



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

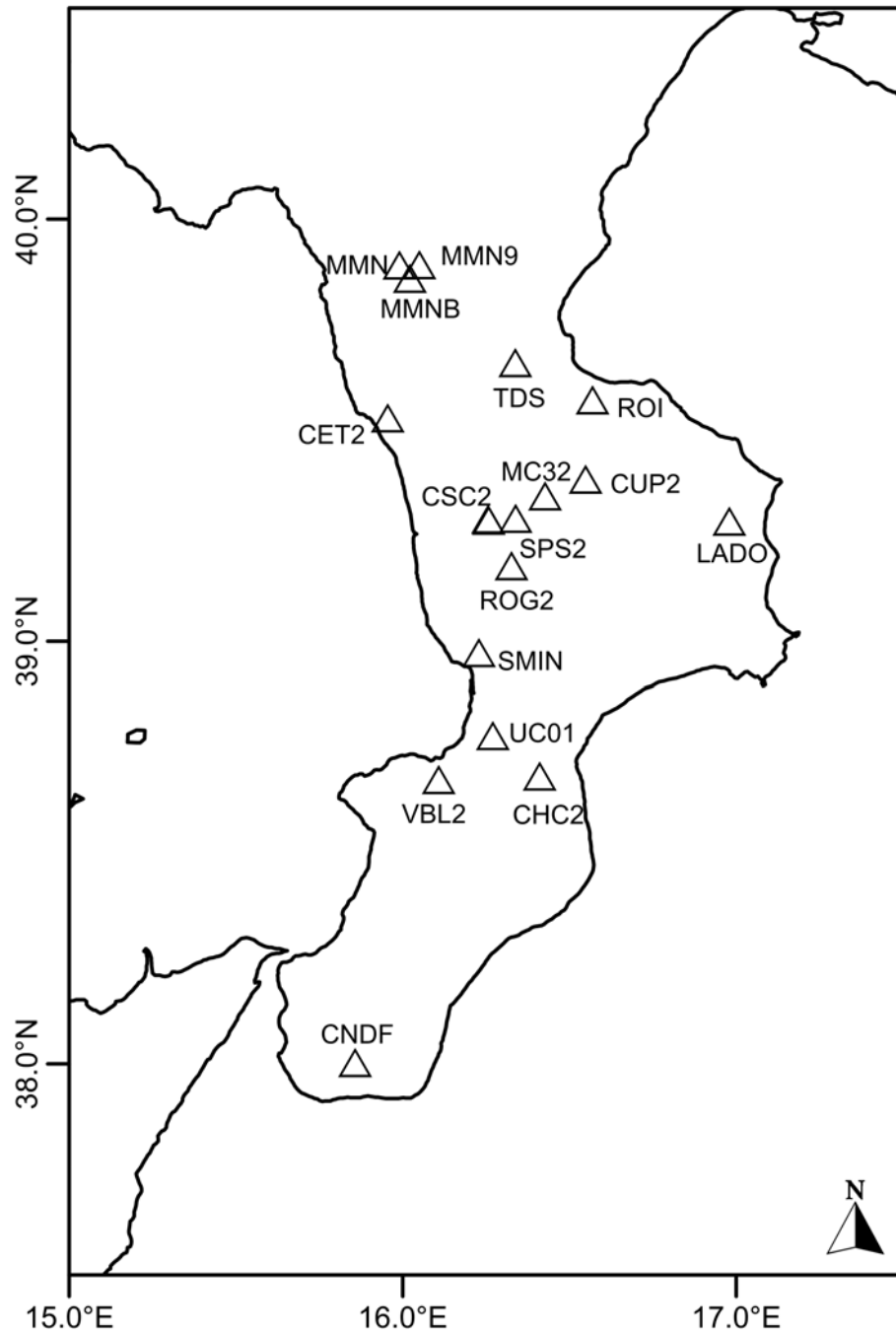
E

DELLE AREE CIRCOSTANTI

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

Periodo 16-31 Agosto 2015

Distribuzione delle stazioni della Rete Sismica UniCal – Pon MASSIMO



Toponomastica delle aree epicentrali



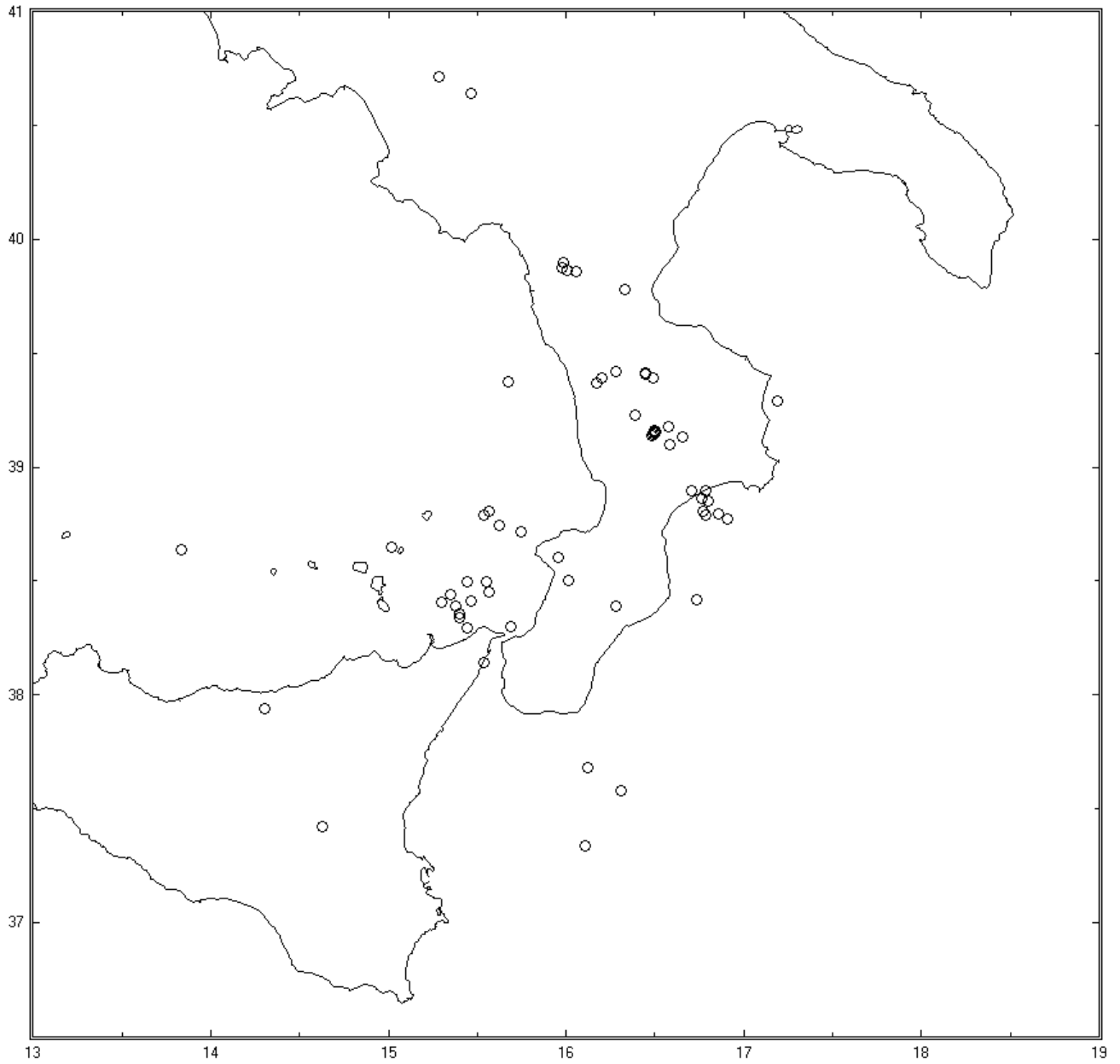
1 Murge	19 Piana di Sibari	37 Offshore Punta Stilo	55 Milazzo
2 Penisola Salentina	20 Valle dell'Esaro	38 Punta Stilo	56 Monti Peloritani
3 Piana del Bradano e del Basento	21 Catena del Pollino	39 Serre centro-settentrionali	57 Stretto di Messina
4 Golfo di Taranto	22 Marate - Rotonda	40 Valle del Mesima	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
150816	0021	21.8	39.1598	16.4942	13.9		0.40	0.23	0.47	8	148	0.08	0.03
150816	0124	32.7	39.4187	16.2790	14.5		0.55	0.42	0.40	6	311	0.07	0.10
150816	0235	6.4	39.1320	16.6564	3.1		0.19	0.19	0.42	6	137	0.07	0.03
150816	0425	42.3	39.3773	15.6773	95.6	1.8	1.80	2.97	4.72	26	173	0.59	0.20
150816	1332	36.9	39.0975	16.5805	3.1		2.42	1.69	3.54	6	180	0.61	0.30
150816	2158	39.9	38.5009	16.0130	12.5	1.6	0.32	0.30	0.79	16	141	0.14	0.05
150817	0114	15.7	38.7458	15.6220	90.8	2.4	0.95	1.38	3.60	50	132	0.45	0.09
150817	0114	16.0	38.4168	16.7316	116.9		9.37	26.89	6.05	8	344	0.76	0.94
150817	0318	8.0	38.7914	15.5383	162.4	2.4	1.30	2.27	3.56	43	167	0.43	0.11
150817	1301	46.8	38.4420	15.3516	116.4		1.34	1.56	0.93	6	290	0.12	0.13
150817	2120	56.9	38.3892	16.2813	5.3		2.30	1.77	4.10	6	157	0.71	0.30
150818	0313	23.4	37.9408	14.3019	32.6	2.5	1.00	0.82	3.56	46	52	0.55	0.09
150818	0559	14.6	40.6411	15.4663	0.0	3.1	0.50	0.60	1.93	50	98	0.43	0.07
150818	0925	6.6	39.7818	16.3305	22.7	1.3	1.26	1.27	3.40	29	121	0.59	0.15
150818	1924	6.7	40.7169	15.2821	9.7	2.2	0.58	0.81	2.86	39	141	0.49	0.11
150819	0126	4.1	39.1363	16.4849	15.9		0.75	0.65	1.92	14	108	0.33	0.10
150819	1442	51.7	37.3388	16.1066	29.8	2.5	1.56	2.05	3.26	35	231	0.50	0.29
150820	1435	43.6	38.6066	15.9551	13.9	1.8	0.61	0.76	2.31	33	89	0.40	0.08
150820	2216	5.5	39.1533	16.4940	16.3	0.9	0.86	0.64	1.67	16	153	0.29	0.09
150820	2348	48.7	38.4077	15.3008	130.4	2.6	1.57	1.89	3.31	39	121	0.41	0.10
150821	1438	32.0	38.3383	15.3985	121.8	2.5	1.55	1.86	3.31	35	67	0.41	0.09
150822	0101	45.2	39.3916	16.4873	13.0	1.3	0.67	0.56	2.35	30	68	0.41	0.09
150822	0239	26.6	39.1562	16.5062	15.4	1.2	0.78	0.51	0.99	9	163	0.17	0.07
150822	1022	12.0	38.4958	15.5523	131.0	1.9	1.37	2.72	2.85	20	126	0.34	0.13
150822	1223	28.1	39.1564	16.5005	12.9	0.9	0.37	0.29	0.92	14	99	0.16	0.05
150822	2242	10.9	37.4219	14.6287	23.2	2.5	0.71	0.73	3.24	47	61	0.50	0.09
150823	0712	34.2	37.5774	16.3121	28.8	2.0	1.12	2.24	3.10	33	230	0.48	0.27
150823	1737	3.0	39.2280	16.3917	0.0		1.82	1.74	1.31	6	197	0.29	0.20
150823	1930	26.9	38.4528	15.5667	131.4	2.2	1.34	1.95	3.73	49	106	0.45	0.09
150823	2301	14.2	38.8041	15.5651	87.3	1.8	2.14	3.03	4.93	23	182	0.62	0.24
150824	0439	9.6	38.3003	15.6922	17.8	1.4	0.63	0.53	1.92	22	113	0.33	0.08
150824	1748	42.0	38.6383	13.8337	35.8	2.5	1.47	0.92	3.29	26	143	0.42	0.13
150825	0357	0.2	39.8665	16.0055	0.0	1.8	0.76	1.21	2.88	26	120	0.64	0.13
150826	0022	49.6	39.1759	16.5788	31.9	0.5	3.58	2.47	3.74	10	137	0.58	0.20
150826	0227	6.1	38.8074	16.7736	2.6	1.3	1.07	2.29	2.35	16	218	0.52	0.33
150826	0229	53.6	38.8973	16.7888	32.0		1.03	1.87	2.03	8	216	0.31	0.20
150826	0247	42.8	38.7881	16.7852	22.8	1.1	1.27	1.61	2.61	18	201	0.45	0.25
150826	0319	6.2	38.8650	16.7631	22.3	1.6	1.20	1.74	3.28	22	189	0.57	0.25
150826	0428	35.3	38.7721	16.9055	19.8	3.1	0.63	1.05	3.18	81	180	0.55	0.15
150826	1235	22.8	38.8969	16.7045	25.5	1.3	1.42	2.18	3.61	19	176	0.56	0.21
150826	2240	49.6	38.8489	16.8007	31.1		1.82	3.44	3.68	8	221	0.57	0.39
150827	1448	15.0	38.4129	15.4662	115.8	2.1	2.27	2.57	3.82	29	171	0.46	0.14
150828	0104	23.6	39.2895	17.1928	16.6	0.3	1.63	2.92	2.39	9	293	0.37	0.48
150828	0122	26.1	37.6818	16.1219	36.5	1.4	1.72	3.50	3.31	13	235	0.42	0.37
150828	0503	34.3	38.1448	15.5404	7.3	2.1	0.33	0.22	1.08	31	81	0.19	0.03
150828	1917	1.6	39.3675	16.1715	6.0	1.2	0.45	0.58	2.32	36	117	0.40	0.09
150828	1955	4.4	39.8974	15.9814	6.3		1.56	0.84	0.72	6	174	0.12	0.07
150828	2319	32.1	39.8603	16.0572	7.6	1.1	0.53	0.55	1.58	15	107	0.27	0.07
150829	0319	29.3	38.4964	15.4409	120.5	1.5	3.91	3.58	3.36	11	182	0.40	0.19
150829	0525	4.3	38.7179	15.7464	151.7		2.01	3.57	2.79	10	198	0.34	0.15
150829	0751	50.5	38.3910	15.3803	111.4	2.0	1.60	1.87	3.89	29	96	0.49	0.12
150829	2007	21.3	39.8739	15.9790	2.3		0.44	0.36	0.85	10	130	0.19	0.07
150830	0257	30.5	39.1475	16.4977	17.6	0.8	0.42	0.48	1.42	19	71	0.25	0.06
150830	0813	22.5	39.1542	16.5035	18.9	1.4	0.63	0.47	1.03	12	110	0.18	0.06
150830	0946	42.5	39.3894	16.2017	0.0	1.3	0.67	0.92	2.05	19	108	0.46	0.12
150830	1010	55.8	39.1430	16.4919	16.6	1.2	0.45	0.48	1.54	19	58	0.27	0.06
150830	2318	50.3	38.3570	15.4032	110.0	1.8	2.97	4.71	5.02	13	106	0.63	0.28
150831	0005	40.0	38.6470	15.0186	270.9	2.7	2.29	2.37	4.14	54	127	0.48	0.09
150831	0012	15.3	38.2959	15.4431	59.6	2.5	0.78	0.83	4.27	74	57	0.53	0.07

Data	Orario		Lat N	LON E	H₀	m	δlat	δlon	δH₀	nr	GAP	sqm	δT₀
Aammgg	hhmm	ss.s	°	°	km		km	km	km		°	sec	sec
150831	0105	11.9	38.7958	16.8568	22.0	2.2	0.89	1.73	3.46	41	221	0.60	0.23
150831	0936	53.0	39.4130	16.4472	14.2	1.2	0.44	0.46	1.88	29	57	0.32	0.06
150831	1231	24.9	39.4106	16.4479	14.4	1.0	0.70	0.77	2.54	22	58	0.44	0.09

Epicentri localizzati nel periodo di riferimento



BOLLETTINO

1 150816 0021 21.7 - Sila Piccola
 Lat: 39.15 Lon: 16.49 Prof: 13.9 Km
 ± 0.40 km ± 0.23 km ± 0.5 km
 RMS: 0.08s GAP: 148.9° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
ROG2	P	21	25.62	14.68	278.0	0.042
ROG2	S	21	28.39	14.68	278.0	0.033
SPS2	P	21	26.32	19.81	317.2	0.041
SPS2	S	21	29.44	19.81	317.2	-0.131

2 150816 0124 32.7 - Valle del Crati
 Lat: 39.41 Lon: 16.27 Prof: 14.5 Km
 ± 0.55 km ± 0.42 km ± 0.4 km
 RMS: 0.07s GAP: 311.2° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
SPS2	P	24	36.72	15.07	160.0	0.062
SPS2	S	24	39.45	15.07	160.0	-0.074
ROG2	P	24	38.36	26.98	171.3	-0.012
ROG2	S	24	42.51	26.98	171.3	0.016

3 150816 0235 06.4 - Sila Piccola
 Lat: 39.13 Lon: 16.65 Prof: 3.1 Km
 ± 0.19 km ± 0.19 km ± 0.4 km
 RMS: 0.07s GAP: 137.5° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
SPS2	P	35	12.56	32.62	302.6	0.003
SPS2	S	35	17.01	32.62	302.6	-0.035

4 150816 0425 42.3 - Bacino di Paola
 Lat: 39.37 Lon: 15.67 Prof: 95.6 Km
 ± 1.80 km ± 2.97 km ± 4.7 km
 RMS: 0.59s GAP: 173.8° NR: 26

STN	PHASE	MN	SEC	DIST	AZM	RES
SPS2	P	25	57.54	57.82	99.7	-0.723
SPS2	S	26	10.80	57.82	99.7	0.886
ROG2	P	25	58.13	60.17	111.7	-0.306
ROG2	S	26	9.53	60.17	111.7	-0.682

5 150816 1332 36.8 - Sila Piccola
 Lat: 39.09 Lon: 16.58 Prof: 3.1 Km
 ± 2.42 km ± 1.69 km ± 3.5 km
 RMS: 0.61s GAP: 180.9° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
CSC2	P	32	43.88	34.87	306.8	0.522
CSC2	S	32	47.18	34.87	306.8	-0.923

6 150816 2158 39.9 - Piana di Gioia
 Lat: 38.50 Lon: 16.01 Prof: 12.5 Km
 ± 0.32 km ± 0.30 km ± 0.8 km
 RMS: 0.14s GAP: 142.0° NR: 16

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	58	50.32	56.89	194.1	-0.019
CNDF	S	58	57.87	56.89	194.1	-0.117

7 150817 0114 15.7 - Canyon di Stromboli
 Lat: 38.74 Lon: 15.62 Prof: 90.8 Km
 ± 0.95 km ± 1.38 km ± 3.6 km
 RMS: 0.45s GAP: 132.9° NR: 50

STN	PHASE	MN	SEC	DIST	AZM	RES
UC01	P	14	31.18	56.45	86.6	0.231
UC01	S	14	41.72	56.45	86.6	-0.375
ROG2	P	14	32.77	77.64	52.0	-0.046
ROG2	S	14	44.91	77.64	52.0	-0.420
SPS2	P	14	33.60	86.69	45.9	-0.052
SPS2	S	14	46.10	86.69	45.9	-0.678
CNDF	P	14	33.90	84.95	166.3	0.668
CNDF	S	14	46.79	84.95	166.3	0.739

8 150817 0114 16.0 - Offshore P. Stilo
 Lat: 38.41 Lon: 16.73 Prof: 116.9 Km
 ± 9.37 km ± 26.89 km ± 6.1 km
 RMS: 0.76s GAP: 344.4° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	14	37.89	98.64	12.2	0.747
LADO	S	14	51.74	98.64	12.2	-0.878

9 150817 0318 08.0 - Canyon di Stromboli
 Lat: 38.79 Lon: 15.53 Prof: 162.4 Km
 ± 1.30 km ± 2.27 km ± 3.6 km
 RMS: 0.43s GAP: 167.5° NR: 43

STN	PHASE	MN	SEC	DIST	AZM	RES
UC01	P	18	31.46	63.61	91.6	0.047
UC01	S	18	48.73	63.61	91.6	0.183
ROG2	P	18	32.34	80.64	58.0	-0.108
ROG2	S	18	49.67	80.64	58.0	-0.671
SPS2	P	18	33.11	88.76	51.5	0.170
CNDF	P	18	33.15	91.81	162.7	0.184
CNDF	S	18	52.17	91.81	162.7	0.932
LADO	P	18	35.88	136.22	66.3	-0.266
LADO	S	18	57.51	136.22	66.3	0.764

10 150817 1301 46.8 - Canyon di Stromboli
 Lat: 38.44 Lon: 15.35 Prof: 116.4 Km
 ± 1.34 km ± 1.56 km ± 0.9 km
 RMS: 0.12s GAP: 290.8° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	02	5.25	65.82	138.1	-0.058
CNDF	S	02	18.91	65.82	138.1	0.067

11 150817 2120 56.9 - Serre centro-sett.
 Lat: 38.38 Lon: 16.28 Prof: 5.3 Km
 ± 2.30 km ± 1.77 km ± 4.1 km
 RMS: 0.71s GAP: 157.1° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	21	7.91	56.70	221.0	0.715
CNDF	S	21	13.73	56.70	221.0	-0.986

12 150818 0313 23.3 - M. Nebrodi-Madonie
 Lat: 37.94 Lon: 14.30 Prof: 32.6 Km
 ± 1.00 km ± 0.82 km ± 3.6 km
 RMS: 0.55s GAP: 52.7° NR: 46

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	13	46.65	136.84	87.8	0.961
CNDF	S	14	2.49	136.84	87.8	0.474
UC01	P	13	52.72	195.49	62.2	-0.564
UC01	S	14	14.80	195.49	62.2	-0.369
SPS2	P	13	57.76	232.22	50.4	-0.648

13 150818 0559 14.6 - Appennino Lucano
 Lat: 40.64 Lon: 15.46 Prof: 0.0 Km
 ± 0.50 km ± 0.60 km ± 1.9 km
 RMS: 0.43s GAP: 98.9° NR: 50

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	59	31.78	94.49	152.2	-0.103
CET2	P	59	38.07	130.33	161.7	0.032
CET2	S	59	54.93	130.33	161.7	-0.245

14 150818 0925 06.5 - Valle dell'Esaro
 Lat: 39.78 Lon: 16.33 Prof: 22.7 Km
 ± 1.26 km ± 1.27 km ± 3.4 km
 RMS: 0.59s GAP: 121.1° NR: 29

STN	PHASE	MN	SEC	DIST	AZM	RES
TDS	P	25	10.55	13.59	177.5	-0.826
TDS	S	25	15.79	13.59	177.5	0.887
MMN	P	25	13.14	31.51	292.6	-0.524
ROI	P	25	13.26	31.03	138.6	-0.496
ROI	S	25	18.32	31.03	138.6	-0.705
CET2	P	25	15.90	42.77	229.0	0.431
CET2	S	25	21.69	42.77	229.0	-0.298

SPS2 P 25 16.71 54.49 179.2 -0.425

15 150818 1924 06.6 - Appennino Lucano
 Lat: 40.71 Lon: 15.28 Prof: 9.7 Km
 ± 0.58 km ± 0.81 km ± 2.9 km
 RMS: 0.49s GAP: 141.8° NR: 39

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	24	31.64	143.83	156.9	0.948
CET2	S	24	47.96	143.83	156.9	-0.308
TDS	P	24	32.08	147.85	142.9	-0.579

16 150819 0126 04.1 - Sila Piccola
 Lat: 39.13 Lon: 16.48 Prof: 15.9 Km
 ± 0.75 km ± 0.65 km ± 1.9 km
 RMS: 0.33s GAP: 108.6° NR: 14

STN	PHASE	MN	SEC	DIST	AZM	RES
ROG2	P	26	8.23	14.51	288.7	0.113
ROG2	S	26	11.08	14.51	288.7	0.023
SPS2	P	26	8.87	21.31	323.6	-0.136
SPS2	S	26	12.18	21.31	323.6	-0.418
SMIN	P	26	9.73	28.68	230.7	-0.363
SMIN	S	26	15.12	28.68	230.7	0.639
CUP2	P	26	9.92	27.97	11.1	-0.169
CUP2	S	26	15.06	27.97	11.1	0.586

17 150819 1442 51.6 - Piana bat. ionica
 Lat: 37.33 Lon: 16.10 Prof: 29.8 Km
 ± 1.56 km ± 2.05 km ± 3.3 km
 RMS: 0.50s GAP: 231.4° NR: 35

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	43	5.34	76.96	343.5	-0.372
CNDF	S	43	16.72	76.96	343.5	0.717

18 150820 1435 43.5 - Monte Poro
 Lat: 38.60 Lon: 15.95 Prof: 13.9 Km
 ± 0.61 km ± 0.76 km ± 2.3 km
 RMS: 0.40s GAP: 89.7° NR: 33

STN	PHASE	MN	SEC	DIST	AZM	RES
UC01	P	35	50.36	33.33	55.4	0.033
UC01	S	35	54.69	33.33	55.4	-0.566
CNDF	P	35	56.43	67.51	187.5	0.551
CNDF	S	36	4.84	67.51	187.5	-0.031
CET2	P	36	1.73	102.38	.2	-0.136

19 150820 2216 05.5 - Sila Piccola
 Lat: 39.15 Lon: 16.49 Prof: 16.3 Km
 ± 0.86 km ± 0.64 km ± 1.7 km
 RMS: 0.29s GAP: 153.2° NR: 16

STN	PHASE	MN	SEC	DIST	AZM	RES
ROG2	P	16	9.82	14.78	280.7	0.196
ROG2	S	16	12.31	14.78	280.7	-0.312
SPS2	P	16	10.26	20.33	318.6	-0.077
SPS2	S	16	13.73	20.33	318.6	-0.122
CET2	P	16	17.05	62.45	311.9	-0.213
CET2	S	16	25.16	62.45	311.9	-0.695

20 150820 2348 48.6 - Canyon di Stromboli
 Lat: 38.40 Lon: 15.30 Prof: 130.4 Km
 ± 1.57 km ± 1.89 km ± 3.3 km
 RMS: 0.41s GAP: 121.3° NR: 39

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	49	8.93	66.26	133.1	0.231
CNDF	S	49	24.03	66.26	133.1	0.662
ROG2	P	49	12.94	123.49	46.4	-0.493
ROG2	S	49	30.90	123.49	46.4	-0.666
CET2	P	49	14.44	136.74	24.9	0.643
LADO	P	49	18.32	175.20	56.3	0.159
LADO	S	49	40.59	175.20	56.3	0.836

21 150821 1438 31.9 - Bacino di Gioia
 Lat: 38.33 Lon: 15.39 Prof: 121.8 Km
 ± 1.55 km ± 1.86 km ± 3.3 km
 RMS: 0.41s GAP: 67.4° NR: 35

STN	PHASE	MN	SEC	DIST	AZM	RES
TDS	P	39	.45	167.69	29.2	-0.275
LADO	P	39	.88	172.83	52.6	0.083
LADO	S	39	22.25	172.83	52.6	0.365

22 150822 0101 45.2 - Sila Grande
 Lat: 39.39 Lon: 16.48 Prof: 13.0 Km
 ± 0.67 km ± 0.56 km ± 2.4 km
 RMS: 0.41s GAP: 69.0° NR: 30

STN	PHASE	MN	SEC	DIST	AZM	RES
CUP2	P	01	48.02	5.32	99.6	-0.053
CUP2	S	01	49.99	5.32	99.6	-0.165
SPS2	P	01	49.50	16.98	228.8	0.261
SPS2	S	01	52.51	16.98	228.8	0.337
SCOI	P	01	50.57	22.91	240.2	0.505
SCOI	S	01	54.54	22.91	240.2	0.935
ROG2	P	01	50.91	27.46	210.3	0.084
ROG2	S	01	54.89	27.46	210.3	-0.031
LADO	P	01	53.57	44.07	105.4	0.040
LADO	S	02	.29	44.07	105.4	0.684
CET2	P	01	54.23	48.30	288.4	-0.226
CET2	S	02	.73	48.30	288.4	-0.479
SMIN	P	01	54.71	51.58	205.6	-0.098
SMIN	S	02	1.77	51.58	205.6	-0.050

23 150822 0239 26.5 - Sila Piccola
 Lat: 39.15 Lon: 16.50 Prof: 15.4 Km
 ± 0.78 km ± 0.51 km ± 1.0 km
 RMS: 0.17s GAP: 163.5° NR: 9

STN	PHASE	MN	SEC	DIST	AZM	RES
SPS2	P	39	31.16	20.81	315.9	-0.205
SPS2	S	39	34.73	20.81	315.9	-0.139

24 150822 1022 12.0 - Bacino di Gioia
 Lat: 38.49 Lon: 15.55 Prof: 131.0 Km
 ± 1.37 km ± 2.72 km ± 2.8 km
 RMS: 0.34s GAP: 126.7° NR: 20

STN	PHASE	MN	SEC	DIST	AZM	RES
TDS	P	22	38.75	145.95	27.9	-0.142

25 150822 1223 28.1 - Sila Piccola
 Lat: 39.15 Lon: 16.50 Prof: 12.9 Km
 ± 0.37 km ± 0.29 km ± 0.9 km
 RMS: 0.16s GAP: 99.9° NR: 14

STN	PHASE	MN	SEC	DIST	AZM	RES
ROG2	P	23	31.79	15.27	279.1	-0.095
ROG2	S	23	34.59	15.27	279.1	-0.050
SPS2	P	23	32.41	20.45	316.8	-0.213
SPS2	S	23	35.91	20.45	316.8	-0.009
SMIN	P	23	34.46	31.15	229.1	0.164
SMIN	S	23	38.63	31.15	229.1	-0.186

26 150822 2242 10.8 - Sicilia Centro-Meridionale
 Lat: 37.42 Lon: 14.62 Prof: 23.2 Km
 ± 0.71 km ± 0.73 km ± 3.2 km
 RMS: 0.50s GAP: 61.9° NR: 47

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	42	31.81	126.07	59.8	0.336
CNDF	S	42	47.41	126.07	59.8	0.846

27 150823 0712 34.2 - Piana bat. ionica
 Lat: 37.57 Lon: 16.31 Prof: 28.8 Km
 ± 1.12 km ± 2.24 km ± 3.1 km
 RMS: 0.48s GAP: 230.9° NR: 33

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	12	46.43	61.97	319.8	0.399

LADO	P	28	46.83	57.18	6.0	0.696
LADO	S	28	53.87	57.18	6.0	-0.191
VBL2	P	28	48.07	70.21	260.9	-0.230
SPS2	P	28	48.62	75.68	319.3	-0.607
SPS2	S	28	58.70	75.68	319.3	-0.718
CUP2	P	28	48.90	74.58	335.2	-0.238
CUP2	S	29	-.22	74.58	335.2	0.505
SCOI	P	28	49.76	80.34	315.4	-0.204
SCOI	S	29	.73	80.34	315.4	0.034
CSC2	P	28	49.77	80.02	315.3	-0.147
CSC2	S	29	.72	80.02	315.3	0.107
ROI	P	28	51.95	93.42	341.6	-0.465
ROI	S	29	5.54	93.42	341.6	0.599
TDS	P	28	54.70	110.06	333.3	-0.207
TDS	S	29	9.98	110.06	333.3	0.723
CET2	P	28	55.00	117.53	315.5	0.793
CET2	S	29	9.00	117.53	315.5	0.956
CNDF	P	28	56.76	125.18	226.9	0.224
CNDF	S	29	11.94	125.18	226.9	-0.137
MMN9	P	29	-.33	144.54	329.2	0.059
MMN9	S	29	17.86	144.54	329.2	0.458
MMN	P	29	.63	147.14	327.4	0.712
MMN	S	29	18.60	147.14	327.4	0.665

40 150826 1235 22.8 - Stretta di Catanzaro
 Lat: 38.89 Lon: 16.70 Prof: 25.5 Km
 ± 1.42 km ± 2.18 km ± 3.6 km
 RMS: 0.56s GAP: 176.2° NR: 19

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	35	33.58	49.11	28.6	0.925
LADO	S	35	40.13	49.11	28.6	0.280

41 150826 2240 49.6 - G. di Squillace
 Lat: 38.84 Lon: 16.80 Prof: 31.1 Km
 ± 1.82 km ± 3.44 km ± 3.7 km
 RMS: 0.57s GAP: 221.2° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	41	0.00	51.52	285.3	-0.101
SMIN	S	41	7.80	51.52	285.3	0.047

42 150827 1448 14.9 - Bacino di Gioia
 Lat: 38.41 Lon: 15.46 Prof: 115.8 Km
 ± 2.27 km ± 2.57 km ± 3.8 km
 RMS: 0.46s GAP: 172.0° NR: 29

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	48	32.67	56.92	143.4	-0.180
CNDF	S	48	46.19	56.92	143.4	0.249
SMIN	P	48	35.39	90.88	47.1	-0.160
SMIN	S	48	50.50	90.88	47.1	-0.115
LADO	P	48	42.42	163.11	53.7	0.202
LADO	S	49	2.49	163.11	53.7	0.327

43 150828 0104 23.5 - Offshore Crotona
 Lat: 39.28 Lon: 17.19 Prof: 16.6 Km
 ± 1.63 km ± 2.92 km ± 2.4 km
 RMS: 0.37s GAP: 293.4° NR: 9

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	04	28.34	18.43	267.5	0.250
LADO	S	04	30.97	18.43	267.5	-0.415

44 150828 0122 26.0 - Piana bat. ionica
 Lat: 37.68 Lon: 16.12 Prof: 36.5 Km
 ± 1.72 km ± 3.50 km ± 3.3 km
 RMS: 0.42s GAP: 236.0° NR: 13

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	22	35.89	42.61	327.0	0.377
CNDF	S	22	42.58	42.61	327.0	0.173

45 150828 0503 34.3 - Stretto di Messina
 Lat: 38.14 Lon: 15.54 Prof: 7.3 Km
 ± 0.33 km ± 0.22 km ± 1.1 km
 RMS: 0.19s GAP: 81.4° NR: 31

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	25	27.52	79.91	173.3	0.153
CNDF	S	25	44.98	79.91	173.3	0.696
CET2	P	25	27.88	91.80	11.6	0.282
CET2	S	25	44.73	91.80	11.6	0.043

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	03	40.47	31.93	119.8	0.102
CNDF	S	03	44.61	31.93	119.8	-0.195
UC01	P	03	51.20	94.79	42.4	-0.197
UC01	S	04	3.96	94.79	42.4	0.052

46 150828 1917 01.6 - Valle del Crati
 Lat: 39.36 Lon: 16.17 Prof: 6.0 Km
 ± 0.45 km ± 0.58 km ± 2.3 km
 RMS: 0.40s GAP: 117.4° NR: 36

STN	PHASE	MN	SEC	DIST	AZM	RES
SCOI	P	17	4.19	11.36	139.9	0.044
SCOI	S	17	5.89	11.36	139.9	-0.099
CSC2	P	17	4.32	11.69	140.5	0.117
CSC2	S	17	6.24	11.69	140.5	0.149
SPS2	P	17	5.06	16.73	120.5	-0.013
SPS2	S	17	7.09	16.73	120.5	-0.519
ROG2	P	17	6.58	24.87	147.6	0.122
ROG2	S	17	9.85	24.87	147.6	-0.142
CET2	P	17	6.72	25.87	313.9	-0.095
CET2	S	17	9.96	25.87	313.9	-0.655
CUP2	P	17	7.76	32.50	86.8	-0.089
CUP2	S	17	12.19	32.50	86.8	-0.217
TDS	P	17	8.08	35.40	23.7	-0.130
TDS	S	17	12.98	35.40	23.7	-0.053
ROI	P	17	9.86	41.05	56.4	0.314
ROI	S	17	15.66	41.05	56.4	0.311
SMIN	P	17	10.01	44.07	173.6	0.262
SMIN	S	17	16.02	44.07	173.6	0.322
LADO	P	17	15.08	70.27	97.4	0.840
LADO	S	17	22.62	70.27	97.4	-0.856

47 150828 1955 04.4 - Alto Tirreno Cosentino
 Lat: 39.89 Lon: 15.98 Prof: 6.3 Km
 ± 1.56 km ± 0.84 km ± 0.7 km
 RMS: 0.12s GAP: 174.4° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	55	5.99	1.07	132.9	0.115
MMN	S	55	6.80	1.07	132.9	-0.131
MMN9	P	55	6.26	5.93	96.1	-0.048
MMN9	S	55	7.73	5.93	96.1	0.055

48 150828 2319 32.0 - Alto Tirreno Cosentino
 Lat: 39.86 Lon: 16.05 Prof: 7.6 Km
 ± 0.53 km ± 0.55 km ± 1.6 km
 RMS: 0.27s GAP: 107.3° NR: 15

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	19	34.01	3.54	350.6	0.092
MMN9	S	19	35.25	3.54	350.6	-0.001
MMN	P	19	34.21	6.62	300.9	0.030
MMN	S	19	35.28	6.62	300.9	-0.429
MMNB	P	19	34.69	8.76	71.2	0.099
MMNB	S	19	36.43	8.76	71.2	0.013
CET2	P	19	39.29	37.85	193.6	-0.096
CET2	S	19	44.33	37.85	193.6	-0.397

49 150829 0319 29.3 - Bacino di Gioia
 Lat: 38.49 Lon: 15.44 Prof: 120.5 Km
 ± 3.91 km ± 3.58 km ± 3.4 km
 RMS: 0.40s GAP: 182.2° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	19	50.32	86.51	52.6	0.319
SMIN	S	20	4.19	86.51	52.6	-0.930

50 150829 0525 04.2 - Bacino di Gioia
 Lat: 38.71 Lon: 15.74 Prof: 151.7 Km
 ± 2.01 km ± 3.57 km ± 2.8 km
 RMS: 0.34s GAP: 198.2° NR: 10

51 150829 0751 50.5 - Bacino di Gioia
 Lat: 38.39 Lon: 15.38 Prof: 111.4 Km
 ± 1.60 km ± 1.87 km ± 3.9 km
 RMS: 0.49s GAP: 96.9° NR: 29

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	52	8.50	59.98	136.2	0.178
CNDF	S	52	22.08	59.98	136.2	0.741
CET2	P	52	14.98	135.76	21.9	0.730

52 150829 2007 21.3 - Alto Tirreno Cosentino
 Lat: 39.87 Lon: 15.97 Prof: 2.3 Km
 ± 0.44 km ± 0.36 km ± 0.9 km
 RMS: 0.19s GAP: 130.5° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	07	22.18	2.13	27.9	-0.002
MMN	S	07	22.60	2.13	27.9	-0.203
MMN9	P	07	23.13	6.42	72.0	0.193
MMN9	S	07	24.48	6.42	72.0	0.367
MMNB	P	07	24.60	15.04	85.0	-0.146
MMNB	S	07	26.96	15.04	85.0	-0.287
CET2	P	07	28.82	38.37	183.3	0.016
CET2	S	07	34.28	38.37	183.3	0.006

53 150830 0257 30.5 - Sila Piccola
 Lat: 39.14 Lon: 16.49 Prof: 17.6 Km
 ± 0.42 km ± 0.48 km ± 1.4 km
 RMS: 0.25s GAP: 71.6° NR: 19

STN	PHASE	MN	SEC	DIST	AZM	RES
ROG2	P	57	34.84	15.23	282.9	-0.021
ROG2	S	57	37.65	15.23	282.9	-0.372
SPS2	P	57	35.44	21.03	319.1	-0.148
SPS2	S	57	38.89	21.03	319.1	-0.389
CUP2	P	57	36.75	26.55	9.3	0.278
CUP2	S	57	41.27	26.55	9.3	0.459
SMIN	P	57	37.02	30.32	230.2	0.093
SMIN	S	57	41.86	30.32	230.2	0.261
CET2	P	57	42.10	63.12	312.1	-0.288

54 150830 0813 22.5 - Sila Piccola
 Lat: 39.15 Lon: 16.50 Prof: 18.9 Km
 ± 0.63 km ± 0.47 km ± 1.0 km
 RMS: 0.18s GAP: 111.0° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	13	34.11	62.99	311.3	-0.180

55 150830 0946 42.4 - Valle del Crati
 Lat: 39.38 Lon: 16.20 Prof: 0.0 Km
 ± 0.67 km ± 0.92 km ± 2.1 km
 RMS: 0.46s GAP: 108.5° NR: 19

STN	PHASE	MN	SEC	DIST	AZM	RES
SCOI	P	46	45.25	12.07	157.0	0.089
SCOI	S	46	46.87	12.07	157.0	-0.255
CSC2	P	46	45.30	12.42	157.1	0.061
CSC2	S	46	47.06	12.42	157.1	-0.199
SPS2	P	46	46.04	16.09	132.7	-0.015
SPS2	S	46	48.18	16.09	132.7	-0.494
CET2	P	46	48.10	26.30	306.1	-0.100
CET2	S	46	51.53	26.30	306.1	-0.862

56 150830 1010 55.8 - Sila Piccola
 Lat: 39.14 Lon: 16.49 Prof: 16.6 Km
 ± 0.45 km ± 0.48 km ± 1.5 km
 RMS: 0.27s GAP: 58.6° NR: 19

STN	PHASE	MN	SEC	DIST	AZM	RES
ROG2	P	11	0.00	14.87	285.2	0.030
ROG2	S	11	2.82	14.87	285.2	-0.186
SPS2	P	11	.69	21.09	321.1	-0.078
SPS2	S	11	4.20	21.09	321.1	-0.188
SMIN	P	11	2.21	29.62	230.3	0.194
SMIN	S	11	6.82	29.62	230.3	0.270

57 150830 2318 50.2 - Bacino di Gioia
 Lat: 38.35 Lon: 15.40 Prof: 110.0 Km
 ± 2.97 km ± 4.71 km ± 5.0 km
 RMS: 0.63s GAP: 106.5° NR: 13

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	19	7.93	55.89	135.0	0.335
CNDF	S	19	21.12	55.89	135.0	0.847
CET2	P	19	14.81	138.59	20.5	0.717
CET2	S	19	32.41	138.59	20.5	0.885

58 150831 0005 40.0 - Panarea
 Lat: 38.64 Lon: 15.01 Prof: 270.9 Km
 ± 2.29 km ± 2.37 km ± 4.1 km
 RMS: 0.48s GAP: 127.7° NR: 54

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	06	17.17	111.12	71.4	-0.621
SMIN	S	06	44.49	111.12	71.4	-0.956
CNDF	P	06	17.51	102.39	134.8	0.161
CNDF	S	06	45.26	102.39	134.8	0.579
ROG2	P	06	18.12	127.82	62.9	-0.530
ROG2	S	06	46.46	127.82	62.9	-0.474
CET2	P	06	18.15	127.05	40.1	0.348
CET2	S	06	46.45	127.05	40.1	0.985
TDS	P	06	20.48	160.08	45.8	-0.085
TDS	S	06	51.12	160.08	45.8	0.868

59 150831 0012 15.3 - Milazzo
 Lat: 38.29 Lon: 15.44 Prof: 59.6 Km
 ± 0.78 km ± 0.83 km ± 4.3 km
 RMS: 0.53s GAP: 58.0° NR: 74

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	12	27.20	48.71	132.2	0.118
CNDF	S	12	36.15	48.71	132.2	0.466
SMIN	P	12	32.58	101.59	42.5	-0.586
SMIN	S	12	45.41	101.59	42.5	-0.812
ROG2	P	12	35.47	124.45	38.3	-0.498
ROG2	S	12	50.22	124.45	38.3	-0.855
CET2	P	12	37.94	143.87	18.3	0.897
CET2	S	12	53.65	143.87	18.3	0.713
CUP2	P	12	39.70	154.20	38.6	0.307
CUP2	S	12	57.78	154.20	38.6	0.774
TDS	P	12	40.84	170.04	27.3	-0.842
MMN	P	12	43.38	183.29	15.3	-0.004
MMN	S	12	3.10	183.29	15.3	-0.820

60 150831 0105 11.9 - G. di Squillace
 Lat: 38.79 Lon: 16.85 Prof: 22.0 Km
 ± 0.89 km ± 1.73 km ± 3.5 km
 RMS: 0.60s GAP: 221.4° NR: 41

STN	PHASE	MN	SEC	DIST	AZM	RES
CHC2	P	05	20.56	40.81	251.7	0.105
CHC2	S	05	27.46	40.81	251.7	0.757
SMIN	P	05	22.46	57.97	289.6	-0.552
SMIN	S	05	30.23	57.97	289.6	-0.903
ROG2	P	05	23.00	62.60	312.5	-0.772
ROG2	S	05	31.94	62.60	312.5	-0.508
CUP2	P	05	24.89	70.49	337.5	-0.273
CUP2	S	05	35.69	70.49	337.5	0.832
TDS	P	05	30.55	105.85	334.7	-0.123
TDS	S	05	45.11	105.85	334.7	0.708
CET2	P	05	30.93	112.70	316.1	0.942
CET2	S	05	43.52	112.70	316.1	0.305
CNDF	P	05	33.70	123.95	224.7	0.967

61 150831 0936 53.0 - Sila Grande
 Lat: 39.41 Lon: 16.44 Prof: 14.2 Km
 ± 0.44 km ± 0.46 km ± 1.9 km
 RMS: 0.32s GAP: 57.7° NR: 29

STN	PHASE	MN	SEC	DIST	AZM	RES
CUP2	P	36	56.50	9.29	110.5	0.124
CUP2	S	36	59.03	9.29	110.5	0.206
SPS2	P	36	57.44	16.45	214.5	0.350
SPS2	S	37	.20	16.45	214.5	0.138

CSC2	P	36	57.90	21.54	229.2	0.132
CSC2	S	37	1.35	21.54	229.2	0.113
ROI	P	36	57.94	20.51	30.6	0.118
ROI	S	37	1.25	20.51	30.6	-0.082
ROG2	P	36	58.90	28.07	201.8	0.092
ROG2	S	37	2.73	28.07	201.8	-0.308
TDS	P	36	59.41	28.94	340.9	0.524
TDS	S	37	3.28	28.94	340.9	0.108
CET2	P	37	1.53	44.29	286.9	-0.091
CET2	S	37	7.27	44.29	286.9	-0.644
LADO	P	37	2.64	48.06	107.0	0.594
LADO	S	37	8.41	48.06	107.0	-0.236

62 150831 1231 24.8 - Sila Grande

Lat: 39.41 Lon: 16.44 Prof: 14.4 Km
± 0.70 km ± 0.77 km ± 2.5 km
RMS: 0.44s GAP: 58.6° NR: 22

STN	PHASE	MN	SEC	DIST	AZM	RES
CUP2	P	31	28.27	9.14	109.0	0.047
CUP2	S	31	30.69	9.14	109.0	0.008
ROI	P	31	29.64	20.72	30.1	-0.063
ROI	S	31	33.67	20.72	30.1	0.422
TDS	P	31	30.83	29.22	340.9	0.053
TDS	S	31	35.46	29.22	340.9	0.352
CET2	P	31	34.40	44.43	287.2	0.912
CET2	S	31	39.22	44.43	287.2	-0.581