



**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

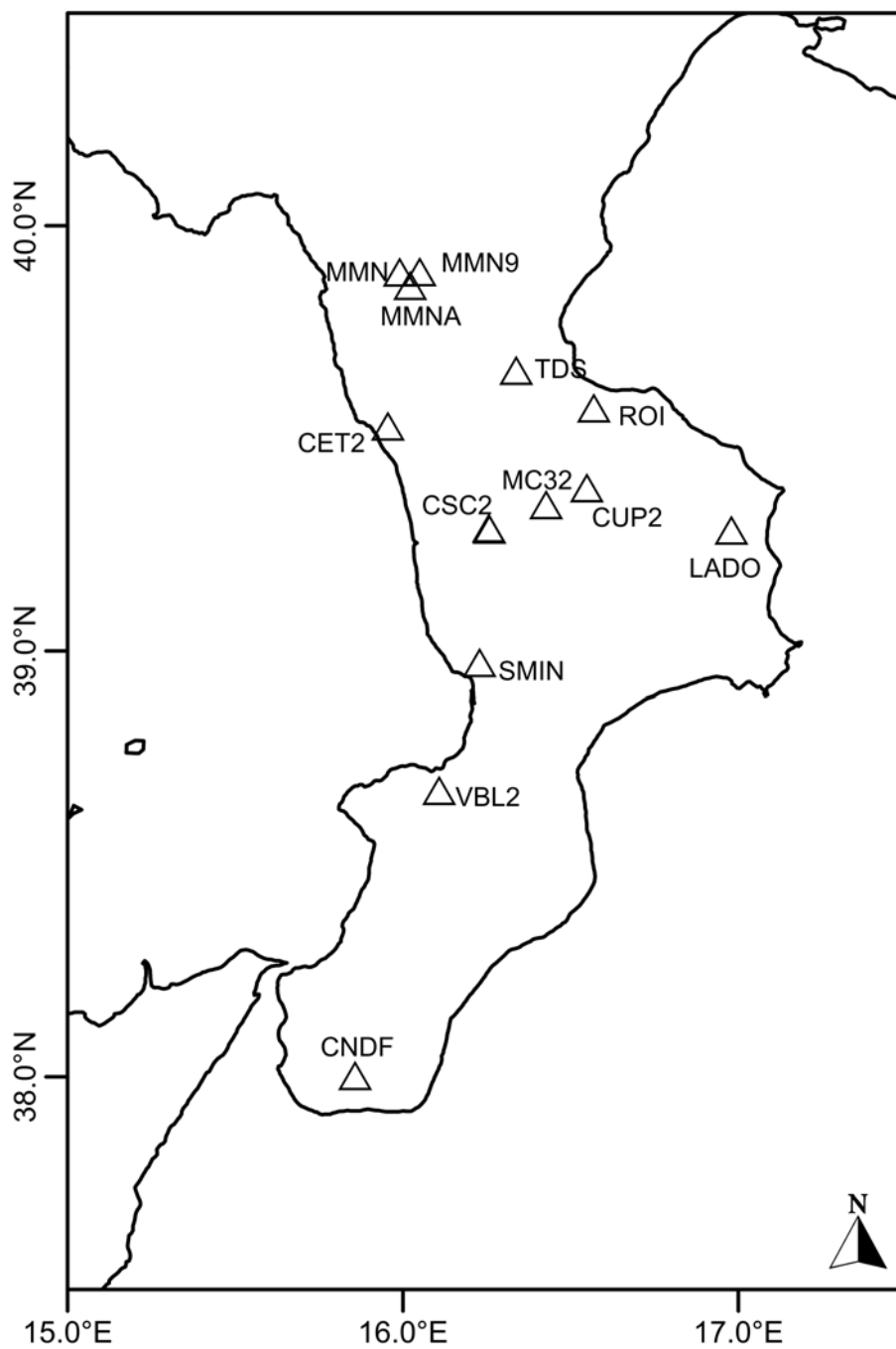
E

DELLE AREE CIRCOSTANTI

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

Periodo 16-30 Novembre 2014

Distribuzione delle stazioni della Rete Sismica UniCal – Pon MASSIMO



Toponomastica delle aree epicentrali

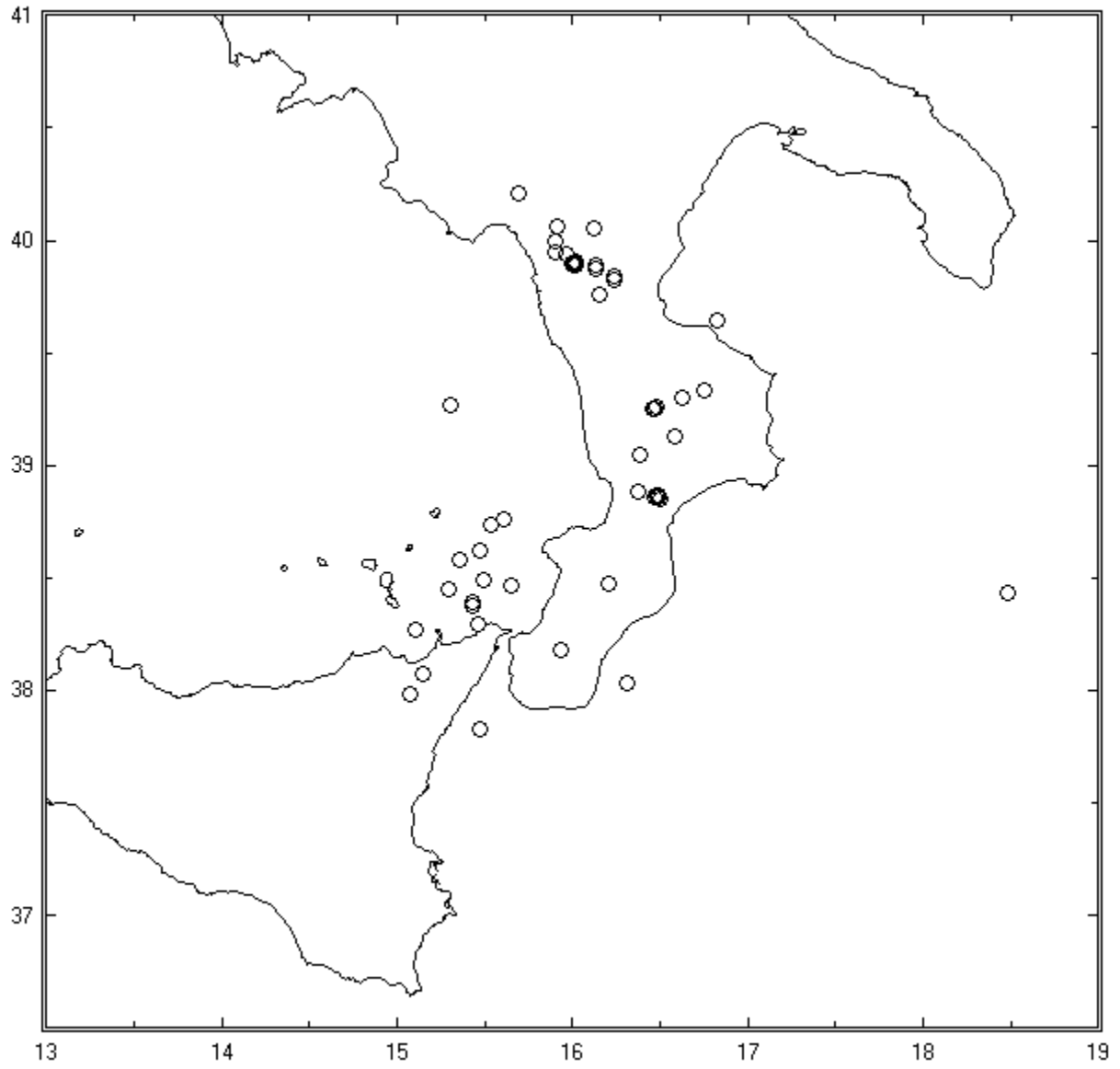


1 Murge	19 Piana di Sibari	37 Offshore Punta Stilo	55 Milazzo
2 Penisola Salentina	20 Valle dell'Esaro	38 Punta Stilo	56 Monti Peloritani
3 Piana del Bradano e del Basento	21 Catena del Pollino	39 Serre centro-settentrionali	57 Stretto di Messina
4 Golfo di Taranto	22 Marate - Rotonda	40 Valle del Mesima	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 ₀	m	Δlat	Δlon	ΔH ₀	nr	GAP	sqm	ΔT ₀
	aammgg	hhmm ss.s	°	°	km		km	km	km		°	sec	sec
141116	1238	41.1	38.2702	15.1019	17.1	2.8	0.53	0.43	2.00	43	42	0.34	0.06
141116	1643	40.5	38.4493	15.2964	129.7	2.3	1.45	1.51	2.49	31	96	0.31	0.08
141117	2226	29.4	39.8429	16.2374	4.2	1.5	0.81	0.56	1.36	10	156	0.30	0.11
141118	0255	19.8	38.0304	16.3139	43.9	2.7	1.02	1.35	3.92	55	201	0.50	0.15
141119	1200	55.4	39.9412	15.9634	46.6	1.7	0.85	1.16	2.13	20	106	0.27	0.06
141119	1858	3.1	38.4879	15.4888	129.6	2.6	1.09	1.92	3.39	45	72	0.41	0.09
141120	0928	34.3	39.3035	16.6221	11.7	1.5	0.74	0.73	2.49	21	76	0.43	0.10
141121	1737	22.7	39.8935	16.1271	8.1	1.5	0.72	0.60	2.02	18	68	0.35	0.09
141121	2102	47.7	39.8974	16.0065	9.3	2.4	0.48	0.63	2.42	46	104	0.42	0.06
141122	0020	41.0	39.6435	16.8215	23.4	2.0	0.60	0.84	2.78	38	90	0.48	0.10
141122	0025	27.8	39.8967	15.9997	6.0	0.8	0.65	0.71	1.71	16	120	0.29	0.08
141122	0139	0.7	39.9055	16.0210	5.9	1.7	0.59	0.67	2.46	32	61	0.42	0.08
141122	0819	5.1	39.9000	16.0178	7.4	1.6	0.44	0.49	1.69	28	58	0.29	0.06
141122	1303	27.4	39.9446	15.8967	6.5	1.6	0.82	0.86	2.55	23	114	0.44	0.10
141122	1407	40.5	39.8978	16.0120	6.5	1.0	0.62	0.62	1.40	13	128	0.24	0.08
141122	2039	39.5	38.3901	15.4346	115.1	2.2	1.37	1.92	3.92	37	111	0.49	0.11
141122	2141	50.7	39.8943	16.0008	5.7	1.1	0.36	0.43	1.03	16	113	0.18	0.04
141122	2357	34.7	39.8725	16.1302	8.0	1.2	0.72	0.56	1.00	9	149	0.22	0.10
141123	0315	59.2	39.1301	16.5815	22.1	1.2	1.11	1.01	2.03	12	155	0.35	0.13
141123	1145	3.8	38.5806	15.3605	10.0	2.4	0.46	0.53	2.39	48	58	0.41	0.07
141123	1612	2.8	38.1763	15.9288	20.3	1.9	0.50	0.48	1.64	27	80	0.28	0.06
141123	1938	0.4	39.7603	16.1511	0.0	1.2	0.53	0.68	1.84	18	79	0.41	0.10
141123	2326	25.8	39.8931	16.0048	6.4	1.1	0.49	0.48	0.49	6	265	0.08	0.09
141124	0802	14.0	40.2098	15.6878	13.9	2.1	0.52	0.52	1.90	25	70	0.33	0.07
141124	1011	36.5	40.0514	16.1232	20.6	0.7	0.76	1.05	2.05	20	98	0.35	0.10
141124	1232	5.4	38.2920	15.4581	116.7	2.2	1.65	1.65	3.75	37	49	0.47	0.08
141124	1750	8.4	38.7393	15.5395	74.6	1.7	1.46	2.52	3.91	18	174	0.49	0.18
141124	1821	13.5	39.3300	16.7492	32.3	1.0	0.78	0.99	1.79	13	85	0.28	0.08
141124	1954	2.7	38.7567	15.6056	171.0	2.3	1.10	1.77	2.81	39	146	0.34	0.08
141125	0043	41.8	39.0434	16.3858	17.3	1.2	0.55	0.63	2.04	20	103	0.35	0.09
141125	1343	11.5	39.9997	15.9033	9.4	1.9	0.62	0.74	2.50	29	89	0.43	0.08
141126	0957	16.6	37.8277	15.4763	21.6	2.2	0.53	0.49	2.01	39	124	0.35	0.07
141126	1722	4.2	38.3759	15.4254	114.8	2.4	1.33	1.52	3.50	39	93	0.44	0.08
141126	2320	16.9	39.8915	16.0142	5.5	1.0	0.57	0.66	1.61	16	110	0.28	0.07
141126	2328	27.7	38.4314	18.4765	55.0	2.9	2.29	3.28	3.76	37	257	0.47	0.43
141127	0831	27.7	38.6200	15.4663	142.0	2.6	1.09	1.30	1.73	36	108	0.21	0.05
141127	0905	12.5	38.8553	16.4850	23.9	2.7	0.44	0.73	1.84	36	143	0.32	0.06
141127	0909	43.6	38.8613	16.4856	25.0	3.0	0.44	0.77	2.10	56	142	0.36	0.07
141127	0914	4.1	38.8525	16.4943	21.6	1.8	0.63	0.93	2.18	23	145	0.38	0.09
141127	0917	60.0	38.8801	16.3768	0.0	0.1	0.69	1.09	2.09	27	148	0.47	0.11
141127	0925	17.5	38.8630	16.4758	21.0	1.6	0.49	0.65	1.60	19	140	0.28	0.07
141127	0934	24.4	38.8564	16.4896	22.1	1.5	0.58	0.92	1.68	15	144	0.29	0.10
141127	0946	53.5	38.8583	16.4671	21.9	1.5	0.62	0.89	2.21	19	138	0.38	0.11
141127	1601	44.1	40.0646	15.9149	7.6	1.4	0.29	0.43	1.17	18	116	0.20	0.05
141127	1746	28.3	38.0697	15.1423	11.1	1.6	0.51	0.37	1.44	23	71	0.25	0.06
141127	2120	51.2	38.4771	16.2026	22.6	2.2	0.48	0.64	1.82	28	97	0.31	0.07
141128	0051	47.9	38.8652	16.4845	21.5	1.5	0.60	1.10	1.96	18	142	0.34	0.10
141128	0345	55.0	37.9819	15.0688	7.9	2.2	1.08	0.54	1.76	17	183	0.30	0.12
141128	0454	40.8	38.8610	16.4930	23.5	1.7	0.75	1.26	2.33	19	144	0.40	0.12
141128	1713	10.9	39.2699	15.2998	241.5	2.6	3.34	6.04	3.75	19	230	0.45	0.33
141128	1948	43.0	38.4677	15.6528	58.7	2.4	1.33	1.56	4.25	25	112	0.54	0.12
141129	0838	40.6	39.2619	16.4743	19.7	1.3	0.63	0.57	1.64	20	124	0.28	0.07
141129	1421	48.7	39.2556	16.4674	17.2	1.4	0.92	0.86	2.32	18	127	0.40	0.12
141129	1620	52.4	39.2481	16.4566	19.5	1.5	0.62	0.68	2.33	26	75	0.40	0.08
141129	2305	58.8	39.8274	16.2391	6.0	1.2	0.89	0.76	1.70	12	157	0.38	0.12

Epicentri localizzati nel periodo di riferimento



BOLLETTINO

1 141116 1238 41.0 - Vulcano
 Lat: 38.27 Lon: 15.10 Prof: 17.1 Km
 ± 0.53 km ± 0.43 km ± 2.0 km
 RMS: 0.34s GAP: 42.3° NR: 43

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	38	54.26	72.55	114.6	-0.031
CNDF	S	39	3.77	72.55	114.6	-0.210

2 141116 1643 40.5 - Canyon di Stromboli
 Lat: 38.44 Lon: 15.29 Prof: 129.7 Km
 ± 1.45 km ± 1.51 km ± 2.5 km
 RMS: 0.31s GAP: 96.3° NR: 31

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	44	0.84	69.73	135.6	0.128
CNDF	S	44	15.99	69.73	135.6	0.504

3 141117 2226 29.3 - Catena del Pollino
 Lat: 39.84 Lon: 16.23 Prof: 4.2 Km
 ± 0.81 km ± 0.56 km ± 1.4 km
 RMS: 0.30s GAP: 156.6° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
MMNA	P	26	31.31	6.86	285.7	0.071
MMNA	S	26	32.57	6.86	285.7	-0.036

4 141118 0255 19.7 - Offshore Locride
 Lat: 38.03 Lon: 16.31 Prof: 43.9 Km
 ± 1.02 km ± 1.35 km ± 3.9 km
 RMS: 0.50s GAP: 201.8° NR: 55

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	55	29.97	40.22	265.8	0.534
CNDF	S	55	36.61	40.22	265.8	0.086
ROI	P	55	47.07	172.54	7.3	0.993
ROI	S	56	5.48	172.54	7.3	0.134

5 141119 1201 55.3 - Maratea - Rotonda
 Lat: 39.94 Lon: 15.96 Prof: 46.6 Km
 ± 0.85 km ± 1.16 km ± 2.1 km
 RMS: 0.27s GAP: 106.2° NR: 20

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	01	3.57	6.05	157.6	0.248
MMN	S	01	9.46	6.05	157.6	0.308
CET2	P	01	5.57	45.79	181.1	0.137
CET2	S	01	12.68	45.79	181.1	-0.128

6 141119 1858 03.0 - Bacino di Gioia
 Lat: 38.48 Lon: 15.48 Prof: 129.6 Km
 ± 1.09 km ± 1.92 km ± 3.4 km
 RMS: 0.41s GAP: 72.4° NR: 45

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	58	22.90	62.72	149.4	0.111
CNDF	S	58	37.70	62.72	149.4	0.471
CET2	P	58	27.53	122.39	19.6	0.774
CET2	S	58	43.32	122.39	19.6	-0.777
TDS	P	58	30.04	149.35	29.7	-0.149
ROI	P	58	31.22	152.41	38.0	0.823
ROI	S	58	50.00	152.41	38.0	-0.400
MMNA	P	58	32.13	162.96	21.1	0.192
MMNA	S	58	52.80	162.96	21.1	-0.272

7 141120 0928 34.3 - Sila Grande
 Lat: 39.30 Lon: 16.62 Prof: 11.7 Km
 ± 0.74 km ± 0.73 km ± 2.5 km
 RMS: 0.43s GAP: 76.5° NR: 21

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	28	40.03	30.89	93.7	-0.348
LADO	S	28	44.53	30.89	93.7	-0.278
ROI	P	28	40.15	30.13	351.1	-0.350
ROI	S	28	44.48	30.13	351.1	-0.539
TDS	P	28	43.02	46.49	328.0	0.066
TDS	S	28	49.80	46.49	328.0	0.533
CET2	P	28	46.27	62.69	293.5	0.294
CET2	S	28	53.57	62.69	293.5	-0.931

8 141121 1737 22.6 - Alto Tirreno Cosentino
 Lat: 39.89 Lon: 16.12 Prof: 8.1 Km
 ± 0.72 km ± 0.60 km ± 2.0 km
 RMS: 0.35s GAP: 68.3° NR: 18

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	37	24.89	6.56	268.5	-0.082
MMN9	S	37	26.18	6.56	268.5	-0.481
MMNA	P	37	25.03	4.70	143.0	0.165
MMNA	S	37	26.70	4.70	143.0	0.229
MMN	P	37	25.62	11.67	268.7	-0.006
MMN	S	37	27.20	11.67	268.7	-0.594
CET2	P	37	30.97	43.10	200.2	-0.013
CET2	S	37	36.80	43.10	200.2	-0.271

9 141121 2102 47.6 - Alto Tirreno Cosentino
 Lat: 39.89 Lon: 16.00 Prof: 9.3 Km
 ± 0.48 km ± 0.63 km ± 2.4 km
 RMS: 0.42s GAP: 104.5° NR: 46

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	02	49.50	3.80	99.4	-0.268
MMN9	S	02	50.73	3.80	99.4	-0.587
MMNA	P	02	50.91	13.80	107.8	-0.158
MMNA	S	02	53.43	13.80	107.8	-0.129
TDS	P	02	55.19	38.74	133.0	0.295
CET2	P	02	55.47	41.16	186.4	-0.088
CET2	S	03	1.03	41.16	186.4	-0.309
ROI	P	02	58.85	60.28	126.8	-0.090
ROI	S	03	7.77	60.28	126.8	0.571
SCOI	P	03	1.21	70.84	162.4	0.823
SCOI	S	03	10.10	70.84	162.4	0.394
LADO	P	03	7.19	107.80	129.0	0.422
LADO	S	03	21.48	107.80	129.0	0.723
CNDF	P	03	22.16	210.67	183.7	0.241
CNDF	S	03	46.20	210.67	183.7	-0.789

10 141122 0020 41.0 - G. di Sibari
 Lat: 39.64 Lon: 16.82 Prof: 23.4 Km
 ± 0.60 km ± 0.84 km ± 2.8 km
 RMS: 0.48s GAP: 90.4° NR: 38

STN	PHASE	MN	SEC	DIST	AZM	RES
ROI	P	20	47.49	23.08	249.5	0.259
ROI	S	20	51.99	23.08	249.5	0.227
LADO	P	20	49.48	42.16	160.8	-0.230
LADO	S	20	55.95	42.16	160.8	-0.105
TDS	P	20	49.75	41.59	272.2	0.165
SCOI	P	20	52.58	62.53	230.8	-0.330
SCOI	S	21	1.08	62.53	230.8	-0.518
MMNA	P	20	53.63	61.55	292.8	0.378
MMNA	S	21	2.64	61.55	292.8	0.449
CET2	P	20	54.52	75.56	260.2	0.010
CET2	S	21	5.31	75.56	260.2	0.941

11 141122 0025 27.8 - Alto Tirreno Cosentino
 Lat: 39.89 Lon: 15.99 Prof: 6.0 Km
 ± 0.65 km ± 0.71 km ± 1.7 km
 RMS: 0.29s GAP: 120.5° NR: 16

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	25	29.32	1.01	230.5	0.085
MMN	S	25	30.00	1.01	230.5	-0.255
MMN9	P	25	29.48	4.36	97.1	-0.020
MMN9	S	25	30.66	4.36	97.1	-0.055
MMNA	P	25	30.97	14.32	106.8	-0.151
MMNA	S	25	33.54	14.32	106.8	0.017
CET2	P	25	35.20	41.02	185.6	-0.467
CET2	S	25	41.20	41.02	185.6	-0.196

12 141122 0139 00.7 - Maratea - Rotonda
 Lat: 39.90 Lon: 16.02 Prof: 5.9 Km
 ± 0.59 km ± 0.67 km ± 2.5 km
 RMS: 0.42s GAP: 61.2° NR: 32

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	39	2.15	3.06	238.2	-0.080
MMN	S	39	3.00	3.06	238.2	-0.322
MMN9	P	39	2.36	2.92	121.2	0.107
MMN9	S	39	3.55	2.92	121.2	0.189

MMNA	P	39	3.83	12.94	113.2	0.069
MMNA	S	39	6.27	12.94	113.2	0.296
CET2	P	39	8.43	42.20	187.9	-0.338
CET2	S	39	13.76	42.20	187.9	-0.886
ROI	P	39	12.50	59.83	128.2	0.575
ROI	S	39	20.97	59.83	128.2	0.857
SCOI	P	39	14.13	71.33	163.6	0.617
SCOI	S	39	22.62	71.33	163.6	-0.244

13 141122 0819 05.1 - Alto Tirreno Cosentino
 Lat: 39.90 Lon: 16.01 Prof: 7.4 Km
 ± 0.44 km ± 0.49 km ± 1.7 km
 RMS: 0.29s GAP: 58.9° NR: 28

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	19	6.80	2.53	246.6	-0.042
MMN	S	19	7.50	2.53	246.6	-0.582
MMN9	P	19	6.94	2.93	108.0	0.038
MMN9	S	19	8.30	2.93	108.0	0.115
MMNA	P	19	8.38	12.98	110.3	0.110
MMNA	S	19	11.15	12.98	110.3	0.595
CET2	P	19	12.95	41.56	187.7	-0.134
CET2	S	19	18.51	41.56	187.7	-0.382
TDS	P	19	13.66	38.24	134.3	1.410

14 141122 1303 27.3 - Maratea - Rotonda
 Lat: 39.94 Lon: 15.89 Prof: 6.5 Km
 ± 0.82 km ± 0.86 km ± 2.5 km
 RMS: 0.44s GAP: 114.8° NR: 23

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	03	29.66	14.38	114.2	-0.876
MMN9	S	03	33.58	14.38	114.2	0.738
MMN	P	03	29.88	10.00	126.8	0.059
MMN	S	03	31.80	10.00	126.8	0.198
MMNA	P	03	32.94	24.42	112.9	0.411
MMNA	S	03	36.55	24.42	112.9	0.255
CET2	P	03	35.93	46.43	174.1	-0.223
CET2	S	03	42.69	46.43	174.1	0.121

15 141122 1407 40.4 - Alto Tirreno Cosentino
 Lat: 39.89 Lon: 16.01 Prof: 6.5 Km
 ± 0.62 km ± 0.62 km ± 1.4 km
 RMS: 0.24s GAP: 128.0° NR: 13

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	07	41.96	1.98	247.4	-0.020
MMN	S	07	42.70	1.98	247.4	-0.392
MMN9	P	07	42.11	3.34	101.4	0.005
MMN9	S	07	43.59	3.34	101.4	0.285
MMNA	P	07	43.56	13.36	108.6	-0.036
MMNA	S	07	45.83	13.36	108.6	-0.058
CET2	P	07	48.37	41.26	187.0	0.034
CET2	S	07	53.60	41.26	187.0	-0.497

16 141122 2039 39.5 - Bacino di Gioia
 Lat: 38.39 Lon: 15.43 Prof: 115.1 Km
 ± 1.37 km ± 1.92 km ± 3.9 km
 RMS: 0.49s GAP: 111.5° NR: 37

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	40	4.11	134.20	20.0	0.827
CET2	S	40	20.10	134.20	20.0	-0.569

17 141122 2141 50.7 - Alto Tirreno Cosentino
 Lat: 39.89 Lon: 16.00 Prof: 5.7 Km
 ± 0.36 km ± 0.43 km ± 1.0 km
 RMS: 0.18s GAP: 113.2° NR: 16

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	41	52.10	0.95	246.4	0.059
MMN	S	41	52.90	0.95	246.4	-0.125
MMN9	P	41	52.26	4.24	93.8	-0.049
MMN9	S	41	53.53	4.24	93.8	0.047
MMNA	P	41	53.85	14.16	105.9	-0.088
MMNA	S	41	56.24	14.16	105.9	-0.068
CET2	P	41	58.44	40.77	185.7	-0.044
CET2	S	42	3.69	40.77	185.7	-0.490

18 141122 2357 34.7 - Alto Tirreno Cosentino
 Lat: 39.87 Lon: 16.13 Prof: 8.0 Km
 ± 0.72 km ± 0.56 km ± 1.0 km
 RMS: 0.22s GAP: 149.6° NR: 9

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	57	36.96	7.16	287.6	-0.125
MMN9	S	57	38.68	7.16	287.6	-0.141
MMN	P	57	37.84	12.11	279.8	0.109
MMN	S	57	39.91	12.11	279.8	-0.038
CET2	P	57	42.88	41.02	201.7	0.208
CET2	S	57	48.25	41.02	201.7	-0.250

19 141123 0316 59.2 - Sila Piccola
 Lat: 39.13 Lon: 16.58 Prof: 22.1 Km
 ± 1.11 km ± 1.01 km ± 2.0 km
 RMS: 0.35s GAP: 155.4° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
ROI	P	16	8.77	49.05	358.5	-0.301
ROI	S	16	15.95	49.05	358.5	-0.342
CET2	P	16	11.51	69.87	309.3	-0.358
CET2	S	16	21.90	69.87	309.3	0.763

20 141123 1145 03.8 - Canyon di Stromboli
 Lat: 38.58 Lon: 15.36 Prof: 10.0 Km
 ± 0.46 km ± 0.53 km ± 2.4 km
 RMS: 0.41s GAP: 58.6° NR: 48

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	45	17.52	77.43	146.3	-0.061
CNDF	S	45	26.93	77.43	146.3	-0.663
TDS	P	45	19.36	146.56	35.4	8.368
CET2	P	45	22.89	117.15	26.4	0.660
CET2	S	45	35.76	117.15	26.4	0.114
CSC2	P	45	23.11	110.41	45.1	0.136
CSC2	S	45	36.58	110.41	45.1	-0.355
ROI	P	45	27.93	151.82	43.7	-0.307
ROI	S	45	45.14	151.82	43.7	-0.908
MMNA	P	45	29.30	157.90	26.2	-0.324
MMNA	S	45	47.96	157.90	26.2	-0.493

21 141123 1612 02.7 - Aspromonte
 Lat: 38.17 Lon: 15.92 Prof: 20.3 Km
 ± 0.50 km ± 0.48 km ± 1.6 km
 RMS: 0.28s GAP: 80.5° NR: 27

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	12	8.22	20.21	198.3	0.246
CNDF	S	12	11.50	20.21	198.3	-0.277

22 141123 1938 00.3 - Alto Tirreno Cosentino
 Lat: 39.76 Lon: 16.15 Prof: 0.0 Km
 ± 0.53 km ± 0.68 km ± 1.8 km
 RMS: 0.41s GAP: 79.2° NR: 18

STN	PHASE	MN	SEC	DIST	AZM	RES
MMNA	P	38	3.14	11.06	4.1	0.297
MMNA	S	38	4.93	11.06	4.1	0.285
MMN	P	38	4.74	19.97	316.6	-0.047
MMN	S	38	8.40	19.97	316.6	0.381
TDS	P	38	4.80	19.50	125.0	0.174
TDS	S	38	8.20	19.50	125.0	0.468
CET2	P	38	6.39	30.74	213.4	-0.487
CET2	S	38	10.79	30.74	213.4	-0.844

23 141123 2326 25.7 - Alto Tirreno Cosentino
 Lat: 39.89 Lon: 16.00 Prof: 6.4 Km
 ± 0.49 km ± 0.48 km ± 0.5 km
 RMS: 0.08s GAP: 265.9° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	26	27.44	3.89	92.2	0.008
MMN9	S	26	28.64	3.89	92.2	-0.011
MMNA	P	26	28.89	13.79	105.7	-0.071
MMNA	S	26	31.39	13.79	105.7	0.084
CET2	P	26	33.59	40.68	186.2	0.066
CET2	S	26	39.14	40.68	186.2	-0.075

24 141124 0802 14.0 - Vallo di Diano
 Lat: 40.20 Lon: 15.68 Prof: 13.9 Km
 ± 0.52 km ± 0.52 km ± 1.9 km
 RMS: 0.33s GAP: 70.3° NR: 25

STN	PHASE	MN	SEC	DIST	AZM	RES
MMNA	P	02	24.43	56.00	134.2	-0.400
MMNA	S	02	33.16	56.00	134.2	0.405
CET2	P	02	28.31	78.98	163.5	-0.104
CET2	S	02	38.95	78.98	163.5	-0.013

25 141124 1011 36.5 - Bacino di S.Arcangelo
 Lat: 40.05 Lon: 16.12 Prof: 20.6 Km
 ± 0.76 km ± 1.05 km ± 2.0 km
 RMS: 0.35s GAP: 98.9° NR: 20

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	11	41.98	21.12	212.6	0.000
MMN	S	11	43.50	21.12	212.6	2.477
MMNA	P	11	41.99	21.52	171.6	-0.256
MMNA	S	11	46.66	21.52	171.6	0.225
TDS	P	11	45.96	47.22	157.2	0.238
TDS	S	11	51.80	47.22	157.2	-0.658

26 141124 1232 05.3 - Milazzo
 Lat: 38.29 Lon: 15.45 Prof: 116.7 Km
 ± 1.65 km ± 1.65 km ± 3.8 km
 RMS: 0.47s GAP: 49.5° NR: 37

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	32	23.54	47.45	132.9	0.586
CNDF	S	32	34.99	47.45	132.9	-0.839
CET2	P	32	30.56	143.89	17.7	0.355
CET2	S	32	48.32	143.89	17.7	-0.064

27 141124 1750 08.3 - Canyon di Stromboli
 Lat: 38.73 Lon: 15.53 Prof: 74.6 Km
 ± 1.46 km ± 2.52 km ± 3.9 km
 RMS: 0.49s GAP: 174.7° NR: 18

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	50	25.51	86.29	161.6	0.759
CNDF	S	50	36.48	86.29	161.6	-0.248
CET2	P	50	25.59	94.71	22.6	0.473
CET2	S	50	38.15	94.71	22.6	0.789

28 141124 1821 13.5 - Sila Grande
 Lat: 39.33 Lon: 16.74 Prof: 32.3 Km
 ± 0.78 km ± 0.99 km ± 1.8 km
 RMS: 0.28s GAP: 85.0° NR: 13

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	21	20.22	20.49	104.0	0.000
LADO	S	21	24.55	20.49	104.0	-0.566
ROI	P	21	21.79	30.99	329.7	0.273
ROI	S	21	26.91	30.99	329.7	-0.455

29 141124 1954 02.6 - Canyon di Stromboli
 Lat: 38.75 Lon: 15.60 Prof: 171.0 Km
 ± 1.10 km ± 1.77 km ± 2.8 km
 RMS: 0.34s GAP: 146.5° NR: 39

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	54	28.48	86.47	165.6	0.265
CNDF	S	54	47.11	86.47	165.6	0.200
CET2	P	54	28.48	90.86	19.7	0.556
CET2	S	54	47.09	90.86	19.7	0.688
LADO	P	54	31.04	132.58	63.8	-0.255
LADO	S	54	52.29	132.58	63.8	0.040
ROI	P	54	31.15	122.97	42.7	0.364
ROI	S	54	51.91	122.97	42.7	0.540

30 141125 0043 41.7 - Amantea - M.Reventino
 Lat: 39.04 Lon: 16.38 Prof: 17.3 Km
 ± 0.55 km ± 0.63 km ± 2.0 km
 RMS: 0.35s GAP: 103.5° NR: 20

STN	PHASE	MN	SEC	DIST	AZM	RES
ROI	P	43	52.74	60.76	14.9	-0.603
ROI	S	44	1.55	60.76	14.9	-0.260

LADO P 43 53.06 57.83 62.2 0.501
 LADO S 44 0.76 57.83 62.2 0.307
 CET2 P 43 53.80 65.48 325.4 -0.260
 CET2 S 44 2.72 65.48 325.4 -0.332

31 141125 1343 11.5 - Maratea - Rotonda
 Lat: 39.99 Lon: 15.90 Prof: 9.4 Km
 ± 0.62 km ± 0.74 km ± 2.5 km
 RMS: 0.43s GAP: 89.8° NR: 29

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	43	14.68	14.20	148.5	-0.163
MMN	S	43	17.20	14.20	148.5	-0.067
MMN9	P	43	15.33	17.36	133.8	-0.020
MMN9	S	43	18.63	17.36	133.8	0.485
MMNA	P	43	16.90	26.91	125.4	-0.285
MMNA	S	43	21.55	26.91	125.4	0.226
CET2	P	43	21.43	52.47	175.4	0.051
CET2	S	43	28.52	52.47	175.4	-0.067

32 141126 0957 16.6 - Coste Sicilia Or.
 Lat: 37.82 Lon: 15.47 Prof: 21.6 Km
 ± 0.53 km ± 0.49 km ± 2.0 km
 RMS: 0.35s GAP: 124.9° NR: 39

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	57	24.50	38.74	60.2	-0.084
CNDF	S	57	30.73	38.74	60.2	0.301
TDS	P	57	50.54	216.67	20.4	0.426

33 141126 1722 04.1 - Bacino di Gioia
 Lat: 38.37 Lon: 15.42 Prof: 114.8 Km
 ± 1.33 km ± 1.52 km ± 3.5 km
 RMS: 0.44s GAP: 93.5° NR: 39

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	22	22.14	56.05	137.9	0.119
CNDF	S	22	35.72	56.05	137.9	0.631
CET2	P	22	28.70	135.96	20.1	0.622
CET2	S	22	46.52	135.96	20.1	0.943
ROI	P	22	32.39	165.68	36.9	0.281
ROI	S	22	53.10	165.68	36.9	0.541

34 141126 2320 16.9 - Alto Tirreno Cosentino
 Lat: 39.89 Lon: 16.01 Prof: 5.5 Km
 ± 0.57 km ± 0.66 km ± 1.6 km
 RMS: 0.28s GAP: 110.3° NR: 16

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	20	18.31	2.02	268.2	0.051
MMN	S	20	19.10	2.02	268.2	-0.152
MMN9	P	20	18.39	3.09	89.3	0.018
MMN9	S	20	19.59	3.09	89.3	0.147
MMNA	P	20	19.86	12.97	105.9	-0.057
MMNA	S	20	21.57	12.97	105.9	-0.550
CET2	P	20	24.51	40.59	187.4	-0.146
CET2	S	20	30.07	40.59	187.4	-0.256

35 141126 2328 27.6 - Piana batiale ionica
 Lat: 38.43 Lon: 18.47 Prof: 55.0 Km
 ± 2.29 km ± 3.28 km ± 3.8 km
 RMS: 0.47s GAP: 257.2° NR: 37

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	28	51.74	160.76	305.1	-0.283
LADO	S	29	9.54	160.76	305.1	-0.302
ROI	P	28	57.55	208.14	306.7	-0.810
ROI	S	29	21.33	208.14	306.7	0.520
SCOI	P	28	58.75	214.94	295.6	-0.620
CNDF	P	29	1.93	234.26	257.7	0.601
CNDF	S	29	26.42	234.26	257.7	0.468
CET2	P	29	3.60	250.18	298.5	0.000
CET2	S	29	28.13	250.18	298.5	0.000
MMNA	P	29	5.78	255.41	307.7	0.000
MMNA	S	29	34.79	255.41	307.7	0.000

36 141127 0831 27.7 - Canyon di Stromboli
 Lat: 38.62 Lon: 15.46 Prof: 142.0 Km
 ± 1.09 km ± 1.30 km ± 1.7 km
 RMS: 0.21s GAP: 108.2° NR: 36

STN	PHASE	MN	SEC	DIST	AZM	RES
TDS	P	31	34.88	137.79	33.3	9.771
CET2	P	31	51.66	109.38	23.1	0.258
CET2	S	32	14.59	109.38	23.1	5.847
LADO	P	31	54.95	150.45	60.7	-0.525
LADO	S	32	15.56	150.45	60.7	-0.238
ROI	P	31	55.06	142.37	42.2	0.072
ROI	S	32	14.84	142.37	42.2	-0.113

37 141127 0905 12.5 - Stretta di Catanzaro
 Lat: 38.85 Lon: 16.48 Prof: 23.9 Km
 ± 0.44 km ± 0.73 km ± 1.8 km
 RMS: 0.32s GAP: 143.4° NR: 36

STN	PHASE	MN	SEC	DIST	AZM	RES
SCOI	P	05	22.67	52.07	337.6	-0.058
SCOI	S	05	30.46	52.07	337.6	0.263
LADO	P	05	24.38	63.98	41.6	-0.287
LADO	S	05	33.81	63.98	41.6	0.254
ROI	P	05	26.98	79.87	5.0	-0.450
ROI	S	05	39.27	79.87	5.0	0.928
CET2	P	05	27.90	87.69	328.5	0.408
CET2	S	05	39.23	87.69	328.5	0.782
MMNA	P	05	33.00	114.96	345.9	-0.046
MMNA	S	05	48.37	114.96	345.9	0.301

38 141127 0909 43.5 - Stretta di Catanzaro
 Lat: 38.86 Lon: 16.48 Prof: 25.0 Km
 ± 0.44 km ± 0.77 km ± 2.1 km
 RMS: 0.36s GAP: 142.0° NR: 56

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	09	55.64	63.46	42.0	0.093
LADO	S	10	3.52	63.46	42.0	-0.810
ROI	P	09	57.86	79.21	5.1	-0.408
ROI	S	10	8.69	79.21	5.1	-0.352
CET2	P	09	59.02	87.15	328.3	0.671
CET2	S	10	9.23	87.15	328.3	0.050
TDS	P	09	59.10	89.52	351.7	-0.628
CNDF	P	10	2.79	109.92	210.0	0.296
CNDF	S	10	16.25	109.92	210.0	-0.108
MMNA	P	10	4.41	114.33	345.7	0.554
MMNA	S	10	18.47	114.33	345.7	-0.251
MMN9	P	10	4.45	120.40	341.8	0.060
MMN9	S	10	20.34	120.40	341.8	0.697

39 141127 0914 04.1 - Stretta di Catanzaro
 Lat: 38.85 Lon: 16.49 Prof: 21.6 Km
 ± 0.63 km ± 0.93 km ± 2.2 km
 RMS: 0.38s GAP: 145.2° NR: 23

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	14	16.49	63.68	40.9	0.392
LADO	S	14	24.03	63.68	40.9	-0.830
ROI	P	14	18.80	80.12	4.4	-0.341
ROI	S	14	30.57	80.12	4.4	0.436
CET2	P	14	19.83	88.38	328.2	0.437
CET2	S	14	30.85	88.38	328.2	0.283

40 141127 0918 59.9 - Stretta di Catanzaro
 Lat: 38.88 Lon: 16.37 Prof: 0.0 Km
 ± 0.69 km ± 1.09 km ± 2.1 km
 RMS: 0.47s GAP: 148.4° NR: 27

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	18	12.94	68.76	49.0	-0.079
LADO	S	18	22.66	68.76	49.0	0.092
CET2	P	18	15.80	80.72	333.2	0.406
CET2	S	18	26.91	80.72	333.2	0.231
CNDF	P	18	19.82	107.38	205.1	0.157
CNDF	S	18	34.85	107.38	205.1	0.779
MMNA	P	18	21.15	110.34	350.2	0.245
MMNA	S	18	35.45	110.34	350.2	-0.771

41 141127 0925 17.5 - Stretta di Catanzaro
 Lat: 38.86 Lon: 16.47 Prof: 21.0 Km
 ± 0.49 km ± 0.65 km ± 1.6 km
 RMS: 0.28s GAP: 140.3° NR: 19

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	25	29.68	63.90	42.7	0.146
LADO	S	25	37.70	63.90	42.7	-0.600
CET2	P	25	33.00	86.55	328.7	0.352
CET2	S	25	43.52	86.55	328.7	-0.173

42 141127 0934 24.4 - Stretta di Catanzaro
 Lat: 38.85 Lon: 16.48 Prof: 22.1 Km
 ± 0.58 km ± 0.92 km ± 1.7 km
 RMS: 0.29s GAP: 144.8° NR: 15

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	34	39.86	87.79	328.2	0.276
CET2	S	34	50.77	87.79	328.2	0.100

43 141127 0946 53.4 - Stretta di Catanzaro
 Lat: 38.85 Lon: 16.46 Prof: 21.9 Km
 ± 0.62 km ± 0.89 km ± 2.2 km
 RMS: 0.38s GAP: 138.0° NR: 19

STN	PHASE	MN	SEC	DIST	AZM	RES
TDS	P	46	59.47	89.64	352.7	0.263
CET2	P	47	9.12	86.60	329.3	0.653
CET2	S	47	18.54	86.60	329.3	-0.915

44 141127 1601 44.1 - Vallo di Diano
 Lat: 40.06 Lon: 15.91 Prof: 7.6 Km
 ± 0.29 km ± 0.43 km ± 1.2 km
 RMS: 0.20s GAP: 116.7° NR: 18

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	01	48.25	20.34	161.6	-0.064
MMN	S	01	51.70	20.34	161.6	0.335
CET2	P	01	55.35	59.58	176.9	0.153
CET2	S	02	2.98	59.58	176.9	-0.306

45 141127 1746 28.2 - M. Peloritani
 Lat: 38.06 Lon: 15.14 Prof: 11.1 Km
 ± 0.51 km ± 0.37 km ± 1.4 km
 RMS: 0.25s GAP: 71.9° NR: 23

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	46	39.66	63.19	97.2	-0.062
CNDF	S	46	47.88	63.19	97.2	-0.233

46 141127 2120 51.1 - Serre centro-sett.
 Lat: 38.47 Lon: 16.20 Prof: 22.6 Km
 ± 0.48 km ± 0.64 km ± 1.8 km
 RMS: 0.31s GAP: 97.8° NR: 28

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	21	2.87	60.67	210.0	0.219
CNDF	S	21	11.27	60.67	210.0	0.208
CET2	P	21	11.26	118.71	349.7	0.535
CET2	S	21	24.36	118.71	349.7	-0.689

47 141128 0051 47.9 - Stretta di Catanzaro
 Lat: 38.86 Lon: 16.48 Prof: 21.5 Km
 ± 0.60 km ± 1.10 km ± 2.0 km
 RMS: 0.34s GAP: 142.0° NR: 18

STN	PHASE	MN	SEC	DIST	AZM	RES
SCOI	P	51	57.86	51.04	337.2	0.052
SCOI	S	52	5.33	51.04	337.2	0.289
ROI	P	52	2.09	78.78	5.1	-0.623
ROI	S	52	13.20	78.78	5.1	-0.337
CET2	P	52	3.30	86.73	328.2	0.307
CET2	S	52	14.41	86.73	328.2	0.388

48 141128 0345 54.9 - M. Peloritani
 Lat: 37.98 Lon: 15.06 Prof: 7.9 Km
 ± 1.08 km ± 0.54 km ± 1.8 km
 RMS: 0.30s GAP: 183.3° NR: 17

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	46	7.36	69.29	88.5	-0.077
CNDF	S	46	17.54	69.29	88.5	0.988

49 141128 0454 40.7 - Stretta di Catanzaro
 Lat: 38.86 Lon: 16.49 Prof: 23.5 Km
 ± 0.75 km ± 1.26 km ± 2.3 km
 RMS: 0.40s GAP: 144.9° NR: 19

STN	PHASE	MN	SEC	DIST	AZM	RES
SCOI	P	54	50.91	51.76	336.6	0.015
SCOI	S	54	58.41	51.76	336.6	0.104
ROI	P	54	55.00	79.19	4.6	-0.600
ROI	S	55	7.41	79.19	4.6	0.953
CET2	P	54	56.50	87.52	327.9	0.748
CET2	S	55	6.24	87.52	327.9	-0.478

50 141128 1713 10.9 - Piana batiale del
 Tirreno
 Lat: 39.26 Lon: 15.29 Prof: 241.5 Km
 ± 3.34 km ± 6.04 km ± 3.7 km
 RMS: 0.45s GAP: 230.5° NR: 19

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	13	44.10	63.30	63.4	0.869
CET2	S	14	7.50	63.30	63.4	0.631
TDS	P	13	44.76	99.20	64.4	-0.650
LADO	P	13	47.70	144.93	89.4	-0.069
CNDF	P	13	48.18	148.75	161.4	0.038
CNDF	S	14	15.26	148.75	161.4	-0.113

51 141128 1948 42.9 - Bacino di Gioia
 Lat: 38.46 Lon: 15.65 Prof: 58.7 Km
 ± 1.33 km ± 1.56 km ± 4.2 km
 RMS: 0.54s GAP: 112.0° NR: 25

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	48	55.26	54.57	161.2	0.292
CNDF	S	49	3.27	54.57	161.2	-0.469
CET2	P	49	2.82	120.66	12.8	0.965

52 141129 0838 40.5 - Sila Grande
 Lat: 39.26 Lon: 16.47 Prof: 19.7 Km
 ± 0.63 km ± 0.57 km ± 1.6 km
 RMS: 0.28s GAP: 124.3° NR: 20

STN	PHASE	MN	SEC	DIST	AZM	RES
MC32	P	38	44.99	9.99	335.7	0.144
MC32	S	38	47.66	9.99	335.7	-0.303
CUP2	P	38	45.63	14.92	25.1	0.362
CUP2	S	38	49.15	14.92	25.1	0.456
SCOI	P	38	45.67	19.04	279.1	0.107
SCOI	S	38	48.80	19.04	279.1	-0.403

CSC2	P	38	45.74	18.87	278.2	0.191
CSC2	S	38	48.80	18.87	278.2	-0.379
ROI	P	38	47.97	35.36	13.2	-0.140
ROI	S	38	53.17	35.36	13.2	-0.447
TDS	P	38	49.28	45.68	344.9	-0.194

53 141129 1421 48.7 - Sila Grande
 Lat: 39.25 Lon: 16.46 Prof: 17.2 Km
 ± 0.92 km ± 0.86 km ± 2.3 km
 RMS: 0.40s GAP: 127.8° NR: 18

STN	PHASE	MN	SEC	DIST	AZM	RES
MC32	P	21	52.70	10.41	340.2	0.038
MC32	S	21	55.41	10.41	340.2	-0.116
CUP2	P	21	53.32	15.80	26.0	0.126
CUP2	S	21	56.76	15.80	26.0	0.311
ROI	P	21	55.75	36.18	13.8	-0.472
ROI	S	22	1.04	36.18	13.8	-0.656
LADO	P	21	58.23	44.28	85.6	0.942
CET2	P	21	58.77	53.59	304.5	-0.256

54 141129 1620 52.4 - Sila Grande
 Lat: 39.24 Lon: 16.45 Prof: 19.5 Km
 ± 0.62 km ± 0.68 km ± 2.3 km
 RMS: 0.40s GAP: 75.5° NR: 26

STN	PHASE	MN	SEC	DIST	AZM	RES
MC32	P	20	56.80	10.94	346.3	0.084
MC32	S	20	59.41	10.94	346.3	-0.458
CUP2	P	20	57.43	16.97	27.5	0.140
CUP2	S	21	0.91	16.97	27.5	0.051
TDS	P	20	57.46	46.80	347.2	4.005
TDS	S	21	8.22	46.80	347.2	0.129
CET2	P	21	2.77	53.31	305.8	0.046
CET2	S	21	9.80	53.31	305.8	-0.471

55 141129 2306 58.7 - Alto Tirreno Cosentino
 Lat: 39.82 Lon: 16.23 Prof: 6.0 Km
 ± 0.89 km ± 0.76 km ± 1.7 km
 RMS: 0.38s GAP: 157.7° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
MMNA	P	06	0.89	7.64	298.0	-0.123
MMNA	S	06	2.11	7.64	298.0	-0.550
CET2	P	06	6.83	41.16	216.5	-0.173
CET2	S	06	12.50	41.16	216.5	-0.531