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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**

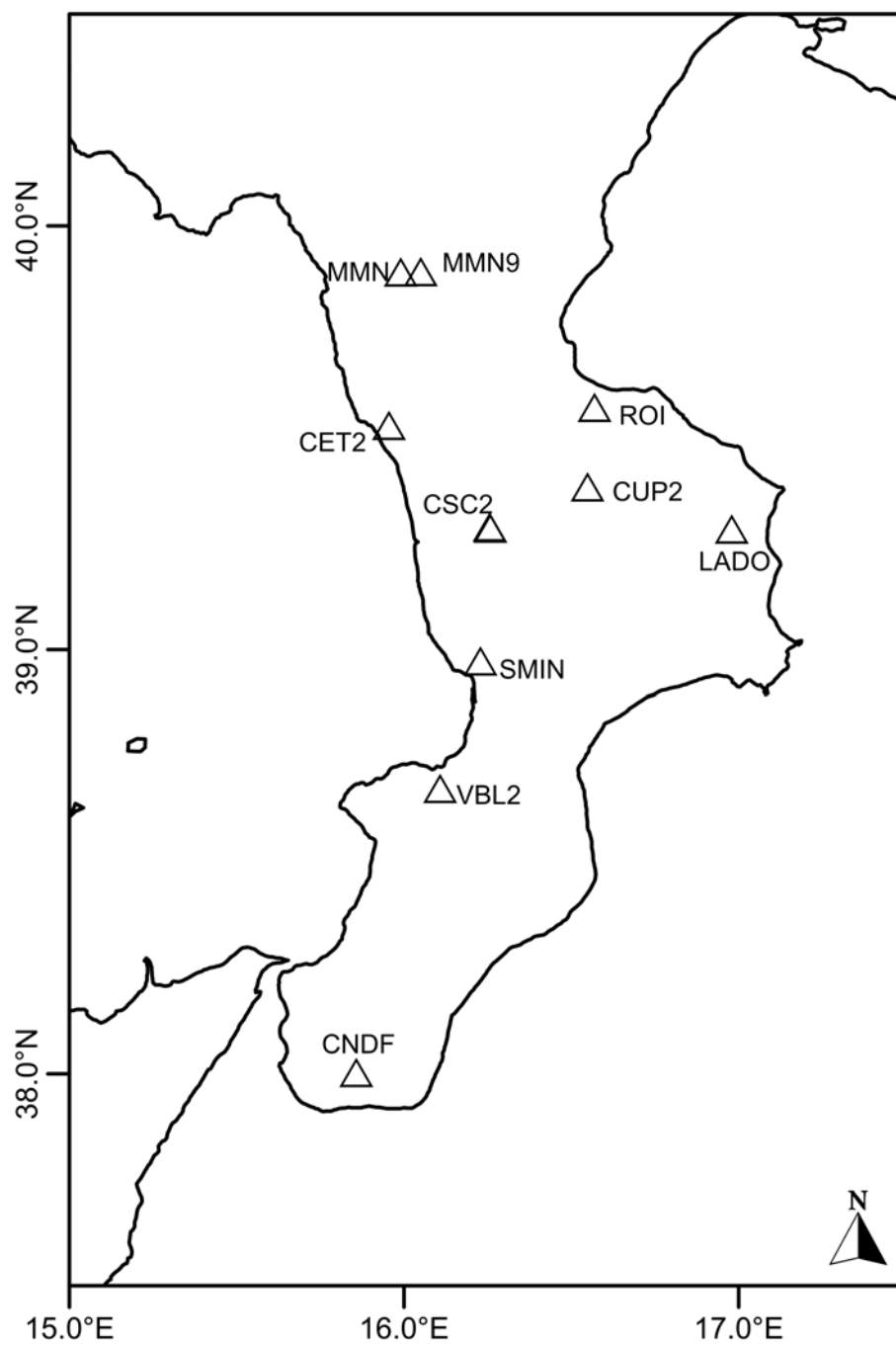
**E**

**DELLE AREE CIRCOSTANTI**

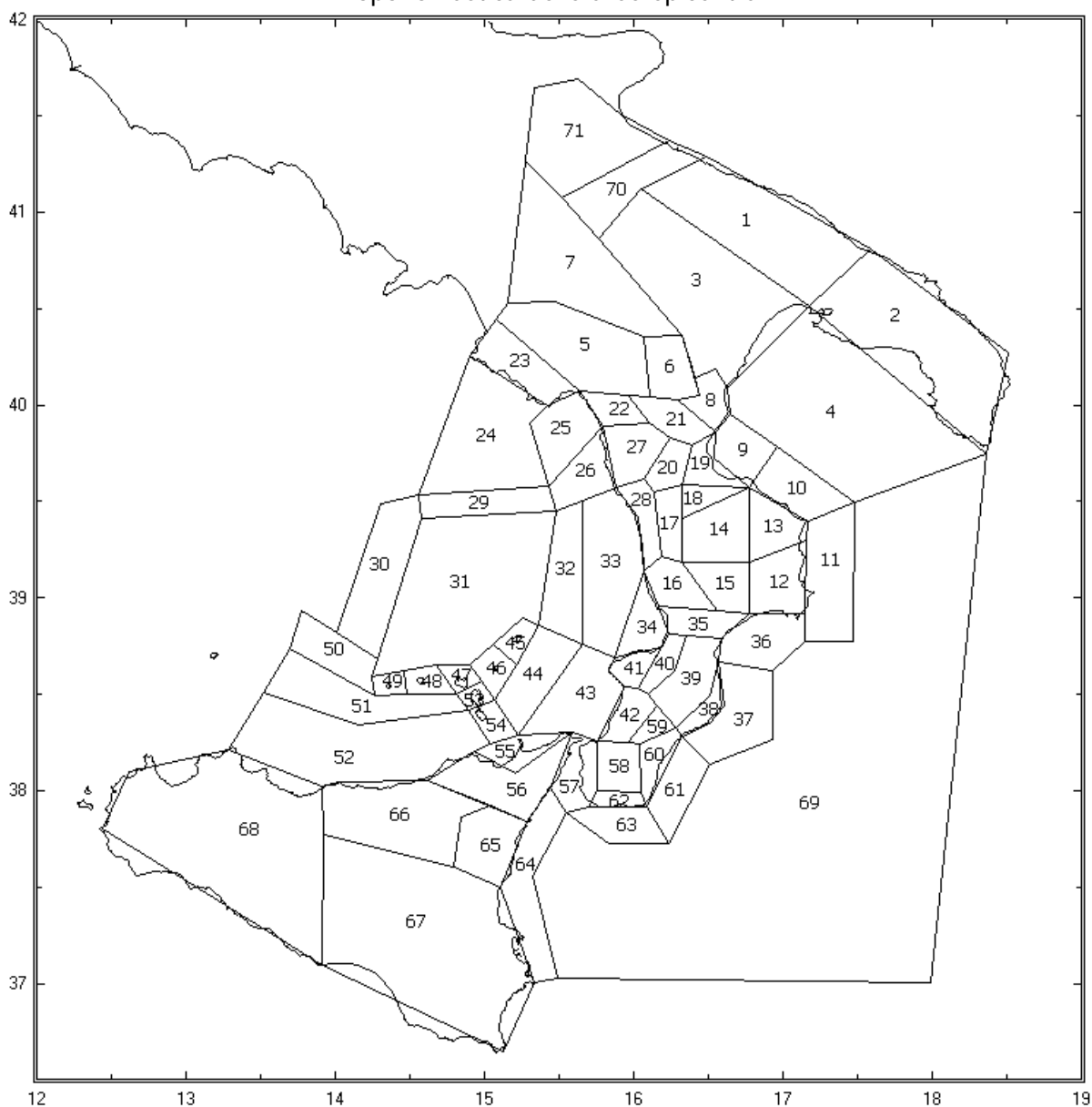
prodotto nell'ambito delle attività dell'O.R. 2.1

Periodo 16-31 Ottobre 2013

Distribuzione delle stazioni della Rete Sismica UniCal – Pon MASSIMO



## Toponomastica delle aree epicentrali



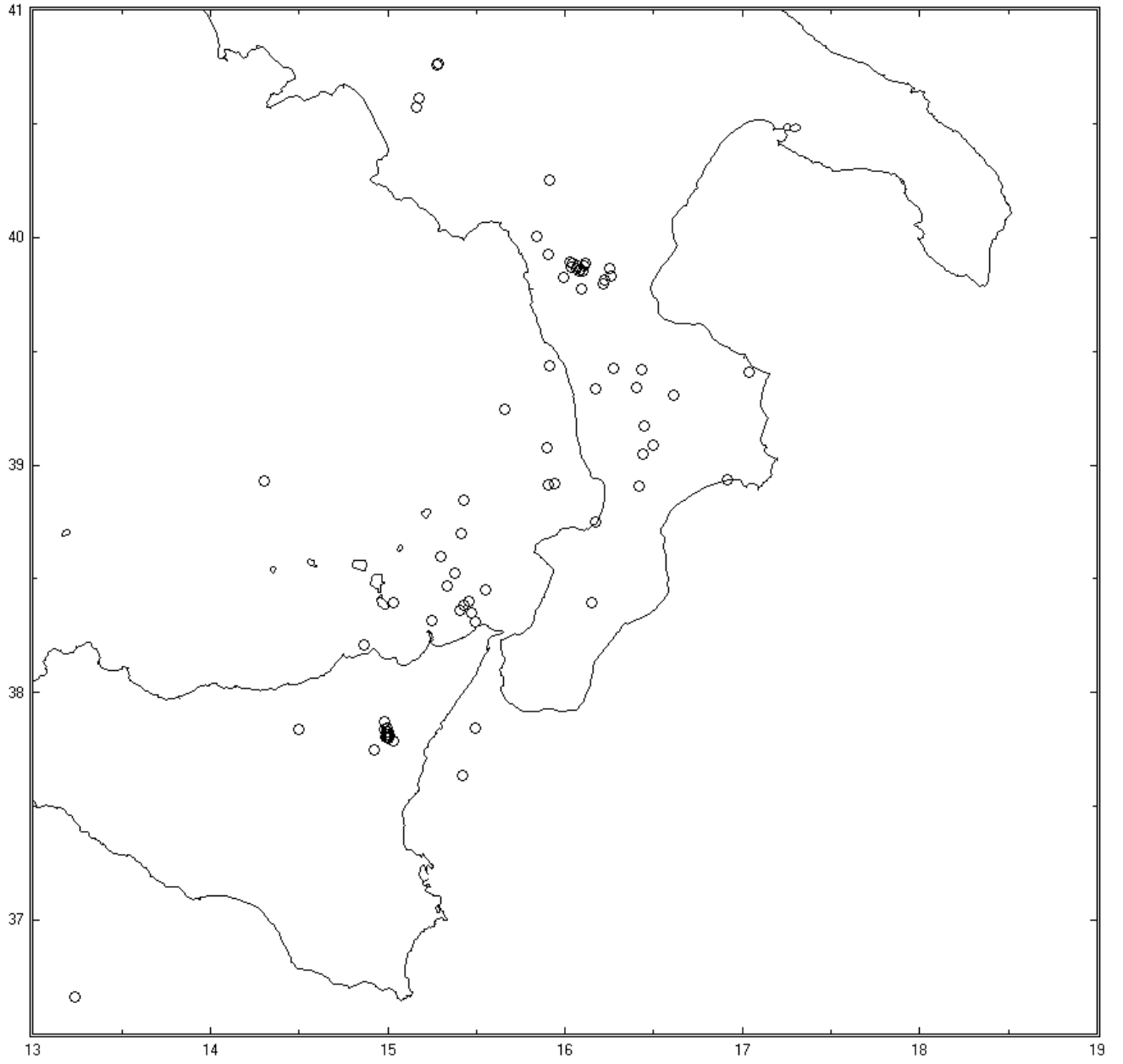
<b>1</b> Murge	<b>19</b> Piana di Sibari	<b>37</b> Offshore Punta Stilo	<b>55</b> Milazzo
<b>2</b> Penisola Salentina	<b>20</b> Valle dell'Esaro	<b>38</b> Punta Stilo	<b>56</b> Monti Peloritani
<b>3</b> Piana del Bradano e del Basento	<b>21</b> Catena del Pollino	<b>39</b> Serre centro-settentrionali	<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
131016	0647	35.0	39.4282	16.2701	10.6	1.4	0.67	0.69	1.64	11	123	0.28	0.09
131017	0453	19.3	39.1696	16.4490	12.8	2.0	0.64	0.74	2.55	22	77	0.44	0.10
131017	1716	60.0	39.0900	16.4964	25.6		2.35	1.94	4.75	11	131	0.73	0.25
131017	2135	26.0	39.4188	16.4294	12.2	1.6	0.69	0.47	1.42	14	150	0.25	0.09
131018	1102	12.1	39.8624	16.2538	6.9	1.6	0.70	0.67	1.32	12	136	0.29	0.09
131018	1249	9.7	38.3990	15.4612	123.3	2.1	2.11	2.74	4.63	30	107	0.58	0.14
131018	1944	21.3	38.3943	16.1529	15.0	2.0	0.71	0.92	2.66	26	117	0.46	0.12
131018	2133	14.0	39.8618	16.0881	5.5	1.5	0.64	0.79	1.39	10	134	0.31	0.12
131019	1104	27.1	40.6147	15.1791	0.3	2.6	1.14	2.06	2.89	24	149	0.64	0.24
131019	1108	2.7	40.5757	15.1645	0.7	2.7	0.80	1.47	2.47	32	101	0.55	0.17
131019	1343	28.3	39.8937	16.0271	5.3	1.0	0.79	1.11	2.06	12	116	0.36	0.12
131019	1915	18.9	39.0754	15.8958	56.0	1.8	1.01	2.09	3.38	18	175	0.43	0.14
131020	0318	53.1	39.3414	16.4031	15.1	1.2	0.50	0.44	1.53	20	56	0.26	0.06
131020	0504	14.0	38.9339	16.9141	22.7		3.42	2.79	3.52	8	266	0.61	0.68
131020	1646	20.6	40.2525	15.9158	11.2	2.0	0.84	0.98	3.35	24	64	0.58	0.12
131020	1903	9.7	38.3828	15.4299	118.9	2.2	2.28	3.23	4.68	28	166	0.59	0.18
131021	0230	6.9	38.9060	16.4152	13.4	1.5	0.40	0.53	1.84	30	116	0.32	0.07
131021	2337	41.6	38.9111	15.9085	53.7	1.7	0.90	1.22	2.90	24	129	0.36	0.09
131022	0010	5.5	39.3059	16.6102	13.8	1.0	0.39	0.41	1.32	16	60	0.23	0.06
131022	0105	5.5	39.9260	15.9027	5.4	1.2	0.44	0.52	1.55	20	133	0.27	0.07
131022	0113	33.6	38.5225	15.3792	203.8	2.2	1.87	2.33	3.07	40	133	0.37	0.09
131022	0158	49.6	39.8856	16.0389	2.7	0.7	0.88	1.44	1.21	10	211	0.27	0.19
131022	1851	54.5	38.3530	15.4698	108.9	2.0	1.87	2.20	3.20	27	104	0.40	0.09
131023	0301	10.1	40.7661	15.2854	0.0	2.0	0.60	0.69	1.62	20	102	0.36	0.09
131023	0454	34.1	39.4383	15.9132	59.2	1.6	0.96	1.61	4.13	33	136	0.53	0.11
131023	1001	48.5	38.3190	15.2453	152.7	2.3	2.86	3.69	4.52	28	129	0.54	0.15
131023	1547	13.0	40.7601	15.2791	0.0	1.9	0.77	1.01	2.41	26	107	0.54	0.13
131024	0238	1.0	39.8779	16.1065	5.6	1.6	0.64	0.57	1.56	16	94	0.35	0.09
131024	0241	26.4	38.2088	14.8667	122.6	2.1	1.59	1.15	3.69	43	60	0.46	0.08
131024	1048	25.8	39.8278	15.9895	0.0	1.1	0.39	0.85	0.88	8	150	0.20	0.07
131024	1910	45.1	39.0467	16.4411	14.7	0.9	0.73	0.61	1.42	9	152	0.24	0.10
131024	2312	14.3	38.4709	15.3375	131.1	2.0	2.40	1.60	2.35	18	180	0.29	0.12
131025	1014	10.0	37.8114	15.0094	22.6	1.9	0.73	0.89	3.09	31	89	0.53	0.10
131025	1016	22.2	37.8374	14.9842	26.7	1.7	0.78	0.86	2.67	22	59	0.41	0.09
131025	1038	22.4	37.8284	15.0059	25.0	2.1	0.72	0.73	2.22	25	61	0.38	0.09
131025	1127	8.3	39.8856	16.1176	8.1	1.0	0.63	0.56	1.74	13	96	0.30	0.09
131025	1204	31.5	37.8036	15.0036	19.9	2.1	0.46	0.59	2.49	42	58	0.43	0.07
131025	1205	4.3	37.8052	14.9853	21.2	2.7	0.41	0.52	2.43	53	55	0.42	0.07
131025	1210	30.6	37.8058	14.9941	21.4	2.2	0.55	0.79	3.19	44	51	0.55	0.09
131025	1211	30.3	37.8004	15.0020	20.1	2.1	0.38	0.52	2.12	38	57	0.37	0.06
131025	1252	33.7	37.8729	14.9813	23.1	1.6	1.11	0.56	1.84	20	118	0.32	0.12
131025	1253	12.9	37.8072	15.0025	20.2	1.6	0.34	0.44	1.85	42	61	0.32	0.05
131025	1259	5.7	37.8130	14.9963	23.2	2.0	0.37	0.40	1.47	30	92	0.25	0.05
131025	1432	22.5	37.7849	15.0302	20.5	2.1	0.73	0.97	3.06	27	62	0.53	0.10
131025	1541	0.8	37.8461	14.9928	32.7	2.2	0.84	0.86	3.16	30	61	0.49	0.10
131025	1956	11.9	39.8557	16.0750	5.0	1.0	0.98	2.06	1.61	10	220	0.28	0.25
131026	0120	24.9	37.8179	15.0067	24.7	2.8	0.56	0.63	3.65	84	60	0.63	0.07
131026	0123	20.3	37.8118	15.0090	22.4	2.2	0.52	0.63	2.63	48	60	0.45	0.07
131026	0311	55.7	37.8265	14.9984	26.3	2.3	0.45	0.62	2.68	52	60	0.41	0.06
131026	0759	27.3	39.8299	16.2570	12.9	1.5	0.91	1.03	3.13	22	136	0.54	0.16
131026	2046	41.5	37.6362	15.4217	89.4	2.2	1.92	4.13	1.85	8	329	0.23	0.28
131027	1002	50.3	39.8627	16.0633	10.7	1.6	0.75	0.83	1.90	10	127	0.33	0.11
131027	2314	4.5	39.8145	16.2245	4.7	1.1	1.37	1.10	2.36	9	113	0.52	0.19
131028	0411	2.4	38.7521	16.1755	15.5	1.1	0.35	0.59	0.88	9	141	0.15	0.06
131028	0413	10.5	37.8363	14.4989	19.3	2.4	0.69	0.66	2.88	51	62	0.50	0.08
131028	0623	55.2	38.6003	15.2959	200.7	2.9	3.57	3.14	3.23	23	171	0.39	0.16
131028	1137	28.2	39.8715	16.0339	6.2	1.3	0.93	1.49	2.69	13	110	0.46	0.15

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
131028	1344	59.6	39.8739	16.0694	5.8	0.8	0.66	0.76	1.35	11	137	0.30	0.11
131028	1709	26.6	37.7490	14.9215	24.1	2.6	0.51	0.67	2.89	55	39	0.50	0.07
131028	2127	23.4	38.3092	15.4967	122.4	2.2	3.34	4.94	5.70	20	93	0.71	0.16
131028	2213	5.8	39.4085	17.0345	19.5	1.9	1.48	1.96	2.86	18	264	0.49	0.34
131029	0436	57.2	39.3365	16.1747	10.8	2.1	0.42	0.65	2.48	43	121	0.43	0.07
131029	1151	49.8	38.9279	14.3045	49.1	2.0	1.62	2.16	3.72	23	226	0.46	0.27
131029	1450	8.4	39.8514	16.0988	5.6	1.2	0.52	0.62	1.44	11	102	0.32	0.10
131029	1653	58.9	37.8037	14.9986	21.3	2.0	0.42	0.58	2.38	43	57	0.41	0.07
131029	1700	5.0	39.7998	16.2167	3.9	1.4	1.13	0.90	2.27	10	114	0.50	0.17
131029	2016	22.4	38.4544	15.5544	131.2	2.1	1.61	1.90	3.63	43	115	0.44	0.08
131029	2212	59.3	38.3955	15.0327	13.3	2.1	0.56	0.45	2.05	42	85	0.35	0.07
131030	0235	20.8	38.6996	15.4133	229.1	2.6	3.25	4.04	4.57	46	127	0.55	0.14
131030	0304	51.5	36.6616	13.2375	7.7	2.9	2.46	2.40	2.42	44	271	0.54	0.40
131030	0546	15.5	37.8416	15.4911	24.2	1.9	0.53	0.69	1.93	29	136	0.33	0.08
131030	0849	23.6	38.8472	15.4261	217.6	2.0	3.52	4.93	3.62	15	228	0.44	0.26
131030	1050	48.8	40.0072	15.8369	4.7	1.2	0.63	0.85	2.79	28	69	0.48	0.10
131030	1322	27.6	38.9200	15.9400	175.0	2.3	2.14	4.42	5.27	34	139	0.63	0.12
131030	1802	49.4	39.2441	15.6622	225.3	2.6	2.03	3.85	4.09	34	169	0.48	0.14
131030	2353	25.0	38.3621	15.4045	111.4	1.7	1.98	2.05	3.43	24	107	0.43	0.10
131031	1932	53.1	39.7728	16.0923	5.4	1.6	0.46	0.71	1.48	19	107	0.33	0.08

Epicentri localizzati nel periodo di riferimento



# **BOLLETTINO**

<b>1</b> 131016 0647 35.0 - Valle del Crati							
Lat:	39.42	Lon:	16.27	Prof:	10.6	Km	
±	0.67 km	±	0.69 km	±	1.6	km	
RMS:	0.28s	GAP:	123.0°	NR:	11		
STN	PHASE	MN	SEC	DIST	AZM	RES	
CET2	P	47	40.97	29.35	292.4	0.016	
CET2	S	47	44.91	29.35	292.4	-0.386	
<b>2</b> 131017 0453 19.3 - Sila Piccola							
Lat:	39.16	Lon:	16.44	Prof:	12.8	Km	
±	0.64 km	±	0.74 km	±	2.5	km	
RMS:	0.44s	GAP:	77.1°	NR:	22		
STN	PHASE	MN	SEC	DIST	AZM	RES	
SCOI	P	53	23.88	21.27	308.5	0.004	
SCOI	S	53	27.56	21.27	308.5	0.338	
LADO	P	53	28.32	47.52	74.2	0.144	
LADO	S	53	34.44	47.52	74.2	-0.230	
CET2	P	53	29.80	58.36	313.1	-0.438	
CET2	S	53	37.60	58.36	313.1	-0.640	
<b>3</b> 131017 1716 59.9 - Sila Piccola							
Lat:	39.09	Lon:	16.49	Prof:	25.6	Km	
±	2.35 km	±	1.94 km	±	4.7	km	
RMS:	0.73s	GAP:	131.1°	NR:	11		
STN	PHASE	MN	SEC	DIST	AZM	RES	
SMIN	P	17	6.96	26.60	240.7	0.351	
SMIN	S	17	11.00	26.60	240.7	-0.483	
<b>4</b> 131017 2135 26.0 - Sila Grande							
Lat:	39.41	Lon:	16.42	Prof:	12.2	Km	
±	0.69 km	±	0.47 km	±	1.4	km	
RMS:	0.25s	GAP:	150.6°	NR:	14		
STN	PHASE	MN	SEC	DIST	AZM	RES	
CSC2	P	35	30.44	20.85	225.1	-0.022	
CSC2	S	35	33.71	20.85	225.1	-0.016	
CET2	P	35	34.59	42.64	286.7	0.361	
CET2	S	35	39.59	42.64	286.7	-0.676	
SMIN	P	35	36.00	52.46	199.3	0.304	
SMIN	S	35	42.75	52.46	199.3	-0.047	
<b>5</b> 131018 1102 12.1 - Catena del Pollino							
Lat:	39.86	Lon:	16.25	Prof:	6.9	Km	
±	0.70 km	±	0.67 km	±	1.3	km	
RMS:	0.29s	GAP:	136.6°	NR:	12		
STN	PHASE	MN	SEC	DIST	AZM	RES	
CET2	P	02	20.83	45.06	214.8	-0.092	
CET2	S	02	26.95	45.06	214.8	-0.403	
<b>6</b> 131018 1249 09.7 - Bacino di Gioia							
Lat:	38.39	Lon:	15.46	Prof:	123.3	Km	
±	2.11 km	±	2.74 km	±	4.6	km	
RMS:	0.58s	GAP:	107.8°	NR:	30		
STN	PHASE	MN	SEC	DIST	AZM	RES	
CET2	P	49	34.55	132.50	19.2	0.614	
<b>7</b> 131018 1944 21.3 - Serre meridionali							
Lat:	38.39	Lon:	16.15	Prof:	15.0	Km	
±	0.71 km	±	0.92 km	±	2.7	km	
RMS:	0.46s	GAP:	117.5°	NR:	26		
STN	PHASE	MN	SEC	DIST	AZM	RES	
VBL2	P	44	27.86	31.26	352.9	0.205	
VBL2	S	44	33.06	31.26	352.9	0.766	
SMIN	P	44	33.13	64.56	5.9	-0.033	
SMIN	S	44	42.49	64.56	5.9	0.648	
CET2	P	44	42.48	127.10	352.3	0.341	
CET2	S	44	58.34	127.10	352.3	0.957	
<b>8</b> 131018 2133 14.0 - Alto Tirreno Cosentino							
Lat:	39.86	Lon:	16.08	Prof:	5.5	Km	
±	0.64 km	±	0.79 km	±	1.4	km	
RMS:	0.31s	GAP:	134.2°	NR:	10		
STN	PHASE	MN	SEC	DIST	AZM	RES	
LADO	P	04	21.85	39.27	7.8	-0.281	
LADO	S	04	28.35	39.27	7.8	0.236	
SMIN	P	04	25.47	59.61	274.0	0.114	
SMIN	S	04	33.21	59.61	274.0	-0.489	
<b>9</b> 131019 1104 27.0 - Appennino Lucano							
Lat:	40.61	Lon:	15.17	Prof:	.3	Km	
±	1.14 km	±	2.06 km	±	2.9	km	
RMS:	0.64s	GAP:	149.8°	NR:	24		
STN	PHASE	MN	SEC	DIST	AZM	RES	
CET2	P	04	52.18	137.52	151.7	0.800	
CET2	S	04	58.92	137.52	151.7	0.248	
ROI	P	04	57.22	165.71	134.6	0.270	
ROI	S	05	18.74	165.71	134.6	-0.072	
<b>10</b> 131019 1108 02.6 - Appennino Lucano							
Lat:	40.57	Lon:	15.16	Prof:	.7	Km	
±	0.80 km	±	1.47 km	±	2.5	km	
RMS:	0.55s	GAP:	101.4°	NR:	32		
STN	PHASE	MN	SEC	DIST	AZM	RES	
MMN	P	08	20.53	103.56	137.7	-0.878	
CET2	P	08	26.98	134.37	150.3	0.473	
ROI	P	08	32.63	163.65	133.2	0.487	
ROI	S	08	53.17	163.65	133.2	-0.535	
SMIN	S	09	2.77	199.93	153.2	0.104	
<b>11</b> 131019 1343 28.3 - Alto Tirreno Cosentino							
Lat:	39.89	Lon:	16.02	Prof:	5.3	Km	
±	0.79 km	±	1.11 km	±	2.1	km	
RMS:	0.36s	GAP:	116.7°	NR:	12		
STN	PHASE	MN	SEC	DIST	AZM	RES	
MMN	P	43	29.84	3.14	264.3	0.115	
MMN	S	43	30.60	3.14	264.3	-0.155	
CET2	P	43	36.07	40.99	188.9	-0.062	
CET2	S	43	41.95	40.99	188.9	0.094	
<b>12</b> 131019 1915 18.8 - Bacino di Paola							
Lat:	39.07	Lon:	15.89	Prof:	56.0	Km	
±	1.01 km	±	2.09 km	±	3.4	km	
RMS:	0.43s	GAP:	175.2°	NR:	18		
STN	PHASE	MN	SEC	DIST	AZM	RES	
SMIN	P	15	28.50	30.95	111.7	-0.227	
SMIN	S	15	35.28	30.95	111.7	-0.641	
VBL2	P	15	30.06	48.24	157.7	-0.126	
VBL2	S	15	37.84	48.24	157.7	-0.610	
CET2	P	15	30.75	50.58	5.9	0.873	
CET2	S	15	38.70	50.58	5.9	0.789	
<b>13</b> 131020 0318 53.1 - Sila Grande							
Lat:	39.34	Lon:	16.40	Prof:	15.1	Km	
±	0.50 km	±	0.44 km	±	1.5	km	
RMS:	0.26s	GAP:	56.5°	NR:	20		
STN	PHASE	MN	SEC	DIST	AZM	RES	
SCOI	P	18	57.00	13.91	245.4	0.070	
SCOI	S	19	-.13	13.91	245.4	0.158	
CSC2	P	18	57.03	13.94	243.9	0.089	
CSC2	S	19	-.34	13.94	243.9	-0.071	
ROI	P	19	-.36	29.30	29.0	0.264	
ROI	S	19	4.10	29.30	29.0	0.161	
CET2	P	19	1.45	43.86	298.4	-0.254	
CET2	S	19	7.60	43.86	298.4	-0.371	
SMIN	P	19	2.00	43.60	200.2	0.521	
SMIN	S	19	7.67	43.60	200.2	0.088	
<b>14</b> 131020 0504 13.9 - Marchesato							
Lat:	38.93	Lon:	16.91	Prof:	22.7	Km	
±	3.42 km	±	2.79 km	±	3.5	km	
RMS:	0.61s	GAP:	266.1°	NR:	8		



CSC2	P	04	27.69	68.93	304.4	0.844
CSC2	S	04	35.81	68.93	304.4	-0.470
ROI	P	04	27.77	76.82	336.9	-0.498
ROI	S	04	39.11	76.82	336.9	0.366
<b>15</b> 131020 1646 20.6 - Vallo di Diano						
Lat: 40.25 Lon: 15.91 Prof: 11.2 Km						
± 0.84 km ± 0.98 km ± 3.3 km						
RMS: 0.58s GAP: 64.0° NR: 24						
STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	46	35.45	80.42	177.8	0.139
CET2	S	46	46.29	80.42	177.8	0.228
<b>16</b> 131020 1903 09.7 - Bacino di Gioia						
Lat: 38.38 Lon: 15.42 Prof: 118.9 Km						
± 2.28 km ± 3.23 km ± 4.7 km						
RMS: 0.59s GAP: 166.3° NR: 28						
STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	03	28.63	67.36	61.6	-0.332
VBL2	S	03	42.96	67.36	61.6	-0.093
CET2	P	03	34.46	135.09	20.0	0.608
CET2	S	03	52.37	135.09	20.0	0.848
ROI	P	03	38.05	164.82	36.9	0.223
ROI	S	03	59.16	164.82	36.9	0.766
<b>17</b> 131021 0230 06.9 - Stretta di Catanzaro						
Lat: 38.90 Lon: 16.41 Prof: 13.4 Km						
± 0.40 km ± 0.53 km ± 1.8 km						
RMS: 0.32s GAP: 116.8° NR: 30						
STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	30	11.32	17.83	294.6	0.193
SMIN	S	30	14.20	17.83	294.6	0.005
VBL2	P	30	14.32	37.11	226.0	0.193
VBL2	S	30	19.47	37.11	226.0	0.079
CSC2	P	30	15.45	44.36	342.1	0.150
CSC2	S	30	21.53	44.36	342.1	0.107
SCOI	P	30	15.47	44.71	342.0	0.116
SCOI	S	30	21.81	44.71	342.0	0.294
LADO	P	30	19.35	64.35	49.0	0.659
LADO	S	30	27.30	64.35	49.0	0.005
CET2	P	30	21.04	79.77	330.1	-0.460
CET2	S	30	31.71	79.77	330.1	-0.451
ROI	P	30	21.10	75.10	10.0	0.232
ROI	S	30	30.54	75.10	10.0	-0.524
<b>18</b> 131021 2337 41.5 - Bacino di Paola						
Lat: 38.91 Lon: 15.90 Prof: 53.7 Km						
± 0.90 km ± 1.22 km ± 2.9 km						
RMS: 0.36s GAP: 129.3° NR: 24						
STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	37	51.07	31.53	146.8	-0.048
VBL2	S	37	57.93	31.53	146.8	-0.187
CET2	P	37	53.98	68.69	3.5	-0.116
CET2	S	38	3.77	68.69	3.5	0.496
<b>19</b> 131022 0010 05.5 - Sila Grande						
Lat: 39.30 Lon: 16.61 Prof: 13.8 Km						
± 0.39 km ± 0.41 km ± 1.3 km						
RMS: 0.23s GAP: 60.5° NR: 16						
STN	PHASE	MN	SEC	DIST	AZM	RES
ROI	P	10	11.50	29.72	353.0	-0.252
ROI	S	10	16.18	29.72	353.0	-0.123
LADO	P	10	11.85	31.93	94.0	-0.028
LADO	S	10	17.10	31.93	94.0	0.578
SMIN	P	10	14.98	49.57	221.7	0.174
SMIN	S	10	21.89	49.57	221.7	0.298
<b>20</b> 131022 0105 05.4 - Maratea - Rotonda						
Lat: 39.92 Lon: 15.90 Prof: 5.4 Km						
± 0.44 km ± 0.52 km ± 1.6 km						
RMS: 0.27s GAP: 133.5° NR: 20						
STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	05	7.71	8.47	117.6	0.110
MMN	S	05	9.21	8.47	117.6	0.064
CET2	P	05	14.06	44.32	174.4	0.178
CET2	S	05	19.93	44.32	174.4	-0.097
<b>21</b> 131022 0113 33.5 - Canyon di Stromboli						
Lat: 38.52 Lon: 15.37 Prof: 203.8 Km						
± 1.87 km ± 2.33 km ± 3.1 km						
RMS: 0.37s GAP: 133.8° NR: 40						
STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	14	1.67	65.67	75.5	-0.268
VBL2	S	14	22.47	65.67	75.5	-0.239
SMIN	P	14	2.46	89.15	56.2	-0.539
CET2	P	14	4.30	122.32	24.4	0.092
CET2	S	14	27.05	122.32	24.4	0.409
LADO	P	14	7.78	162.51	58.7	0.158
LADO	S	14	32.18	162.51	58.7	-0.372
MMN	P	14	8.57	160.83	19.5	0.630
<b>22</b> 131022 0158 49.6 - Alto Tirreno Cosentino						
Lat: 39.88 Lon: 16.03 Prof: 2.7 Km						
± 0.88 km ± 1.44 km ± 1.2 km						
RMS: 0.27s GAP: 211.1° NR: 10						
STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	58	50.88	4.17	278.1	0.082
MMN	S	58	51.74	4.17	278.1	0.048
CET2	P	58	57.02	40.27	190.5	-0.299
CET2	S	59	2.81	40.27	190.5	-0.177
<b>23</b> 131022 1851 54.5 - Bacino di Gioia						
Lat: 38.35 Lon: 15.46 Prof: 108.9 Km						
± 1.87 km ± 2.20 km ± 3.2 km						
RMS: 0.40s GAP: 104.1° NR: 27						
STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	52	12.51	66.07	57.7	-0.133
VBL2	S	52	25.48	66.07	57.7	-0.421
SMIN	P	52	14.25	95.35	44.0	-0.786
SMIN	S	52	30.32	95.35	44.0	0.273
CET2	P	52	18.87	137.13	18.2	0.747
CET2	S	52	35.57	137.13	18.2	0.183
<b>24</b> 131023 0301 10.0 - Appennino Lucano						
Lat: 40.76 Lon: 15.28 Prof: 0.0 Km						
± 0.60 km ± 0.69 km ± 1.6 km						
RMS: 0.36s GAP: 102.2° NR: 20						
STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	01	35.60	148.75	157.9	-0.263
CET2	S	01	55.35	148.75	157.9	0.593
ROI	P	01	41.24	171.88	140.7	0.423
<b>25</b> 131023 0454 34.1 - Bacino di Paola						
Lat: 39.43 Lon: 15.91 Prof: 59.2 Km						
± 0.96 km ± 1.61 km ± 4.1 km						
RMS: 0.53s GAP: 136.9° NR: 33						
STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	54	43.70	10.66	19.7	0.764
CET2	S	54	50.24	10.66	19.7	0.846
SMIN	P	54	46.21	58.38	152.3	-0.499
SMIN	S	54	54.95	58.38	152.3	-0.980
ROI	P	54	46.94	58.33	75.3	0.209
ROI	S	54	56.23	58.33	75.3	0.264
<b>26</b> 131023 1001 48.4 - Canyon di Stromboli						
Lat: 38.31 Lon: 15.24 Prof: 152.7 Km						
± 2.86 km ± 3.69 km ± 4.5 km						
RMS: 0.54s GAP: 129.7° NR: 28						
STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	02	11.71	64.06	123.6	0.718
CNDF	S	02	27.96	64.06	123.6	0.497
CET2	P	02	17.09	147.71	25.0	0.615
CET2	S	02	37.58	147.71	25.0	0.620
<b>27</b> 131023 1547 12.9 - Appennino Lucano						
Lat: 40.76 Lon: 15.27 Prof: 0.0 Km						
± 0.77 km ± 1.01 km ± 2.4 km						
RMS: 0.54s GAP: 107.3° NR: 26						

	STN	PHASE	MN	SEC	DIST	AZM	RES		STN	PHASE	MN	SEC	DIST	AZM	RES	
	CET2	P	47	38.53	148.34	157.6	-0.193		CNDF	P	38	36.73	77.33	76.0	0.158	
	CET2	S	47	56.87	148.34	157.6	-0.708		CNDF	S	38	47.35	77.33	76.0	0.418	
<b>28</b>	131024	0238	00.9	- Alto Tirreno Cosentino					CET2	P	38	52.58	206.01	24.1	0.297	
	Lat:	39.87	Lon:	16.10	Prof:	5.6 Km			CET2	S	39	14.22	206.01	24.1	0.078	
	±	0.64 km	±	0.57 km	±	1.6 km										
	RMS:	0.35s	GAP:	94.3°	NR:	16		<b>36</b>	131025	1127	08.3	- Alto Tirreno Cosentino				
									Lat:	39.88	Lon:	16.11	Prof:	8.1 Km		
									±	0.63 km	±	0.56 km	±	1.7 km		
									RMS:	0.30s	GAP:	96.4°	NR:	13		
	STN	PHASE	MN	SEC	DIST	AZM	RES		STN	PHASE	MN	SEC	DIST	AZM	RES	
	MMN	P	38	3.66	10.01	278.3	0.051		MMN	P	27	11.02	10.87	273.2	-0.127	
	MMN	S	38	5.40	10.01	278.3	-0.149		MMN	S	27	12.70	10.87	273.2	-0.530	
	CET2	P	38	8.93	40.89	198.7	-0.269		CET2	P	27	16.38	42.01	199.6	-0.051	
	CET2	S	38	14.38	40.89	198.7	-0.852		CET2	S	27	21.92	42.01	199.6	-0.462	
	ROI	P	38	11.42	52.24	130.5	0.160									
	ROI	S	38	19.15	52.24	130.5	0.349		<b>37</b>	131025	1204	31.4	- Etna			
	VBL2	P	38	25.55	133.68	180.0	0.687		Lat:	37.80	Lon:	15.00	Prof:	19.9 Km		
	VBL2	S	38	42.19	133.68	180.0	-0.171		±	0.46 km	±	0.59 km	±	2.5 km		
<b>29</b>	131024	0241	26.4	- Bacino di Cefalu'					RMS:	0.43s	GAP:	58.5°	NR:	42		
	Lat:	38.20	Lon:	14.86	Prof:	122.6 Km			STN	PHASE	MN	SEC	DIST	AZM	RES	
	±	1.59 km	±	1.15 km	±	3.7 km			CNDF	P	04	45.87	78.27	74.1	0.082	
	RMS:	0.46s	GAP:	60.8°	NR:	43			CNDF	S	04	56.77	78.27	74.1	0.510	
									CET2	P	05	2.37	208.62	23.8	0.150	
	STN	PHASE	MN	SEC	DIST	AZM	RES		CET2	S	05	24.55	208.62	23.8	-0.169	
	VBL2	P	41	49.92	120.02	65.0	-0.344		ROI	P	05	8.50	238.91	35.0	0.710	
	VBL2	S	42	7.09	120.02	65.0	-0.635									
	CET2	S	42	15.12	174.31	33.3	-0.396		<b>38</b>	131025	1205	04.3	- Etna			
<b>30</b>	131024	1048	25.7	- Alto Tirreno Cosentino					Lat:	37.80	Lon:	14.98	Prof:	21.2 Km		
	Lat:	39.82	Lon:	15.98	Prof:	0.0 Km			±	0.41 km	±	0.52 km	±	2.4 km		
	±	0.39 km	±	0.85 km	±	0.9 km			RMS:	0.42s	GAP:	55.8°	NR:	53		
	RMS:	0.20s	GAP:	150.8°	NR:	8			STN	PHASE	MN	SEC	DIST	AZM	RES	
	STN	PHASE	MN	SEC	DIST	AZM	RES		CNDF	P	05	18.93	79.76	74.5	0.003	
	CET2	P	48	32.63	33.33	185.3	-0.059		CNDF	S	05	30.52	79.76	74.5	0.902	
	CET2	S	48	37.58	33.33	185.3	-0.193		SMIN	P	05	31.97	169.08	40.3	0.152	
<b>31</b>	131024	1910	45.0	- Amantea - M.Reventino					SMIN	S	05	51.82	169.08	40.3	-0.123	
	Lat:	39.04	Lon:	16.44	Prof:	14.7 Km			CET2	P	05	35.72	209.10	24.3	0.738	
	±	0.73 km	±	0.61 km	±	1.4 km			CET2	S	05	56.97	209.10	24.3	-0.454	
	RMS:	0.24s	GAP:	152.0°	NR:	9			ROI	P	05	40.21	239.67	35.4	-0.363	
									ROI	S	06	7.99	239.67	35.4	0.880	
	STN	PHASE	MN	SEC	DIST	AZM	RES		<b>39</b>	131025	1210	30.5	- Etna			
	SMIN	P	10	49.92	20.17	246.0	0.227		Lat:	37.80	Lon:	14.99	Prof:	21.4 Km		
	SMIN	S	10	52.78	20.17	246.0	-0.299		±	0.55 km	±	0.79 km	±	3.2 km		
	CET2	P	10	57.40	68.01	321.9	-0.302		RMS:	0.55s	GAP:	51.6°	NR:	44		
<b>32</b>	131024	2312	14.3	- Canyon di Stromboli					STN	PHASE	MN	SEC	DIST	AZM	RES	
	Lat:	38.47	Lon:	15.33	Prof:	131.1 Km			CNDF	P	10	45.51	79.00	74.4	0.456	
	±	2.40 km	±	1.60 km	±	2.3 km			CNDF	S	10	56.14	79.00	74.4	0.481	
	RMS:	0.29s	GAP:	180.8°	NR:	18			CET2	P	11	1.77	208.72	24.1	0.608	
									CET2	S	11	24.23	208.72	24.1	0.677	
	STN	PHASE	MN	SEC	DIST	AZM	RES		<b>40</b>	131025	1211	30.2	- Etna			
	CNDF	P	12	34.73	69.02	139.2	0.125		Lat:	37.80	Lon:	15.00	Prof:	20.1 Km		
	CNDF	S	12	49.41	69.02	139.2	-0.046		±	0.38 km	±	0.52 km	±	2.1 km		
<b>33</b>	131025	1014	09.9	- Etna					RMS:	0.37s	GAP:	57.8°	NR:	38		
	Lat:	37.81	Lon:	15.00	Prof:	22.6 Km			STN	PHASE	MN	SEC	DIST	AZM	RES	
	±	0.73 km	±	0.89 km	±	3.1 km			CNDF	P	11	44.62	78.51	73.8	-0.023	
	RMS:	0.53s	GAP:	89.3°	NR:	31			CNDF	S	11	55.92	78.51	73.8	0.771	
									CET2	P	12	1.81	209.01	23.8	0.751	
	STN	PHASE	MN	SEC	DIST	AZM	RES		CET2	S	12	23.61	209.01	23.8	0.032	
	CNDF	P	14	24.71	77.53	74.6	0.451		<b>41</b>	131025	1252	33.6	- Etna			
	CNDF	S	14	35.68	77.53	74.6	0.958		Lat:	37.87	Lon:	14.98	Prof:	23.1 Km		
<b>34</b>	131025	1016	22.2	- Etna					±	1.11 km	±	0.56 km	±	1.8 km		
	Lat:	37.83	Lon:	14.98	Prof:	26.7 Km			RMS:	0.32s	GAP:	118.0°	NR:	20		
	±	0.78 km	±	0.86 km	±	2.7 km			STN	PHASE	MN	SEC	DIST	AZM	RES	
	RMS:	0.41s	GAP:	59.3°	NR:	22			CNDF	P	52	47.60	78.34	79.9	-0.505	
									CNDF	S	53	-43	78.34	79.9	0.886	
	STN	PHASE	MN	SEC	DIST	AZM	RES		CET2	P	53	4.28	202.37	25.2	0.435	
	CNDF	P	16	37.17	78.93	77.0	0.547		<b>42</b>	131025	1253	12.9	- Etna			
	CNDF	S	16	47.86	78.93	77.0	0.691		Lat:	37.80	Lon:	15.00	Prof:	20.2 Km		
<b>35</b>	131025	1038	22.4	- Etna					±	0.34 km	±	0.44 km	±	1.9 km		
	Lat:	37.82	Lon:	15.00	Prof:	25.0 Km			RMS:	0.32s	GAP:	61.8°	NR:	42		
	±	0.72 km	±	0.73 km	±	2.2 km										

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	53	27.25	78.24	74.4	-0.008
CNDF	S	53	38.39	78.24	74.4	0.656
CET2	P	53	44.09	208.29	23.9	0.481
CET2	S	54	6.09	208.29	23.9	0.036

**43** 131025 1259 05.6 - Etna  
Lat: 37.81 Lon: 14.99 Prof: 23.2 Km  
± 0.37 km ± 0.40 km ± 1.5 km  
RMS: 0.25s GAP: 92.3° NR: 30

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	59	20.19	78.59	74.9	0.016
CNDF	S	59	31.30	78.59	74.9	0.519

**44** 131025 1432 22.5 - Etna  
Lat: 37.78 Lon: 15.03 Prof: 20.5 Km  
± 0.73 km ± 0.97 km ± 3.1 km  
RMS: 0.53s GAP: 62.6° NR: 27

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	32	36.93	76.67	72.1	0.363
CNDF	S	32	47.09	76.67	72.1	0.232
CET2	P	32	53.65	209.63	23.0	0.338
CET2	S	33	16.07	209.63	23.0	0.213

**45** 131025 1541 00.7 - Etna  
Lat: 37.84 Lon: 14.99 Prof: 32.7 Km  
± 0.84 km ± 0.86 km ± 3.2 km  
RMS: 0.49s GAP: 61.4° NR: 30

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	41	14.59	77.97	77.6	-0.371
CNDF	S	41	24.77	77.97	77.6	-0.580

**46** 131025 1956 11.8 - Alto Tirreno Cosentino  
Lat: 39.85 Lon: 16.07 Prof: 5.0 Km  
± 0.98 km ± 2.06 km ± 1.6 km  
RMS: 0.28s GAP: 220.1° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	56	13.48	8.20	298.5	0.125
MMN	S	56	15.15	8.20	298.5	0.303
CET2	P	56	19.11	37.74	196.0	0.547
CET2	S	56	24.20	37.74	196.0	0.332

**47** 131026 0120 24.9 - Etna  
Lat: 37.81 Lon: 15.00 Prof: 24.7 Km  
± 0.56 km ± 0.63 km ± 3.7 km  
RMS: 0.63s GAP: 60.9° NR: 84

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	20	39.61	77.56	75.1	0.494
CNDF	S	20	49.87	77.56	75.1	0.348
SMIN	P	20	50.70	166.80	40.2	-0.985
SMIN	S	21	11.22	166.80	40.2	-0.071
CET2	P	20	55.72	207.06	23.9	0.790
CSC2	P	20	56.30	196.11	34.2	0.884
CSC2	S	21	17.97	196.11	34.2	0.217

**48** 131026 0123 20.2 - Etna  
Lat: 37.81 Lon: 15.00 Prof: 22.4 Km  
± 0.52 km ± 0.63 km ± 2.6 km  
RMS: 0.45s GAP: 60.6° NR: 48

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	23	34.72	77.55	74.6	0.177
CNDF	S	23	45.50	77.55	74.6	0.499
VBL2	P	23	43.81	135.67	45.6	0.518
VBL2	S	24	-1.16	135.67	45.6	-0.323
SMIN	P	23	47.15	167.19	40.0	-0.215
SMIN	S	24	6.36	167.19	40.0	-0.849
CET2	P	23	51.46	207.59	23.8	0.862
CET2	S	24	12.47	207.59	23.8	-0.337

**49** 131026 0311 55.7 - Etna  
Lat: 37.82 Lon: 14.99 Prof: 26.3 Km  
± 0.45 km ± 0.62 km ± 2.7 km  
RMS: 0.41s GAP: 60.4° NR: 52

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	12	10.41	78.02	75.9	0.428
CNDF	S	12	20.27	78.02	75.9	-0.153
VBL2	P	12	17.69	135.19	46.3	-0.570
VBL2	S	12	34.54	135.19	46.3	-0.223
SMIN	P	12	21.76	166.53	40.6	-0.555
SMIN	S	12	42.05	166.53	40.6	0.264
CET2	P	12	26.51	206.47	24.2	0.969
CET2	S	12	47.07	206.47	24.2	-0.302

**50** 131026 0759 27.3 - Catena del Pollino  
Lat: 39.82 Lon: 16.25 Prof: 12.9 Km  
± 0.91 km ± 1.03 km ± 3.1 km  
RMS: 0.54s GAP: 136.1° NR: 22

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	59	32.55	23.78	286.6	0.086
MMN	S	59	36.70	23.78	286.6	0.484
CET2	P	59	35.86	42.32	217.9	0.224
CET2	S	59	41.53	42.32	217.9	-0.178

**51** 131026 2046 41.5 - Piana bat. ionica  
Lat: 37.63 Lon: 15.42 Prof: 89.4 Km  
± 1.92 km ± 4.13 km ± 1.8 km  
RMS: 0.23s GAP: 329.2° NR: 8

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	46	56.82	55.94	43.6	0.128
CNDF	S	47	7.75	55.94	43.6	-0.028
VBL2	P	47	3.78	129.92	27.9	-0.315
VBL2	S	47	20.40	129.92	27.9	-0.203
SMIN	P	47	8.21	164.28	25.7	0.147
SMIN	S	47	27.76	164.28	25.7	0.285
CET2	P	47	12.79	215.15	12.8	0.019
CET2	S	47	35.62	215.15	12.8	-0.007

**52** 131027 1002 50.3 - Alto Tirreno Cosentino  
Lat: 39.86 Lon: 16.06 Prof: 10.7 Km  
± 0.75 km ± 0.83 km ± 1.9 km  
RMS: 0.33s GAP: 127.9° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	02	52.90	6.96	296.8	-0.087
MMN	S	02	54.20	6.96	296.8	-0.710
CET2	P	02	57.87	38.22	194.3	-0.024
CET2	S	03	2.95	38.22	194.3	-0.464

**53** 131027 2314 04.5 - Alto Tirreno Cosentino  
Lat: 39.81 Lon: 16.22 Prof: 4.7 Km  
± 1.37 km ± 1.10 km ± 2.4 km  
RMS: 0.52s GAP: 113.4° NR: 9

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	14	12.21	39.28	216.2	-0.363
CET2	S	14	17.73	39.28	216.2	-0.753
ROI	P	14	12.60	40.00	132.2	-0.214
ROI	S	14	19.90	40.00	132.2	0.992

**54** 131028 0411 02.4 - Monte Poro  
Lat: 38.75 Lon: 16.17 Prof: 15.5 Km  
± 0.35 km ± 0.59 km ± 0.9 km  
RMS: 0.15s GAP: 141.8° NR: 9

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	11	6.14	10.49	214.1	0.208
VBL2	S	11	8.27	10.49	214.1	-0.244
CET2	P	11	18.14	88.31	347.6	-0.029
CET2	S	11	29.65	88.31	347.6	-0.058

**55** 131028 0413 10.5 - M. Nebrodi-Madonie  
Lat: 37.83 Lon: 14.49 Prof: 19.3 Km  
± 0.69 km ± 0.66 km ± 2.9 km  
RMS: 0.50s GAP: 62.0° NR: 51

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	13	31.75	120.86	81.8	0.202
CNDF	S	13	47.64	120.86	81.8	0.719
VBL2	P	13	38.09	168.74	57.2	-0.122
VBL2	S	13	59.30	168.74	57.2	0.835
SMIN	P	13	41.33	196.80	50.7	-0.502

SMIN S 14 4.47 196.80 50.7 -0.264  
CET2 P 13 44.31 226.58 34.6 0.668  
CET2 S 14 8.81 226.58 34.6 0.942  
ROI P 13 50.60 263.70 43.5 0.000  
ROI S 14 26.41 263.70 43.5 0.000

56 131028 0623 55.1 - Canyon di Stromboli  
Lat: 38.60 Lon: 15.29 Prof: 200.7 Km  
± 3.57 km ± 3.14 km ± 3.2 km  
RMS: 0.39s GAP: 171.3° NR: 23

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	24	24.72	90.95	63.2	0.248
SMIN	S	24	45.33	90.95	63.2	-0.591
LADO	P	24	29.23	164.50	62.6	0.000
LADO	S	24	55.06	164.50	62.6	0.898

57 131028 1137 28.2 - Alto Tirreno Cosentino  
Lat: 39.87 Lon: 16.03 Prof: 6.2 Km  
± 0.93 km ± 1.49 km ± 2.7 km  
RMS: 0.46s GAP: 110.9° NR: 13

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	37	29.93	4.28	300.3	0.074
MMN	S	37	31.00	4.28	300.3	-0.061
CET2	P	37	35.70	38.65	190.3	0.075
CET2	S	37	40.61	38.65	190.3	-0.444

58 131028 1344 59.6 - Alto Tirreno Cosentino  
Lat: 39.87 Lon: 16.06 Prof: 5.8 Km  
± 0.66 km ± 0.76 km ± 1.3 km  
RMS: 0.30s GAP: 137.4° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	45	1.91	7.00	285.8	0.160
MMN	S	45	2.98	7.00	285.8	-0.343
CET2	P	45	7.54	39.56	194.6	-0.048
CET2	S	45	12.82	39.56	194.6	-0.613

59 131028 1709 26.6 - Etna  
Lat: 37.74 Lon: 14.92 Prof: 24.1 Km  
± 0.51 km ± 0.67 km ± 2.9 km  
RMS: 0.50s GAP: 39.1° NR: 55

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	09	42.34	87.02	71.6	-0.017
CNDF	S	09	53.32	87.02	71.6	-0.540
VBL2	P	09	50.07	146.05	45.8	-0.742
VBL2	S	10	9.02	146.05	45.8	0.514
SMIN	P	09	54.77	177.47	40.5	-0.102
SMIN	S	10	15.22	177.47	40.5	-0.317
CET2	P	09	58.64	217.07	25.0	0.629
CET2	S	10	21.65	217.07	25.0	0.677

60 131028 2127 23.4 - Milazzo  
Lat: 38.30 Lon: 15.49 Prof: 122.4 Km  
± 3.34 km ± 4.94 km ± 5.7 km  
RMS: 0.71s GAP: 93.3° NR: 20

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	27	42.25	46.38	137.4	0.634
CNDF	S	27	55.62	46.38	137.4	0.686
CET2	P	27	48.96	141.09	16.7	0.544
CET2	S	28	7.40	141.09	16.7	0.689

61 131028 2213 05.7 - Presila nord-or.  
Lat: 39.40 Lon: 17.03 Prof: 19.5 Km  
± 1.48 km ± 1.96 km ± 2.9 km  
RMS: 0.49s GAP: 264.5° NR: 18

STN	PHASE	MN	SEC	DIST	AZM	RES
LADO	P	13	10.14	14.62	198.5	-0.114
LADO	S	13	13.80	14.62	198.5	0.266
ROI	P	13	14.43	43.93	294.0	-0.225
ROI	S	13	20.45	43.93	294.0	-0.698
CSC2	P	13	19.29	68.30	258.3	0.902
CSC2	S	13	27.19	68.30	258.3	-0.428
CET2	P	13	21.40	93.88	278.0	-0.302
CET2	S	13	33.66	93.88	278.0	0.300
SMIN	P	13	22.03	84.79	235.0	0.838

SMIN S 13 32.78 84.79 235.0 0.306

62 131029 0436 57.2 - Catena Costiera  
Lat: 39.33 Lon: 16.17 Prof: 10.8 Km  
± 0.42 km ± 0.65 km ± 2.5 km  
RMS: 0.43s GAP: 121.2° NR: 43

STN	PHASE	MN	SEC	DIST	AZM	RES
SCOI	P	37	.08	8.78	126.7	0.236
SCOI	S	37	1.54	8.78	126.7	-0.237
CSC2	P	37	.19	9.07	127.9	0.304
CSC2	S	37	1.68	9.07	127.9	-0.170
CET2	P	37	3.18	28.55	318.5	0.173
CET2	S	37	6.71	28.55	318.5	-0.546
SMIN	P	37	5.05	40.62	173.5	0.199
SMIN	S	37	10.25	40.62	173.5	-0.202
ROI	P	37	5.34	42.84	52.3	-0.166
ROI	S	37	10.78	42.84	52.3	-0.806
LADO	P	37	9.38	69.63	94.6	-0.396
LADO	S	37	19.59	69.63	94.6	0.609
MMN	P	37	9.38	63.54	345.7	0.591
MMN	S	37	17.10	63.54	345.7	-0.170
VBL2	P	37	10.72	73.79	184.6	0.225
VBL2	S	37	19.90	73.79	184.6	-0.326

63 131029 1151 49.7 - Vulcano Marsili  
Lat: 38.92 Lon: 14.30 Prof: 49.1 Km  
± 1.62 km ± 2.16 km ± 3.7 km  
RMS: 0.46s GAP: 226.0° NR: 23

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	52	13.07	157.32	65.6	0.493
CET2	S	52	29.51	157.32	65.6	0.231

64 131029 1450 08.3 - Alto Tirreno Cosentino  
Lat: 39.85 Lon: 16.09 Prof: 5.6 Km  
± 0.52 km ± 0.62 km ± 1.4 km  
RMS: 0.32s GAP: 102.0° NR: 11

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	50	10.99	10.23	295.5	-0.066
MMN	S	50	12.60	10.23	295.5	-0.427
CET2	P	50	16.07	37.89	199.2	-0.019
CET2	S	50	21.10	37.89	199.2	-0.645

65 131029 1653 58.8 - Etna  
Lat: 37.80 Lon: 14.99 Prof: 21.3 Km  
± 0.42 km ± 0.58 km ± 2.4 km  
RMS: 0.41s GAP: 57.7° NR: 43

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	54	13.43	78.68	74.2	0.115
CNDF	S	54	24.57	78.68	74.2	0.694
CET2	P	54	29.85	208.78	24.0	0.357
CET2	S	54	52.28	208.78	24.0	0.381

66 131029 1700 04.9 - Valle dell'Esaro  
Lat: 39.79 Lon: 16.21 Prof: 3.9 Km  
± 1.13 km ± 0.90 km ± 2.3 km  
RMS: 0.50s GAP: 114.5° NR: 10

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	00	10.03	21.83	297.7	0.133
MMN	S	00	13.90	21.83	297.7	0.385
CET2	P	00	12.44	37.56	216.9	-0.399
CET2	S	00	17.63	37.56	216.9	-0.981
ROI	P	00	13.61	39.43	129.8	0.326
ROI	S	00	19.91	39.43	129.8	0.530

67 131029 2016 22.4 - Bacino di Gioia  
Lat: 38.45 Lon: 15.55 Prof: 131.2 Km  
± 1.61 km ± 1.90 km ± 3.6 km  
RMS: 0.44s GAP: 115.7° NR: 43

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	16	42.00	54.04	63.5	-0.047
VBL2	S	16	55.73	54.04	63.5	-0.680
CNDF	P	16	42.28	56.66	152.4	0.290
CNDF	S	16	57.11	56.66	152.4	0.801
SMIN	P	16	43.41	82.14	45.7	-0.387

SMIN	S	16	58.84	82.14	45.7	-0.587
CET2	P	16	46.93	124.20	16.5	0.515
CET2	S	17	4.87	124.20	16.5	0.897
LADO	P	16	49.83	154.18	53.3	0.068
LADO	S	17	9.30	154.18	53.3	-0.467

**68** 131029 2212 59.2 - Vulcano  
Lat: 38.39 Lon: 15.03 Prof: 13.3 Km  
± 0.56 km ± 0.45 km ± 2.0 km  
RMS: 0.35s GAP: 85.0° NR: 42

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	13	14.18	84.33	121.6	-0.208
CNDF	S	13	24.78	84.33	121.6	-0.686
VBL2	P	13	16.41	98.70	72.2	-0.468
SMIN	P	13	21.11	122.18	58.7	0.199
SMIN	S	13	36.81	122.18	58.7	0.049
CET2	P	13	22.78	149.03	32.9	0.289
CET2	S	13	39.43	149.03	32.9	-0.074

**69** 131030 0235 20.8 - Canyon di Stromboli  
Lat: 38.69 Lon: 15.41 Prof: 229.1 Km  
± 3.25 km ± 4.04 km ± 4.6 km  
RMS: 0.55s GAP: 127.8° NR: 46

STN	PHASE	MN	SEC	DIST	AZM	RES
VBL2	P	35	51.41	60.50	93.0	-0.494
VBL2	S	36	14.43	60.50	93.0	-0.223
SMIN	P	35	51.83	76.98	67.1	-0.663
SMIN	S	36	15.68	76.98	67.1	0.008
CNDF	P	35	52.99	86.49	153.7	0.186
CET2	P	35	53.07	103.26	27.3	0.058
CSC2	P	35	53.28	97.95	48.6	-0.125
CSC2	S	36	16.93	97.95	48.6	-0.320
ROI	P	35	56.25	139.14	46.1	0.447
ROI	S	36	21.68	139.14	46.1	0.276
LADO	P	35	56.83	150.37	64.5	0.470
LADO	S	36	23.57	150.37	64.5	1.200

**70** 131030 0304 51.4 - Sicilia Occidentale  
Lat: 36.66 Lon: 13.23 Prof: 7.7 Km  
± 2.46 km ± 2.40 km ± 2.4 km  
RMS: 0.54s GAP: 271.2° NR: 44

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	05	33.88	275.77	58.4	0.000
VBL2	P	05	40.20	337.59	49.6	0.000
CET2	P	05	47.47	397.53	37.8	0.000

**71** 131030 0546 15.4 - Coste Sicilia Or.  
Lat: 37.84 Lon: 15.49 Prof: 24.2 Km  
± 0.53 km ± 0.69 km ± 1.9 km  
RMS: 0.33s GAP: 136.2° NR: 29

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	46	23.69	36.84	61.2	0.276
CNDF	S	46	29.91	36.84	61.2	0.700

**72** 131030 0849 23.6 - Scarpata di Paola  
Lat: 38.84 Lon: 15.42 Prof: 217.6 Km  
± 3.52 km ± 4.93 km ± 3.6 km  
RMS: 0.44s GAP: 228.5° NR: 15

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	49	53.84	88.37	31.5	0.019
CET2	S	50	16.02	88.37	31.5	0.109

**73** 131030 1050 48.7 - Maratea - Rotonda  
Lat: 40.00 Lon: 15.83 Prof: 4.7 Km  
± 0.63 km ± 0.85 km ± 2.8 km  
RMS: 0.48s GAP: 69.2° NR: 28

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	50	52.92	18.42	134.7	0.411
MMN	S	50	55.83	18.42	134.7	0.584
CET2	P	50	59.17	54.06	169.5	0.319
CET2	S	51	6.36	54.06	169.5	0.130

**74** 131030 1322 27.6 - Bacino di Paola  
Lat: 38.92 Lon: 15.94 Prof: 175.0 Km  
± 2.14 km ± 4.42 km ± 5.3 km  
RMS: 0.63s GAP: 139.4° NR: 34

STN	PHASE	MN	SEC	DIST	AZM	RES
CET2	P	22	51.34	67.59	1.3	0.112
CET2	S	23	9.26	67.59	1.3	-0.045
ROI	P	22	53.43	90.48	36.9	0.265
ROI	S	23	12.29	90.48	36.9	-0.371
CNDF	P	22	53.50	102.02	184.3	-0.222
CNDF	S	23	12.79	102.02	184.3	-0.837

**75** 131030 1802 49.3 - Bacino di Paola  
Lat: 39.24 Lon: 15.66 Prof: 225.3 Km  
± 2.03 km ± 3.85 km ± 4.1 km  
RMS: 0.48s GAP: 169.5° NR: 34

STN	PHASE	MN	SEC	DIST	AZM	RES
SMIN	P	03	19.43	57.47	121.8	-0.492
SMIN	S	03	41.50	57.47	121.8	-0.764
CET2	P	03	19.44	40.41	38.8	0.659
CET2	S	03	41.10	40.41	38.8	0.810
ROI	P	03	21.32	86.17	65.1	0.329
ROI	S	03	45.05	86.17	65.1	0.933
LADO	P	03	22.31	113.75	87.7	0.092
CNDF	P	03	23.99	138.78	173.3	0.028
CNDF	S	03	49.47	138.78	173.3	0.209

**76** 131030 2353 25.0 - Bacino di Gioia  
Lat: 38.36 Lon: 15.40 Prof: 111.4 Km  
± 1.98 km ± 2.05 km ± 3.4 km  
RMS: 0.43s GAP: 107.5° NR: 24

STN	PHASE	MN	SEC	DIST	AZM	RES
CNDF	P	53	42.90	56.21	135.5	0.379
CNDF	S	53	55.16	56.21	135.5	-0.163
VBL2	P	53	43.56	70.42	60.9	-0.150
VBL2	S	53	57.50	70.42	60.9	0.113
CET2	P	53	49.46	138.01	20.6	0.570
CET2	S	54	6.90	138.01	20.6	0.542

**77** 131031 1932 53.1 - Alto Tirreno Cosentino  
Lat: 39.77 Lon: 16.09 Prof: 5.4 Km  
± 0.46 km ± 0.71 km ± 1.5 km  
RMS: 0.33s GAP: 107.5° NR: 19

STN	PHASE	MN	SEC	DIST	AZM	RES
MMN	P	32	56.61	15.73	326.5	-0.278
MMN	S	33	-0.39	15.73	326.5	-0.042
CET2	P	32	59.35	29.55	203.7	-0.101
CET2	S	33	3.66	29.55	203.7	-0.423
ROI	P	33	2.60	46.60	118.5	0.118
ROI	S	33	9.48	46.60	118.5	0.149
SMIN	P	33	9.68	89.57	172.5	0.213
SMIN	S	33	21.17	89.57	172.5	-0.259