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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**

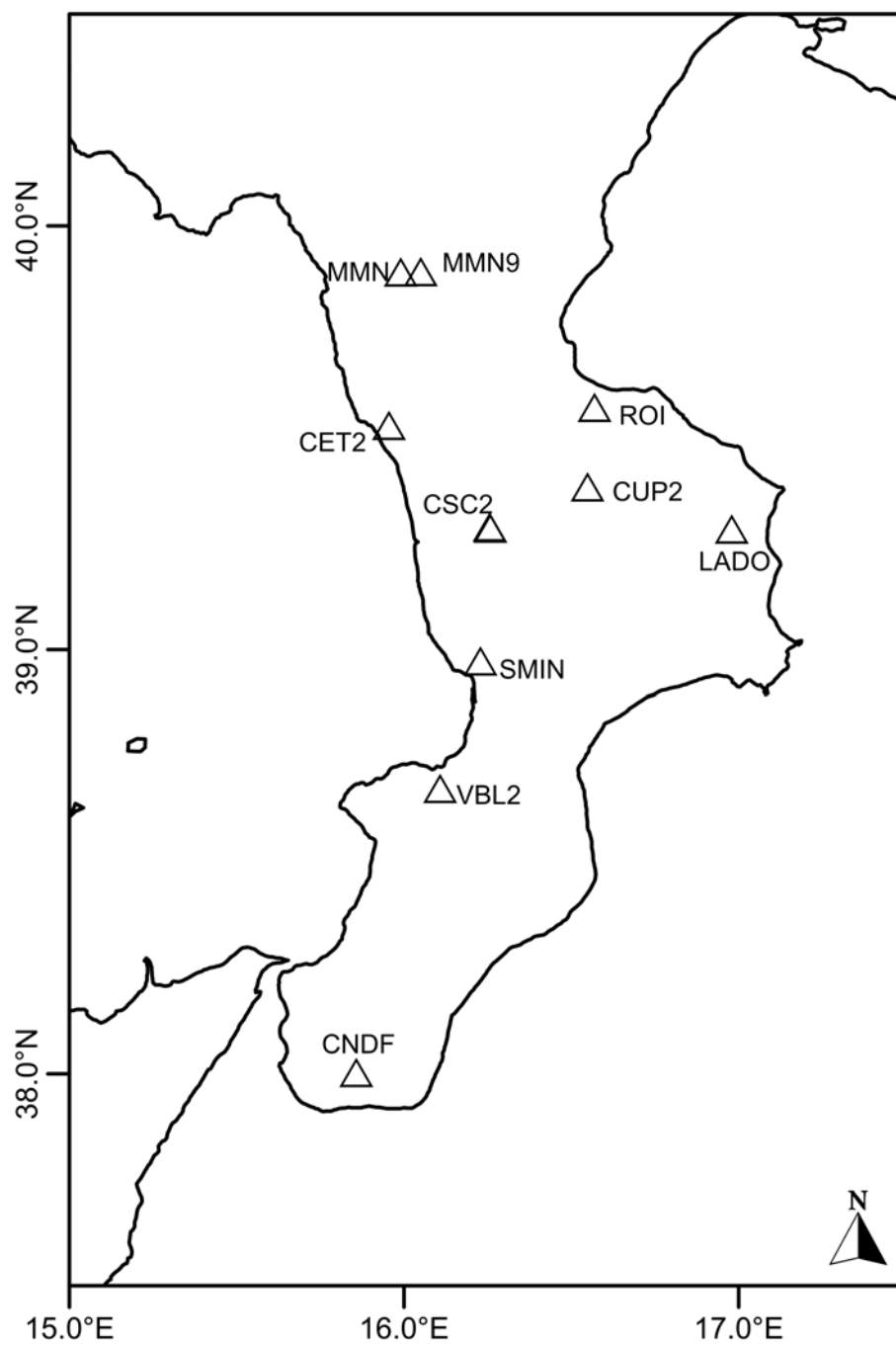
**E**

**DELLE AREE CIRCOSTANTI**

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

Periodo 16-30 Novembre 2013

Distribuzione delle stazioni della Rete Sismica UniCal – Pon MASSIMO



## Toponomastica delle aree epicentrali



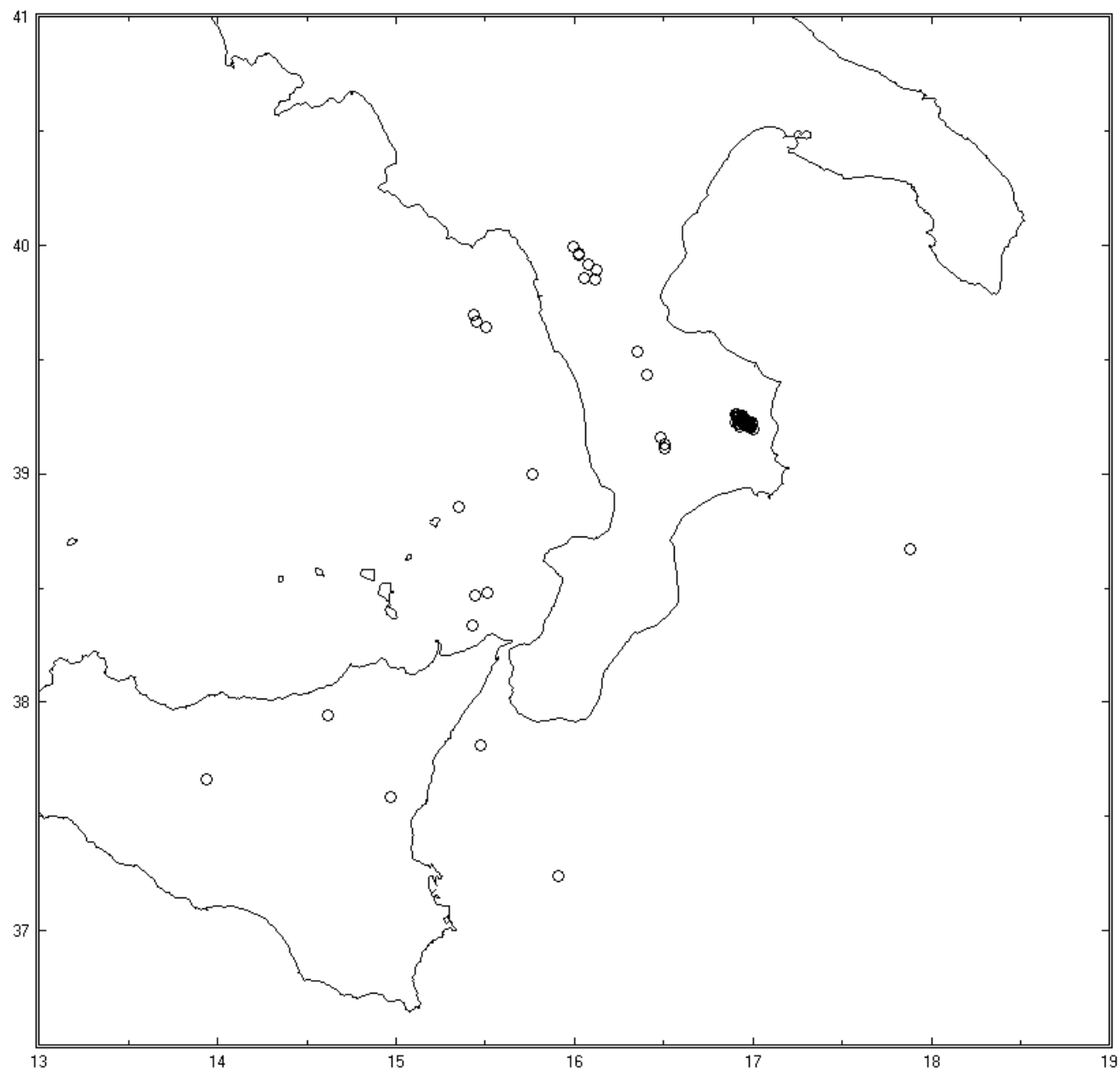
<b>1</b> Murge	<b>19</b> Piana di Sibari	<b>37</b> Offshore Punta Stilo	<b>55</b> Milazzo
<b>2</b> Penisola Salentina	<b>20</b> Valle dell'Esaro	<b>38</b> Punta Stilo	<b>56</b> Monti Peloritani
<b>3</b> Piana del Bradano e del Basento	<b>21</b> Catena del Pollino	<b>39</b> Serre centro-settentrionali	<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
131116	0303	3.1	37.2378	15.9057	17.3	2.3	1.34	1.66	2.77	34	235	0.48	0.28
131116	0747	31.0	39.6657	15.4502	0.0	2.8	0.80	1.35	3.03	42	149	0.67	0.15
131116	0749	52.5	39.6937	15.4356	3.9	2.1	0.87	1.45	2.48	23	167	0.55	0.18
131116	1502	6.3	39.9625	16.0233	6.1	1.4	0.40	0.45	1.11	11	99	0.19	0.06
131117	0603	54.6	39.1116	16.5021	16.9	2.0	0.59	0.60	2.03	21	79	0.35	0.09
131117	0902	48.8	37.6648	13.9355	32.0	2.9	1.16	1.23	4.30	53	71	0.66	0.15
131117	2012	0.8	39.1298	16.5037	11.2	0.9	0.89	0.67	1.59	11	176	0.27	0.12
131117	2102	38.8	39.9941	15.9958	0.2	1.2	0.37	0.58	0.95	9	165	0.21	0.09
131118	1115	35.0	38.4821	15.5097	130.4	2.2	2.34	4.64	3.96	14	197	0.48	0.24
131119	1558	8.3	37.9413	14.6208	9.2	2.6	1.00	1.07	3.53	28	96	0.61	0.14
131123	1948	46.8	39.2451	16.9296	21.5	1.8	0.70	0.96	1.43	12	177	0.25	0.12
131124	0007	0.1	39.1940	17.0048	24.7	1.4	0.82	1.39	1.22	8	249	0.19	0.16
131124	0028	8.2	39.2085	16.9708	25.8	1.5	0.94	1.44	1.98	12	226	0.31	0.18
131124	0309	12.4	39.9555	16.0234	5.8	2.7	0.89	1.15	3.83	24	96	0.66	0.14
131124	0324	10.8	39.2388	16.9446	26.7	1.5	0.45	0.72	0.85	9	193	0.13	0.07
131124	0334	39.5	39.1592	16.4791	24.8	2.0	0.47	0.51	1.74	23	74	0.30	0.06
131124	0930	50.4	39.2244	16.9062	20.1	1.5	0.91	1.16	1.79	11	178	0.31	0.14
131124	1013	5.5	39.2323	16.9489	23.3	1.4	0.71	1.07	1.66	12	201	0.25	0.13
131124	1041	39.9	39.2182	16.9592	26.3	1.8	0.62	0.94	1.33	12	215	0.20	0.11
131124	1045	8.7	39.2256	16.9660	27.8	2.0	0.53	0.79	1.11	13	218	0.17	0.10
131124	1045	50.7	39.2295	16.9360	27.0	2.0	1.27	2.15	2.70	11	193	0.41	0.22
131124	1053	15.1	39.2149	16.9672	26.7	1.4	0.78	1.35	1.58	11	222	0.24	0.15
131124	1131	38.3	39.2209	16.9521	26.5	2.1	0.79	1.34	1.90	13	207	0.29	0.15
131124	1158	12.5	39.2175	16.9719	28.4	1.6	1.01	1.75	1.98	11	225	0.30	0.19
131124	1218	44.2	39.2038	16.9905	25.9	1.5	1.09	1.79	1.69	9	240	0.26	0.20
131124	1221	32.4	39.2303	16.9293	24.5	1.4	0.65	0.90	1.31	10	188	0.20	0.10
131124	1226	48.4	39.2195	16.9293	19.8	2.3	1.35	2.00	2.83	14	194	0.49	0.27
131124	1356	10.9	39.2154	16.9694	28.0	1.4	0.90	1.37	1.85	12	224	0.28	0.16
131124	1414	43.0	39.2127	16.9764	25.9	1.2	0.75	1.22	1.19	9	229	0.18	0.13
131124	1613	35.6	39.2390	16.9576	27.2	1.5	0.71	0.71	0.32	6	205	0.05	0.03
131124	1645	10.6	39.2480	16.9332	22.4	1.2	1.28	2.03	2.22	9	177	0.38	0.20
131124	1849	19.1	39.2611	16.9005	22.0	2.0	1.31	2.04	2.65	9	146	0.46	0.20
131124	2004	31.7	39.2052	16.9258	16.8	2.7	0.68	1.27	3.12	43	179	0.54	0.17
131124	2007	9.3	39.2078	16.9814	24.3	1.3	1.11	1.70	2.47	13	234	0.38	0.22
131124	2011	18.3	39.2328	16.9633	26.7	1.5	0.81	1.28	1.63	12	212	0.25	0.14
131124	2025	43.6	39.2407	16.9477	25.2	1.6	0.34	0.46	0.66	10	195	0.10	0.06
131124	2049	45.7	39.2335	16.9554	26.1	1.5	0.24	0.32	0.48	11	206	0.07	0.04
131124	2051	25.3	39.2325	16.9397	26.6	1.6	0.83	1.25	1.85	12	193	0.28	0.14
131124	2154	33.8	39.2363	16.9323	24.9	1.1	0.61	0.89	1.34	14	186	0.21	0.10
131125	0202	35.4	39.2522	16.9263	24.2	1.1	0.92	1.46	1.99	10	168	0.31	0.14
131125	0210	56.1	39.2409	16.9315	25.3	1.7	0.94	1.40	2.16	12	182	0.33	0.16
131125	0312	31.2	39.2381	16.9321	25.3	1.8	0.78	1.37	1.74	10	184	0.27	0.14
131125	0348	47.4	39.2518	16.9164	24.7	1.5	1.15	1.82	2.36	9	162	0.36	0.17
131125	0849	3.9	39.2610	16.9083	24.3	1.3	0.97	1.54	2.38	17	149	0.37	0.14
131125	0901	53.0	39.2497	16.9084	24.8	1.5	1.36	2.05	2.96	11	160	0.46	0.20
131125	1003	49.3	39.2186	16.9714	26.4	1.7	0.94	1.68	1.93	10	225	0.30	0.18
131125	1013	11.2	39.2285	16.9629	25.1	2.0	0.80	1.55	1.72	9	215	0.27	0.16
131125	1017	17.0	39.2126	16.9889	24.3	1.2	0.49	0.84	0.76	8	239	0.12	0.09
131125	1123	53.7	39.2205	16.9942	24.4	2.2	1.06	1.78	2.94	16	219	0.45	0.24
131125	1221	23.5	39.2189	16.9590	31.3	1.6	1.42	2.49	2.16	9	215	0.33	0.22
131125	1324	6.8	39.2456	16.9332	25.0	1.4	0.66	0.90	1.38	11	179	0.21	0.10
131125	1350	27.5	39.2136	16.9735	26.9	1.1	0.67	1.02	1.39	12	227	0.21	0.12
131125	1351	9.5	39.2206	16.9557	24.8	1.1	0.66	1.11	1.92	24	210	0.30	0.14
131125	1352	50.7	39.2304	16.9656	25.1	1.3	0.30	0.41	0.63	15	216	0.10	0.05
131125	1354	40.3	39.2043	16.9840	25.4	1.5	0.52	0.73	0.49	7	236	0.08	0.07
131125	1406	6.7	39.2360	16.9396	28.2	1.6	1.14	1.77	2.47	14	191	0.38	0.19
131125	1436	56.9	39.2274	16.9662	24.6	1.0	0.26	0.31	0.41	9	218	0.06	0.04

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
131125	1450	48.5	39.2218	16.9765	28.3	1.4	0.95	1.45	1.70	10	228	0.26	0.16
131125	1714	40.4	39.2196	16.9787	31.1	1.2	2.38	3.15	3.60	10	230	0.55	0.34
131125	1715	25.4	39.2193	16.9516	25.0	1.2	1.16	1.23	1.66	8	209	0.26	0.15
131125	1902	57.2	39.6413	15.5069	0.5	1.6	1.16	1.87	1.57	12	251	0.35	0.34
131125	2025	0.3	39.2144	16.9702	29.0	1.5	1.07	1.70	1.67	10	225	0.26	0.18
131125	2058	7.4	39.2266	16.9615	25.1	1.3	0.39	0.47	0.62	9	214	0.10	0.06
131126	0025	29.6	39.5377	16.3496	10.1	1.6	1.57	2.16	3.87	10	175	0.67	0.27
131126	0957	19.8	39.2284	16.9463	27.6	1.2	1.02	1.81	2.13	10	201	0.33	0.18
131126	1158	29.1	38.4687	15.4394	128.7	2.7	2.00	2.96	3.72	28	124	0.45	0.16
131126	1502	10.7	39.2395	16.9406	25.6	1.3	0.28	0.29	0.40	8	189	0.06	0.03
131126	1558	5.9	39.2462	16.9154	22.3	1.4	0.77	1.03	1.56	11	167	0.27	0.12
131127	0228	12.2	39.2232	16.9751	25.6	1.6	1.14	1.80	2.44	12	224	0.38	0.22
131127	0302	27.8	38.8577	15.3533	236.1	2.9	4.13	7.85	3.53	19	239	0.41	0.32
131127	0753	54.1	39.8599	16.0512	8.1	1.5	0.58	0.98	1.60	10	110	0.28	0.09
131127	0936	15.1	39.2554	16.9171	24.6	1.4	1.23	1.96	2.56	9	159	0.39	0.19
131127	1854	59.1	39.2243	16.9704	25.3	1.5	0.66	1.01	1.43	12	222	0.22	0.13
131128	0500	50.7	39.2133	16.9707	22.3	2.3	0.77	1.27	2.50	28	203	0.43	0.16
131128	0606	41.0	37.5839	14.9712	0.6	2.2	0.92	1.30	2.68	14	85	0.59	0.17
131129	0239	38.6	39.2316	16.9672	26.4	1.7	0.89	1.63	2.01	13	215	0.31	0.18
131129	0334	58.8	39.2239	16.9664	26.7	1.4	0.85	1.41	2.00	14	217	0.31	0.17
131129	0346	43.0	39.8902	16.1200	4.4	0.7	0.68	0.56	1.44	10	95	0.32	0.10
131129	0356	43.2	39.2210	16.9195	25.9	1.4	1.04	1.81	2.14	11	152	0.33	0.15
131129	0445	34.4	39.2252	16.9978	28.3	2.7	0.97	1.48	2.72	26	214	0.42	0.19
131129	0446	52.3	39.2529	16.9413	23.9	1.7	0.86	1.38	2.18	14	178	0.34	0.16
131129	0455	15.7	39.9160	16.0806	12.3	1.2	1.20	0.77	1.99	10	119	0.34	0.13
131129	0741	51.5	39.4365	16.4075	17.7	1.5	0.60	0.59	1.99	20	67	0.34	0.08
131129	0955	50.2	39.2212	16.9218	19.7	2.0	1.06	1.63	2.59	16	188	0.45	0.21
131129	0959	58.9	39.2182	16.9453	29.3	1.7	1.23	1.78	2.15	10	205	0.33	0.19
131129	1124	46.4	39.8513	16.1146	10.7	1.6	0.40	0.52	1.30	11	108	0.22	0.07
131129	1257	52.8	39.2059	16.9816	20.7	1.5	0.59	0.83	1.08	11	234	0.19	0.12
131129	1502	57.9	38.9958	15.7631	121.3	3.0	1.07	2.21	5.41	68	107	0.65	0.09
131129	1634	2.6	39.2130	16.9631	25.9	1.8	1.19	1.74	2.42	12	220	0.37	0.22
131129	1815	26.2	37.8116	15.4701	23.1	2.0	0.64	0.81	2.64	34	126	0.46	0.09
131130	020	48.0	38.3367	15.4279	118.8	2.4	2.00	2.25	4.33	35	102	0.54	0.11
131130	2049	31.4	38.6692	17.8807	56.9	2.9	1.68	1.93	4.07	40	230	0.51	0.28

Epicentri localizzati nel periodo di riferimento



# **BOLLETTINO**

1 131116 0303 03.0 - Piana bat. ionica  
 Lat: 37.23 Lon: 15.90 Prof: 17.3 Km  
 ± 1.34 km ± 1.66 km ± 2.8 km  
 RMS: 0.48s GAP: 235.9° NR: 34

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	03	18.30	85.06	357.3	-0.173
CNDF	S	03	29.06	85.06	357.3	-0.692

2 131116 0747 30.9 - G. di Policastro  
 Lat: 39.66 Lon: 15.45 Prof: 0.0 Km  
 ± 0.80 km ± 1.35 km ± 3.0 km  
 RMS: 0.67s GAP: 149.4° NR: 42

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	47	41.52	52.61	62.0	0.228
MMN	S	47	48.33	52.61	62.0	-0.512
SCOI	P	47	46.55	80.99	121.3	0.447
SCOI	S	47	56.95	80.99	121.3	-0.225
ROI	P	47	49.16	96.65	96.3	0.030
ROI	S	48	3.10	96.65	96.3	0.680
CNDF	P	48	.92	187.91	169.5	0.170
CNDF	S	48	22.46	187.91	169.5	-0.085

3 131116 0749 52.5 - G. di Policastro  
 Lat: 39.69 Lon: 15.43 Prof: 3.9 Km  
 ± 0.87 km ± 1.45 km ± 2.5 km  
 RMS: 0.55s GAP: 167.0° NR: 23

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	50	2.01	52.33	65.6	-0.284
MMN	S	50	9.59	52.33	65.6	0.161
ROI	P	50	10.43	98.26	98.1	0.283
ROI	S	50	23.81	98.26	98.1	0.782

4 131116 1502 06.3 - Maratea - Rotonda  
 Lat: 39.96 Lon: 16.02 Prof: 6.1 Km  
 ± 0.40 km ± 0.45 km ± 1.1 km  
 RMS: 0.19s GAP: 99.2° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	02	8.49	8.43	199.5	0.017
MMN	S	02	9.97	8.43	199.5	-0.087

5 131117 0603 54.6 - Sila Piccola  
 Lat: 39.11 Lon: 16.50 Prof: 16.9 Km  
 ± 0.59 km ± 0.60 km ± 2.0 km  
 RMS: 0.35s GAP: 79.1° NR: 21

STN	PHASE	MN	SEC	DIST	AZM	RES
SCOI	P	04	.70	28.97	312.8	0.008
SCOI	S	04	5.00	28.97	312.8	-0.137
LADO	P	04	3.92	45.44	64.8	0.586
LADO	S	04	9.32	45.44	64.8	-0.393
ROI	P	04	4.19	51.42	6.3	-0.405
ROI	S	04	11.46	51.42	6.3	-0.439
CET2	P	04	6.44	66.14	314.5	-0.504
CET2	S	04	15.71	66.14	314.5	-0.258
MMN	P	04	12.43	97.06	333.0	0.353
MMN	S	04	25.62	97.06	333.0	0.763

6 131117 0902 48.8 - Sicilia Centro-Meridionale  
 Lat: 37.66 Lon: 13.93 Prof: 32.0 Km  
 ± 1.16 km ± 1.23 km ± 4.3 km  
 RMS: 0.66s GAP: 71.1° NR: 53

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	03	15.76	173.29	78.3	0.471
CNDF	S	03	34.87	173.29	78.3	0.205
CET2	P	03	26.15	271.55	41.2	0.000

7 131117 2012 00.8 - Sila Piccola  
 Lat: 39.12 Lon: 16.50 Prof: 11.2 Km  
 ± 0.89 km ± 0.67 km ± 1.6 km  
 RMS: 0.27s GAP: 176.3° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	12	9.49	44.50	67.1	0.339
ROI	P	12	9.93	49.39	6.4	-0.359

8 131117 2102 38.7 - Maratea - Rotonda  
 Lat: 39.99 Lon: 15.99 Prof: .2 Km  
 ± 0.37 km ± 0.58 km ± 0.9 km  
 RMS: 0.21s GAP: 165.6° NR: 9

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	02	41.25	11.47	182.4	-0.078
MMN	S	02	43.35	11.47	182.4	0.148

9 131118 1115 35.0 - Bacino di Gioia  
 Lat: 38.48 Lon: 15.50 Prof: 130.4 Km  
 ± 2.34 km ± 4.64 km ± 4.0 km  
 RMS: 0.48s GAP: 197.9° NR: 14

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	15	54.59	56.30	68.1	-0.078
VBL2	S	16	8.92	56.30	68.1	-0.132
CET2	P	15	59.49	122.42	18.7	0.707
CET2	S	16	16.89	122.42	18.7	0.713

10 131119 1558 08.2 - M. Nebrodi-Madonie  
 Lat: 37.94 Lon: 14.62 Prof: 9.2 Km  
 ± 1.00 km ± 1.07 km ± 3.5 km  
 RMS: 0.61s GAP: 96.4° NR: 28

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	58	27.84	108.85	87.0	0.277

11 131123 1948 46.8 - Presila nord-or.  
 Lat: 39.24 Lon: 16.92 Prof: 21.5 Km  
 ± 0.70 km ± 0.96 km ± 1.4 km  
 RMS: 0.25s GAP: 177.2° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	48	50.90	6.08	44.4	-0.046
LADO	S	48	54.14	6.08	44.4	0.185
ROI	P	48	56.15	47.74	319.1	-0.298
ROI	S	49	3.52	47.74	319.1	0.032

12 131124 0007 00.0 - Marchesato  
 Lat: 39.19 Lon: 17.00 Prof: 24.7 Km  
 ± 0.82 km ± 1.39 km ± 1.2 km  
 RMS: 0.19s GAP: 249.8° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	07	5.02	10.22	347.1	0.082
LADO	S	07	8.44	10.22	347.1	-0.039

13 131124 0028 08.2 - Marchesato  
 Lat: 39.20 Lon: 16.97 Prof: 25.8 Km  
 ± 0.94 km ± 1.44 km ± 2.0 km  
 RMS: 0.31s GAP: 226.0° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	28	13.14	8.40	4.5	-0.001
LADO	S	28	16.66	8.40	4.5	-0.056
CUP2	P	28	17.03	41.31	297.7	0.045
CUP2	S	28	23.65	41.31	297.7	0.275
ROI	P	28	18.51	53.13	319.0	-0.345
ROI	S	28	26.51	53.13	319.0	-0.102

14 131124 0309 12.4 - Maratea - Rotonda  
 Lat: 39.95 Lon: 16.02 Prof: 5.8 Km  
 ± 0.89 km ± 1.15 km ± 3.8 km  
 RMS: 0.66s GAP: 96.4° NR: 24

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	09	20.98	47.74	187.3	-0.431
CET2	S	09	27.05	47.74	187.3	-0.941
ROI	P	09	24.04	63.26	132.3	-0.161
ROI	S	09	33.47	63.26	132.3	0.645
SCOI	P	09	26.60	76.63	164.9	0.490
SCOI	S	09	36.97	76.63	164.9	0.840
VBL2	P	09	37.41	142.48	177.2	-0.080
VBL2	S	09	56.67	142.48	177.2	0.829



15 131124 0324 10.8 - Presila nord-or.  
 Lat: 39.23 Lon: 16.94 Prof: 26.7 Km  
 ± 0.45 km ± 0.72 km ± 0.8 km  
 RMS: 0.13s GAP: 193.7° NR: 9

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	24	15.65	5.83	30.4	-0.064
LADO	S	24	19.23	5.83	30.4	-0.072
ROI	P	24	20.67	49.11	318.5	-0.162
ROI	S	24	28.17	49.11	318.5	0.005

16 131124 0334 39.4 - Sila Piccola  
 Lat: 39.15 Lon: 16.47 Prof: 24.8 Km  
 ± 0.47 km ± 0.51 km ± 1.7 km  
 RMS: 0.30s GAP: 74.0° NR: 23

STN	PHASE	MN	SEC	DIST	AZM	RES
SCOI	P	34	45.90	24.04	306.8	0.235
SCOI	S	34	49.99	24.04	306.8	-0.218
LADO	P	34	48.43	45.36	71.9	-0.265
LADO	S	34	55.66	45.36	71.9	0.205
ROI	P	34	48.63	46.46	9.4	-0.467
ROI	S	34	55.41	46.46	9.4	-0.742
CET2	P	34	51.03	61.06	312.2	0.317
CET2	S	34	59.02	61.06	312.2	0.069
VBL2	P	34	51.85	62.76	210.8	0.397
VBL2	S	35	.12	62.76	210.8	-0.112

17 131124 0930 50.3 - Presila nord-or.  
 Lat: 39.22 Lon: 16.90 Prof: 20.1 Km  
 ± 0.91 km ± 1.16 km ± 1.8 km  
 RMS: 0.31s GAP: 178.4° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	30	54.32	9.13	43.2	-0.100
LADO	S	30	57.54	9.13	43.2	0.139
ROI	P	31	-.41	48.27	322.7	-0.378
ROI	S	31	7.44	48.27	322.7	0.433

18 131124 1013 05.5 - Marchesato  
 Lat: 39.23 Lon: 16.94 Prof: 23.3 Km  
 ± 0.71 km ± 1.07 km ± 1.7 km  
 RMS: 0.25s GAP: 201.4° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	13	9.94	6.30	24.1	0.001
LADO	S	13	13.07	6.30	24.1	-0.102
ROI	P	13	16.02	49.90	318.7	0.444
ROI	S	13	22.93	49.90	318.7	-0.002

19 131124 1041 39.8 - Marchesato  
 Lat: 39.21 Lon: 16.95 Prof: 26.3 Km  
 ± 0.62 km ± 0.94 km ± 1.3 km  
 RMS: 0.20s GAP: 215.8° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	41	44.71	7.50	13.0	-0.090
LADO	S	41	48.12	7.50	13.0	-0.275
ROI	P	41	50.17	51.66	319.1	-0.106
ROI	S	41	57.78	51.66	319.1	-0.100

20 131124 1045 08.6 - Marchesato  
 Lat: 39.22 Lon: 16.96 Prof: 27.8 Km  
 ± 0.53 km ± 0.79 km ± 1.1 km  
 RMS: 0.17s GAP: 218.8° NR: 13

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	45	13.74	6.57	9.6	-0.035
LADO	S	45	17.46	6.57	9.6	-0.045
ROI	P	45	19.11	51.43	318.0	0.016
ROI	S	45	26.46	51.43	318.0	-0.254

21 131124 1045 50.7 - Presila nord-or.  
 Lat: 39.22 Lon: 16.93 Prof: 27.0 Km  
 ± 1.27 km ± 2.15 km ± 2.7 km  
 RMS: 0.41s GAP: 193.2° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	45	55.50	7.11	31.3	-0.244

LADO S 45 59.20 7.11 31.3 -0.202  
 ROI P 46 .79 49.42 319.9 -0.035  
 ROI S 46 7.28 49.42 319.9 -0.923

22 131124 1053 15.1 - Marchesato  
 Lat: 39.21 Lon: 16.96 Prof: 26.7 Km  
 ± 0.78 km ± 1.35 km ± 1.6 km  
 RMS: 0.24s GAP: 222.8° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	53	19.98	7.73	7.3	-0.104
LADO	S	53	23.54	7.73	7.3	-0.191
ROI	P	53	25.68	52.39	318.8	0.063
ROI	S	53	33.09	52.39	318.8	-0.222

23 131124 1131 38.3 - Marchesato  
 Lat: 39.22 Lon: 16.95 Prof: 26.5 Km  
 ± 0.79 km ± 1.34 km ± 1.9 km  
 RMS: 0.29s GAP: 207.5° NR: 13

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	31	43.22	7.38	18.1	-0.050
LADO	S	31	46.85	7.38	18.1	-0.034
ROI	P	31	48.41	51.04	319.4	-0.225
ROI	S	31	56.94	51.04	319.4	0.764

24 131124 1158 12.5 - Marchesato  
 Lat: 39.21 Lon: 16.97 Prof: 28.4 Km  
 ± 1.01 km ± 1.75 km ± 2.0 km  
 RMS: 0.30s GAP: 225.7° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	58	17.66	7.40	4.5	-0.064
LADO	S	58	21.26	7.40	4.5	-0.281
ROI	P	58	22.66	52.44	318.3	-0.437
ROI	S	58	30.84	52.44	318.3	-0.008

25 131124 1218 44.2 - Marchesato  
 Lat: 39.20 Lon: 16.99 Prof: 25.9 Km  
 ± 1.09 km ± 1.79 km ± 1.7 km  
 RMS: 0.26s GAP: 240.7° NR: 9

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	18	49.14	8.94	353.4	-0.019
LADO	S	18	52.63	8.94	353.4	-0.138

26 131124 1221 32.4 - Presila nord-or.  
 Lat: 39.23 Lon: 16.92 Prof: 24.5 Km  
 ± 0.65 km ± 0.90 km ± 1.3 km  
 RMS: 0.20s GAP: 188.1° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	21	36.89	7.35	35.5	-0.171
LADO	S	21	40.33	7.35	35.5	-0.127

27 131124 1226 48.4 - Marchesato  
 Lat: 39.21 Lon: 16.92 Prof: 19.8 Km  
 ± 1.35 km ± 2.00 km ± 2.8 km  
 RMS: 0.49s GAP: 194.6° NR: 14

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	26	52.33	8.35	30.7	-0.041
LADO	S	26	55.90	8.35	30.7	0.624
ROI	P	26	57.48	49.91	321.3	-0.790
ROI	S	27	6.01	49.91	321.3	0.517
SCOI	P	27	-.41	58.59	277.4	0.186
MMN	P	27	8.42	109.83	312.6	0.371

28 131124 1356 10.8 - Marchesato  
 Lat: 39.21 Lon: 16.96 Prof: 28.0 Km  
 ± 0.90 km ± 1.37 km ± 1.8 km  
 RMS: 0.28s GAP: 224.3° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	56	16.00	7.65	6.0	-0.055
LADO	S	56	19.50	7.65	6.0	-0.338
ROI	P	56	21.26	52.47	318.6	-0.201
ROI	S	56	29.37	52.47	318.6	0.167

29 131124 1414 42.9 - Marchesato  
 Lat: 39.21 Lon: 16.97 Prof: 25.9 Km  
 ± 0.75 km ± 1.22 km ± 1.2 km  
 RMS: 0.18s GAP: 229.0° NR: 9

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	14	47.82	7.91	1.4	-0.032
LADO	S	14	51.32	7.91	1.4	-0.099

30 131124 1613 35.5 - Presila nord-or.  
 Lat: 39.23 Lon: 16.95 Prof: 27.2 Km  
 ± 0.71 km ± 0.71 km ± 0.3 km  
 RMS: 0.05s GAP: 205.4° NR: 6

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	13	40.58	5.33	20.2	0.025
LADO	S	13	44.16	5.33	20.2	-0.026

31 131124 1645 10.6 - Presila nord-or.  
 Lat: 39.24 Lon: 16.93 Prof: 22.4 Km  
 ± 1.28 km ± 2.03 km ± 2.2 km  
 RMS: 0.38s GAP: 177.1° NR: 9

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	45	14.84	5.63	44.5	-0.020
LADO	S	45	17.95	5.63	44.5	-0.016

32 131124 1849 19.0 - Presila nord-or.  
 Lat: 39.26 Lon: 16.90 Prof: 22.0 Km  
 ± 1.31 km ± 2.04 km ± 2.7 km  
 RMS: 0.46s GAP: 146.8° NR: 9

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	49	23.11	7.25	69.1	-0.232
LADO	S	49	26.36	7.25	69.1	-0.097
ROI	P	49	28.61	44.76	320.1	0.353
ROI	S	49	34.07	44.76	320.1	-0.898

33 131124 2004 31.6 - Marchesato  
 Lat: 39.20 Lon: 16.92 Prof: 16.8 Km  
 ± 0.68 km ± 1.27 km ± 3.1 km  
 RMS: 0.54s GAP: 179.1° NR: 43

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	04	35.42	9.88	27.4	0.115
LADO	S	04	38.77	9.88	27.4	0.810
SCOI	P	04	42.73	58.53	279.0	0.195
SCOI	S	04	50.16	58.53	279.0	-0.319
CET2	P	04	47.44	91.08	293.1	-0.067
VBL2	P	04	48.31	92.24	230.1	0.049
VBL2	S	05	.30	92.24	230.1	-0.099
MMN	P	04	52.13	110.70	313.3	0.668
MMN	S	05	6.04	110.70	313.3	0.091
CNDF	P	04	58.54	162.68	214.8	0.469

34 131124 2007 09.2 - Marchesato  
 Lat: 39.20 Lon: 16.98 Prof: 24.3 Km  
 ± 1.11 km ± 1.70 km ± 2.5 km  
 RMS: 0.38s GAP: 234.3° NR: 13

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	07	14.01	8.46	358.3	0.057
LADO	S	07	17.00	8.46	358.3	-0.370
ROI	P	07	19.48	53.79	318.4	-0.469
ROI	S	07	28.58	53.79	318.4	0.824

35 131124 2011 18.3 - Marchesato  
 Lat: 39.23 Lon: 16.96 Prof: 26.7 Km  
 ± 0.81 km ± 1.28 km ± 1.6 km  
 RMS: 0.25s GAP: 212.2° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	11	23.34	5.84	13.2	0.093
LADO	S	11	26.55	5.84	13.2	-0.283
ROI	P	11	28.16	50.68	317.6	-0.447
ROI	S	11	36.38	50.68	317.6	0.266

36 131124 2025 43.6 - Presila nord-or.  
 Lat: 39.24 Lon: 16.94 Prof: 25.2 Km  
 ± 0.34 km ± 0.46 km ± 0.7 km  
 RMS: 0.10s GAP: 195.1° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	25	48.38	5.52	29.2	0.100
LADO	S	25	51.52	5.52	29.2	-0.174
ROI	P	25	53.49	49.13	318.1	-0.092
ROI	S	26	.92	49.13	318.1	0.042

37 131124 2049 45.6 - Marchesato  
 Lat: 39.23 Lon: 16.95 Prof: 26.1 Km  
 ± 0.24 km ± 0.32 km ± 0.5 km  
 RMS: 0.07s GAP: 206.3° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	49	50.48	5.97	19.8	-0.027
LADO	S	49	54.07	5.97	19.8	0.040
ROI	P	49	55.95	50.17	318.1	0.110
ROI	S	50	3.16	50.17	318.1	-0.120

38 131124 2051 25.2 - Presila nord-or.  
 Lat: 39.23 Lon: 16.93 Prof: 26.6 Km  
 ± 0.83 km ± 1.25 km ± 1.8 km  
 RMS: 0.28s GAP: 193.0° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	51	30.04	6.65	30.5	-0.165
LADO	S	51	33.49	6.65	30.5	-0.312
ROI	P	51	35.25	49.36	319.4	-0.088
ROI	S	51	42.24	49.36	319.4	-0.453

39 131124 2154 33.8 - Presila nord-or.  
 Lat: 39.23 Lon: 16.93 Prof: 24.9 Km  
 ± 0.61 km ± 0.89 km ± 1.3 km  
 RMS: 0.21s GAP: 186.1° NR: 14

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	54	38.32	6.67	37.0	-0.173
LADO	S	54	41.94	6.67	37.0	0.026
ROI	P	54	43.91	48.63	319.7	0.197

40 131125 0202 35.4 - Presila nord-or.  
 Lat: 39.25 Lon: 16.92 Prof: 24.2 Km  
 ± 0.92 km ± 1.46 km ± 2.0 km  
 RMS: 0.31s GAP: 168.2° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	02	39.89	5.77	52.0	-0.044
LADO	S	02	42.97	5.77	52.0	-0.277
ROI	P	02	45.22	46.95	318.8	0.208
ROI	S	02	51.45	46.95	318.8	-0.591

41 131125 0210 56.0 - Presila nord-or.  
 Lat: 39.24 Lon: 16.93 Prof: 25.3 Km  
 ± 0.94 km ± 1.40 km ± 2.2 km  
 RMS: 0.33s GAP: 182.0° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	11	.63	6.31	40.3	-0.170
LADO	S	11	3.88	6.31	40.3	-0.369
ROI	P	11	5.88	48.20	319.3	-0.036
ROI	S	11	12.32	48.20	319.3	-0.790

42 131125 0312 31.2 - Presila nord-or.  
 Lat: 39.23 Lon: 16.93 Prof: 25.3 Km  
 ± 0.78 km ± 1.37 km ± 1.7 km  
 RMS: 0.27s GAP: 184.6° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	12	35.87	6.51	38.2	-0.091
LADO	S	12	39.12	6.51	38.2	-0.296
ROI	P	12	40.98	48.47	319.5	-0.130
ROI	S	12	47.87	48.47	319.5	-0.464

43 131125 0348 47.4 - Presila nord-or.  
 Lat: 39.25 Lon: 16.91 Prof: 24.7 Km  
 ± 1.15 km ± 1.82 km ± 2.4 km  
 RMS: 0.36s GAP: 162.8° NR: 9

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	48	51.95	6.50	56.3	-0.094
LADO	S	48	55.43	6.50	56.3	-0.003
ROI	P	48	57.34	46.43	319.6	0.388
ROI	S	49	3.52	46.43	319.6	-0.414

44 131125 0849 03.8 - Presila nord-or.  
 Lat: 39.26 Lon: 16.90 Prof: 24.3 Km  
 ± 0.97 km ± 1.54 km ± 2.4 km  
 RMS: 0.37s GAP: 149.9° NR: 17

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	49	8.27	6.63	67.0	-0.165
LADO	S	49	11.60	6.63	67.0	-0.186
ROI	P	49	13.53	45.20	319.4	0.335
ROI	S	49	19.25	45.20	319.4	-0.778

45 131125 0901 53.0 - Presila nord-or.  
 Lat: 39.24 Lon: 16.90 Prof: 24.8 Km  
 ± 1.36 km ± 2.05 km ± 3.0 km  
 RMS: 0.46s GAP: 160.7° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	01	57.40	7.21	57.7	-0.297
LADO	S	02	.96	7.21	57.7	-0.161
ROI	P	02	2.56	46.17	320.4	0.039
ROI	S	02	8.51	46.17	320.4	-0.967

46 131125 1003 49.3 - Marchesato  
 Lat: 39.21 Lon: 16.97 Prof: 26.4 Km  
 ± 0.94 km ± 1.68 km ± 1.9 km  
 RMS: 0.30s GAP: 225.1° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	03	54.22	7.29	4.9	-0.045
LADO	S	03	57.63	7.29	4.9	-0.234
ROI	P	04	-.41	52.33	318.2	-0.250
ROI	S	04	7.29	52.33	318.2	-0.232

47 131125 1013 11.1 - Marchesato  
 Lat: 39.22 Lon: 16.96 Prof: 25.1 Km  
 ± 0.80 km ± 1.55 km ± 1.7 km  
 RMS: 0.27s GAP: 215.1° NR: 9

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	13	15.82	6.31	12.5	-0.014
LADO	S	13	19.34	6.31	12.5	0.078
ROI	P	13	21.03	51.01	318.0	-0.374
ROI	S	13	28.94	51.01	318.0	0.032

48 131125 1017 16.9 - Marchesato  
 Lat: 39.21 Lon: 16.98 Prof: 24.3 Km  
 ± 0.49 km ± 0.84 km ± 0.8 km  
 RMS: 0.12s GAP: 239.0° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	17	21.64	7.95	353.5	0.040
LADO	S	17	24.98	7.95	353.5	-0.019

49 131125 1123 53.6 - Marchesato  
 Lat: 39.22 Lon: 16.99 Prof: 24.4 Km  
 ± 1.06 km ± 1.78 km ± 2.9 km  
 RMS: 0.45s GAP: 219.9° NR: 16

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	23	58.53	7.15	349.2	0.227
LADO	S	24	2.09	7.15	349.2	0.406
ROI	P	24	3.66	53.49	316.5	-0.647
ROI	S	24	11.59	53.49	316.5	-0.492
CET2	P	24	10.33	95.90	290.8	0.898
CET2	S	24	21.02	95.90	290.8	0.065

50 131125 1221 23.4 - Marchesato  
 Lat: 39.21 Lon: 16.95 Prof: 31.3 Km  
 ± 1.42 km ± 2.49 km ± 2.2 km  
 RMS: 0.33s GAP: 215.5° NR: 9

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	21	29.11	7.43	13.2	-0.021
LADO	S	21	32.76	7.43	13.2	-0.507

51 131125 1324 06.8 - Presila nord-or.  
 Lat: 39.24 Lon: 16.93 Prof: 25.0 Km  
 ± 0.66 km ± 0.90 km ± 1.4 km  
 RMS: 0.21s GAP: 179.3° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	24	11.40	5.83	42.6	-0.086
LADO	S	24	14.79	5.83	42.6	-0.097
ROI	P	24	16.66	47.90	318.8	0.051
ROI	S	24	23.26	47.90	318.8	-0.500

52 131125 1350 27.5 - Marchesato  
 Lat: 39.21 Lon: 16.97 Prof: 26.9 Km  
 ± 0.67 km ± 1.02 km ± 1.4 km  
 RMS: 0.21s GAP: 227.8° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	50	32.51	7.82	3.2	-0.043
LADO	S	50	36.07	7.82	3.2	-0.155
ROI	P	50	37.97	52.86	318.5	-0.163
ROI	S	50	45.71	52.86	318.5	-0.178

53 131125 1351 09.5 - Marchesato  
 Lat: 39.22 Lon: 16.95 Prof: 24.8 Km  
 ± 0.66 km ± 1.11 km ± 1.9 km  
 RMS: 0.30s GAP: 210.1° NR: 24

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	51	14.26	7.32	15.7	0.034
LADO	S	51	17.46	7.32	15.7	-0.194
ROI	P	51	19.43	51.26	319.2	-0.397
ROI	S	51	27.49	51.26	319.2	0.133
CET2	P	51	25.62	92.80	291.5	0.750
CET2	S	51	35.97	92.80	291.5	-0.118
VBL2	P	51	26.38	95.32	230.3	-0.195
VBL2	S	51	38.84	95.32	230.3	-0.201

54 131125 1352 50.6 - Marchesato  
 Lat: 39.23 Lon: 16.96 Prof: 25.1 Km  
 ± 0.30 km ± 0.41 km ± 0.6 km  
 RMS: 0.10s GAP: 216.8° NR: 15

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	52	55.37	6.06	10.8	0.039
LADO	S	52	58.68	6.06	10.8	-0.072
ROI	P	53	.82	51.02	317.7	-0.093
ROI	S	53	8.41	51.02	317.7	-0.008

55 131125 1354 40.3 - Marchesato  
 Lat: 39.20 Lon: 16.98 Prof: 25.4 Km  
 ± 0.52 km ± 0.73 km ± 0.5 km  
 RMS: 0.08s GAP: 236.5° NR: 7

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	54	45.17	8.85	356.9	0.010
LADO	S	54	48.73	8.85	356.9	0.017

56 131125 1406 06.7 - Presila nord-or.  
 Lat: 39.23 Lon: 16.93 Prof: 28.2 Km  
 ± 1.14 km ± 1.77 km ± 2.5 km  
 RMS: 0.38s GAP: 191.6° NR: 14

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	06	11.90	6.33	32.3	0.034
LADO	S	06	14.73	6.33	32.3	-0.902
ROI	P	06	17.13	49.06	319.1	0.329
ROI	S	06	23.64	49.06	319.1	-0.537

57 131125 1436 56.9 - Marchesato  
 Lat: 39.22 Lon: 16.96 Prof: 24.6 Km  
 ± 0.26 km ± 0.31 km ± 0.4 km  
 RMS: 0.06s GAP: 218.4° NR: 9

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	37	1.55	6.37	9.7	-0.001
LADO	S	37	4.88	6.37	9.7	-0.048

58 131125 1450 48.4 - Marchesato  
 Lat: 39.22 Lon: 16.97 Prof: 28.3 Km  
 ± 0.95 km ± 1.45 km ± 1.7 km  
 RMS: 0.26s GAP: 228.4° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	50	53.71	6.90	1.6	0.056
LADO	S	50	57.10	6.90	1.6	-0.345
ROI	P	50	58.67	52.35	317.6	-0.373

59 131125 1714 40.4 - Marchesato  
 Lat: 39.21 Lon: 16.97 Prof: 31.1 Km  
 ± 2.38 km ± 3.15 km ± 3.6 km  
 RMS: 0.55s GAP: 230.6° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	14	46.05	7.13	359.9	0.026
LADO	S	14	49.26	7.13	359.9	-0.867

60 131125 1715 25.3 - Marchesato  
 Lat: 39.21 Lon: 16.95 Prof: 25.0 Km  
 ± 1.16 km ± 1.23 km ± 1.7 km  
 RMS: 0.26s GAP: 209.8° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	15	30.04	7.56	18.0	-0.081
LADO	S	15	33.52	7.56	18.0	-0.059

61 131125 1902 57.1 - Offshore Scalea -  
 Diamante  
 Lat: 39.64 Lon: 15.50 Prof: .5 Km  
 ± 1.16 km ± 1.87 km ± 1.6 km  
 RMS: 0.35s GAP: 251.9° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	03	5.67	40.43	108.3	0.110
CET2	S	03	11.43	40.43	108.3	-0.279

62 131125 2025 00.2 - Marchesato  
 Lat: 39.21 Lon: 16.97 Prof: 29.0 Km  
 ± 1.07 km ± 1.70 km ± 1.7 km  
 RMS: 0.26s GAP: 225.1° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	25	5.62	7.75	5.4	-0.014
LADO	S	25	9.08	7.75	5.4	-0.447
CET2	P	25	15.28	94.22	291.6	-0.255

63 131125 2058 07.3 - Marchesato  
 Lat: 39.22 Lon: 16.96 Prof: 25.1 Km  
 ± 0.39 km ± 0.47 km ± 0.6 km  
 RMS: 0.10s GAP: 214.7° NR: 9

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	58	12.07	6.55	13.1	0.006
LADO	S	58	15.42	6.55	13.1	-0.077

64 131126 0025 29.5 - Sila Greca  
 Lat: 39.53 Lon: 16.34 Prof: 10.1 Km  
 ± 1.57 km ± 2.16 km ± 3.9 km  
 RMS: 0.67s GAP: 175.5° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
SCOI	P	25	35.67	28.72	196.2	0.489
SCOI	S	25	38.56	28.72	196.2	-0.712
MMN	P	25	38.79	49.85	321.9	-0.037
MMN	S	25	45.20	49.85	321.9	-0.387

65 131126 0957 19.8 - Marchesato  
 Lat: 39.22 Lon: 16.94 Prof: 27.6 Km  
 ± 1.02 km ± 1.81 km ± 2.1 km  
 RMS: 0.33s GAP: 201.5° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	57	24.77	6.79	24.4	-0.111
LADO	S	57	28.25	6.79	24.4	-0.344
ROI	P	57	29.87	50.08	319.2	-0.139
ROI	S	57	36.90	50.08	319.2	-0.576

66 131126 1158 29.1 - Bacino di Gioia  
 Lat: 38.46 Lon: 15.43 Prof: 128.7 Km  
 ± 2.00 km ± 2.96 km ± 3.7 km  
 RMS: 0.45s GAP: 124.0° NR: 28

STN	PHASE	MN	SEC	DIST	AZM	RES
CSC2	P	58	52.47	115.24	38.3	-0.414
CSC2	S	59	9.47	115.24	38.3	-0.802
CET2	P	58	53.91	125.86	21.1	0.853
LADO	P	58	56.77	161.39	55.9	-0.244

67 131126 1502 10.7 - Presila nord-or.  
 Lat: 39.23 Lon: 16.94 Prof: 25.6 Km  
 ± 0.28 km ± 0.29 km ± 0.4 km  
 RMS: 0.06s GAP: 189.9° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	02	15.48	5.95	33.7	-0.001
LADO	S	02	18.94	5.95	33.7	-0.011

68 131126 1558 05.9 - Presila nord-or.  
 Lat: 39.24 Lon: 16.91 Prof: 22.3 Km  
 ± 0.77 km ± 1.03 km ± 1.6 km  
 RMS: 0.27s GAP: 167.3° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	58	10.20	6.92	52.4	-0.002
LADO	S	58	13.10	6.92	52.4	-0.242
ROI	P	58	15.47	46.85	320.2	0.030
ROI	S	58	21.81	46.85	320.2	-0.601

69 131127 0228 12.1 - Marchesato  
 Lat: 39.22 Lon: 16.97 Prof: 25.6 Km  
 ± 1.14 km ± 1.80 km ± 2.4 km  
 RMS: 0.38s GAP: 224.0° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	28	17.01	6.75	2.6	0.057
LADO	S	28	20.44	6.75	2.6	-0.009
ROI	P	28	22.30	52.15	317.6	-0.321

70 131127 0302 27.7 - Piana batiale del  
 Tirreno  
 Lat: 38.85 Lon: 15.35 Prof: 236.1 Km  
 ± 4.13 km ± 7.85 km ± 3.5 km  
 RMS: 0.41s GAP: 239.7° NR: 19

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	03	-30	68.69	107.6	-0.233
VBL2	S	03	23.55	68.69	107.6	0.092
CET2	P	03	.63	90.82	35.3	0.554
CNDF	P	03	1.50	104.56	155.5	0.101
CNDF	S	03	26.99	104.56	155.5	0.977
ROI	P	03	3.10	131.57	53.1	0.150
ROI	S	03	27.72	131.57	53.1	-0.979
LADO	P	03	3.79	148.46	71.5	-0.051

71 131127 0753 54.1 - Alto Tirreno Cosentino  
 Lat: 39.85 Lon: 16.05 Prof: 8.1 Km  
 ± 0.58 km ± 0.98 km ± 1.6 km  
 RMS: 0.28s GAP: 110.8° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	53	56.27	6.21	303.7	0.037
MMN	S	53	57.46	6.21	303.7	-0.318
CET2	P	54	1.23	37.68	192.9	-0.167
CET2	S	54	6.30	37.68	192.9	-0.424

72 131127 0936 15.0 - Presila nord-or.  
 Lat: 39.25 Lon: 16.91 Prof: 24.6 Km  
 ± 1.23 km ± 1.96 km ± 2.6 km  
 RMS: 0.39s GAP: 159.7° NR: 9

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	36	19.38	6.24	59.0	-0.276
LADO	S	36	23.01	6.24	59.0	-0.017
ROI	P	36	24.88	46.16	319.2	0.334
ROI	S	36	30.71	46.16	319.2	-0.787

**73** 131127 1854 59.0 - Marchesato  
 Lat: 39.22 Lon: 16.97 Prof: 25.3 Km  
 ± 0.66 km ± 1.01 km ± 1.4 km  
 RMS: 0.22s GAP: 222.9° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	55	3.89	6.66	6.1	0.081
LADO	S	55	6.91	6.66	6.1	-0.355
ROI	P	55	9.28	51.79	317.8	-0.180
ROI	S	55	16.88	51.79	317.8	-0.182

**74** 131128 0500 50.7 - Marchesato  
 Lat: 39.21 Lon: 16.97 Prof: 22.3 Km  
 ± 0.77 km ± 1.27 km ± 2.5 km  
 RMS: 0.43s GAP: 203.3° NR: 28

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	00	55.24	7.88	5.0	0.168
LADO	S	00	58.61	7.88	5.0	0.360
ROI	P	01	.48	52.73	318.7	-0.724
ROI	S	01	8.34	52.73	318.7	-0.530
CET2	P	01	7.23	94.30	291.7	0.792
CET2	S	01	18.62	94.30	291.7	0.687
VBL2	P	01	7.46	95.82	231.1	-0.457
VBL2	S	01	20.22	95.82	231.1	-0.277

**75** 131128 0606 41.0 - Etna  
 Lat: 37.58 Lon: 14.97 Prof: .6 Km  
 ± 0.92 km ± 1.30 km ± 2.7 km  
 RMS: 0.59s GAP: 85.8° NR: 14

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	06	58.56	90.85	59.7	0.355

**76** 131129 0239 38.5 - Marchesato  
 Lat: 39.23 Lon: 16.96 Prof: 26.4 Km  
 ± 0.89 km ± 1.63 km ± 2.0 km  
 RMS: 0.31s GAP: 215.9° NR: 13

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	39	43.45	5.90	9.7	0.016
LADO	S	39	46.79	5.90	9.7	-0.201
ROI	P	39	48.68	51.00	317.4	-0.187
ROI	S	39	55.85	51.00	317.4	-0.551

**77** 131129 0334 58.8 - Marchesato  
 Lat: 39.22 Lon: 16.96 Prof: 26.7 Km  
 ± 0.85 km ± 1.41 km ± 2.0 km  
 RMS: 0.31s GAP: 217.2° NR: 14

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	35	3.77	6.75	9.0	0.009
LADO	S	35	7.39	6.75	9.0	0.015
ROI	P	35	8.83	51.60	318.1	-0.386
ROI	S	35	17.52	51.60	318.1	0.697

**78** 131129 0346 43.0 - Alto Tirreno Cosentino  
 Lat: 39.89 Lon: 16.12 Prof: 4.4 Km  
 ± 0.68 km ± 0.56 km ± 1.4 km  
 RMS: 0.32s GAP: 95.2° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	46	45.95	11.06	270.5	0.192
MMN	S	46	47.49	11.06	270.5	-0.262

**79** 131129 0356 43.1 - Marchesato  
 Lat: 39.22 Lon: 16.91 Prof: 25.9 Km  
 ± 1.04 km ± 1.81 km ± 2.1 km  
 RMS: 0.33s GAP: 152.1° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	56	48.01	8.69	36.0	-0.064
LADO	S	56	51.61	8.69	36.0	-0.062

**80** 131129 0445 34.3 - Marchesato  
 Lat: 39.22 Lon: 16.99 Prof: 28.3 Km  
 ± 0.97 km ± 1.48 km ± 2.7 km  
 RMS: 0.42s GAP: 214.7° NR: 26

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	45	39.65	6.71	345.8	0.084
LADO	S	45	43.23	6.71	345.8	-0.122
ROI	P	45	45.14	53.32	315.8	0.030
ROI	S	45	53.80	53.32	315.8	0.846
SCOI	P	45	47.00	64.38	276.1	0.414
SCOI	S	45	56.16	64.38	276.1	0.650
CET2	P	45	49.91	96.00	290.4	0.022
CET2	S	46	.95	96.00	290.4	-0.281
VBL2	P	45	51.90	98.48	231.4	0.169
VBL2	S	46	4.55	98.48	231.4	0.128
MMN	P	45	53.02	113.81	310.3	-0.778
CNDF	P	46	.36	168.13	216.1	0.057

**81** 131129 0446 52.3 - Presila nord-or.  
 Lat: 39.25 Lon: 16.94 Prof: 23.9 Km  
 ± 0.86 km ± 1.38 km ± 2.2 km  
 RMS: 0.34s GAP: 178.7° NR: 14

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	46	56.73	4.76	43.1	-0.047
LADO	S	47	.13	4.76	43.1	0.101
ROI	P	47	2.02	47.75	317.5	-0.034
ROI	S	47	8.48	47.75	317.5	-0.689

**82** 131129 0455 15.7 - Maratea - Rotonda  
 Lat: 39.91 Lon: 16.08 Prof: 12.3 Km  
 ± 1.20 km ± 0.77 km ± 2.0 km  
 RMS: 0.34s GAP: 119.4° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	55	19.15	8.18	250.2	0.434
MMN	S	55	20.71	8.18	250.2	-0.176

**83** 131129 0741 51.5 - Sila Greca  
 Lat: 39.43 Lon: 16.40 Prof: 17.7 Km  
 ± 0.60 km ± 0.59 km ± 2.0 km  
 RMS: 0.34s GAP: 67.5° NR: 20

STN	PHASE	MN	SEC	DIST	AZM	RES
ROI	P	41	56.87	20.47	42.6	0.195
ROI	S	42	.38	20.47	42.6	-0.053
LADO	P	42	1.42	52.10	108.7	0.029
CET2	P	42	.04	40.29	284.8	0.385
CET2	S	42	5.73	40.29	284.8	0.134

**84** 131129 0955 50.1 - Marchesato  
 Lat: 39.22 Lon: 16.92 Prof: 19.7 Km  
 ± 1.06 km ± 1.63 km ± 2.6 km  
 RMS: 0.45s GAP: 188.9° NR: 16

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	55	54.07	8.55	35.0	-0.070
LADO	S	55	57.10	8.55	35.0	0.057
ROI	P	55	59.11	49.37	321.7	-0.840
ROI	S	56	6.91	49.37	321.7	-0.194
CET2	P	56	6.22	90.07	292.2	0.624

**85** 131129 0959 58.9 - Marchesato  
 Lat: 39.21 Lon: 16.94 Prof: 29.3 Km  
 ± 1.23 km ± 1.78 km ± 2.1 km  
 RMS: 0.33s GAP: 205.8° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	00	4.28	7.87	21.5	-0.024
LADO	S	00	7.76	7.87	21.5	-0.473
ROI	P	00	9.34	50.90	320.1	-0.001
ROI	S	00	17.25	50.90	320.1	0.292

**86** 131129 1124 46.4 - Alto Tirreno Cosentino  
 Lat: 39.85 Lon: 16.11 Prof: 10.7 Km  
 ± 0.40 km ± 0.52 km ± 1.3 km  
 RMS: 0.22s GAP: 108.8° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	24	54.07	38.35	201.1	0.071
CET2	S	24	59.13	38.35	201.1	-0.403

87 131129 1257 52.7 - Marchesato  
 Lat: 39.20 Lon: 16.98 Prof: 20.7 Km  
 ± 0.59 km ± 0.83 km ± 1.1 km  
 RMS: 0.19s GAP: 234.7° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	57	56.72	8.67	358.3	-0.191
LADO	S	58	.15	8.67	358.3	0.214
ROI	P	58	3.24	53.96	318.5	-0.123
ROI	S	58	11.06	53.96	318.5	-0.050

88 131129 1502 57.8 - Bacino di Paola  
 Lat: 38.99 Lon: 15.76 Prof: 121.3 Km  
 ± 1.07 km ± 2.21 km ± 5.4 km  
 RMS: 0.65s GAP: 107.0° NR: 68

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	03	16.25	46.62	140.2	0.227
VBL2	S	03	28.80	46.62	140.2	-0.494
SCOI	P	03	16.59	53.67	52.8	0.243
SCOI	S	03	29.07	53.67	52.8	-0.786
CET2	P	03	17.04	61.44	15.8	0.851
CET2	S	03	29.50	61.44	15.8	-0.081
ROI	P	03	20.08	94.48	47.4	0.858
ROI	S	03	34.57	94.48	47.4	-0.266
LADO	P	03	20.88	109.91	73.0	0.615
LADO	S	03	37.40	109.91	73.0	0.758
CNDF	P	03	21.18	110.48	176.0	0.782
CNDF	S	03	37.08	110.48	176.0	0.207

89 131129 1634 02.6 - Marchesato  
 Lat: 39.21 Lon: 16.96 Prof: 25.9 Km  
 ± 1.19 km ± 1.74 km ± 2.4 km  
 RMS: 0.37s GAP: 220.4° NR: 12

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	34	7.50	7.99	9.6	-0.001
LADO	S	34	11.14	7.99	9.6	0.069
ROI	P	34	12.62	52.32	319.2	-0.478
ROI	S	34	21.41	52.32	319.2	0.642

90 131129 1815 26.2 - Coste Sicilia Or.  
 Lat: 37.81 Lon: 15.47 Prof: 23.1 Km  
 ± 0.64 km ± 0.81 km ± 2.6 km  
 RMS: 0.46s GAP: 126.7° NR: 34

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	15	34.57	40.13	58.4	0.007
CNDF	S	15	41.44	40.13	58.4	0.788

91 131130 0020 48.0 - Bacino di Gioia  
 Lat: 38.33 Lon: 15.42 Prof: 118.8 Km  
 ± 2.00 km ± 2.25 km ± 4.3 km  
 RMS: 0.54s GAP: 102.3° NR: 35

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	21	6.54	52.77	134.9	0.405
CNDF	S	21	20.19	52.77	134.9	0.800
VBL2	P	21	7.27	70.13	58.1	-0.183
VBL2	S	21	20.97	70.13	58.1	-0.702
CET2	P	21	13.23	139.99	19.4	0.595
CET2	S	21	31.05	139.99	19.4	0.403
LADO	P	21	16.35	170.92	52.1	-0.091
LADO	S	21	37.99	170.92	52.1	0.749
ROI	P	21	16.80	169.07	36.0	0.216
ROI	S	21	38.22	169.07	36.0	0.733

92 131130 2049 31.4 - Piana bat. ionica  
 Lat: 38.66 Lon: 17.88 Prof: 56.9 Km  
 ± 1.68 km ± 1.93 km ± 4.1 km  
 RMS: 0.51s GAP: 230.2° NR: 40

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	49	48.46	103.72	310.4	-0.363
LADO	S	50	2.35	103.72	310.4	0.784
ROI	P	49	54.20	151.33	310.8	-0.814
ROI	S	50	11.75	151.33	310.8	-0.545
VBL2	P	49	55.28	154.27	269.7	-0.209
VBL2	S	50	12.85	154.27	269.7	-0.263
SCOI	P	49	55.77	156.67	295.5	-0.006
SCOI	S	50	14.00	156.67	295.5	0.384
CNDF	P	50	-.09	191.74	246.9	0.138
CNDF	S	50	20.02	191.74	246.9	-0.507