26	36.75	223.5	0.468
VBL2	S	18	40.58	36.75	223.5	0.757
SPS2	P	18	36.16	42.19	352.8	0.423
SPS2	S	18	41.97	42.19	352.8	0.508
MC32	P	18	36.79	47.80	2.8	-0.024
MC32	S	18	43.82	47.80	2.8	0.497
CUP2	P	18	38.25	53.69	13.7	0.446
CUP2	S	18	45.61	53.69	13.7	0.570
LADO	P	18	39.25	64.85	50.4	-0.363
LADO	S	18	47.46	64.85	50.4	-0.714
ROI	P	18	40.95	74.50	11.2	-0.725
ROI	S	18	51.24	74.50	11.2	-0.505
CET2	P	18	41.89	78.31	330.7	-0.327
CET2	S	18	52.11	78.31	330.7	-0.575
TDS	P	18	42.39	82.93	356.2	-0.303
TDS	S	18	53.53	82.93	356.2	0.021
CNDF	P	18	47.27	111.60	205.1	-0.376
CNDF	S	19	1.21	111.60	205.1	-0.875
MMN9	P	18	47.98	112.65	344.5	0.057
MMN9	S	19	3.53	112.65	344.5	0.964
MMN	P	18	48.05	114.02	342.1	-0.086
MMN	S	19	2.41	114.02	342.1	-0.526

45 150531 0043 12.2 - M. Nebrodi-Madonie
Lat: 37.91 Lon: 14.49 Prof: 16.8 Km
± 0.61 km ± 0.46 km ± 2.5 km
RMS: 0.43s GAP: 65.7° NR: 48

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	43	33.19	120.24	86.2	-0.374
CNDF	S	43	48.67	120.24	86.2	-0.518
SMIN	P	43	43.68	191.38	52.9	-0.066
CET2	P	43	46.15	219.28	36.1	0.940
CET2	S	44	8.98	219.28	36.1	-0.376

46 150531 0211 06.4 - Offshore P. Stilo
Lat: 38.30 Lon: 16.53 Prof: 19.6 Km
± 1.44 km ± 2.43 km ± 2.1 km
RMS: 0.36s GAP: 269.0° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	11	19.27	68.63	240.7	0.141
CNDF	S	11	28.26	68.63	240.7	-0.161

47 150531 0509 31.5 - Alto Tirreno Cosentino
Lat: 39.87 Lon: 15.95 Prof: 0.0 Km
± 0.70 km ± 0.76 km ± 2.0 km
RMS: 0.44s GAP: 140.1° NR: 14

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	09	32.72	4.03	57.2	0.222
MMN	S	09	33.92	4.03	57.2	0.750
MMN9	P	09	33.33	8.80	74.9	-0.220
MMN9	S	09	34.98	8.80	74.9	-0.011
MMNA	P	09	34.71	17.93	94.2	-0.858
CET2	P	09	39.33	38.00	179.7	-0.002
CET2	S	09	45.19	38.00	179.7	0.182

48 150531 0604 43.1 - Alto Tirreno Cosentino
Lat: 39.90 Lon: 16.03 Prof: 6.5 Km
± 0.88 km ± 0.93 km ± 2.6 km
RMS: 0.45s GAP: 77.9° NR: 15

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	04	44.73	4.41	247.4	-0.160
MMN	S	04	45.97	4.41	247.4	-0.166
MMN9	P	04	44.86	1.90	147.2	0.124
MMN9	S	04	45.85	1.90	147.2	-0.018

49 150531 1213 17.4 - Coste Sicilia Or.

Lat: 37.94 Lon: 15.43 Prof: 5.2 Km
 ± 0.80 km ± 0.41 km ± 1.7 km
 RMS: 0.39s GAP: 127.7° NR: 32

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	13	24.87	37.65	79.9	0.049
CNDF	S	13	30.51	37.65	79.9	0.260
CET2	P	13	46.19	181.85	14.7	-0.574
CET2	S	14	8.45	181.85	14.7	0.194

50 150531 1314 54.0 - Vulcani Palinuro ed

Enotrio

Lat: 39.49 Lon: 15.28 Prof: 3.2 Km
 ± 0.60 km ± 0.94 km ± 2.4 km
 RMS: 0.53s GAP: 164.6° NR: 51

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	15	4.98	58.07	86.3	0.215
CET2	S	15	11.74	58.07	86.3	-0.886
MMN	P	15	8.32	75.31	54.3	0.500
MMN	S	15	17.61	75.31	54.3	-0.308
CSC2	P	15	10.14	87.17	105.4	0.352
CSC2	S	15	20.94	87.17	105.4	-0.386
TDS	P	15	10.38	92.65	78.7	-0.340
TDS	S	15	22.01	92.65	78.7	-0.931
SPS2	P	15	10.85	93.79	104.0	-0.114
SPS2	S	15	23.86	93.79	104.0	0.496
MC32	P	15	12.07	100.02	99.7	0.169
MC32	S	15	25.86	100.02	99.7	0.872
SMIN	P	15	12.10	100.00	125.4	0.068
SMIN	S	15	24.24	100.00	125.4	-0.973
LADO	P	15	18.55	148.11	99.0	0.681

51 150531 2120 45.2 - Maratea - Rotonda

Lat: 39.93 Lon: 15.97 Prof: 5.5 Km
 ± 1.76 km ± 1.67 km ± 2.6 km
 RMS: 0.44s GAP: 190.3° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	20	46.64	5.28	162.1	-0.255
MMN	S	20	48.22	5.28	162.1	0.101
MMN9	P	20	47.02	8.34	126.2	-0.329
MMN9	S	20	49.50	8.34	126.2	0.590
CET2	P	20	54.25	45.24	182.0	0.469
CET2	S	21	- .42	45.24	182.0	-0.465

52 150531 2121 01.2 - Maratea - Rotonda

Lat: 39.98 Lon: 16.00 Prof: 0.0 Km
 ± 0.52 km ± 0.69 km ± 2.3 km
 RMS: 0.52s GAP: 88.2° NR: 37

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	21	3.28	10.00	187.3	-0.152
MMN	S	21	5.56	10.00	187.3	0.495
MMN9	P	21	3.52	10.54	158.7	-0.033
MMN9	S	21	5.57	10.54	158.7	0.290
TDS	P	21	9.30	45.57	141.5	-0.642
TDS	S	21	16.91	45.57	141.5	0.580
CET2	P	21	10.12	50.31	185.1	-0.964
CET2	S	21	17.41	50.31	185.1	-0.906
CUP2	P	21	17.03	80.99	144.9	0.850
CUP2	S	21	27.54	80.99	144.9	0.392
SMIN	P	21	21.85	113.47	170.3	0.160
SMIN	S	21	37.05	113.47	170.3	0.365

53 150531 2121 44.7 - Catena del Pollino

Lat: 39.99 Lon: 16.05 Prof: 0.0 Km
 ± 1.77 km ± 2.70 km ± 2.1 km
 RMS: 0.46s GAP: 273.1° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	21	46.87	11.29	183.5	-0.360
MMN9	S	21	48.84	11.29	183.5	-0.228
MMN	P	21	47.89	12.76	207.0	0.340
MMN	S	21	49.92	12.76	207.0	0.291

54 150531 2345 35.0 - Stretta di Catanzaro

Lat: 38.91 Lon: 16.41 Prof: 14.5 Km
 ± 0.77 km ± 0.80 km ± 2.2 km
 RMS: 0.37s GAP: 117.6° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	45	39.52	17.62	290.7	0.224
SMIN	S	45	42.25	17.62	290.7	-0.176
CET2	P	45	49.53	78.87	329.5	0.129
CET2	S	45	59.35	78.87	329.5	-0.572

55 150531 2350 16.7 - Amantea - M.Reventino

Lat: 39.17 Lon: 16.29 Prof: 14.4 Km
 ± 0.73 km ± 0.82 km ± 2.5 km
 RMS: 0.43s GAP: 113.8° NR: 17

STN	PHASE	MN	SEC	DIST	AZM	RES
SCOI	P	50	20.42	13.01	345.1	0.130
SCOI	S	50	22.68	13.01	345.1	-0.243
CSC2	P	50	20.43	12.66	345.2	0.172
CSC2	S	50	22.85	12.66	345.2	-0.012
SMIN	P	50	22.10	23.27	194.4	0.353
SMIN	S	50	25.85	23.27	194.4	0.405
CUP2	P	50	23.21	31.72	43.3	0.051
CUP2	S	50	27.69	31.72	43.3	-0.203
CET2	P	50	25.53	48.95	323.2	-0.552
CET2	S	50	32.83	48.95	323.2	-0.126