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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**

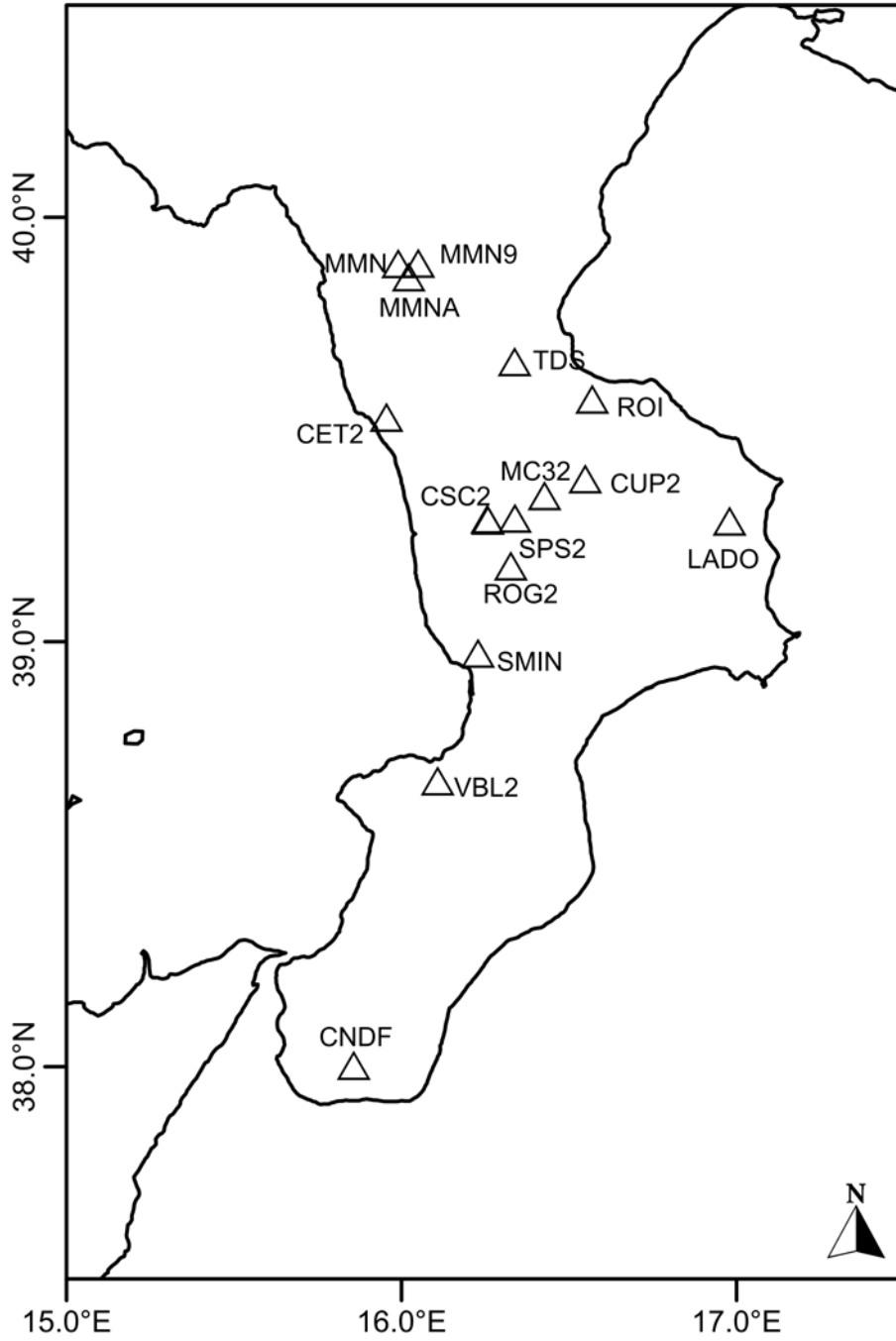
**E**

**DELLE AREE CIRCOSTANTI**

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

Periodo 01-15 Aprile 2015

Distribuzione delle stazioni della Rete Sismica UniCal – Pon MASSIMO



## Toponomastica delle aree epicentrali



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

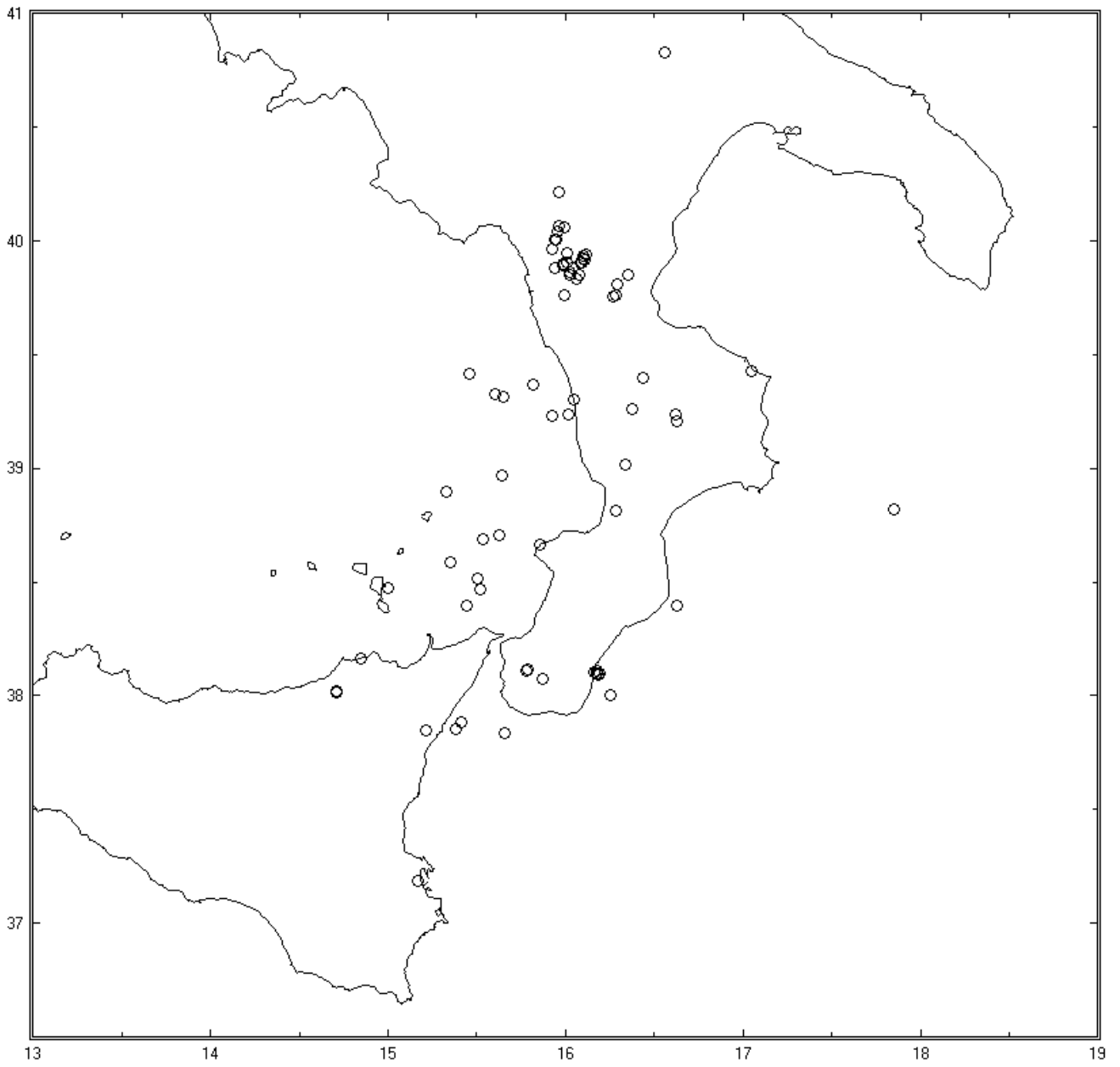
Parametri ipocentrali degli eventi localizzati nel periodo di riferimento

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
150401	0002	43.8	39.3054	16.0496	51.9	1.8	1.55	2.28	3.45	17	151	0.44	0.17
150401	2303	13.3	40.0056	15.9482	11.5	1.6	0.51	0.76	1.98	20	85	0.34	0.08
150402	0028	20.4	39.4264	17.0496	24.3		2.00	2.80	3.22	10	269	0.50	0.46
150402	0158	28.9	39.9175	16.1095	5.6	1.5	1.13	0.84	2.28	15	132	0.51	0.15
150402	0234	36.4	39.9318	16.0971	7.3	2.4	0.64	0.80	2.51	37	101	0.56	0.11
150402	0353	51.7	39.9050	16.0921	6.2		1.63	1.16	1.86	8	200	0.41	0.25
150402	1053	7.5	39.7588	16.2872	8.4	2.5	0.45	0.71	2.73	50	109	0.47	0.08
150402	1601	46.7	38.1034	16.1597	26.4	1.6	1.39	1.40	2.97	18	186	0.46	0.20
150403	0136	18.3	39.3710	15.8185	0.0		1.79	4.59	3.81	8	233	0.85	0.73
150403	0443	31.0	38.3953	15.4451	110.9	2.2	1.55	2.20	3.82	31	111	0.48	0.12
150403	1225	28.1	37.8547	15.3825	30.7	2.0	1.03	1.07	3.78	28	113	0.58	0.12
150403	1446	22.8	38.9429	12.3157	65.3	3.7	6.27	4.99	4.93	68	294	0.62	0.83
150403	2118	41.6	38.3937	16.6251	10.4	2.3	1.44	1.54	2.69	14	229	0.46	0.30
150404	0334	49.8	38.8180	17.8501	14.3	2.4	1.35	1.69	2.57	41	219	0.44	0.23
150404	1319	32.7	39.2295	15.9254	51.1	1.6	0.99	1.79	3.60	27	170	0.46	0.15
150404	2114	54.4	39.8779	16.0411	3.5		0.23	0.11	0.20	8	187	0.03	0.02
150404	2340	50.7	39.9398	16.1152	1.4		0.86	0.57	0.76	6	248	0.17	0.19
150405	0315	22.1	38.1135	15.7855	16.4	1.9	0.65	0.48	2.14	28	60	0.37	0.07
150405	0537	9.5	38.1118	15.7767	15.9	1.8	0.49	0.42	1.60	24	61	0.28	0.06
150405	0600	0.8	39.2634	16.3717	10.6	1.9	0.48	0.53	2.65	38	48	0.46	0.08
150405	1444	45.5	39.0174	16.3409	14.7		1.18	0.50	0.59	6	180	0.10	0.05
150405	1838	44.5	39.3148	15.6461	5.6	2.7	0.53	0.75	3.11	61	133	0.54	0.10
150405	1846	7.4	39.3240	15.6068	21.0		1.59	3.14	5.00	17	224	0.64	0.40
150406	0023	27.0	39.8507	16.3549	0.0		6.78	2.01	1.68	6	346	0.37	0.55
150406	0117	53.8	37.8376	15.6577	24.9	2.2	1.09	1.78	3.37	20	162	0.58	0.19
150406	0119	7.1	39.4157	15.4582	272.9	3.3	2.54	4.31	4.77	37	118	0.55	0.17
150406	0604	30.5	39.9669	15.9263	5.0		0.72	0.48	0.36	6	199	0.08	0.06
150406	1123	40.2	39.8531	16.0793	1.9		0.47	0.18	0.29	6	214	0.07	0.06
150406	1544	25.5	38.1001	16.1749	18.7	2.1	0.88	0.91	2.31	24	191	0.40	0.16
150407	0031	26.0	39.9217	16.0987	0.0		0.17	0.09	0.13	6	223	0.03	0.03
150407	0255	47.1	39.8092	16.2897	4.0		3.86	4.80	2.44	8	228	0.54	0.68
150407	0919	16.3	39.3991	16.4397	15.6	1.2	0.56	0.64	1.70	18	86	0.29	0.07
150407	1332	56.3	39.2348	16.6171	25.4		0.47	0.68	1.01	10	175	0.16	0.06
150407	2110	11.1	39.9043	16.0099	2.8		0.40	0.27	0.48	8	148	0.11	0.04
150408	1938	45.1	39.2339	16.0137	19.8		1.63	2.01	2.74	14	244	0.42	0.31
150409	0053	43.8	38.1122	16.1741	16.0	1.3	0.63	0.78	1.25	12	188	0.22	0.10
150409	0134	23.7	38.0938	16.1876	26.1	2.0	1.00	1.02	2.59	24	196	0.40	0.16
150409	0914	7.0	40.0683	15.9626	11.4	2.4	0.73	0.94	3.45	37	63	0.60	0.10
150409	1038	5.5	38.0956	16.1946	15.7	2.0	1.45	1.43	2.71	15	197	0.47	0.24
150410	1248	37.4	38.5130	15.5064	122.8	2.3	1.79	2.60	4.15	31	156	0.50	0.13
150410	1720	46.0	40.0591	15.9935	16.5	1.4	0.54	0.72	1.99	23	99	0.34	0.08
150410	2331	58.2	39.8532	16.0201	5.5		0.67	0.76	1.84	12	122	0.32	0.10
150410	2341	16.6	39.8624	16.0270	6.0		2.05	1.01	1.56	10	217	0.27	0.21
150411	0015	1.5	39.8987	15.9881	4.5		2.20	1.07	1.35	8	152	0.23	0.10
150411	0245	20.0	38.6866	15.5341	81.2	1.8	1.18	1.58	2.75	25	171	0.34	0.12
150411	0315	53.8	37.8813	15.4092	25.5	1.4	0.65	0.68	1.85	16	129	0.32	0.09
150411	0325	2.1	38.0908	16.1814	25.2	1.5	0.82	0.87	2.15	22	195	0.33	0.13
150411	0345	31.3	40.0055	15.9425	12.8	0.8	0.49	0.49	1.37	18	101	0.24	0.06
150411	1053	38.2	38.0747	15.8735	43.0	1.9	0.89	0.63	2.30	29	51	0.29	0.07
150411	1515	20.9	37.8474	15.2175	20.7	2.1	0.54	0.77	2.89	51	99	0.50	0.07
150411	1940	24.7	38.0051	16.2527	43.7	1.8	2.17	2.16	2.38	6	251	0.30	0.30
150412	0052	48.4	38.8129	16.2869	14.5	1.6	0.73	1.04	3.22	27	80	0.56	0.12
150412	0143	46.7	38.9697	15.6434	215.9	3.1	1.13	2.00	4.02	96	112	0.47	0.06
150412	0146	19.5	39.8951	15.9856	3.3		0.45	0.37	0.57	8	168	0.10	0.04
150412	0436	27.3	39.8316	16.0640	0.2		0.67	0.31	0.53	6	247	0.12	0.14
150412	0627	54.6	39.7622	15.9897	27.1	1.4	2.01	2.14	3.80	10	143	0.66	0.24
150412	2330	56.5	37.1845	15.1650	24.9	2.3	0.88	1.17	2.57	30	147	0.40	0.09

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
150412	2357	29.8	39.9484	16.0117	5.1		0.44	0.30	0.51	8	200	0.09	0.05
150413	0313	46.7	40.8278	16.5578	38.1	2.3	0.96	1.27	4.47	51	124	0.57	0.14
150413	1804	13.7	38.5874	15.3541	150.3	1.4	3.34	2.22	2.05	11	207	0.25	0.17
150413	1911	56.5	38.0119	14.7095	14.6	2.0	0.83	0.66	2.52	28	70	0.43	0.10
150413	2129	53.9	39.8783	15.9406	5.0		1.64	1.88	1.74	8	289	0.30	0.39
150413	2352	2.7	38.0205	14.7129	16.0	2.2	0.65	0.57	2.78	46	70	0.48	0.08
150414	0203	56.9	38.7072	15.6259	6.3	1.1	0.86	0.80	2.44	18	90	0.42	0.13
150414	0452	32.8	38.6657	15.8522	152.7	1.9	3.39	5.27	4.89	14	143	0.59	0.17
150414	0811	9.2	39.2070	16.6308	25.5		1.06	1.29	0.72	6	268	0.11	0.16
150414	1039	11.2	38.1632	14.8450	118.9	2.4	1.41	1.33	3.82	53	63	0.48	0.08
150414	1240	46.6	39.7549	16.2712	7.7	0.8	0.54	0.64	1.69	12	126	0.29	0.09
150414	1822	52.2	38.4746	14.9992	90.1		8.23	7.24	5.62	8	331	0.70	0.89
150414	1833	7.9	40.2147	15.9606	11.9	1.6	0.65	0.76	2.75	29	66	0.47	0.10
150415	0253	20.5	40.0407	15.9562	0.6	0.4	0.36	0.42	1.12	11	83	0.25	0.08
150415	1657	3.2	38.8976	15.3268	249.8	4.2	1.01	1.74	3.11	82	114	0.36	0.07
150415	2042	31.0	38.4674	15.5193	127.6	2.0	1.89	2.48	3.71	28	119	0.45	0.12
150415	2216	44.1	39.9069	16.0861	1.9		0.97	0.53	0.79	6	199	0.18	0.12

Epicentri localizzati nel periodo di riferimento



# **BOLLETTINO**

1 150401 0002 43.8 - Catena Costiera  
 Lat: 39.30 Lon: 16.04 Prof: 51.9 Km  
 ± 1.55 km ± 2.28 km ± 3.4 km  
 RMS: 0.44s GAP: 151.3° NR: 17

STN	PHASE	MN	SEC	DIST	AZM	RES
SPS2	P	02	52.38	24.99	93.7	-0.397
SPS2	S	02	59.47	24.99	93.7	0.143
CET2	P	02	52.57	26.11	341.9	0.116
CET2	S	02	59.26	26.11	341.9	0.494
SMIN	P	02	53.67	40.01	157.4	-0.299
SMIN	S	03	1.09	40.01	157.4	-0.300
CUP2	P	02	54.36	43.84	78.6	0.025
CUP2	S	03	2.42	43.84	78.6	0.395
VBL2	P	02	56.86	70.29	176.0	-0.322
VBL2	S	03	7.27	70.29	176.0	0.314

2 150401 2303 13.2 - Maratea - Rotonda  
 Lat: 40.00 Lon: 15.94 Prof: 11.5 Km  
 ± 0.51 km ± 0.76 km ± 2.0 km  
 RMS: 0.34s GAP: 85.8° NR: 20

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	03	16.64	13.25	164.3	-0.030
MMN	S	03	19.43	13.25	164.3	0.279
MMNA	P	03	18.53	24.31	131.9	-0.054
MMNA	S	03	21.72	24.31	131.9	-0.746
CET2	P	03	23.45	52.94	179.6	0.194
CET2	S	03	30.18	52.94	179.6	-0.380

3 150402 0028 20.3 - Presila nord-or.  
 Lat: 39.42 Lon: 17.04 Prof: 24.3 Km  
 ± 2.00 km ± 2.80 km ± 3.2 km  
 RMS: 0.50s GAP: 269.5° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	28	25.88	16.93	200.5	0.155
LADO	S	28	29.20	16.93	200.5	-0.438
CUP2	P	28	29.49	43.45	263.3	0.143
CUP2	S	28	36.56	43.45	263.3	0.648
ROI	P	28	29.82	44.36	291.0	0.233
ROI	S	28	35.34	44.36	291.0	-0.987

4 150402 0158 28.8 - Catena del Pollino  
 Lat: 39.91 Lon: 16.10 Prof: 5.6 Km  
 ± 1.13 km ± 0.84 km ± 2.3 km  
 RMS: 0.51s GAP: 132.4° NR: 15

STN	PHASE	MN	SEC	DIST	AZM	RES
MMNA	P	58	31.45	7.74	146.1	0.388
MMNA	S	58	32.91	7.74	146.1	0.230
MMN	P	58	31.74	10.59	253.9	0.128
MMN	S	58	33.34	10.59	253.9	-0.291
TDS	P	58	36.65	34.66	145.8	0.950
TDS	S	58	41.01	34.66	145.8	0.297
CET2	P	58	37.53	45.15	197.2	-0.294
CET2	S	58	43.45	45.15	197.2	-0.940

5 150402 0234 36.4 - Catena del Pollino  
 Lat: 39.93 Lon: 16.09 Prof: 7.3 Km  
 ± 0.64 km ± 0.80 km ± 2.5 km  
 RMS: 0.56s GAP: 101.7° NR: 37

STN	PHASE	MN	SEC	DIST	AZM	RES
MMNA	P	34	38.91	9.65	146.1	-0.305
MMNA	S	34	40.43	9.65	146.1	-0.818
MMN	P	34	39.19	10.17	243.6	-0.021
MMN	S	34	41.20	10.17	243.6	-0.042
TDS	P	34	43.26	36.57	145.8	-0.155
TDS	S	34	49.49	36.57	145.8	0.969
CET2	P	34	44.78	46.38	195.4	-0.620
CET2	S	34	50.98	46.38	195.4	-0.980
ROI	P	34	47.40	56.87	134.6	0.091
ROI	S	34	54.45	56.87	134.6	-0.816

SCOI	P	34	50.19	72.63	169.2	0.605
SCOI	S	35	-.21	72.63	169.2	0.572
MC32	P	34	50.40	71.13	156.5	0.911
MC32	S	34	58.44	71.13	156.5	-0.601
CUP2	P	34	50.42	72.14	147.5	0.779
CUP2	S	35	.22	72.14	147.5	0.915
SPS2	P	34	50.44	74.10	163.8	0.557
SPS2	S	35	-.13	74.10	163.8	0.136
SMIN	P	34	55.69	107.05	174.0	0.148
SMIN	S	35	8.53	107.05	174.0	-0.994
VBL2	P	35	.19	139.66	179.7	-0.956
VBL2	S	35	19.03	139.66	179.7	-0.202

6 150402 0353 51.6 - Alto Tirreno Cosentino  
 Lat: 39.90 Lon: 16.09 Prof: 6.2 Km  
 ± 1.63 km ± 1.16 km ± 1.9 km  
 RMS: 0.41s GAP: 200.9° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
MMNA	P	53	53.93	7.69	130.9	-0.031
MMNA	S	53	55.55	7.69	130.9	-0.084
MMN	P	53	54.21	8.82	259.9	0.022
MMN	S	53	56.31	8.82	259.9	0.282
CET2	P	54	.80	43.40	195.9	0.532
CET2	S	54	5.83	43.40	195.9	-0.727

7 150402 1053 07.4 - Valle dell'Esaro  
 Lat: 39.75 Lon: 16.28 Prof: 8.4 Km  
 ± 0.45 km ± 0.71 km ± 2.7 km  
 RMS: 0.47s GAP: 109.6° NR: 50

STN	PHASE	MN	SEC	DIST	AZM	RES
MMNA	P	53	10.99	15.61	315.9	-0.122
MMNA	S	53	13.65	15.61	315.9	-0.125
MMN	P	53	13.23	29.31	300.1	0.058
MMN	S	53	18.03	29.31	300.1	0.687
ROI	P	53	13.79	31.88	130.5	-0.040
ROI	S	53	19.00	31.88	130.5	0.518
CET2	P	53	14.36	38.30	228.3	-0.501
CET2	S	53	19.57	38.30	228.3	-0.698
MC32	P	53	16.25	47.59	165.3	-0.101
MC32	S	53	22.77	47.59	165.3	-0.081
CUP2	P	53	16.31	47.32	151.6	0.023
CUP2	S	53	22.52	47.32	151.6	-0.217
CSC2	P	53	16.90	52.51	182.7	-0.151
CSC2	S	53	23.43	52.51	182.7	-0.631
SPS2	P	53	17.41	52.12	175.1	0.391
SPS2	S	53	24.84	52.12	175.1	0.833
SCOI	P	53	17.90	52.19	182.9	0.909
SCOI	S	53	23.60	52.19	182.9	-0.357
ROG2	P	53	19.85	64.52	177.0	0.703
ROG2	S	53	26.88	64.52	177.0	-0.811
LADO	P	53	21.25	79.50	131.3	-0.453
LADO	S	53	32.82	79.50	131.3	0.700
SMIN	P	53	22.77	87.39	183.3	-0.305
VBL2	P	53	28.13	121.44	187.3	-0.799
VBL2	S	53	44.61	121.44	187.3	-0.024

8 150402 1601 46.6 - Locride  
 Lat: 38.10 Lon: 16.15 Prof: 26.4 Km  
 ± 1.39 km ± 1.40 km ± 3.0 km  
 RMS: 0.46s GAP: 186.6° NR: 18

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	01	54.08	28.78	247.4	0.442
CNDF	S	01	58.71	28.78	247.4	-0.041

9 150403 0136 18.3 - Bacino di Paola  
 Lat: 39.37 Lon: 15.81 Prof: 0.0 Km  
 ± 1.79 km ± 4.59 km ± 3.8 km  
 RMS: 0.85s GAP: 233.1° NR: 8



STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	36	22.22	21.07	34.0	-0.764
CET2	S	36	26.70	21.07	34.0	0.285
SMIN	P	36	29.29	56.62	141.4	0.026
SMIN	S	36	36.43	56.62	141.4	-0.860
MMN	P	36	30.79	59.58	14.6	0.974
MMN	S	36	37.35	59.58	14.6	-0.895

10 150403 0443 30.9 - Bacino di Gioia  
 Lat: 38.39 Lon: 15.44 Prof: 110.9 Km  
 ± 1.55 km ± 2.20 km ± 3.8 km  
 RMS: 0.48s GAP: 111.0° NR: 31

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	43	48.62	56.53	140.7	0.210
CNDF	S	44	2.04	56.53	140.7	0.854
VBL2	P	43	49.23	65.54	62.1	-0.006
VBL2	S	44	3.12	65.54	62.1	0.502
SMIN	P	43	51.23	93.56	47.0	-0.250
SMIN	S	44	6.36	93.56	47.0	-0.143
CET2	P	43	55.19	133.35	19.7	0.878
CET2	S	44	12.37	133.35	19.7	0.962

11 150403 1225 28.0 - Coste Sicilia Or.  
 Lat: 37.85 Lon: 15.38 Prof: 30.7 Km  
 ± 1.03 km ± 1.07 km ± 3.8 km  
 RMS: 0.58s GAP: 113.6° NR: 28

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	25	37.99	44.87	68.8	0.445
CNDF	S	25	44.43	44.87	68.8	-0.040

12 150403 1446 22.7 - Mar Tirreno  
 Lat: 38.94 Lon: 12.31 Prof: 65.3 Km  
 ± 6.27 km ± 4.99 km ± 4.9 km  
 RMS: 0.62s GAP: 294.0° NR: 68

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	47	10.53	326.28	110.0	0.000
CNDF	S	47	40.68	326.28	110.0	0.000
VBL2	P	47	10.56	330.83	96.5	0.000
VBL2	S	47	40.32	330.83	96.5	0.000
CET2	P	47	11.66	320.91	79.6	0.000
CET2	S	47	40.39	320.91	79.6	0.000
SMIN	P	47	12.05	339.22	90.7	0.000
SMIN	S	47	42.24	339.22	90.7	0.000
CSC2	P	47	13.91	343.14	84.9	0.000
SPS2	P	47	14.70	350.14	84.9	0.000
SPS2	S	47	46.42	350.14	84.9	0.000
CUP2	P	47	17.26	369.12	83.5	0.000
CUP2	S	47	51.72	369.12	83.5	0.000
ROI	P	47	19.97	373.77	80.4	0.000
ROI	S	47	51.11	373.77	80.4	0.000

13 150403 2118 41.5 - Offshore P. Stilo  
 Lat: 38.39 Lon: 16.62 Prof: 10.4 Km  
 ± 1.44 km ± 1.54 km ± 2.7 km  
 RMS: 0.46s GAP: 229.9° NR: 14

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	18	51.62	54.77	304.5	-0.017
VBL2	S	18	59.07	54.77	304.5	0.058
SMIN	P	18	54.96	72.98	331.6	0.211
SMIN	S	19	4.35	72.98	331.6	-0.056
CNDF	P	18	55.93	80.02	237.2	0.013
ROI	P	19	5.79	130.87	357.7	0.713

14 150404 0334 49.7 - Piana bat. ionica  
 Lat: 38.81 Lon: 17.85 Prof: 14.3 Km  
 ± 1.35 km ± 1.69 km ± 2.6 km  
 RMS: 0.44s GAP: 219.1° NR: 41

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	35	6.75	91.42	303.7	0.553
CUP2	P	35	11.74	128.94	298.5	-0.151
ROI	P	35	12.59	138.74	306.5	-0.653
SPS2	P	35	13.20	140.97	291.3	-0.598
SMIN	P	35	13.84	141.76	276.5	-0.056
SMIN	S	35	31.14	141.76	276.5	-0.420
VBL2	P	35	15.01	152.30	263.5	-0.241
VBL2	S	35	34.80	152.30	263.5	0.895
CET2	P	35	17.09	181.82	295.3	-0.013
CET2	S	35	38.05	181.82	295.3	0.937
MMNA	P	35	19.88	186.01	308.0	-0.082
CNDF	P	35	20.87	196.16	242.2	0.495
MMN9	P	35	21.31	195.64	307.1	0.377
MMN	P	35	21.84	199.68	306.2	0.415

15 150404 1319 32.7 - Bacino di Paola  
 Lat: 39.22 Lon: 15.92 Prof: 51.1 Km  
 ± 0.99 km ± 1.79 km ± 3.6 km  
 RMS: 0.46s GAP: 170.8° NR: 27

STN	PHASE	MN	SEC	DIST	AZM	RES
SPS2	P	19	42.16	36.32	79.2	-0.270
SPS2	S	19	49.60	36.32	79.2	0.045
CET2	P	19	42.26	33.32	4.5	0.523
CET2	S	19	48.91	33.32	4.5	0.553
SMIN	P	19	42.28	38.69	137.5	-0.355
SMIN	S	19	49.87	38.69	137.5	-0.042
ROI	P	19	45.58	67.22	55.6	-0.095
MMN	P	19	47.39	73.64	4.5	0.932
MMN	S	19	55.58	73.64	4.5	-0.949

16 150404 2114 54.4 - Alto Tirreno Cosentino  
 Lat: 39.87 Lon: 16.04 Prof: 3.5 Km  
 ± 0.23 km ± 0.11 km ± 0.2 km  
 RMS: 0.03s GAP: 187.1° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	14	55.49	1.73	27.2	0.005
MMN9	S	14	56.22	1.73	27.2	-0.038
MMN	P	14	55.82	4.55	288.5	0.025
MMN	S	14	56.75	4.55	288.5	-0.041
MMNA	P	14	56.85	10.38	101.4	-0.030
MMNA	S	14	58.72	10.38	101.4	0.044

17 150404 2340 50.7 - Catena del Pollino  
 Lat: 39.93 Lon: 16.11 Prof: 1.4 Km  
 ± 0.86 km ± 0.57 km ± 0.8 km  
 RMS: 0.17s GAP: 248.1° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	40	52.58	7.68	226.3	0.065
MMN9	S	40	53.94	7.68	226.3	0.113
MMNA	P	40	52.93	9.69	156.7	0.008
MMNA	S	40	54.39	9.69	156.7	-0.142

18 150405 0315 22.0 - Aspromonte  
 Lat: 38.11 Lon: 15.78 Prof: 16.4 Km  
 ± 0.65 km ± 0.48 km ± 2.1 km  
 RMS: 0.37s GAP: 60.2° NR: 28

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	15	26.16	13.75	153.1	0.153
CNDF	S	15	28.53	13.75	153.1	-0.362

19 150405 0537 09.4 - Aspromonte  
 Lat: 38.11 Lon: 15.77 Prof: 15.9 Km  
 ± 0.49 km ± 0.42 km ± 1.6 km  
 RMS: 0.28s GAP: 61.2° NR: 24

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	37	13.57	13.96	149.9	0.184
CNDF	S	37	16.02	13.96	149.9	-0.223

20 150405 0600 00.8 - Sila Grande  
 Lat: 39.26 Lon: 16.37 Prof: 10.6 Km  
 ± 0.48 km ± 0.53 km ± 2.6 km  
 RMS: 0.46s GAP: 48.4° NR: 38

STN	PHASE	MN	SEC	DIST	AZM	RES
SCOI	P	00	3.81	10.35	286.1	0.161
SCOI	S	00	5.80	10.35	286.1	0.097
CUP2	P	00	5.29	20.22	48.6	0.061
CUP2	S	00	8.40	20.22	48.6	-0.039
SMIN	P	00	8.02	34.55	201.0	0.551
SMIN	S	00	12.57	34.55	201.0	0.253
ROI	P	00	8.25	38.23	26.3	-0.102
ROI	S	00	13.81	38.23	26.3	-0.037
LADO	P	00	10.48	52.48	87.2	-0.004
LADO	S	00	17.50	52.48	87.2	-0.041
CET2	P	00	10.62	46.46	309.4	0.933
CET2	S	00	15.69	46.46	309.4	-0.468
LADO	P	00	10.83	52.48	87.2	0.345
LADO	S	00	17.19	52.48	87.2	-0.352
MMNA	P	00	14.69	68.65	344.6	0.888
MMNA	S	00	22.67	68.65	344.6	-0.615
MMN	P	00	14.94	76.97	334.9	0.212
MMN	S	00	24.64	76.97	334.9	-0.251

21 150405 1444 45.5 - Amantea - M.Reventino  
 Lat: 39.01 Lon: 16.34 Prof: 14.7 Km  
 ± 1.18 km ± 0.50 km ± 0.6 km  
 RMS: 0.10s GAP: 180.2° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	44	49.02	10.93	243.2	0.028
SMIN	S	44	51.49	10.93	243.2	-0.030

22 150405 1838 44.4 - Scarpata di Paola  
 Lat: 39.31 Lon: 15.64 Prof: 5.6 Km  
 ± 0.53 km ± 0.75 km ± 3.1 km  
 RMS: 0.54s GAP: 133.1° NR: 61

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	38	51.32	35.63	48.5	-0.102
CET2	S	38	56.39	35.63	48.5	-0.106
CSC2	P	38	54.53	52.86	93.6	0.422
CSC2	S	39	1.38	52.86	93.6	0.234
SCOI	P	38	54.53	52.72	93.3	0.452
SCOI	S	39	1.38	52.72	93.3	0.277
SMIN	P	38	56.00	63.03	127.2	0.107
SMIN	S	39	3.25	63.03	127.2	-0.988
ROG2	P	38	56.36	60.61	104.6	0.879
ROG2	S	39	3.32	60.61	104.6	-0.204
MMN	P	38	57.35	70.47	25.1	0.140
MMN	S	39	6.28	70.47	25.1	-0.242
MMN9	P	38	57.80	72.87	28.7	0.148
MMN9	S	39	7.11	72.87	28.7	-0.171
MMNA	P	38	58.14	74.90	36.3	-0.419
MMNA	S	39	7.95	74.90	36.3	-0.906
CUP2	P	38	58.87	78.13	84.5	0.285
CUP2	S	39	9.19	78.13	84.5	0.291
ROI	P	38	59.35	84.43	70.3	-0.484
ROI	S	39	10.53	84.43	70.3	-0.536
LADO	P	39	4.53	115.05	91.7	0.925
LADO	S	39	18.32	115.05	91.7	0.722
CNDF	P	39	8.78	146.75	173.1	0.881
CNDF	S	39	25.67	146.75	173.1	0.636

23 150405 1846 07.3 - Scarpata di Paola  
 Lat: 39.32 Lon: 15.60 Prof: 21.0 Km  
 ± 1.59 km ± 3.14 km ± 5.0 km  
 RMS: 0.64s GAP: 224.5° NR: 17

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	46	13.78	37.59	53.1	-0.653
CET2	S	46	18.90	37.59	53.1	-0.716
SMIN	P	46	19.46	66.36	126.2	0.486
MMN	P	46	19.86	71.04	27.9	0.148
MMN	S	46	28.41	71.04	27.9	-0.348
MMNA	P	46	20.76	76.13	38.9	-0.044
MMNA	S	46	29.91	76.13	38.9	-0.738
CUP2	P	46	21.60	81.40	85.5	0.571
CUP2	S	46	31.70	81.40	85.5	0.663
ROI	P	46	22.42	87.28	71.7	0.460

24 150406 0023 26.9 - Catena del Pollino  
 Lat: 39.85 Lon: 16.35 Prof: 0.0 Km  
 ± 6.78 km ± 2.01 km ± 1.7 km  
 RMS: 0.37s GAP: 346.9° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMNA	P	23	30.85	16.69	273.4	0.152
MMNA	S	23	33.61	16.69	273.4	0.195
MMN9	P	23	32.46	26.45	280.0	-0.408
MMN9	S	23	36.91	26.45	280.0	-0.264

25 150406 0117 53.8 - Offshore Calabria Meridionale  
 Lat: 37.83 Lon: 15.65 Prof: 24.9 Km  
 ± 1.09 km ± 1.78 km ± 3.4 km  
 RMS: 0.58s GAP: 162.5° NR: 20

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	18	-.27	25.41	43.9	-0.523
CNDF	S	18	4.77	25.41	43.9	-0.177

26 150406 0119 07.1 - Scarpata di Paola  
 Lat: 39.41 Lon: 15.45 Prof: 272.9 Km  
 ± 2.54 km ± 4.31 km ± 4.8 km  
 RMS: 0.55s GAP: 118.4° NR: 37

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	19	42.36	44.51	74.0	0.335
CET2	S	20	8.15	44.51	74.0	0.567
SMIN	P	19	43.47	82.71	126.7	-0.378
SMIN	S	20	9.94	82.71	126.7	-0.802
ROI	P	19	44.57	97.13	79.9	0.220
ROI	S	20	11.61	97.13	79.9	0.001
MMNA	P	19	44.60	77.85	51.0	0.598
MMNA	S	20	11.69	77.85	51.0	0.682
CUP2	P	19	44.79	93.95	92.3	0.532
CUP2	S	20	12.27	93.95	92.3	0.819
LADO	P	19	45.63	131.93	96.4	-0.228
LADO	S	20	13.76	131.93	96.4	-0.462
CNDF	P	19	48.44	160.59	167.9	0.623
CNDF	S	20	18.07	160.59	167.9	0.454

27 150406 0604 30.5 - Maratea - Rotonda  
 Lat: 39.96 Lon: 15.92 Prof: 5.0 Km  
 ± 0.72 km ± 0.48 km ± 0.4 km  
 RMS: 0.08s GAP: 199.9° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	04	48.77	10.07	147.1	-0.167
MMN	S	04	50.34	10.07	147.1	-0.494

28 150406 1123 40.1 - Alto Tirreno Cosentino  
 Lat: 39.85 Lon: 16.07 Prof: 1.9 Km  
 ± 0.47 km ± 0.18 km ± 0.3 km  
 RMS: 0.07s GAP: 214.0° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	23	41.53	4.96	330.2	0.055
MMN9	S	23	42.40	4.96	330.2	-0.012
MMNA	P	23	41.84	6.95	84.1	0.001
MMNA	S	23	43.00	6.95	84.1	-0.043



41 150410 1720 46.0 - Vallo di Diano  
 Lat: 40.05 Lon: 15.99 Prof: 16.5 Km  
 ± 0.54 km ± 0.72 km ± 2.0 km  
 RMS: 0.34s GAP: 99.5° NR: 23

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	20	51.31	18.68	180.9	0.600
MMN	S	20	54.19	18.68	180.9	0.070
MMNA	P	20	52.00	26.32	147.4	-0.030
MMNA	S	20	56.41	26.32	147.4	0.003
CET2	P	20	57.32	58.97	183.4	0.113
CET2	S	21	4.45	58.97	183.4	-0.924

42 150410 2331 58.1 - Alto Tirreno Cosentino  
 Lat: 39.85 Lon: 16.02 Prof: 5.5 Km  
 ± 0.67 km ± 0.76 km ± 1.8 km  
 RMS: 0.32s GAP: 122.9° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	32	-.25	4.88	329.0	-0.028
MMN	S	32	1.02	4.88	329.0	0.058
MMN9	P	32	-.21	5.01	31.2	-0.043
MMN9	S	32	1.14	5.01	31.2	0.096
MMNA	P	32	.98	12.00	86.7	-0.013
MMNA	S	32	3.38	12.00	86.7	0.311
CET2	P	32	5.26	36.45	189.0	0.070
CET2	S	32	10.23	36.45	189.0	-0.107

43 150410 2341 16.5 - Alto Tirreno Cosentino  
 Lat: 39.86 Lon: 16.02 Prof: 6.0 Km  
 ± 2.05 km ± 1.01 km ± 1.6 km  
 RMS: 0.27s GAP: 217.5° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	41	18.13	4.43	315.6	-0.078
MMN	S	41	19.39	4.43	315.6	-0.018
MMN9	P	41	18.16	3.83	31.5	-0.026
MMN9	S	41	19.63	3.83	31.5	0.266
MMNA	P	41	19.34	11.40	91.6	0.017
MMNA	S	41	21.46	11.40	91.6	0.120

44 150411 0015 01.5 - Alto Tirreno Cosentino  
 Lat: 39.89 Lon: 15.98 Prof: 4.5 Km  
 ± 2.20 km ± 1.07 km ± 1.3 km  
 RMS: 0.23s GAP: 152.4° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	15	2.64	.89	166.4	-0.051
MMN	S	15	3.53	.89	166.4	0.007
MMN9	P	15	3.16	5.37	98.2	0.003
MMN9	S	15	4.42	5.37	98.2	0.091
MMNA	P	15	4.90	15.34	106.5	-0.093
MMNA	S	15	7.49	15.34	106.5	-0.019

45 150411 0245 20.0 - Canyon di Stromboli  
 Lat: 38.68 Lon: 15.53 Prof: 81.2 Km  
 ± 1.18 km ± 1.58 km ± 2.8 km  
 RMS: 0.34s GAP: 171.2° NR: 25

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	45	33.90	49.95	91.9	0.021
VBL2	S	45	43.80	49.95	91.9	-0.212
SMIN	P	45	35.04	68.14	62.4	-0.358
SMIN	S	45	46.17	68.14	62.4	-0.475
CET2	P	45	38.10	100.32	21.6	0.302
CET2	S	45	51.39	100.32	21.6	0.590

46 150411 0315 53.7 - Coste Sicilia Or.  
 Lat: 37.88 Lon: 15.40 Prof: 25.5 Km  
 ± 0.65 km ± 0.68 km ± 1.8 km  
 RMS: 0.32s GAP: 129.5° NR: 16

47 150411 0325 02.0 - Locride  
 Lat: 38.09 Lon: 16.18 Prof: 25.2 Km  
 ± 0.82 km ± 0.87 km ± 2.2 km  
 RMS: 0.33s GAP: 195.8° NR: 22

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	16	2.70	41.63	71.4	0.186
CNDF	S	16	9.01	41.63	71.4	0.098

48 150411 0345 31.2 - Maratea - Rotonda  
 Lat: 40.00 Lon: 15.94 Prof: 12.8 Km  
 ± 0.49 km ± 0.49 km ± 1.4 km  
 RMS: 0.24s GAP: 101.1° NR: 18

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	45	34.87	13.37	162.3	0.041
MMN	S	45	37.68	13.37	162.3	0.252
MMN9	P	45	35.16	15.62	144.0	0.006
MMN9	S	45	38.35	15.62	144.0	0.361
MMNA	P	45	36.89	24.66	131.2	0.169
MMNA	S	45	40.95	24.66	131.2	0.247

49 150411 1053 38.2 - Aspromonte  
 Lat: 38.07 Lon: 15.87 Prof: 43.0 Km  
 ± 0.89 km ± 0.63 km ± 2.3 km  
 RMS: 0.29s GAP: 51.2° NR: 29

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	53	45.36	8.06	190.5	-0.079
CNDF	S	53	50.66	8.06	190.5	-0.065

50 150411 1515 20.9 - Etna  
 Lat: 37.84 Lon: 15.21 Prof: 20.7 Km  
 ± 0.54 km ± 0.77 km ± 2.9 km  
 RMS: 0.50s GAP: 99.6° NR: 51

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	15	32.37	58.84	73.3	0.304
CNDF	S	15	40.99	58.84	73.3	0.780
CET2	P	15	50.11	197.36	19.4	-0.046
CET2	S	16	11.92	197.36	19.4	0.375

51 150411 1940 24.7 - Offshore Locride  
 Lat: 38.00 Lon: 16.25 Prof: 43.7 Km  
 ± 2.17 km ± 2.16 km ± 2.4 km  
 RMS: 0.30s GAP: 251.6° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	40	34.02	34.73	269.8	0.166
CNDF	S	40	40.34	34.73	269.8	-0.193

52 150412 0052 48.3 - Valle del Mesima  
 Lat: 38.81 Lon: 16.28 Prof: 14.5 Km  
 ± 0.73 km ± 1.04 km ± 3.2 km  
 RMS: 0.56s GAP: 80.1° NR: 27

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	52	53.58	21.92	225.2	0.350
VBL2	S	52	56.86	21.92	225.2	0.063
MC32	P	53	.48	60.19	11.5	0.906
MC32	S	53	7.19	60.19	11.5	-0.593
CUP2	P	53	1.67	67.25	19.5	0.923
CUP2	S	53	10.32	67.25	19.5	0.505
CET2	P	53	3.47	84.50	340.2	-0.123
CET2	S	53	13.79	84.50	340.2	-0.954
MMNA	P	53	8.82	116.72	354.6	-0.872
MMNA	S	53	24.67	116.72	354.6	-0.638

53 150412 0143 46.6 - Scarpata di Paola  
 Lat: 38.96 Lon: 15.64 Prof: 215.9 Km  
 ± 1.13 km ± 2.00 km ± 4.0 km  
 RMS: 0.47s GAP: 112.1° NR: 96

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	44	15.83	52.02	129.4	-0.140
VBL2	S	44	36.53	52.02	129.4	-0.890
CSC2	P	44	15.94	63.70	56.7	-0.357
CSC2	S	44	37.31	63.70	56.7	-0.677
CET2	P	44	16.30	67.63	23.7	0.488
CET2	S	44	37.53	67.63	23.7	0.383
SCOI	P	44	16.31	63.78	56.4	0.018
SCOI	S	44	37.50	63.78	56.4	-0.477
TDS	P	44	18.19	97.18	38.2	0.328
TDS	S	44	41.16	97.18	38.2	0.463
CUP2	P	44	18.26	90.67	59.7	0.769
CUP2	S	44	40.14	90.67	59.7	0.085
MMN	P	44	18.61	106.54	16.6	0.103
MMN	S	44	41.63	106.54	16.6	-0.183
CNDF	P	44	18.72	108.89	170.4	0.325
CNDF	S	44	42.27	108.89	170.4	0.650
MMNA	P	44	18.81	108.36	24.5	-0.010
MMNA	S	44	41.84	108.36	24.5	-0.518
LADO	P	44	19.15	120.66	73.1	0.203
LADO	S	44	43.10	120.66	73.1	0.525

54 150412 0146 19.5 - Alto Tirreno Cosentino  
 Lat: 39.89 Lon: 15.98 Prof: 3.3 Km  
 ± 0.45 km ± 0.37 km ± 0.6 km  
 RMS: 0.10s GAP: 168.0° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	46	20.50	.64	138.2	0.066
MMN	S	46	21.05	.64	138.2	-0.060
MMNA	P	46	22.91	15.44	104.9	-0.115
MMNA	S	46	25.73	15.44	104.9	0.130

55 150412 0436 27.3 - Alto Tirreno Cosentino  
 Lat: 39.83 Lon: 16.06 Prof: .2 Km  
 ± 0.67 km ± 0.31 km ± 0.5 km  
 RMS: 0.12s GAP: 247.1° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	36	28.82	6.79	350.2	-0.015
MMN9	S	36	30.03	6.79	350.2	0.073
MMNA	P	36	29.22	8.79	69.4	-0.044
MMNA	S	36	30.72	8.79	69.4	0.018
MMN	P	36	29.44	9.09	316.4	0.102
MMN	S	36	30.65	9.09	316.4	-0.176

56 150412 0627 54.6 - Alto Tirreno Cosentino  
 Lat: 39.76 Lon: 15.98 Prof: 27.1 Km  
 ± 2.01 km ± 2.14 km ± 3.8 km  
 RMS: 0.66s GAP: 143.3° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
TDS	P	28	1.14	31.91	111.0	-0.979
TDS	S	28	7.10	31.91	111.0	-0.486
CET2	P	28	1.95	26.08	186.8	0.388
CET2	S	28	6.33	26.08	186.8	-0.291

57 150412 2330 56.5 - Sicilia Centro-Meridionale  
 Lat: 37.18 Lon: 15.16 Prof: 24.9 Km  
 ± 0.88 km ± 1.17 km ± 2.6 km  
 RMS: 0.40s GAP: 147.9° NR: 30

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	31	14.78	109.51	34.4	-0.091
CNDF	S	31	27.94	109.51	34.4	-0.347

58 150412 2357 29.7 - Maratea - Rotonda  
 Lat: 39.94 Lon: 16.01 Prof: 5.1 Km  
 ± 0.44 km ± 0.30 km ± 0.5 km  
 RMS: 0.09s GAP: 200.9° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	57	31.69	6.63	195.9	0.101
MMN	S	57	32.82	6.63	195.9	-0.091
MMNA	P	57	33.38	16.07	127.9	0.026
MMNA	S	57	35.89	16.07	127.9	-0.088

59 150413 0313 46.7 - Piana Bradano e Basento  
 Lat: 40.82 Lon: 16.55 Prof: 38.1 Km  
 ± 0.96 km ± 1.27 km ± 4.5 km  
 RMS: 0.57s GAP: 124.4° NR: 51

STN	PHASE	MN	SEC	DIST	AZM	RES
MMNA	P	14	5.12	112.68	197.4	-0.762
MMNA	S	14	19.45	112.68	197.4	-0.467
MMN	P	14	6.84	114.65	204.8	0.980
MMN	S	14	20.72	114.65	204.8	0.843
CET2	P	14	10.10	153.11	199.6	0.942
CET2	S	14	26.36	153.11	199.6	0.769
SMIN	P	14	18.20	207.86	187.7	0.344
SMIN	S	14	39.91	207.86	187.7	-0.745

60 150413 1804 13.7 - Canyon di Stromboli  
 Lat: 38.58 Lon: 15.35 Prof: 150.3 Km  
 ± 3.34 km ± 2.22 km ± 2.0 km  
 RMS: 0.25s GAP: 207.4° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	04	36.90	78.37	146.2	0.178
CNDF	S	04	53.64	78.37	146.2	0.104

61 150413 1911 56.4 - M. Nebrodi-Madonie  
 Lat: 38.01 Lon: 14.70 Prof: 14.6 Km  
 ± 0.83 km ± 0.66 km ± 2.5 km  
 RMS: 0.43s GAP: 70.9° NR: 28

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	12	13.64	100.80	91.1	-0.814
CNDF	S	12	28.01	100.80	91.1	0.399
CET2	P	12	26.74	200.15	33.3	-0.505

62 150413 2129 53.8 - Alto Tirreno Cosentino  
 Lat: 39.87 Lon: 15.94 Prof: 5.0 Km  
 ± 1.64 km ± 1.88 km ± 1.7 km  
 RMS: 0.30s GAP: 289.3° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	30	9.96	4.49	72.1	-0.250
MMN	S	30	10.77	4.49	72.1	-0.575
MMN9	P	30	11.03	9.50	81.0	0.057
MMN9	S	30	12.64	9.50	81.0	-0.030
MMNA	P	30	12.70	18.89	96.4	-0.137
MMNA	S	30	16.13	18.89	96.4	0.229

63 150413 2352 02.7 - M. Nebrodi-Madonie  
 Lat: 38.02 Lon: 14.71 Prof: 16.0 Km  
 ± 0.65 km ± 0.57 km ± 2.8 km  
 RMS: 0.48s GAP: 70.7° NR: 46

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	52	21.25	100.51	91.7	0.582
CNDF	S	52	34.41	100.51	91.7	0.599
VBL2	P	52	27.57	141.87	59.8	-0.209
VBL2	S	52	45.60	141.87	59.8	-0.524

64 150414 0203 56.9 - Bacino di Gioia  
 Lat: 38.70 Lon: 15.62 Prof: 6.3 Km  
 ± 0.86 km ± 0.80 km ± 2.4 km  
 RMS: 0.42s GAP: 90.5° NR: 18

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	04	4.37	42.10	95.3	-0.373
VBL2	S	04	10.13	42.10	95.3	-0.328
SMIN	P	04	7.96	60.04	60.8	0.131
SMIN	S	04	16.05	60.04	60.8	0.247

CNDF P 04 12.17 80.71 165.8 0.877  
 CNDF S 04 20.98 80.71 165.8 -0.821  
 CET2 P 04 12.44 95.53 17.6 0.050

65 150414 0452 32.8 - Bacino di Gioia  
 Lat: 38.66 Lon: 15.85 Prof: 152.7 Km  
 ± 3.39 km ± 5.27 km ± 4.9 km  
 RMS: 0.59s GAP: 143.6° NR: 14

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	52	57.26	96.22	5.5	0.523
CET2	S	53	14.70	96.22	5.5	0.476

66 150414 0811 09.2 - Sila Grande  
 Lat: 39.20 Lon: 16.63 Prof: 25.5 Km  
 ± 1.06 km ± 1.29 km ± 0.7 km  
 RMS: 0.11s GAP: 268.8° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	11	16.38	31.27	73.8	-0.104
LADO	S	11	21.90	31.27	73.8	0.121

67 150414 1039 11.1 - M. Peloritani  
 Lat: 38.16 Lon: 14.84 Prof: 118.9 Km  
 ± 1.41 km ± 1.33 km ± 3.8 km  
 RMS: 0.48s GAP: 63.0° NR: 53

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	39	32.01	90.56	101.9	0.160
SMIN	P	39	37.61	150.36	53.7	-0.188
SMIN	S	39	56.79	150.36	53.7	-0.492
CET2	P	39	40.57	179.60	33.0	0.715
CET2	S	40	.85	179.60	33.0	0.006
LADO	P	39	45.88	223.43	56.4	0.481
LADO	S	40	11.34	223.43	56.4	0.896

68 150414 1240 46.5 - Valle dell'Esaro  
 Lat: 39.75 Lon: 16.27 Prof: 7.7 Km  
 ± 0.54 km ± 0.64 km ± 1.7 km  
 RMS: 0.29s GAP: 126.6° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
MMNA	P	40	50.27	15.02	320.8	0.209
MMNA	S	40	52.98	15.02	320.8	0.362
CET2	P	40	53.51	36.99	227.4	-0.204
CET2	S	40	58.33	36.99	227.4	-0.617
TDS	P	40	49.42	12.01	151.8	0.116
TDS	S	40	51.20	12.01	151.8	-0.106

69 150414 1822 52.2 - Lipari  
 Lat: 38.47 Lon: 14.99 Prof: 90.1 Km  
 ± 8.23 km ± 7.24 km ± 5.6 km  
 RMS: 0.70s GAP: 331.4° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	23	13.54	120.33	63.0	-0.025
SMIN	S	23	29.20	120.33	63.0	0.009

70 150414 1833 07.8 - Vallo di Diano  
 Lat: 40.21 Lon: 15.96 Prof: 11.9 Km  
 ± 0.65 km ± 0.76 km ± 2.8 km  
 RMS: 0.47s GAP: 66.5° NR: 29

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	33	15.65	36.05	176.1	0.787
MMN	S	33	20.78	36.05	176.1	0.816
MMNA	P	33	16.29	42.95	156.7	-0.119
MMNA	S	33	22.27	42.95	156.7	-0.379
CET2	P	33	21.82	76.16	180.6	-0.033
CET2	S	33	31.67	76.16	180.6	-0.403

71 150415 0253 20.4 - Maratea - Rotonda  
 Lat: 40.04 Lon: 15.95 Prof: .6 Km  
 ± 0.36 km ± 0.42 km ± 1.1 km  
 RMS: 0.25s GAP: 83.8° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	53	24.15	16.89	170.1	-0.111
MMN	S	53	27.00	16.89	170.1	-0.020

72 150415 1657 03.2 - Piana bat. del Tirreno  
 Lat: 38.89 Lon: 15.32 Prof: 249.8 Km  
 ± 1.01 km ± 1.74 km ± 3.1 km  
 RMS: 0.36s GAP: 114.5° NR: 82

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	57	36.90	72.27	110.4	-0.141
VBL2	S	58	1.59	72.27	110.4	-0.203
SMIN	P	57	36.98	78.60	84.2	-0.262
SMIN	S	58	1.71	78.60	84.2	-0.434
SCOI	P	57	37.34	91.43	61.9	-0.372
SCOI	S	58	2.80	91.43	61.9	-0.156
CET2	P	57	37.55	88.60	38.1	0.641
CET2	S	58	2.47	88.60	38.1	0.905
ROG2	P	57	37.60	91.95	70.4	-0.200
ROG2	S	58	2.61	91.95	70.4	-0.500
SPS2	P	57	37.84	97.83	63.7	-0.227
SPS2	S	58	3.23	97.83	63.7	-0.342
MC32	P	57	38.67	107.26	62.7	0.160
MC32	S	58	5.14	107.26	62.7	0.797
CNDF	P	57	38.71	109.54	155.4	0.136
CNDF	S	58	4.93	109.54	155.4	0.478
MMN	P	57	39.14	124.22	27.8	-0.410
MMN	S	58	5.59	124.22	27.8	-0.552
TDS	P	57	39.41	121.47	46.1	0.134
TDS	S	58	5.98	121.47	46.1	0.314
CUP2	P	57	39.76	118.57	63.1	0.690
MMNA	P	57	39.80	128.70	34.2	-0.225
MMNA	S	58	6.32	128.70	34.2	-0.646
ROI	P	57	40.07	130.80	55.3	0.341
LADO	P	57	40.54	149.26	73.4	-0.137
LADO	S	58	8.32	149.26	73.4	0.229

73 150415 2042 30.9 - Bacino di Gioia  
 Lat: 38.46 Lon: 15.51 Prof: 127.6 Km  
 ± 1.89 km ± 2.48 km ± 3.7 km  
 RMS: 0.45s GAP: 119.6° NR: 28

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	42	50.14	56.18	66.2	-0.172
VBL2	S	43	4.66	56.18	66.2	0.200
CNDF	P	42	50.57	59.40	150.5	0.277
CNDF	S	43	5.18	59.40	150.5	0.749
CET2	P	42	55.30	123.72	18.1	0.670

74 150415 2216 44.1 - Alto Tirreno Cosentino  
 Lat: 39.90 Lon: 16.08 Prof: 1.9 Km  
 ± 0.97 km ± 0.53 km ± 0.8 km  
 RMS: 0.18s GAP: 199.9° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN9	P	16	45.12	3.48	241.4	-0.002
MMN9	S	16	45.91	3.48	241.4	0.045
MMNA	P	16	46.00	8.22	129.7	-0.019
MMNA	S	16	47.37	8.22	129.7	-0.052