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**PROGRAMMA OPERATIVO NAZIONALE RICERCA E COMPETITIVITÀ PER LE REGIONI DELLA CONVERGENZA - 2007/2013 - CCI: 2007IT161PO006**

**ASSE I “SOSTEGNO AI MUTAMENTI STRUTTURALI”**

**OBIETTIVO OPERATIVO 4.1.1.1. “AREE SCIENTIFICO-TECNOLOGICHE GENERATRICI DI PROCESSI DI TRASFORMAZIONE DEL SISTEMA PRODUTTIVO E CREATRICI DI NUOVI SETTORI”**

**AZIONE II: “INTERVENTI DI SOSTEGNO DELLA RICERCA INDUSTRIALE”**

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**PROGETTO PON01\_02710 MASSIMO**

**AMBITO/SETTORE BENI CULTURALI**

**CUP B21C11000550005**

**UNIVERSITÀ DELLA CALABRIA – DIPARTIMENTO DI FISICA**

## **BOLLETTINO**

**DELLA**

**SISMICITÀ DELLA CALABRIA**

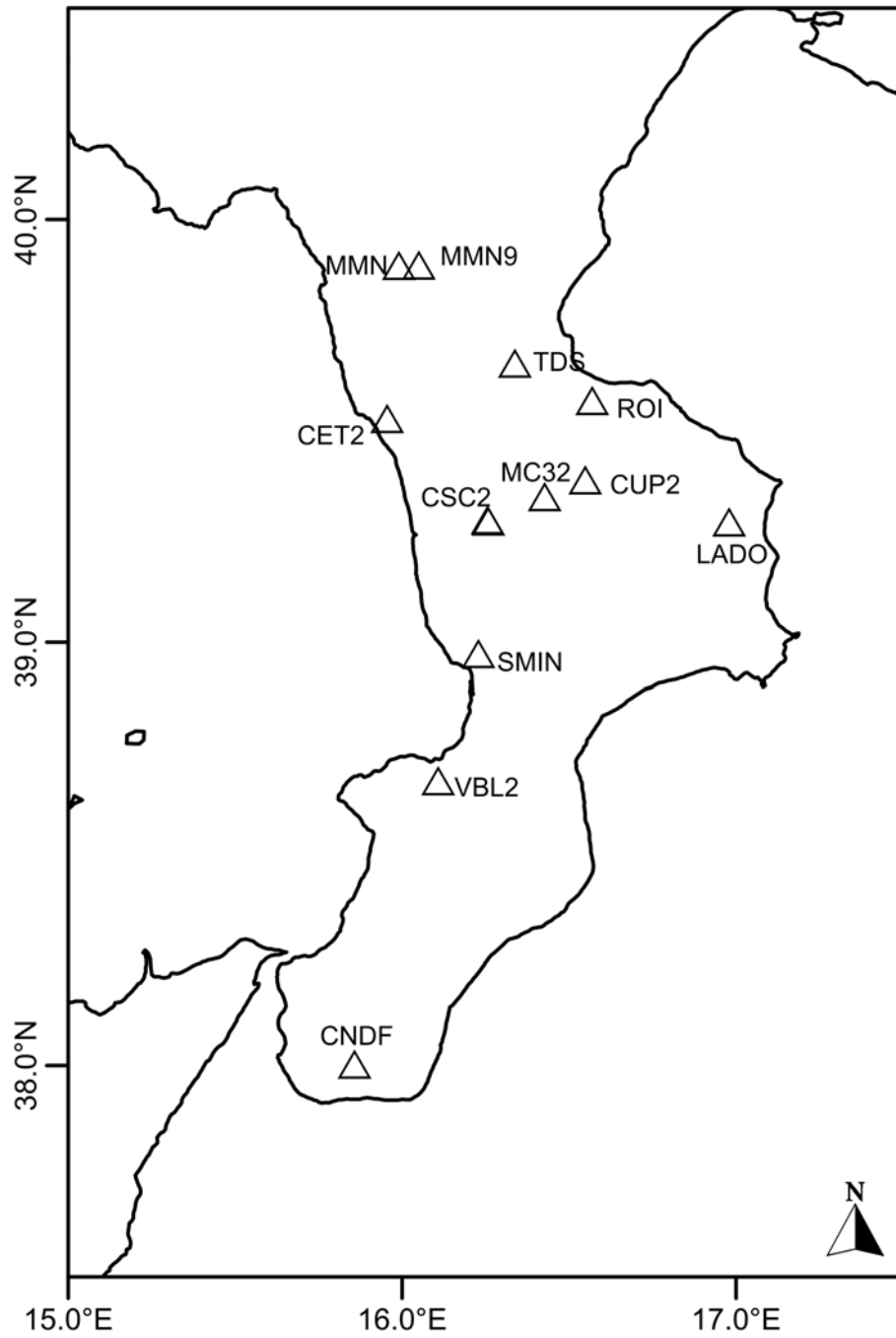
**E**

**DELLE AREE CIRCOSTANTI**

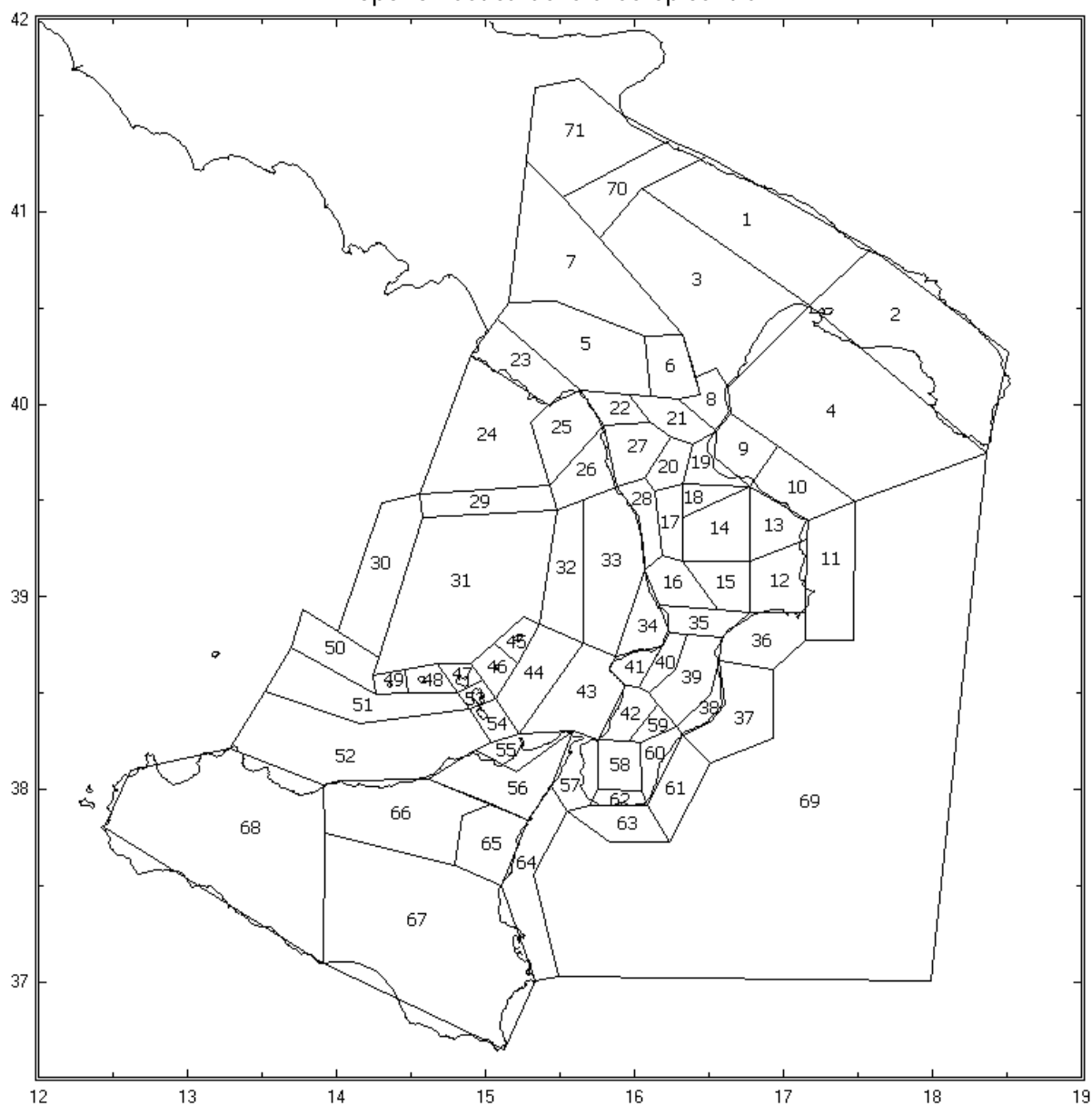
prodotto nell'ambito delle attività dell'O.R. 2.1

Periodo 01-15 Agosto 2014

Distribuzione delle stazioni della Rete Sismica UniCal – Pon MASSIMO



## Toponomastica delle aree epicentrali



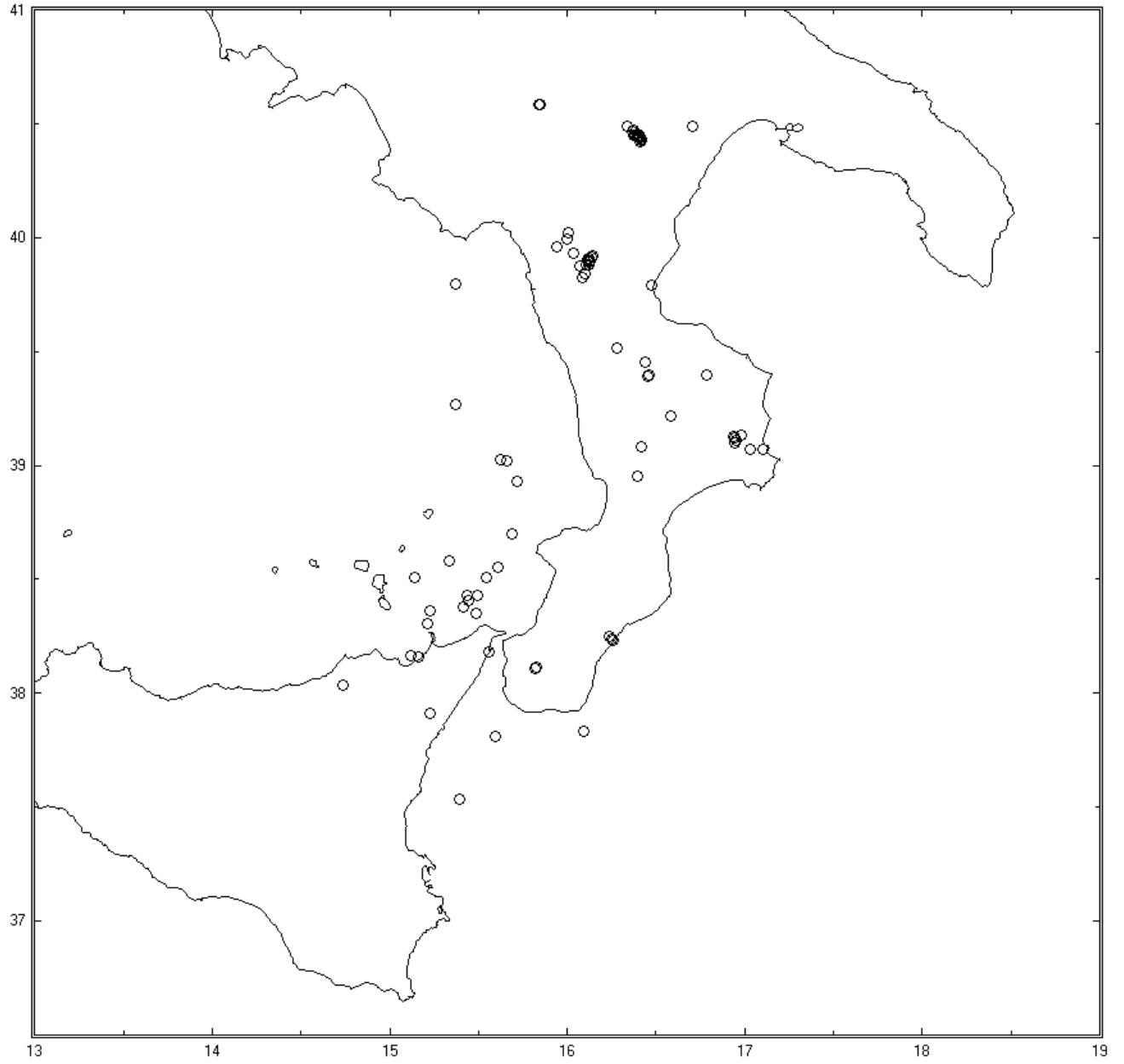
1 Murge	19 Piana di Sibari	37 Offshore Punta Stilo	55 Milazzo
2 Penisola Salentina	20 Valle dell'Esaro	38 Punta Stilo	56 Monti Peloritani
3 Piana del Bradano e del Basento	21 Catena del Pollino	39 Serre centro-settentrionali	57 Stretto di Messina
4 Golfo di Taranto	22 Marate - Rotonda	40 Valle del Mesima	58 Aspromonte
5 Vallo di Diano	23 Cilento	41 Monte Poro	59 Serre meridionali
6 Bacino di Sant'Arcangelo	24 Offshore Cilento	42 Piana di Gioia Tauro	60 Locride
7 Appennino Lucano	25 Golfo di Policastro	43 Bacino di Gioia	61 Offshore Locride
8 Confine calabro-lucano or.	26 Offshore Scalea - Diamante	44 Canyon di Stromboli	62 Aspromonte meridionale
9 Golfo di Sibari	27 Alto Tirreno Cosentino	45 Stromboli	63 Offshore Calabria Meridionale
10 Offshore Cirò	28 Catena Costiera	46 Panarea	64 Coste Sicilia or.
11 Offshore Crotona	29 Vulcani Palinuro ed Entrio	47 Salina	65 Etna
12 Marchesato	30 Vulcano Marsili	48 Filicudi	66 Monti Madonie - Nebrodi
13 Presila Nord-or.	31 Piana Batiale del tirreno	49 Alicudi	67 Sicilia centro-meridionale
14 Sila Grande	32 Scarpata di Paola	50 Seamount Sisifo ed Eolo	68 Sicilia occidentale
15 Sila Piccola	33 Bacino di Paola	51 Bacino di Alicudi	69 Piana batiale ionica
16 Amantea - Monte Reventino	34 Golfo di Sant'Eufemia	52 Bacino di Cefalù	70 Ofanto
17 Valle del Crati	35 Stretta di Catanzaro	53 Lipari	71 Capitanata
18 Sila Greca	36 Golfo di Squillace	54 Vulcano	

Parametri ipocentrali degli eventi localizzati nel periodo di riferimento

Data	Orario		Lat N	LON E	H <sub>0</sub>	m	δlat	δlon	δH <sub>0</sub>	nr	GAP	sqm	δT <sub>0</sub>
aammgg	hhmm	ss.s	°	°	km		km	km	km		°	sec	sec
140801	0047	52.5	37.8309	16.0947	45.6	1.6	0.98	1.91	2.53	23	229	0.32	0.18
140801	0654	22.2	39.9006	16.1259	8.1	1.7	0.99	0.84	2.51	14	132	0.43	0.14
140801	1228	6.5	39.8825	16.1095	4.9	1.1	0.86	0.89	1.71	10	123	0.38	0.15
140801	1231	18.6	39.8441	16.0976	2.7		0.48	1.10	0.69	6	236	0.15	0.16
140802	0418	47.0	39.4536	16.4404	2.1		0.40	0.77	0.81	6	214	0.18	0.13
140802	0619	37.3	38.3519	15.4882	131.3	2.5	1.25	1.73	3.61	52	81	0.43	0.07
140802	1154	25.1	39.7942	16.4756	5.4	1.4	0.58	0.89	1.46	12	166	0.32	0.13
140802	1450	2.5	39.9295	16.0325	7.9	1.4	0.80	1.10	2.33	17	128	0.40	0.12
140802	1817	20.7	39.9080	16.1208	8.1	1.1	0.57	0.56	1.80	16	102	0.31	0.09
140802	2137	14.9	39.1305	16.9765	21.6	1.9	0.88	1.24	2.32	25	233	0.40	0.20
140803	1913	52.5	39.1211	16.9458	24.4	1.0	0.90	0.98	1.23	9	237	0.19	0.14
140803	2055	36.0	39.1117	16.9484	23.3	1.3	0.99	1.07	1.45	10	241	0.22	0.17
140803	2101	32.0	39.0694	17.0270	22.7	1.3	2.13	2.64	3.19	15	271	0.55	0.48
140803	2152	10.9	39.1291	16.9354	23.8	1.0	1.23	1.34	1.19	7	231	0.18	0.17
140803	2246	10.9	38.1660	15.1182	14.7	1.7	0.56	0.45	1.72	23	80	0.30	0.07
140804	0554	1.4	38.6994	15.6850	169.6	4.3	1.24	1.73	3.48	61	79	0.42	0.06
140804	1851	41.1	39.1015	16.9466	28.8	0.9	2.44	2.60	2.97	9	244	0.46	0.35
140804	2355	27.0	39.3996	16.4636	13.5	0.9	0.38	0.44	1.44	20	82	0.25	0.06
140805	0237	27.2	39.3933	16.4510	13.6	1.1	0.45	0.43	1.47	21	57	0.25	0.06
140805	1749	41.1	38.1837	15.5590	6.1	2.0	0.40	0.25	1.48	34	81	0.26	0.04
140805	1926	27.9	39.0725	17.1060	1.2	1.4	1.44	1.79	1.72	12	288	0.38	0.39
140805	2217	21.0	40.5849	15.8446	16.2	2.4	0.35	0.57	2.44	55	46	0.42	0.06
140806	0428	52.0	39.0234	15.6267	5.0	1.8	0.60	0.91	1.89	27	165	0.42	0.12
140806	0816	20.7	40.5855	15.8395	9.7	3.0	0.46	0.64	3.00	58	51	0.52	0.07
140806	1006	27.0	39.0840	16.4170	15.8	1.5	0.91	0.98	2.88	18	151	0.50	0.14
140806	1438	25.8	39.0209	15.6617	6.0	1.8	0.57	0.63	2.09	28	129	0.36	0.09
140807	1102	52.6	39.2684	15.3683	94.5	2.1	2.95	2.10	3.61	11	158	0.45	0.17
140807	2120	16.6	39.7966	15.3682	297.6	3.0	2.83	4.89	4.45	41	180	0.52	0.19
140807	2322	52.4	39.5155	16.2808	12.4	1.2	0.64	0.58	1.83	14	82	0.32	0.09
140808	0042	13.5	38.5100	15.1385	123.3	2.3	1.46	2.16	1.76	17	237	0.22	0.16
140808	0639	13.7	38.4293	15.4335	164.3	2.4	1.95	2.93	3.75	35	118	0.45	0.10
140808	0926	43.0	38.3597	15.2283	171.4	3.1	1.55	1.79	3.72	52	72	0.45	0.07
140808	1129	10.9	38.4294	15.4958	132.2	2.2	1.96	2.98	3.27	16	115	0.39	0.14
140808	1539	1.7	40.0233	16.0058	13.4	1.2	0.79	0.83	1.90	17	147	0.33	0.09
140808	1540	39.3	39.2195	16.5836	21.0	1.7	0.39	0.71	0.68	6	230	0.12	0.10
140809	0031	11.8	38.2396	16.2507	16.9	1.3	0.79	1.13	2.28	16	178	0.39	0.16
140809	0232	1.0	39.8266	16.0859	0.0		0.13	0.47	0.30	6	221	0.07	0.07
140809	0322	7.2	38.5836	15.3379	211.0	2.6	2.09	3.36	4.27	43	127	0.50	0.11
140809	0707	2.2	37.5362	15.3931	27.3	2.6	8.04	9.12	5.31	8	334	0.82	1.08
140809	0845	54.9	38.5527	15.6084	96.9	2.3	1.27	1.71	3.77	42	65	0.47	0.08
140809	1939	52.4	39.8903	16.1180	6.1	1.2	0.46	0.52	1.29	16	94	0.29	0.08
140809	1940	32.1	39.9052	16.1154	8.1	1.2	0.66	0.85	1.82	11	98	0.31	0.11
140809	2251	23.8	38.1108	15.8194	13.1	1.5	0.42	0.40	1.26	18	79	0.22	0.05
140810	0920	53.6	39.9592	15.9429	0.4	1.4	1.02	1.25	2.16	13	143	0.48	0.14
140810	1011	58.4	39.9186	16.1402	9.8	1.6	0.70	0.78	2.35	19	86	0.40	0.10
140810	1420	35.9	38.2307	16.2581	23.9	1.7	0.99	1.54	2.64	17	182	0.46	0.19
140810	1543	32.8	38.2509	16.2399	20.6	1.8	1.00	0.93	2.13	19	173	0.37	0.14
140811	0135	15.8	39.9152	16.1339	7.8	1.4	0.38	0.45	1.08	17	88	0.24	0.07
140811	0401	48.9	39.8975	16.1162	8.1	1.1	0.75	0.88	1.71	9	130	0.30	0.13
140811	0445	13.8	37.9119	15.2293	12.8	1.4	0.59	0.30	0.92	17	186	0.16	0.08
140811	2205	37.2	38.4094	15.4413	115.9	2.2	1.37	1.57	2.44	26	130	0.29	0.08
140812	0939	29.1	38.3061	15.2143	112.7	2.4	1.20	1.53	3.40	39	84	0.43	0.10
140812	1357	16.6	39.9921	15.9998	14.8	0.8	1.01	1.19	2.51	17	137	0.43	0.11
140812	1630	44.8	38.9291	15.7178	179.3	2.1	2.37	3.98	3.55	18	148	0.43	0.15
140812	1852	29.4	40.4915	16.3361	0.9	2.8	0.53	0.62	2.43	57	83	0.54	0.09
140812	1918	38.7	40.4277	16.4138	11.9	1.3	0.73	0.90	2.00	15	140	0.35	0.11
140812	2015	33.8	40.4525	16.3789	14.5	3.7	0.37	0.53	2.68	97	46	0.46	0.06

Data	Orario		Lat N	LON E	H <sub>0</sub>	m	δlat	δlon	δH <sub>0</sub>	nr	GAP	sqm	δT <sub>0</sub>
aammgg	hhmm	ss.s	°	°	km		km	km	km		°	sec	sec
140812	2026	0.9	40.4365	16.4132	13.1	2.0	0.57	0.69	2.93	37	108	0.50	0.10
140812	2044	39.8	40.4504	16.3773	6.7	2.1	0.57	0.73	2.91	39	90	0.50	0.09
140812	2104	55.1	40.4432	16.3957	14.2	2.2	0.59	0.69	2.40	31	98	0.41	0.09
140812	2154	18.6	38.9514	16.3980	2.7	2.0	0.64	1.24	2.35	22	101	0.52	0.13
140812	2225	18.0	40.4661	16.3692	7.3	2.4	0.42	0.52	2.52	52	90	0.43	0.07
140812	2329	39.3	40.4360	16.4201	1.8	2.1	0.44	0.63	1.97	39	114	0.44	0.08
140813	0025	18.4	39.8763	16.0737	9.3	1.2	1.04	2.47	2.68	15	87	0.46	0.24
140813	0044	26.9	38.5067	15.5411	88.1	1.8	2.15	2.59	2.67	20	116	0.33	0.08
140813	0154	41.9	40.4728	16.3726	13.2	1.6	0.56	0.56	1.68	23	119	0.29	0.06
140813	0223	0.1	40.4534	16.3991	15.3	1.8	0.65	0.73	2.55	27	102	0.44	0.09
140813	0228	27.0	40.4261	16.4206	4.0	2.0	0.56	0.72	2.00	33	113	0.44	0.09
140813	0232	6.9	40.4393	16.4018	17.3	1.3	0.50	0.61	1.58	19	108	0.27	0.07
140813	0247	42.0	39.8840	16.1229	7.3	1.6	0.65	0.48	1.42	16	107	0.32	0.10
140813	0337	8.2	37.8100	15.5964	2.3	2.6	0.45	0.60	1.86	65	136	0.41	0.07
140813	0728	59.8	40.4243	16.4102	0.6	2.2	0.49	0.65	1.76	32	111	0.39	0.10
140813	0729	0.4	40.4474	16.3998	15.2	2.2	0.55	0.69	2.62	38	108	0.45	0.10
140813	0858	44.8	40.4869	16.7023	0.0	2.2	17.23	17.15	3.71	6	348	0.82	1.25
140813	1008	8.4	40.4406	16.4076	14.5	3.1	0.42	0.58	2.51	54	58	0.43	0.07
140813	1107	16.4	38.3804	15.4113	113.2	2.1	1.30	1.77	3.62	34	110	0.45	0.11
140813	2348	53.0	39.3975	16.7864	29.8	1.7	0.76	1.09	2.17	23	171	0.33	0.13
140814	0512	18.5	40.4427	16.4070	18.6	2.2	0.53	0.64	2.09	31	105	0.36	0.08
140814	1305	11.1	38.0367	14.7343	19.9	2.6	1.00	0.79	3.13	38	56	0.54	0.10
140814	1906	39.4	38.1164	15.8256	14.1	2.0	0.63	0.65	2.22	23	81	0.38	0.08
140814	2240	59.1	38.1611	15.1637	13.6	2.1	0.49	0.37	1.68	29	59	0.29	0.06

Epicentri localizzati nel periodo di riferimento



# **BOLLETTINO**

1 140801 0048 52.5 - Offshore Calabria Mer.  
 Lat: 37.83 Lon: 16.09 Prof: 45.6 Km  
 ± 0.98 km ± 1.91 km ± 2.5 km  
 RMS: 0.32s GAP: 229.5° NR: 23

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	48	1.56	28.32	312.7	0.400
CNDF	S	48	7.85	28.32	312.7	0.355

2 140801 0654 22.2 - Alto Tirreno Cosentino  
 Lat: 39.90 Lon: 16.12 Prof: 8.1 Km  
 ± 0.99 km ± 0.84 km ± 2.5 km  
 RMS: 0.43s GAP: 132.9° NR: 14

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	54	24.90	6.53	261.5	0.391
MMN9	S	54	25.89	6.53	261.5	-0.303
MMN	P	54	24.91	11.62	264.8	-0.248
MMN	S	54	26.63	11.62	264.8	-0.688
CET2	P	54	30.67	43.82	199.7	0.028
CET2	S	54	36.40	43.82	199.7	-0.415

3 140801 1228 06.5 - Alto Tirreno Cosentino  
 Lat: 39.88 Lon: 16.10 Prof: 4.9 Km  
 ± 0.86 km ± 0.89 km ± 1.7 km  
 RMS: 0.38s GAP: 123.3° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	28	9.30	10.21	275.3	0.153
MMN	S	28	10.74	10.21	275.3	-0.315
CET2	P	28	15.02	41.45	198.8	0.053
CET2	S	28	20.50	41.45	198.8	-0.634

4 140801 1231 18.5 - Alto Tirreno Cosentino  
 Lat: 39.84 Lon: 16.09 Prof: 2.7 Km  
 ± 0.48 km ± 1.10 km ± 0.7 km  
 RMS: 0.15s GAP: 236.7° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	31	20.30	6.66	322.8	0.043
MMN9	S	31	21.39	6.66	322.8	-0.110
MMN	P	31	20.93	10.52	299.7	-0.099
MMN	S	31	23.00	10.52	299.7	0.163
CET2	P	31	26.62	37.09	199.4	0.105
CET2	S	31	32.19	37.09	199.4	-0.148

5 140802 0418 47.0 - Sila Greca  
 Lat: 39.45 Lon: 16.44 Prof: 2.1 Km  
 ± 0.40 km ± 0.77 km ± 0.8 km  
 RMS: 0.18s GAP: 214.7° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
CUP2	P	18	49.67	12.11	129.8	-0.160
CUP2	S	18	51.97	12.11	129.8	0.095
MC32	P	18	49.87	12.22	185.3	0.008
MC32	S	18	52.08	12.22	185.3	0.150
ROI	P	18	50.82	17.17	40.0	-0.080
ROI	S	18	53.95	17.17	40.0	0.221

6 140802 0619 37.2 - Bacino di Gioia  
 Lat: 38.35 Lon: 15.48 Prof: 131.3 Km  
 ± 1.25 km ± 1.73 km ± 3.6 km  
 RMS: 0.43s GAP: 81.0° NR: 52

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	19	57.09	50.43	140.5	0.404
CNDF	S	20	11.55	50.43	140.5	0.668
VBL2	P	19	57.51	64.79	56.8	-0.182
VBL2	S	20	11.63	64.79	56.8	-0.996
CET2	P	20	3.01	136.76	17.5	0.468
CET2	S	20	21.55	136.76	17.5	0.524
LADO	P	20	5.83	165.75	51.4	-0.135
ROI	P	20	6.93	164.67	34.8	0.758
ROI	S	20	27.68	164.67	34.8	0.367

7 140802 1154 25.1 - Piana di Sibari  
 Lat: 39.79 Lon: 16.47 Prof: 5.4 Km  
 ± 0.58 km ± 0.89 km ± 1.5 km  
 RMS: 0.32s GAP: 166.5° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
TDS	P	54	29.54	19.09	218.3	0.214
TDS	S	54	32.90	19.09	218.3	0.477
ROI	P	54	30.94	25.96	161.8	0.016
ROI	S	54	35.59	25.96	161.8	0.397
CET2	P	54	34.97	53.55	236.6	-0.564

8 140802 1450 02.5 - Maratea - Rotonda  
 Lat: 39.92 Lon: 16.03 Prof: 7.9 Km  
 ± 0.80 km ± 1.10 km ± 2.3 km  
 RMS: 0.40s GAP: 128.7° NR: 17

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	50	4.35	5.59	220.0	-0.183
MMN	S	50	5.66	5.59	220.0	-0.351
MMN9	P	50	4.60	4.44	160.1	0.141
MMN9	S	50	6.35	4.44	160.1	0.469
CET2	P	50	10.92	44.99	188.7	-0.130
CET2	S	50	17.52	44.99	188.7	0.224

9 140802 1817 20.6 - Catena del Pollino  
 Lat: 39.90 Lon: 16.12 Prof: 8.1 Km  
 ± 0.57 km ± 0.56 km ± 1.8 km  
 RMS: 0.31s GAP: 102.6° NR: 16

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	17	22.99	6.28	253.5	0.030
MMN9	S	17	24.10	6.28	253.5	-0.523
MMN	P	17	23.66	11.29	260.4	0.062
MMN	S	17	25.52	11.29	260.4	-0.196
CET2	P	17	29.19	44.45	198.8	-0.045
CET2	S	17	34.80	44.45	198.8	-0.680

10 140802 2137 14.9 - Marchesato  
 Lat: 39.13 Lon: 16.97 Prof: 21.6 Km  
 ± 0.88 km ± 1.24 km ± 2.3 km  
 RMS: 0.40s GAP: 233.8° NR: 25

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	37	20.58	17.03	0.4	0.618
LADO	S	37	24.09	17.03	0.4	0.453
ROI	P	37	26.14	60.27	324.0	-0.473
ROI	S	37	34.96	60.27	324.0	-0.197
SMIN	P	37	26.89	67.09	254.7	-0.589
SMIN	S	37	36.90	67.09	254.7	0.241
CSC2	P	37	27.21	64.43	285.3	0.204
CSC2	S	37	36.05	64.43	285.3	0.218
TDS	P	37	29.44	80.49	316.6	-0.226
VBL2	P	37	31.70	90.81	235.9	0.297
VBL2	S	37	44.43	90.81	235.9	0.973

11 140803 1913 52.4 - Marchesato  
 Lat: 39.12 Lon: 16.94 Prof: 24.4 Km  
 ± 0.90 km ± 0.98 km ± 1.2 km  
 RMS: 0.19s GAP: 237.0° NR: 9

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	13	58.09	18.31	8.6	0.129
LADO	S	14	1.66	18.31	8.6	-0.332

12 140803 2055 36.0 - Marchesato  
 Lat: 39.11 Lon: 16.94 Prof: 23.3 Km  
 ± 0.99 km ± 1.07 km ± 1.4 km  
 RMS: 0.22s GAP: 241.6° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	55	41.59	19.31	7.5	0.063
LADO	S	55	45.39	19.31	7.5	-0.156
SMIN	P	55	48.33	64.22	255.9	0.154
SMIN	S	55	56.85	64.22	255.9	-0.200

13 140803 2101 31.9 - Marchesato  
 Lat: 39.06 Lon: 17.02 Prof: 22.7 Km  
 ± 2.13 km ± 2.64 km ± 3.2 km  
 RMS: 0.55s GAP: 271.2° NR: 15

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	01	38.47	24.16	349.7	0.486
LADO	S	01	42.14	24.16	349.7	-0.236
CUP2	P	01	42.71	54.08	309.8	0.160



CUP2	S	01	51.15	54.08	309.8	0.859
ROI	P	01	44.16	68.32	324.4	-0.777
ROI	S	01	55.11	68.32	324.4	0.693
SMIN	P	01	45.25	69.99	260.9	0.199
SMIN	S	01	54.84	69.99	260.9	0.225

**14** 140803 2152 10.9 - Marchesato  
 Lat: 39.12 Lon: 16.93 Prof: 23.8 Km  
 ± 1.23 km ± 1.34 km ± 1.2 km  
 RMS: 0.18s GAP: 231.8° NR: 7

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	52	16.42	17.60	12.0	0.111
LADO	S	52	19.96	17.60	12.0	-0.271

**15** 140803 2246 10.9 - Milazzo  
 Lat: 38.16 Lon: 15.11 Prof: 14.7 Km  
 ± 0.56 km ± 0.45 km ± 1.7 km  
 RMS: 0.30s GAP: 80.1° NR: 23

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	46	22.93	67.30	106.0	-0.268
CNDF	S	46	33.11	67.30	106.0	0.926

**16** 140804 0554 01.4 - Bacino di Gioia  
 Lat: 38.69 Lon: 15.68 Prof: 169.6 Km  
 ± 1.24 km ± 1.73 km ± 3.5 km  
 RMS: 0.42s GAP: 79.6° NR: 61

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	54	24.59	36.90	94.6	-0.165
VBL2	S	54	41.66	36.90	94.6	-0.162
SMIN	P	54	25.09	56.09	57.4	-0.350
SMIN	S	54	42.25	56.09	57.4	-0.757
CSC2	P	54	26.57	81.90	37.5	-0.101
CSC2	S	54	45.42	81.90	37.5	0.279
CET2	P	54	27.19	94.98	14.5	0.391
CET2	S	54	45.85	94.98	14.5	0.490
MC32	P	54	27.72	96.16	42.0	0.149
MC32	S	54	47.28	96.16	42.0	0.581
CUP2	P	54	28.87	106.54	44.6	0.636
CUP2	S	54	48.36	106.54	44.6	0.514
TDS	P	54	29.46	120.56	28.0	0.149
LADO	P	54	29.60	129.55	59.9	-0.099
LADO	S	54	50.40	129.55	59.9	0.015
ROI	P	54	29.67	123.38	38.4	0.214
ROI	S	54	50.83	123.38	38.4	0.866
MMN	P	54	29.86	134.87	11.5	-0.694
MMN	S	54	51.34	134.87	11.5	-0.524
MMN9	P	54	30.35	136.08	13.6	-0.335
MMN9	S	54	51.89	136.08	13.6	-0.203

**17** 140804 1851 41.1 - Marchesato  
 Lat: 39.10 Lon: 16.94 Prof: 28.8 Km  
 ± 2.44 km ± 2.60 km ± 3.0 km  
 RMS: 0.46s GAP: 244.1° NR: 9

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	51	47.70	20.45	7.5	0.361
LADO	S	51	51.24	20.45	7.5	-0.656

**18** 140804 2355 27.0 - Sila Grande  
 Lat: 39.39 Lon: 16.46 Prof: 13.5 Km  
 ± 0.38 km ± 0.44 km ± 1.4 km  
 RMS: 0.25s GAP: 82.9° NR: 20

STN	PHASE	MN	SEC	DIST	AZM	RES
CSC2	P	55	31.89	21.74	234.6	0.172
CSC2	S	55	35.00	21.74	234.6	-0.163
ROI	P	55	32.07	21.16	25.2	0.225
ROI	S	55	35.52	21.16	25.2	0.141
TDS	P	55	33.29	30.82	339.3	0.166
TDS	S	55	37.70	30.82	339.3	0.099
LADO	P	55	35.92	46.27	105.8	0.220

**19** 140805 0237 27.1 - Sila Grande  
 Lat: 39.39 Lon: 16.45 Prof: 13.6 Km  
 ± 0.45 km ± 0.43 km ± 1.5 km  
 RMS: 0.25s GAP: 57.2° NR: 21

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	06	32.25	20.47	232.9	0.507
SMIN	S	06	34.94	20.47	232.9	-0.297

STN	PHASE	MN	SEC	DIST	AZM	RES
MC32	P	37	30.41	5.85	200.7	0.241
MC32	S	37	32.23	5.85	200.7	-0.137
CUP2	P	37	30.49	8.44	97.3	0.146
CUP2	S	37	32.84	8.44	97.3	0.168
ROI	P	37	32.22	22.27	27.0	0.044
ROI	S	37	35.61	22.27	27.0	-0.235
TDS	P	37	33.51	31.12	341.6	0.179
TDS	S	37	38.10	31.12	341.6	0.256
CET2	P	37	35.74	45.29	289.4	-0.162
CET2	S	37	41.60	45.29	289.4	-0.698

**20** 140805 1749 41.0 - Stretto di Messina  
 Lat: 38.18 Lon: 15.55 Prof: 6.1 Km  
 ± 0.40 km ± 0.25 km ± 1.5 km  
 RMS: 0.26s GAP: 81.1° NR: 34

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	49	47.47	32.94	127.8	0.164
CNDF	S	49	51.70	32.94	127.8	-0.152
VBL2	P	49	54.28	72.50	41.6	0.163
VBL2	S	50	3.79	72.50	41.6	0.141

**21** 140805 1926 27.9 - Marchesato  
 Lat: 39.07 Lon: 17.10 Prof: 1.2 Km  
 ± 1.44 km ± 1.79 km ± 1.7 km  
 RMS: 0.38s GAP: 288.7° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	26	33.35	25.89	334.5	-0.068
LADO	S	26	37.68	25.89	334.5	0.239
CUP2	P	26	39.85	59.25	305.3	0.573
CUP2	S	26	47.65	59.25	305.3	0.061

**22** 140805 2217 21.0 - Appennino Lucano  
 Lat: 40.58 Lon: 15.84 Prof: 16.2 Km  
 ± 0.35 km ± 0.57 km ± 2.4 km  
 RMS: 0.42s GAP: 46.2° NR: 55

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	17	34.90	78.92	167.4	-0.487
CET2	P	17	40.72	117.64	175.6	0.220
CET2	S	17	55.46	117.64	175.6	0.693
SMIN	P	17	51.47	181.96	169.7	0.719
SMIN	S	18	13.16	181.96	169.7	0.632

**23** 140806 0429 51.9 - Scarpata di Paola  
 Lat: 39.02 Lon: 15.62 Prof: 5.0 Km  
 ± 0.60 km ± 0.91 km ± 1.9 km  
 RMS: 0.42s GAP: 165.0° NR: 27

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	29	1.96	52.40	96.3	0.435
SMIN	S	29	8.53	52.40	96.3	0.000
CET2	P	29	3.45	62.83	27.0	0.313
CET2	S	29	11.63	62.83	27.0	0.307

**24** 140806 0816 20.7 - Appennino Lucano  
 Lat: 40.58 Lon: 15.83 Prof: 9.7 Km  
 ± 0.46 km ± 0.64 km ± 3.0 km  
 RMS: 0.52s GAP: 51.5° NR: 58

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	16	40.86	117.74	175.4	-0.015
CET2	S	16	56.55	117.74	175.4	0.926
ROI	P	16	44.09	128.62	151.1	0.266
ROI	S	17	1.69	128.62	151.1	0.960
CUP2	P	16	47.12	146.55	155.6	0.829
CUP2	S	17	5.75	146.55	155.6	0.749
VBL2	P	16	54.45	213.50	174.0	-0.836
VBL2	S	17	19.98	213.50	174.0	-0.603

**25** 140806 1006 26.9 - Amantea - M.Reventino  
 Lat: 39.08 Lon: 16.41 Prof: 15.8 Km  
 ± 0.91 km ± 0.98 km ± 2.9 km  
 RMS: 0.50s GAP: 151.1° NR: 18

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	06	32.25	20.47	232.9	0.507
SMIN	S	06	34.94	20.47	232.9	-0.297

MC32	P	06	33.53	28.87	1.6	0.422	VBL2	S	42	49.51	86.39	78.2	-0.219
MC32	S	06	37.81	28.87	1.6	0.207	SMIN	P	42	36.25	107.78	61.9	0.029
ROI	P	06	36.65	55.72	13.5	-0.979	SMIN	S	42	52.65	107.78	61.9	-0.203
ROI	S	06	45.38	55.72	13.5	-0.051							
LADO	P	06	37.55	53.42	65.2	0.601							
LADO	S	06	44.04	53.42	65.2	-0.216							
CET2	P	06	38.80	63.47	321.1	-0.060							
CET2	S	06	47.19	63.47	321.1	-0.375							
<b>26</b> 140806 1438 25.8 - Bacino di Paola													
Lat: 39.02 Lon: 15.66 Prof: 6.0 Km													
± 0.57 km ± 0.63 km ± 2.1 km													
RMS: 0.36s GAP: 129.4° NR: 28													
STN	PHASE	MN	SEC	DIST	AZM	RES							
SMIN	P	38	35.30	49.36	96.4	0.435							
SMIN	S	38	42.20	49.36	96.4	0.704							
CET2	P	38	36.85	61.78	24.4	0.105							
CET2	S	38	44.96	61.78	24.4	0.208							
ROI	P	38	43.24	99.34	52.1	0.041							
ROI	S	38	55.91	99.34	52.1	-0.014							
<b>27</b> 140807 1103 52.6 - Piana batiale del Tirreno													
Lat: 39.26 Lon: 15.36 Prof: 94.5 Km													
± 2.95 km ± 2.10 km ± 3.6 km													
RMS: 0.45s GAP: 158.0° NR: 11													
STN	PHASE	MN	SEC	DIST	AZM	RES							
CET2	P	03	8.62	58.19	60.6	0.781							
CET2	S	03	18.47	58.19	60.6	-0.491							
<b>28</b> 140807 2120 16.6 - G. di Policastro													
Lat: 39.79 Lon: 15.36 Prof: 297.6 Km													
± 2.83 km ± 4.89 km ± 4.5 km													
RMS: 0.52s GAP: 180.1° NR: 41													
STN	PHASE	MN	SEC	DIST	AZM	RES							
CET2	P	20	55.14	58.44	120.9	0.413							
CET2	S	21	22.58	58.44	120.9	-0.031							
TDS	P	20	56.62	84.46	100.6	0.372							
TDS	S	21	25.48	84.46	100.6	0.247							
SMIN	P	20	56.82	117.69	141.3	-0.770							
SMIN	S	21	26.75	117.69	141.3	-0.819							
CSC2	P	20	56.87	95.17	126.8	0.283							
CSC2	S	21	26.08	95.17	126.8	0.253							
ROI	P	20	57.21	106.01	103.8	0.217							
ROI	S	21	26.03	106.01	103.8	-0.504							
MC32	P	20	57.52	103.92	119.1	0.538							
MC32	S	21	27.12	103.92	119.1	0.597							
CUP2	P	20	58.15	111.25	114.5	0.881							
CUP2	S	21	27.65	111.25	114.5	0.640							
VBL2	P	20	58.19	140.06	153.2	-0.570							
VBL2	S	21	28.71	140.06	153.2	-0.878							
CNDF	P	21	2.99	203.55	168.4	0.286							
<b>29</b> 140807 2322 52.3 - Valle del Crati													
Lat: 39.51 Lon: 16.28 Prof: 12.4 Km													
± 0.64 km ± 0.58 km ± 1.8 km													
RMS: 0.32s GAP: 82.7° NR: 14													
STN	PHASE	MN	SEC	DIST	AZM	RES							
TDS	P	22	56.22	16.70	16.8	-0.025							
TDS	S	22	59.10	16.70	16.8	0.039							
ROI	P	22	57.64	25.56	75.7	-0.205							
ROI	S	23	1.53	25.56	75.7	-0.305							
CET2	P	22	57.96	28.09	273.1	-0.246							
CET2	S	23	1.85	28.09	273.1	-0.610							
CUP2	P	22	58.14	27.28	122.4	0.123							
CUP2	S	23	2.45	27.28	122.4	0.320							
<b>30</b> 140808 0042 13.5 - Canyon di Stromboli													
Lat: 38.51 Lon: 15.13 Prof: 123.3 Km													
± 1.46 km ± 2.16 km ± 1.8 km													
RMS: 0.22s GAP: 237.5° NR: 17													
STN	PHASE	MN	SEC	DIST	AZM	RES							
CNDF	P	42	34.33	84.39	132.3	0.302							
CNDF	S	42	49.43	84.39	132.3	0.375							
VBL2	P	42	34.52	86.39	78.2	0.103							
<b>31</b> 140808 0639 13.7 - Bacino di Gioia													
Lat: 38.42 Lon: 15.43 Prof: 164.3 Km													
± 1.95 km ± 2.93 km ± 3.7 km													
RMS: 0.45s GAP: 118.4° NR: 35													
STN	PHASE	MN	SEC	DIST	AZM	RES							
CNDF	P	39	37.21	60.11	142.3	0.036							
CNDF	S	39	54.56	60.11	142.3	0.213							
CET2	P	39	41.62	130.14	20.6	0.530							
CET2	S	40	1.40	130.14	20.6	0.273							
ROI	P	39	43.61	160.51	37.9	-0.815							
ROI	S	40	7.44	160.51	37.9	0.536							
<b>32</b> 140808 0927 43.0 - Canyon di Stromboli													
Lat: 38.35 Lon: 15.22 Prof: 171.4 Km													
± 1.55 km ± 1.79 km ± 3.7 km													
RMS: 0.45s GAP: 72.4° NR: 52													
STN	PHASE	MN	SEC	DIST	AZM	RES							
SMIN	P	27	10.07	110.48	52.3	-0.493							
SMIN	S	27	29.99	110.48	52.3	-0.723							
CET2	P	27	12.71	144.24	26.3	0.408							
CET2	S	27	33.69	144.24	26.3	-0.036							
ROI	P	27	16.66	177.79	41.0	0.598							
ROI	S	27	41.02	177.79	41.0	0.780							
<b>33</b> 140808 1129 10.9 - Bacino di Gioia													
Lat: 38.42 Lon: 15.49 Prof: 132.2 Km													
± 1.96 km ± 2.98 km ± 3.3 km													
RMS: 0.39s GAP: 115.2° NR: 16													
STN	PHASE	MN	SEC	DIST	AZM	RES							
CNDF	P	29	30.80	56.91	146.6	0.217							
CNDF	S	29	45.61	56.91	146.6	0.616							
CET2	P	29	35.54	128.35	18.4	0.204							
CET2	S	29	53.78	128.35	18.4	0.555							
<b>34</b> 140808 1539 01.7 - Catena del Pollino													
Lat: 40.02 Lon: 16.00 Prof: 13.4 Km													
± 0.79 km ± 0.83 km ± 1.9 km													
RMS: 0.33s GAP: 147.3° NR: 17													
STN	PHASE	MN	SEC	DIST	AZM	RES							
MMN9	P	39	5.57	15.08	165.5	-0.019							
MMN9	S	39	8.33	15.08	165.5	-0.087							
MMN	P	39	5.81	14.76	185.2	0.288							
MMN	S	39	9.15	14.76	185.2	0.849							
<b>35</b> 140808 1540 39.2 - Sila Grande													
Lat: 39.21 Lon: 16.58 Prof: 21.0 Km													
± 0.39 km ± 0.71 km ± 0.7 km													
RMS: 0.12s GAP: 230.2° NR: 6													
STN	PHASE	MN	SEC	DIST	AZM	RES							
ROI	P	40	47.52	39.13	358.0	0.013							
ROI	S	40	53.50	39.13	358.0	-0.016							
SMIN	P	40	47.70	41.16	228.2	0.090							
SMIN	S	40	53.59	41.16	228.2	-0.105							
CET2	P	40	51.06	64.16	302.3	-0.099							
CET2	S	41	-0.04	64.16	302.3	0.116							
<b>36</b> 140809 0031 11.8 - Locride													
Lat: 38.23 Lon: 16.25 Prof: 16.9 Km													
± 0.79 km ± 1.13 km ± 2.3 km													
RMS: 0.39s GAP: 178.9° NR: 16													
STN	PHASE	MN	SEC	DIST	AZM	RES							
CNDF	P	31	20.20	43.35	232.9	0.014							
CNDF	S	31	26.19	43.35	232.9	-0.122							
VBL2	P	31	21.03	49.78	345.5	-0.238							
VBL2	S	31	29.18	49.78	345.5	0.993							
<b>37</b> 140809 0232 00.9 - Alto Tirreno Cosentino													
Lat: 39.82 Lon: 16.08 Prof: 0.0 Km													
± 0.13 km ± 0.47 km ± 0.3 km													
RMS: 0.07s GAP: 221.6° NR: 6													

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	32	2.76	7.85	337.3	0.030
MMN9	S	32	3.94	7.85	337.3	-0.079
MMN	P	32	3.44	10.83	311.3	0.056
MMN	S	32	5.12	10.83	311.3	-0.032
CET2	P	32	8.69	34.93	199.0	-0.044
CET2	S	32	14.45	34.93	199.0	0.030

**38** 140809 0322 07.2 - Canyon di Stromboli  
Lat: 38.58 Lon: 15.33 Prof: 211.0 Km  
± 2.09 km ± 3.36 km ± 4.3 km  
RMS: 0.50s GAP: 127.5° NR: 43

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	22	36.27	67.79	81.8	-0.326
VBL2	S	22	57.40	67.79	81.8	-0.701
SMIN	P	22	37.04	88.61	61.1	-0.476
SMIN	S	22	58.96	88.61	61.1	-0.735
CNDF	P	22	37.21	78.83	145.2	0.303
CNDF	S	22	58.94	78.83	145.2	0.301
CET2	P	22	38.82	117.72	27.3	0.404
CET2	S	23	2.03	117.72	27.3	0.777
CSC2	P	22	39.54	111.56	45.9	0.801
CSC2	S	23	1.60	111.56	45.9	-0.212
ROI	P	22	42.03	152.92	44.3	0.492
ROI	S	23	7.15	152.92	44.3	0.490

**39** 140809 0707 02.1 - Piana bat. ionica  
Lat: 37.53 Lon: 15.39 Prof: 27.3 Km  
± 8.04 km ± 9.12 km ± 5.3 km  
RMS: 0.82s GAP: 334.2° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	07	13.77	66.01	38.6	-0.685
CNDF	S	07	24.24	66.01	38.6	0.784
VBL2	P	07	24.94	140.97	26.7	0.156
VBL2	S	07	40.96	140.97	26.7	-0.386
SMIN	P	07	30.24	175.42	24.9	0.972
SMIN	S	07	48.25	175.42	24.9	-0.862
CET2	P	07	33.57	226.53	12.8	-0.443
CET2	S	07	57.80	226.53	12.8	0.468

**40** 140809 0846 54.8 - Bacino di Gioia  
Lat: 38.55 Lon: 15.60 Prof: 96.9 Km  
± 1.27 km ± 1.71 km ± 3.8 km  
RMS: 0.47s GAP: 65.5° NR: 42

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	46	11.72	64.76	160.7	0.428
CNDF	S	46	23.93	64.76	160.7	0.618
SMIN	P	46	11.91	71.26	49.3	-0.136
SMIN	S	46	23.62	71.26	49.3	-0.997
CET2	P	46	15.92	112.43	15.7	0.872
CET2	S	46	30.65	112.43	15.7	0.833

**41** 140809 1939 52.4 - Alto Tirreno Cosentino  
Lat: 39.89 Lon: 16.11 Prof: 6.1 Km  
± 0.46 km ± 0.52 km ± 1.3 km  
RMS: 0.29s GAP: 94.7° NR: 16

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	39	54.72	5.78	271.8	0.242
MMN9	S	39	55.89	5.78	271.8	-0.081
MMN	P	39	55.39	10.89	270.4	0.081
MMN	S	39	57.09	10.89	270.4	-0.321
CET2	P	40	1.00	42.51	199.4	0.111
CET2	S	40	6.43	42.51	199.4	-0.647

**42** 140809 1940 32.0 - Catena del Pollino  
Lat: 39.90 Lon: 16.11 Prof: 8.1 Km  
± 0.66 km ± 0.85 km ± 1.8 km  
RMS: 0.31s GAP: 98.9° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	40	34.44	5.76	255.1	0.147
MMN9	S	40	35.57	5.76	255.1	-0.338
MMN	P	40	35.12	10.79	261.6	0.205
MMN	S	40	36.77	10.79	261.6	-0.212
CET2	P	40	40.46	44.01	198.4	-0.086
CET2	S	40	46.26	44.01	198.4	-0.488

**43** 140809 2251 23.8 - Aspromonte  
Lat: 38.11 Lon: 15.81 Prof: 13.1 Km  
± 0.42 km ± 0.40 km ± 1.3 km  
RMS: 0.22s GAP: 79.9° NR: 18

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	51	27.39	12.38	164.7	0.191
CNDF	S	51	29.81	12.38	164.7	0.150

**44** 140810 0920 53.5 - Maratea - Rotonda  
Lat: 39.95 Lon: 15.94 Prof: 0.4 Km  
± 1.02 km ± 1.25 km ± 2.2 km  
RMS: 0.48s GAP: 143.6° NR: 13

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	20	55.41	11.83	129.3	-0.820
MMN9	S	20	58.73	11.83	129.3	0.560
MMN	P	20	55.78	8.60	151.9	0.266
MMN	S	20	57.79	8.60	151.9	0.862
CET2	P	21	2.53	47.79	179.0	-0.434
CET2	S	21	10.25	47.79	179.0	0.414

**45** 140810 1012 58.3 - Catena del Pollino  
Lat: 39.91 Lon: 16.14 Prof: 9.8 Km  
± 0.70 km ± 0.78 km ± 2.3 km  
RMS: 0.40s GAP: 86.2° NR: 19

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	12	1.07	8.24	249.0	0.025
MMN9	S	12	2.77	8.24	249.0	-0.247
MMN	P	12	1.71	13.16	256.6	0.054
MMN	S	12	3.81	13.16	256.6	-0.263
TDS	P	12	5.44	33.36	149.6	0.680
CET2	P	12	7.02	46.11	200.3	-0.186
CET2	S	12	12.93	46.11	200.3	-0.756

**46** 140810 1420 35.8 - Locride  
Lat: 38.23 Lon: 16.25 Prof: 23.9 Km  
± 0.99 km ± 1.54 km ± 2.6 km  
RMS: 0.46s GAP: 182.7° NR: 17

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	20	44.86	43.27	234.4	0.142
CNDF	S	20	51.79	43.27	234.4	0.603
VBL2	P	20	45.86	50.90	345.1	-0.071
VBL2	S	20	54.19	50.90	345.1	0.900
SMIN	P	20	51.05	82.43	358.2	-0.031
SMIN	S	21	3.10	82.43	358.2	0.892

**47** 140810 1543 32.8 - Locride  
Lat: 38.25 Lon: 16.23 Prof: 20.6 Km  
± 1.00 km ± 0.93 km ± 2.1 km  
RMS: 0.37s GAP: 173.7° NR: 19

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	43	41.54	43.37	230.8	0.099
CNDF	S	43	47.64	43.37	230.8	-0.100

**48** 140811 0135 15.7 - Catena del Pollino  
Lat: 39.91 Lon: 16.13 Prof: 7.8 Km  
± 0.38 km ± 0.45 km ± 1.1 km  
RMS: 0.24s GAP: 88.3° NR: 17

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	35	18.82	12.54	257.6	-0.049
MMN	S	35	21.14	12.54	257.6	0.004
CET2	P	35	24.37	45.57	199.8	-0.164
CET2	S	35	30.39	45.57	199.8	-0.556

**49** 140811 0401 48.8 - Alto Tirreno Cosentino  
Lat: 39.89 Lon: 16.11 Prof: 8.1 Km  
± 0.75 km ± 0.88 km ± 1.7 km  
RMS: 0.30s GAP: 130.3° NR: 9

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	01	51.65	10.76	266.2	-0.028
MMN	S	01	53.52	10.76	266.2	-0.229
CET2	P	01	57.31	43.22	198.8	0.125
CET2	S	02	2.72	43.22	198.8	-0.565

50 140811 0445 13.8 - M. Peloritani  
 Lat: 37.91 Lon: 15.22 Prof: 12.8 Km  
 ± 0.59 km ± 0.30 km ± 0.9 km  
 RMS: 0.16s GAP: 186.8° NR: 17

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	45	23.94	56.10	80.0	-0.198
CNDF	S	45	32.17	56.10	80.0	0.490

51 140811 2205 37.1 - Bacino di Gioia  
 Lat: 38.40 Lon: 15.44 Prof: 115.9 Km  
 ± 1.37 km ± 1.57 km ± 2.4 km  
 RMS: 0.29s GAP: 130.6° NR: 26

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	05	55.33	57.96	141.4	0.209
CNDF	S	06	8.75	57.96	141.4	0.488
VBL2	P	05	55.93	65.10	63.5	0.144
VBL2	S	06	9.19	65.10	63.5	-0.228
SMIN	P	05	58.07	92.73	47.8	0.162
SMIN	S	06	13.00	92.73	47.8	-0.092

52 140812 0939 29.0 - Canyon di Stromboli  
 Lat: 38.30 Lon: 15.21 Prof: 112.7 Km  
 ± 1.20 km ± 1.53 km ± 3.4 km  
 RMS: 0.43s GAP: 84.4° NR: 39

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	39	47.42	65.61	121.3	0.029
CNDF	S	40	1.12	65.61	121.3	0.338
SMIN	P	39	51.34	115.20	50.3	-0.509
SMIN	S	40	7.76	115.20	50.3	-0.739
CET2	P	39	55.31	150.15	25.7	0.936
CET2	S	40	13.53	150.15	25.7	0.656

53 140812 1357 16.6 - Maratea - Rotonda  
 Lat: 39.99 Lon: 15.99 Prof: 14.8 Km  
 ± 1.01 km ± 1.19 km ± 2.5 km  
 RMS: 0.43s GAP: 137.7° NR: 17

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	57	20.06	11.93	158.9	-0.200
MMN9	S	57	22.29	11.93	158.9	-0.649

54 140812 1631 44.7 - Bacino di Paola  
 Lat: 38.92 Lon: 15.71 Prof: 179.3 Km  
 ± 2.37 km ± 3.98 km ± 3.6 km  
 RMS: 0.43s GAP: 148.8° NR: 18

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	31	10.20	69.64	17.3	0.382
CET2	S	31	28.84	69.64	17.3	0.700

55 140812 1852 29.4 - Piana Bradano e Basento  
 Lat: 40.49 Lon: 16.33 Prof: 0.9 Km  
 ± 0.53 km ± 0.62 km ± 2.4 km  
 RMS: 0.54s GAP: 83.9° NR: 57

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	52	42.25	70.89	200.1	-0.566
MMN9	S	52	52.29	70.89	200.1	-0.312
MMN	P	52	43.60	72.89	203.8	0.463
MMN	S	52	52.78	72.89	203.8	-0.379
ROI	P	52	49.23	104.04	168.8	0.343
ROI	S	53	3.15	104.04	168.8	0.038
CUP2	P	52	52.95	124.36	171.5	0.891
CUP2	S	53	9.16	124.36	171.5	0.548
CSC2	P	52	53.81	133.98	182.8	0.217
CSC2	S	53	11.86	133.98	182.8	0.587
SMIN	P	52	58.98	168.86	183.1	-0.618
CNDF	P	53	13.39	279.32	188.6	0.000
CNDF	S	53	45.46	279.32	188.6	0.000

56 140812 1918 38.7 - Piana Bradano e Basento  
 Lat: 40.42 Lon: 16.41 Prof: 11.9 Km  
 ± 0.73 km ± 0.90 km ± 2.0 km  
 RMS: 0.35s GAP: 140.5° NR: 15

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	18	51.68	67.06	207.5	0.716

MMN9 S 18 59.16 67.06 207.5 -0.779

57 140812 2015 33.7 - Piana Bradano e Basento  
 Lat: 40.45 Lon: 16.37 Prof: 14.5 Km  
 ± 0.37 km ± 0.53 km ± 2.7 km  
 RMS: 0.46s GAP: 46.3° NR: 97

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	15	46.22	68.25	204.2	-0.084
MMN9	S	15	56.38	68.25	204.2	0.900
MMN	P	15	46.53	70.59	208.0	-0.145
MMN	S	15	55.28	70.59	208.0	-0.839
TDS	P	15	49.14	88.13	182.2	-0.433
ROI	P	15	51.00	99.13	170.4	-0.849
ROI	S	16	4.85	99.13	170.4	-0.228
CET2	P	15	52.76	108.78	199.5	0.453
CET2	S	16	6.55	108.78	199.5	0.686
CUP2	P	15	55.36	119.58	172.9	0.263
CUP2	S	16	10.54	119.58	172.9	-0.165
MC32	P	15	56.23	123.15	178.0	0.497
MC32	S	16	11.63	123.15	178.0	-0.166
CSC2	P	15	56.80	129.90	184.5	0.056
CSC2	S	16	14.52	129.90	184.5	0.971
SMIN	P	16	1.71	164.78	184.5	0.196
SMIN	S	16	21.71	164.78	184.5	-0.109
VBL2	P	16	5.49	198.85	186.7	-0.390
VBL2	S	16	29.77	198.85	186.7	0.379
CNDF	P	16	17.71	275.62	189.5	0.000
CNDF	S	16	30.68	275.62	189.5	0.000

58 140812 2026 00.9 - Piana Bradano e Basento  
 Lat: 40.43 Lon: 16.41 Prof: 13.1 Km  
 ± 0.57 km ± 0.69 km ± 2.9 km  
 RMS: 0.50s GAP: 108.9° NR: 37

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	26	13.27	67.92	207.1	-0.077
MMN9	S	26	22.87	67.92	207.1	0.416
ROI	P	26	19.36	96.93	171.9	0.765
ROI	S	26	32.43	96.93	171.9	0.897

59 140812 2044 39.7 - Piana Bradano e Basento  
 Lat: 40.45 Lon: 16.37 Prof: 6.7 Km  
 ± 0.57 km ± 0.73 km ± 2.9 km  
 RMS: 0.50s GAP: 90.5° NR: 39

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	44	51.65	67.98	204.2	-0.437
MMN9	S	45	1.64	67.98	204.2	0.533
MMN	P	44	53.07	70.31	208.0	0.606
MMN	S	45	1.45	70.31	208.0	-0.310
ROI	P	44	58.64	98.91	170.3	0.910
ROI	S	45	10.39	98.91	170.3	-0.493
CUP2	P	45	1.46	119.36	172.8	0.504
CUP2	S	45	15.97	119.36	172.8	-0.503

60 140812 2104 55.1 - Piana Bradano e Basento  
 Lat: 40.44 Lon: 16.39 Prof: 14.2 Km  
 ± 0.59 km ± 0.69 km ± 2.4 km  
 RMS: 0.41s GAP: 98.5° NR: 31

STN	PHASE	MN	SEC	DIST	AZM	RES
ROI	P	05	13.27	97.88	171.1	0.274
ROI	S	05	25.13	97.88	171.1	-0.936

61 140812 2154 18.5 - Amantea - M.Reventino  
 Lat: 38.95 Lon: 16.39 Prof: 2.7 Km  
 ± 0.64 km ± 1.24 km ± 2.3 km  
 RMS: 0.52s GAP: 101.6° NR: 22

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	54	21.74	14.91	279.2	0.049
SMIN	S	54	23.68	14.91	279.2	-0.295
VBL2	P	54	25.56	39.80	219.3	-0.413
VBL2	S	54	30.97	39.80	219.3	-0.424
ROI	P	54	31.65	70.45	12.0	-0.004
ROI	S	54	41.83	70.45	12.0	0.603
TDS	P	54	32.16	78.78	356.1	-0.502

62 140812 2225 18.0 - Piana Bradano e Basento  
 Lat: 40.46 Lon: 16.36 Prof: 7.3 Km  
 ± 0.42 km ± 0.52 km ± 2.5 km  
 RMS: 0.43s GAP: 90.9° NR: 52

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	25	30.26	69.30	203.1	-0.308
MMN9	S	25	40.03	69.30	203.1	0.273
MMN	P	25	30.79	71.55	206.8	-0.140
MMN	S	25	39.87	71.55	206.8	-0.520
ROI	P	25	36.65	100.75	170.1	0.353
ROI	S	25	49.26	100.75	170.1	-0.424
CET2	P	25	37.21	109.93	198.8	-0.171
CET2	S	25	52.14	109.93	198.8	0.576
CUP2	P	25	39.21	121.17	172.6	-0.309
CUP2	S	25	55.64	121.17	172.6	0.373
MC32	P	25	40.14	124.68	177.6	-0.004
MC32	S	25	57.34	124.68	177.6	0.994
CSC2	P	25	41.16	131.33	184.1	0.011
CSC2	S	25	58.55	131.33	184.1	0.474
SMIN	P	25	46.55	166.22	184.1	-0.243
SMIN	S	26	8.14	166.22	184.1	0.282

63 140812 2329 39.2 - Piana Bradano e Basento  
 Lat: 40.43 Lon: 16.42 Prof: 1.8 Km  
 ± 0.44 km ± 0.63 km ± 2.0 km  
 RMS: 0.44s GAP: 114.2° NR: 39

STN	PHASE	MN	SEC	DIST	AZM	RES
ROI	P	29	57.30	96.79	172.3	-0.023
ROI	S	30	10.64	96.79	172.3	0.102
CET2	P	29	59.19	108.29	201.6	0.039
CET2	S	30	14.54	108.29	201.6	0.834
CSC2	P	30	1.54	128.40	186.1	-0.784
CSC2	S	30	20.14	128.40	186.1	0.936
SMIN	P	30	8.95	163.27	185.7	0.584
SMIN	S	30	30.05	163.27	185.7	0.371

64 140813 0025 18.3 - Alto Tirreno Cosentino  
 Lat: 39.87 Lon: 16.07 Prof: 9.3 Km  
 ± 1.04 km ± 2.47 km ± 2.7 km  
 RMS: 0.46s GAP: 87.5° NR: 15

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	25	20.22	2.63	311.0	-0.192
MMN9	S	25	21.35	2.63	311.0	-0.568
MMN	P	25	20.89	7.28	282.9	0.046
MMN	S	25	22.62	7.28	282.9	-0.046
CET2	P	25	25.31	39.91	195.0	-0.834
CET2	S	25	31.90	39.91	195.0	0.054

65 140813 0044 26.9 - Bacino di Gioia  
 Lat: 38.50 Lon: 15.54 Prof: 88.1 Km  
 ± 2.15 km ± 2.59 km ± 2.7 km  
 RMS: 0.33s GAP: 116.5° NR: 20

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	44	44.08	79.04	49.3	0.108
SMIN	S	44	56.27	79.04	49.3	-0.177

66 140813 0154 41.9 - Piana Bradano e Basento  
 Lat: 40.47 Lon: 16.37 Prof: 13.2 Km  
 ± 0.56 km ± 0.56 km ± 1.7 km  
 RMS: 0.29s GAP: 119.4° NR: 23

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	54	54.36	70.09	203.1	-0.345
MMN9	S	55	4.24	70.09	203.1	0.161
CET2	P	55	1.08	110.72	198.9	0.275
CET2	S	55	15.07	110.72	198.9	0.427

67 140813 0223 00.1 - Piana Bradano e Basento  
 Lat: 40.45 Lon: 16.39 Prof: 15.3 Km  
 ± 0.65 km ± 0.73 km ± 2.5 km  
 RMS: 0.44s GAP: 102.9° NR: 27

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	23	12.75	69.06	205.5	-0.040
MMN9	S	23	23.04	69.06	205.5	0.960
CET2	P	23	19.40	109.45	200.3	0.762

CET2 S 23 32.99 109.45 200.3 0.782

68 140813 0228 26.9 - Piana Bradano e Basento  
 Lat: 40.42 Lon: 16.42 Prof: 4.0 Km  
 ± 0.56 km ± 0.72 km ± 2.0 km  
 RMS: 0.44s GAP: 113.1° NR: 33

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	28	39.74	67.18	208.0	0.457
MMN9	S	28	48.97	67.18	208.0	0.676
MMN	P	28	40.58	69.82	211.7	0.867
MMN	S	28	48.24	69.82	211.7	-0.798
ROI	P	28	43.89	95.70	172.2	-0.639
ROI	S	28	56.67	95.70	172.2	-0.710
CET2	P	28	46.39	107.29	201.8	0.019
CET2	S	29	0.93	107.29	201.8	0.360

69 140813 0232 06.9 - Piana Bradano e Basento  
 Lat: 40.43 Lon: 16.40 Prof: 17.3 Km  
 ± 0.50 km ± 0.61 km ± 1.6 km  
 RMS: 0.27s GAP: 108.8° NR: 19

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	32	18.97	67.75	206.2	-0.467
MMN9	S	32	28.64	67.75	206.2	0.023

70 140813 0247 42.0 - Alto Tirreno Cosentino  
 Lat: 39.88 Lon: 16.12 Prof: 7.3 Km  
 ± 0.65 km ± 0.48 km ± 1.4 km  
 RMS: 0.32s GAP: 107.0° NR: 16

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	47	44.37	6.26	278.1	0.099
MMN9	S	47	45.54	6.26	278.1	-0.385
MMN	P	47	45.03	11.34	274.0	0.075
MMN	S	47	46.73	11.34	274.0	-0.381
CET2	P	47	50.64	41.99	200.2	0.417
CET2	S	47	56.04	41.99	200.2	-0.194

71 140813 0337 08.1 - Piana bat. ionica  
 Lat: 37.81 Lon: 15.59 Prof: 2.3 Km  
 ± 0.45 km ± 0.60 km ± 1.9 km  
 RMS: 0.41s GAP: 136.1° NR: 65

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	37	27.60	105.81	25.3	-0.116
VBL2	S	37	41.56	105.81	25.3	-0.461
SMIN	P	37	32.87	140.38	23.4	-0.815
SMIN	S	37	52.77	140.38	23.4	0.411
CSC2	P	37	38.73	173.72	19.6	-0.107
CSC2	S	38	1.12	173.72	19.6	-0.162
CET2	P	37	39.34	193.32	9.6	0.136
CET2	S	38	2.15	193.32	9.6	0.232
ROI	P	37	43.64	213.09	23.5	0.060
ROI	S	38	8.56	213.09	23.5	-0.935

72 140813 0729 59.8 - Piana Bradano e Basento  
 Lat: 40.42 Lon: 16.41 Prof: 0.6 Km  
 ± 0.49 km ± 0.65 km ± 1.8 km  
 RMS: 0.39s GAP: 111.4° NR: 32

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	29	19.54	106.77	201.4	-0.131
CET2	S	29	35.16	106.77	201.4	0.977

73 140813 0729 00.3 - Piana Bradano e Basento  
 Lat: 40.44 Lon: 16.39 Prof: 15.2 Km  
 ± 0.55 km ± 0.69 km ± 2.6 km  
 RMS: 0.45s GAP: 108.0° NR: 38

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	29	12.36	68.49	205.8	-0.610
MMN9	S	29	22.24	68.49	205.8	0.055
MMN	P	29	13.19	70.94	209.5	-0.173
MMN	S	29	23.45	70.94	209.5	0.583
ROI	P	29	19.25	98.28	171.4	0.928
ROI	S	29	32.05	98.28	171.4	0.594
CET2	P	29	19.27	108.85	200.5	0.419
CET2	S	29	33.07	108.85	200.5	0.699

74 140813 0859 44.8 - Piana Bradano e Basento  
 Lat: 40.48 Lon: 16.70 Prof: 0.0 Km  
 ±17.23 km ±17.15 km ± 3.7 km  
 RMS: 0.82s GAP: 348.5° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	59	0.22	86.30	219.9	-0.730
MMN9	S	59	13.50	86.30	219.9	0.729
MMN	P	59	1.57	89.74	222.4	0.049
MMN	S	59	13.79	89.74	222.4	0.033
CET2	P	59	7.76	124.07	210.9	0.671
CET2	S	59	22.66	124.07	210.9	-0.741

75 140813 1008 08.3 - Piana Bradano e Basento  
 Lat: 40.44 Lon: 16.40 Prof: 14.5 Km  
 ± 0.42 km ± 0.58 km ± 2.5 km  
 RMS: 0.43s GAP: 58.1° NR: 54

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	08	20.82	68.10	206.5	-0.076
MMN9	S	08	30.26	68.10	206.5	0.211
MMN	P	08	21.23	70.62	210.2	-0.069
MMN	S	08	31.51	70.62	210.2	0.763
TDS	P	08	23.84	86.94	183.9	-0.148
ROI	P	08	25.68	97.45	171.7	-0.499
ROI	S	08	39.33	97.45	171.7	0.129
CET2	P	08	27.35	108.38	201.0	0.480
CET2	S	08	40.15	108.38	201.0	-0.245
CNDF	P	08	53.35	274.73	190.0	0.000
CNDF	S	09	28.89	274.73	190.0	0.000

76 140813 1107 16.4 - Bacino di Gioia  
 Lat: 38.38 Lon: 15.41 Prof: 113.2 Km  
 ± 1.30 km ± 1.77 km ± 3.6 km  
 RMS: 0.45s GAP: 110.7° NR: 34

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	07	34.30	57.26	137.4	0.104
CNDF	S	07	47.90	57.26	137.4	0.714
SMIN	P	07	37.09	96.84	47.5	-0.378
SMIN	S	07	52.47	96.84	47.5	-0.385
CET2	P	07	41.03	135.90	20.6	0.802
CET2	S	07	58.30	135.90	20.6	0.665

77 140813 2348 52.9 - Presila nord-or.  
 Lat: 39.39 Lon: 16.78 Prof: 29.8 Km  
 ± 0.76 km ± 1.09 km ± 2.2 km  
 RMS: 0.33s GAP: 171.1° NR: 23

STN	PHASE	MN	SEC	DIST	AZM	RES
CUP2	P	48	59.45	20.58	265.4	-0.040
CUP2	S	49	4.45	20.58	265.4	0.180
ROI	P	49	0.12	26.90	315.7	-0.071
ROI	S	49	5.66	26.90	315.7	0.195
MC32	P	49	0.61	31.54	258.9	-0.115
MC32	S	49	6.57	31.54	258.9	0.172
TDS	P	49	2.63	48.34	306.8	-0.193
TDS	S	49	10.20	48.34	306.8	0.165
SMIN	P	49	5.97	67.43	225.5	0.239
SMIN	S	49	15.54	67.43	225.5	0.473
CET2	P	49	6.29	73.05	281.4	0.759
CET2	S	49	13.79	73.05	281.4	-0.931

78 140814 0512 18.5 - Piana Bradano e Basento  
 Lat: 40.44 Lon: 16.40 Prof: 18.6 Km  
 ± 0.53 km ± 0.64 km ± 2.1 km  
 RMS: 0.36s GAP: 105.7° NR: 31

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	12	31.52	70.80	210.1	-0.068
MMN	S	12	41.74	70.80	210.1	0.580
CET2	P	12	37.26	108.58	200.9	0.641
CET2	S	12	48.92	108.58	200.9	-0.954

79 140814 1305 11.1 - M. Peloritani  
 Lat: 38.03 Lon: 14.73 Prof: 19.9 Km  
 ± 1.00 km ± 0.79 km ± 3.1 km  
 RMS: 0.54s GAP: 56.6° NR: 38

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	05	28.64	98.67	92.8	-0.196
CNDF	S	05	41.32	98.67	92.8	-0.503
SMIN	P	05	40.01	166.66	51.9	0.917
SMIN	S	05	59.06	166.66	51.9	-0.527
CET2	P	05	41.82	196.65	33.2	0.949
CET2	S	06	2.24	196.65	33.2	-0.424

80 140814 1906 39.4 - Aspromonte  
 Lat: 38.11 Lon: 15.82 Prof: 14.1 Km  
 ± 0.63 km ± 0.65 km ± 2.2 km  
 RMS: 0.38s GAP: 81.7° NR: 23

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	06	43.10	12.86	167.8	0.126
CNDF	S	06	45.50	12.86	167.8	-0.071
VBL2	P	06	52.53	66.60	21.9	0.953
VBL2	S	07	-0.43	66.60	21.9	-0.907

81 140814 2241 59.0 - Milazzo  
 Lat: 38.16 Lon: 15.16 Prof: 13.6 Km  
 ± 0.49 km ± 0.37 km ± 1.7 km  
 RMS: 0.29s GAP: 59.7° NR: 29

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	41	10.62	63.31	106.5	-0.019
CNDF	S	41	20.05	63.31	106.5	0.954
VBL2	P	41	16.58	100.18	55.8	-0.374
VBL2	S	41	29.65	100.18	55.8	-0.393