Regional macroseismic field of the 1980 Irpinia earthquake

A. Bottari* - L. Giovani** - E. Lo Giudice° - V. Longo°
M. C. Spadea** - M. Vecchi**

Received on December 21st, 1981

Riassunto

E presentata un'analisi del campo macrosismico del terremoto irpino del 1980 che per magnitudo ed estensione dell'area interessata risulta il maggiore evento sismico verificatosi in Italia negli ultimi cinquanta anni.

L'insieme dei dati rilevati mediante indagini dirette e/o a mezzo scheda macrosismica consente la definizione dell'intensità sismica in 1286 centri abitati di 13 regioni.

Il campo regionale confrontato con i modelli di Blake ($\Upsilon = 5.0$), risulta compatibile con i seguenti parametri focali

$$I_o = X^{o} \text{ MSK} ; \Phi_o = = 40.86 \text{ N} ; \lambda_o = 15.25 \text{ E} ;$$

$$I_{oc} = 9.99 \pm 0.5 \text{ MSK} ; h_1 = 15 \text{ Km}.$$

L'anisotropia del campo regionale è analizzata mediante la determinazione dell'attenuazione azimutale dell'intensità (α_z) i cui valori estremi risultano $2.0 \cdot 10^{-3}$ e $3.9 \cdot 10^{-3}$, rispettivamente lungo le direzioni NNW e SW.
e $3.9 \cdot 10^{-3}$, rispettivamente lungo le direzioni NNW e SW.

L'area mesosismica risulta caratterizzata principalmente da domini strutturali, rilevati con il metodo shadow, con direzione appenninica (NW-SE), antiappenninica e meridiana (N-S).

---

* Istituto Geofisico, University of Messina.
** Istituto Internazionale di Geofisica, Rome.
° Istituto Internazionale di Vulcanologia - CNR, Catania.

Un modello per la sorgente sismica è stato elaborato secondo la metodologia di Shebalin. I relativi valori dei parametri risultano:

$$l_{xl} = 14 \text{ Km} \; ; \; A_z = 128° \text{ E}$$
$$l_x = 56 \text{ Km} \; ; \; \vartheta = 61° \text{ (dip SW)}$$
$$l_z = 13.5 \text{ Km} \; ; \; S_o = 782 \text{ Km}^2$$

L'azimuth della sezione longitudinale della sorgente (128° E) risulta molto prossimo a quello di strike del piano di faglia proposto da vari autori nella soluzione del meccanismo focale; l'estensione longitudinale ed il relativo modesto sviluppo verticale sono considerati nel contesto del quadro geo-sismotettonico della regione irpina. L'angolo d'immersione (dip 61° SW) è invece discordante con quello generalmente proposto nella soluzione del meccanismo focale.

Abstract

This paper sets forth an analysis of the macroseismic field of the Irpinia earthquake of 1980, which, by its magnitude and extent in the affected area, makes it the largest seismic event happening in Italy in the last 50 years.

The data was collected by means either of direct inquiry or by macroseimic card, or by both these methods, and allows us to give a definition of seismic intensity, in altogether 1286 inhabited centres, in 13 different regions.

The field, when compared to Blake's model ($\gamma = 5.0$), gives results compatible with the following focal parameters:

$$I_o = X^o \text{ MSK} \; ; \; \varphi_o = = 40.86 \text{ N} \; ; \; \lambda_o = 15.25 \text{ E} \; ;$$
$$I_{oc} = 9.99 \pm 0.5 \text{ MSK} \; ; \; h_n = 15 \text{ Km}.$$

The anisotropy of the field was analysed by means of a reckoning of the azimuthal attenuation to be of the intensity of (α_z), the extreme values of which give the result $2.0 \cdot 10^{-3}$ and $3.9 \cdot 10^{-3}$, in directions respectively NNW and SW.

The mesoseismic area showed itself to be principally characterised by structural domains, brought out by the shadow method, following either the direction of the Apennines (NW-SE), going across the Apennines, or taking a meridional direction (N-S).

A model for the seismic source has been elaborated along Shebalin's methodology. The relative values of the parameters came out thus:

$$l_{xl} = 14 \text{ Km} \; ; \; A_z = 128° \text{ E}$$
$$l_x = 56 \text{ Km} \; ; \; \vartheta = 61° \text{ (dip SW)}$$
$$l_z = 13.5 \text{ Km} \; ; \; S_o = 782 \text{ Km}^2$$

The azimuth of the longitudinal section of the source (128° E) turns out to be very close to the strike azimuth of the fault plane proposed by various authors searching for a solution to the focal mechanism; the longitudinal extension and the relatively modest vertical development of the source are justifiable in the context of the geo-seismotectonic scheme of the Irpinia region. The angle of dip (61° SW), on the other hand, is in contrast to that generally proposed in research into the solution for the focal mechanism.

1. - Introduction

At 1930 hours local time on the evening of 23rd November 1980 a period of intense seismic activity began with a catastrophic main shock of magnitude 6.5, the intensity of which has been estimated as X° MSK. The worst hit area was the one lying between the localities of Castelnuovo di Conza, Conza della Campania, Laviano, Lioni, Sant'Angelo dei Lombardi and Santomenna. The first reports received from the region were both dramatic and contradictory.

The Istituto Nazionale di Geofisica decided upon the immediate despatch of microseismic and macroseismic survey teams to the area in order to install a local array to record seismic events and to carry out on-the-spot investigation and measurement.

A coordination centre of the Italian Geodynamical Project — CNR (P.F.G. - CNR) was rapidly set up in Naples with the task of coordinating collaboration between the various researchers that had been called in. In view of the enormous size of the disaster area it was decided to give each of the specially created geological, technical and macroseismic survey teams a well-defined zone to work in.

The macroseismic survey team of the Istituto Nazionale di Geofisica worked in cooperation with the Operational Unit of the Istituto di Geofisica of the University of Messina and the Istituto Internazionale di Vulcanologia — CNR of Catania. The ING was given the task of carrying out its investigation in the megaseismic area, i.e. in the localities of Guardia dei Lombardi, Sant'Angelo dei Lombardi, Morra de Sanctis, Lioni, Teora, Conza della Campania, Sant'Andrea di Conza, Castelnuovo di Conza, Santomenna, Laviano, Caposele and Materdomini, as well as in the epicentre area, i.e. in the vicinity of Foggia, Barletta, Lacedonia, Bisaccia, Vallata and

Andretta. The Messina University — Catania CNR group was assigned the macroseismic survey of the upper Sele valley in the eastern Cilento, southern Basilicata, Calabria and Sicily. The above localities were visited and studied by the authors also for seismic microzoning purposes. The data on which to base a more precise macroseismic study of the phenomenon were extracted from the information gathered during the surveys.

In order to trace out as accurate as possible a macroseismic field of this tragic event, the survey was completed by means of the analytical processing of some 1,300 questionnaires (*) received by the Istituto Nazionale di Geofisica from all over Italy, as well as of the data collected by the macroseismic group of the Italian Geodynamical Project as a whole.

The present study may be considered of particular interest owing to the great mass of data used and the direct and indirect acquisition techniques used by the authors. Together with the fact the earthquake of 23-11-80 was the greatest seismic event as far as magnitude and area affected to have occurred in Italy in the last fifty years, these elements make the study of great significance.

2. - Historical earthquakes in the Irpinia area

The huge Irpinia disaster area affected by the period of seismic activity beginning on 23-11-1980 is much the same as that which had been the scene of numerous terrible earthquakes in previous centuries. In view of the large number of earthquakes involved only those with $I_o \geq$ VIII° have been considered.

The epicentral data and the dates of the earthquakes prior to 1000 were taken from the Seismic Cataloque and Macroseismic Atlas of the ING (CSN - National Seismic Catalogue). For those after the year 1000 some were taken from the ENEL Seismic Catalogue (1975), others from our own surveys. Maps have been made (fig. 1) for all major events (see tab. 1) causing damage, death or injury in localities hit by the same earthquake inside the area lying within a radius of 80 km from a central point located at

(*) Compiled by the operators of Arma Generale dei Carabinieri in accordance with the 1979 agreement with Istituto Nazionale di Geofisica, Rome.

TABLE 1

LIST OF STRONG HISTORICAL SEISMIC EVENTS IN THE IRPINIA AREA UNTIL 31-12-1980

Year	M	D	Epicentre		Intensity	Localities	Isoseismals
63	FEB	5	40.7N	14.5E	IX-X	POMPEI	
300	—	—	40.9N	15.7E	VIII-IX	VULTURE	
344	APR	11	41.0N	15.0E	IX-X	CAMPANIA	
369	—	—	41.1N	14.8E	IX	BENEVENTO	
990	OCT	25	41.0N	14.8E	IX-X	BENEVENTANO	
1125	OCT	11	41.2N	14.8E	X	BENEVENTANO	
1180	—	—	41.1N	15.1E	X	IRPINIA	
1273	—	—	40.6N	15.8E	IX	POTENZA	
1361	JUL	17	41.2N	15.5E	IX	ASCOLI SATRIANO	
1456	DEC	5	41.3N	14.7E	XI	REGNO DI NAPOLI	BARATTA, 1901
1550	AUG	25	40.3N	15.6E	IX	VALLO DI DIANO	
1561	JUL	31	40.3N	15.6E	IX	VALLO DI DIANO	
1561	AUG	19	40.3N	15.6E	X	VALLO DI DIANO	
1654	SEP	8	40.8N	15.7E	IX	ATELLA	
1688	JIU	5	41.2N	14.9E	X-XI	BENEVENTANO	SERVA, 1981 a
1694	SEP	8	40.8N	15.6E	X	AVELLINESE-BASILICATA	SERVA, 1981 b
1702	MAR	14	41.2N	14.8E	IX	BENEVENTANO	
1732	NOV	29	41.2N	15.1E	X	AVELLINESE	SPADEA, VECCHI, DEL MESE (ATLAS-P.F.G., in press.)
1826	FEB	1	40.6N	15.7E	IX	BASILICATA	
1851	AUG	14	41.0N	17.7E	X XI	VULTURE-POTENZA	MARCELLI et al., 1979
1853	APR	9	40.8N	15.2E	VIII-IX	AVELLINESE	
1857	DEC	16	40.3N	15.9E	X	BASILICATA	BRANNO et al. (ATLAS-P.F.G., in press.)
1858	AUG	6	— —	— —	IX	SALERNITANO	
1903	MAY	4	41.0N	14.7E	VIII	BENEVENTANO	
1910	JIU	7	40.9N	15.5E	IX-X	AVELLINESE	
1930	JUL	23	41.1N	15.4E	X	IRPINIA	MARCELLI et al., 1979
1962	AUG	21	41.1N	15.1E	VIII-IX	(ore 19.09) IRPINIA	SPADEA, VECCHI, DEL MESE
1962	AUG	21	41.1N	15.1E	IX	(ore 1920)	(ATLAS-P.F.G., in press.)
1980	NOV	23	40.8N	15.4E	X	IRPINIA	BOTTARI, GIOVANI, LO GIUDICE, LONGO, SPADEA, VECCHI (in the present paper)

40.7°N 15.2°E). Furthermore, the earthquake under examination set off very intense seismic activity lasting several months and with shocks of up to VII° - VIII° in intensity.

For the purpose of a more accurate interpretation of the event under examination within the framework of the seismicity of the Irpinia area, the macroseismic fields of three historical earthquakes have also been given. These are of great interest for the purposes of comparison, also in view of the recent critical review made of them by authors (figs. 2, 3, 4).

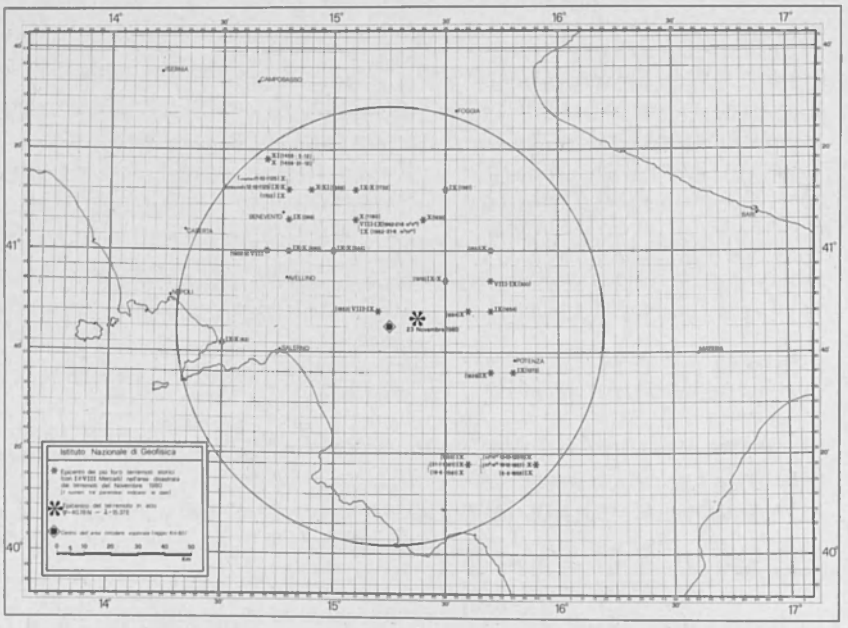


FIG. 1 - Map of epicentres of historical earthquakes (MARCELLI L., January 1981, internal report).

3. - DEFINITION OF THE MACROSEISMIC FIELD

3.1. - *Representation criteria*

The total data acquired either directly and/or from macroseismic questionnaires have allowed intensity to be defined for a

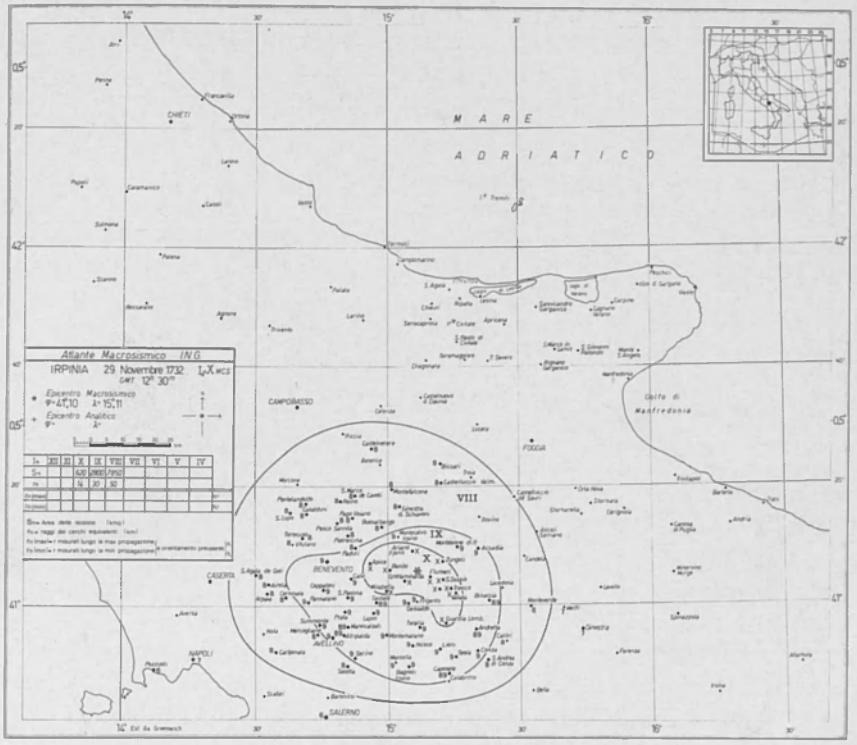


Fig. 2 - Macroseismic field of the earthquake of 29-11-1732, (SPADEA M. C. - VECCHI M. - DEL MESE S. - in Atlas-PFG/CNR, in press).

total of 1286 localities. The criteria used in assigning the grade of macroseismic intensity are set out below.

The intensity is not expressed in the form of a range of values but as a single value. It thus follows that plotting the isoseismals these values may be taken as the lower, median or upper limit of the grade in question. In our view the second criterion makes it possible to plot the isoseismals using the intermediate values which, if specifically observed during the survey, have been plotted in the macroseismic field as intermediate grades (e.g. expressed as 2-3, IV°-V°). On the other hand, this is consistent with the use the same authors (Prochazkova and Karnik, 1978) propo-

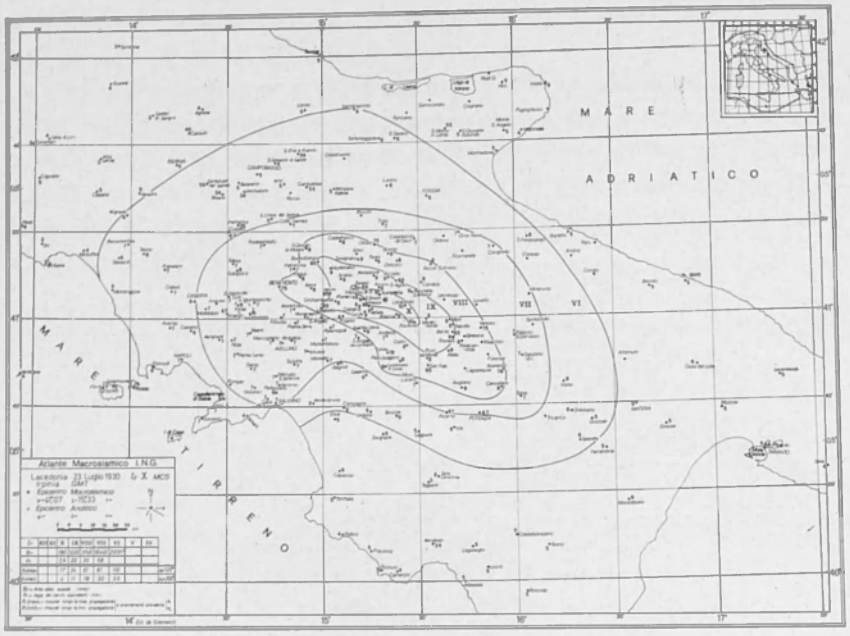


Fig. 4 - Macroseismic field of earthquake of 23-7-1930. (MARCELLI L. - SPADEA M. C. - VECCHI M., 1979).

sed for the MSK scale. Although maintaining the set of points with the intensity observed as initial data, in plotting the isoseismals it is attempted to give a representation of the regional macroseismic field (BOTTARI and LO GIUDICE, 1982). In other words, the points having a lower «weight» and those related to «restricted» anomalies are neglected (BOTTARI and LO GIUDICE, 1981) and the isoseismals are smoothed to characterize the regional pattern, the anisotropy of which is mainly dependent on the geologico-structural characteristics governing the propagation of seismic waves. Any «local» anomalies appear in the plot as «islands» or «apophysis».

In accordance with the above criteria the overall regional field has been plotted in fig. 5 (base scale 1 : 1,000,000). The same field (base scale 1 : 500,000) is shown in fig. 6, although only for the

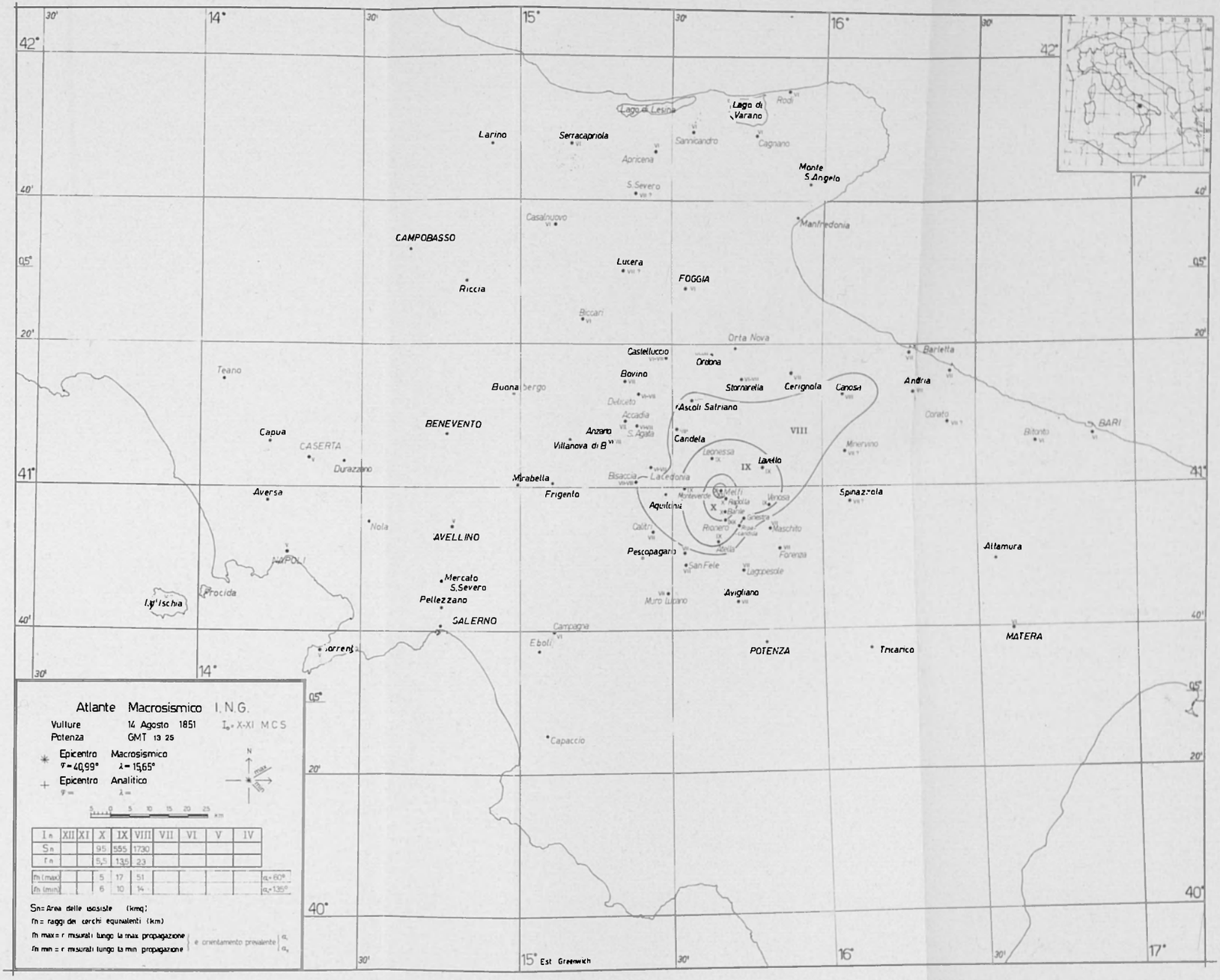


Fig. 3 - Macroseismic field of earthquake of 14-8-1851. (MARCELLI L. - SPADEA M. C. - VECCHI M., 1979).

23 NOV 1980

IRPINIA EARTHQUAKE

MACROSEISMIC FIELD

0 5 10 20 30 40 50 Km

Fig. 5 - Regional macroseismic field. For symbols caption see appendix

where the mean radii of the isoseismals (equivalent circumferences) over the range IV° $\leq I \leq$ VIII° were used to calculate h_n; the values of the area S shown in parentheses refer to the isoseismals whose plot lies partly in the sea.

After correction for an isotropic field the aforegoing can be extended to the rather anisotropic regional field. In this case the azimuthal attenuation α_z is calculated, together with its reciprocal «macroseismic conductivity» ρ_z in the more significant directions using the following relation (Bottari et al., 1982):

$$I = I_0 \, e^{\alpha_z \Delta}$$

The macroseismic conductivity values calculated for 16 azimuthal sectors having a width of 22°.5 are shown in fig. 8 and again in table 2, together with those of the attenuation.

The macroseismic field is characterized from X° to III° MSK (fig. 5). The X° and IX° isoseismals are affected by the source and are seen in particular to run along the Apennines (NW-SE). The VIII° and VII° isoseismals run to a lesser extent in this direction and to a greater extent in a NNW direction. The direction of maximum propagation of the intensity is apparent as far as the VI° isoseismal along the Apennines chain. Starting from this isoseismal, which is the last complete one, a preferential propagation towards the N appears (about 15° W), which can be followed as far as isoseismal IV°. Towards the S, despite the incompleteness of the isoseismals plot, the preferential propagation follows the Calabro-Peloritano arc. In the same direction it is possible to define also the limit of the III° area in Sicily, while it cannot be plotted to the N owing to the inadequacy and inconsistency of the available data. The macrosismic field characteristics in the Calabro-Peloritano area allow the correlation between the macroseismic azimuthal attenuation and the field of structural patterns to be verified (Bottari et al., 1982; Bottari et al., in press).

Overall, the macroseismic field displays no significant anomalous areas, except for three small zones — two of which with a negative anomaly in the upper Calore river valley in the VIII° area (fig. 7), and the third with a positive anomaly inside the VI° area on the Sorrento peninsula (fig. 6).

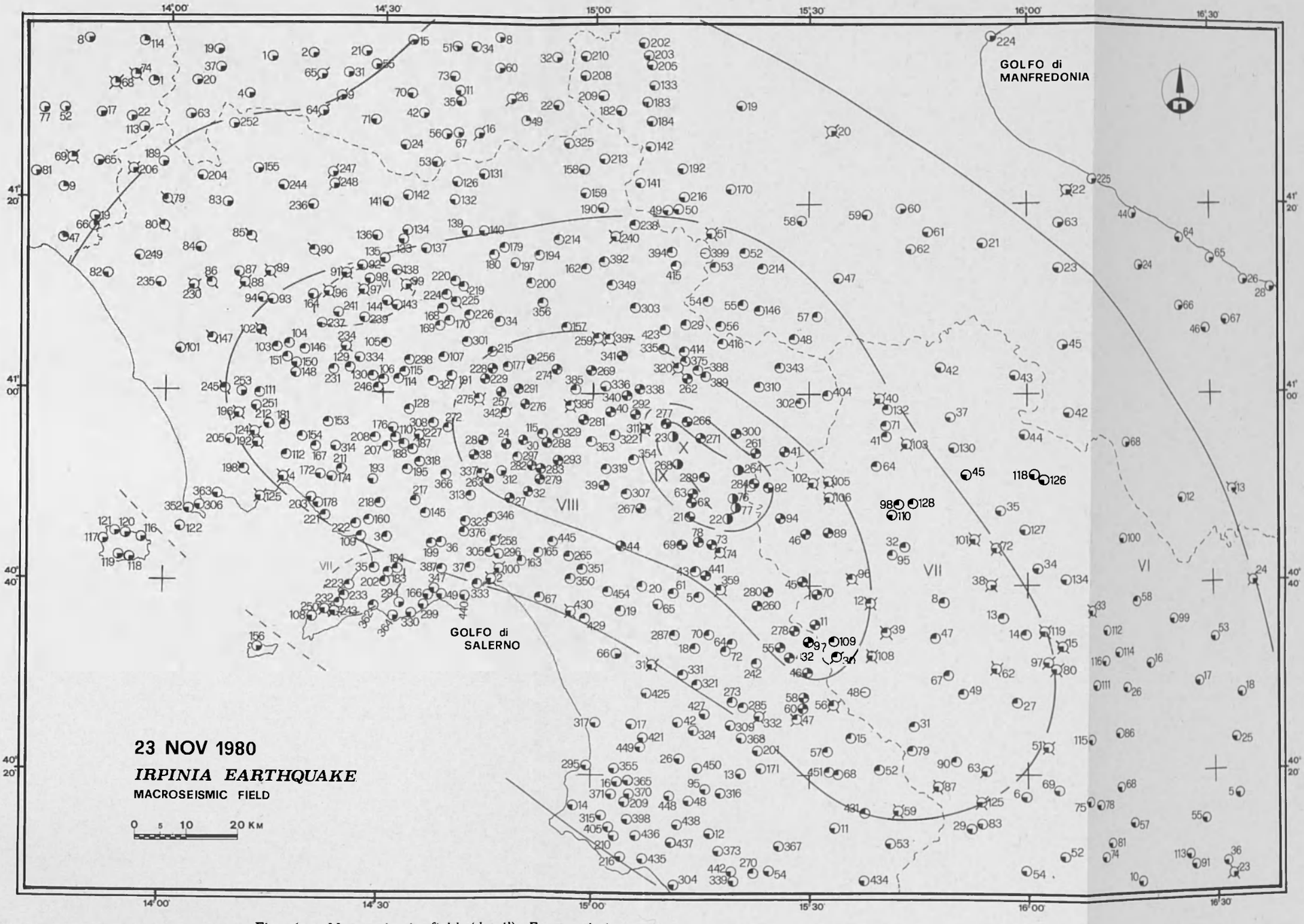


Fig. 6 - Macroseismic field (detail). For symbols caption see appendix

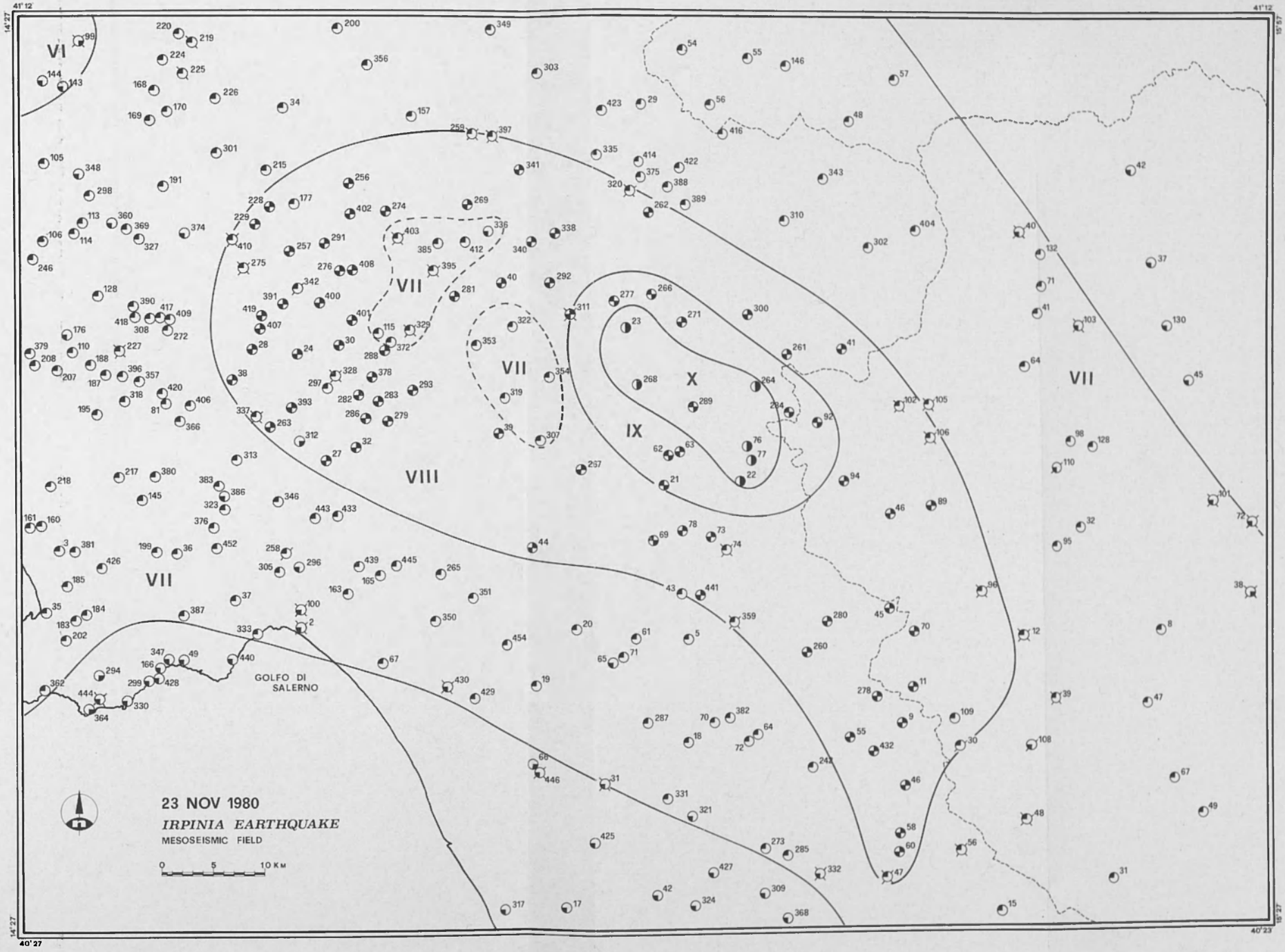


Fig. 7 - Mesoseismic field. For symbols caption see appendix

TABLE 2

Attenuation (α_z) and conductivity (ρ_z) values for azimuthal Sectors (22°.5) in the intensity range VIII° — IV° MSK

Azimuthal Sector	$\alpha_z \cdot 10^4$ (Km^{-1})	ρ_z (Km)
N	23 ± 8	428 ± 172
NNE	26 ± 8	385 ± 122
NE	29 ± 8	345 ± 103
ENE	29 ± 7	345 ± 88
E	28 ± 5	357 ± 66
ESE	29 ± 2	345 ± 24
SE	29 ± 1	345 ± 12
SSE	25 ± 9	400 ± 165
S	25 ± 7	400 ± 122
SSW	32 ± 8	312 ± 52
SW	39 ± 9	256 ± 62
WSW	39 ± 7	256 ± 48
W	37 ± 6	270 ± 24
WNW	27 ± 11	370 ± 181
NW	22 ± 10	455 ± 298
NNW	20 ± 9	503 ± 282

4. - Study of the source

In order to define the size of the mesoseismic area in the broad sense the criterion adopted was that of Shebalin (1974) in which the local effect on the field related to the vertical development of the source is analysed. This effect, which is clearly revealed by the plot of the S_i/S_{i+1} ratio, is restricted to the intensity X° and IX° areas (fig. 9, fig. 13).

The mesoseismic area shows how the two rose diagrams (fig. 10) of the features detected using the shadow method (Wise et al.,

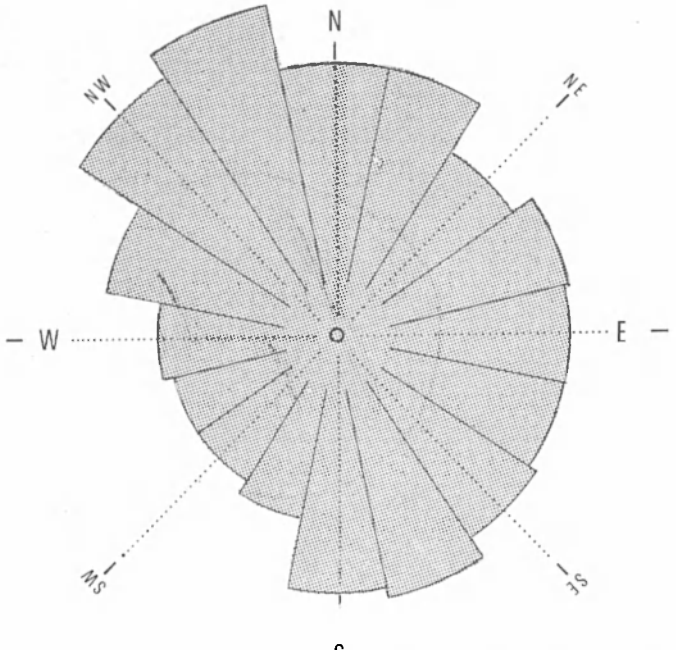


Fig. 8 - Rose diagram of ρ_i referring to VIII°-IV° isoseismals range for 16 22°.5 angular sectors. The values have been normalized with respect to the maximum value of 503 determined for the NNW directrix.

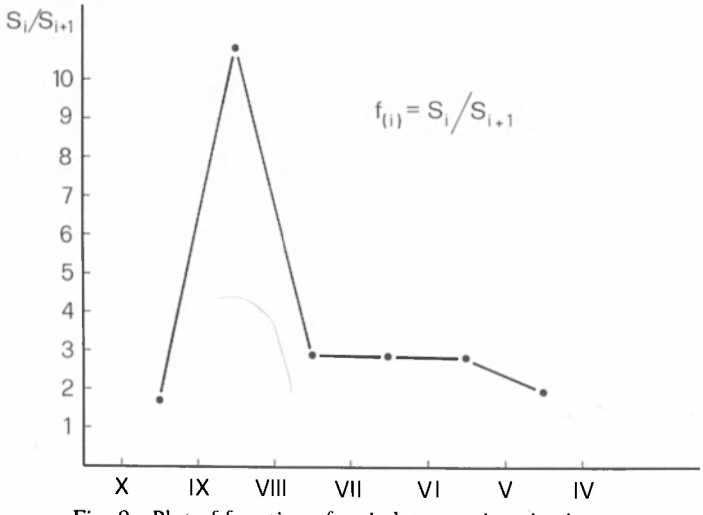


Fig. 9 - Plot of function of ratio between isoseismic areas.

1979), is characterized mainly by structural domains with Apennine (NW-SE), anti-Apennine and southern (N-S) orientation. That the Apennine type domains with regional development predominate is confirmed by the Landsat image survey carried out by us (fig. 11). In reading the relevant rose diagram account must be taken of the fact that the solar illumination (El. 36°, Az. 136°) heavily penalizes the iso-orientated angular sector (of about 30°), and enhances the sectors transversal to the normal one. The domain at N 45° W must thus be considered a first-order maximum.

Shebalin's method (1974) was used for the purposes of source modelling, except in the calculation of h and γ, for which it was preferred to follow the procedure developed by BOTTARI et al. (1979).

The barycentres calculated for each isoseismal area is shown in fig. 12. The overall result is a low dispersion which indirectly confirms the reliability of the assigned intensities and the relative isoseismal plots. In particular, the good agreement of the barycentres in both the X° and IX° and the VIII° and VII° intensity areas, which are defined by isoseismals governed wholly by observed intensities, allows a reliable determination to be made for E_{on} and E_{ol}. As can be seen in fig. 13, they can both be associated with two well-defined plots of the function $I(\Delta)$. The focal depth of the surface portion of the source (SHEBALIN, 1974) calculated for the isoseismals of intensities X° and IX° using the method previously used for the normal depth is·

$$h_l = 6 \text{ Km}$$

A plan view and longitudinal and cross sections of the source model are shown in fig. 14. The relative parameter values have been estimated graphically and compared with values derived from Shebalin's relations (1974):

$$l_{xl} = (d_{10\,max} - d_{10\,min}) = 14 \text{ Km}$$

$$l_x = (d_{8\,max} - d_{8\,min} = 56 \text{ Km} \qquad \text{Az} = \text{N } 128° \text{ E}$$

$$\log l_{max} = 0.7\ M - 2.8 = 1.75 \qquad \text{for } M = 6.5$$
$$\text{from which } l_{max} = 56 \text{ Km}$$

$$l_z = 1.5\ (h_n - h_l) = 13.5 \text{ Km}$$
$$\log l_z = 0.3\ M - 0.8 = 1.15 \qquad \text{for } M = 6.5$$
$$\text{from which } l_z = 14 \text{ Km}$$

$$\text{tg } \vartheta = (h_n - h_l)/a = 9/5 = 1.8 \qquad \text{from which } \vartheta = 61°;$$

the graphically estimated fracture area is

$$S_o = 782 \text{ Km}^2$$

which is consistent with that calculated from the relation (SHEBALIN, 1974)

$$\log S_{oc} = M - 3.6 = 2.9 \qquad \text{from which } S_{oc} = 795 \text{ Km}^2;$$

the logarithmic rigidity

$$Q = M - \log S_o = 3.61$$

classifies the seismic event as a «normal earthquake».

5. - FINAL CONSIDERATIONS

The parameters of the regional macroseismic field presented herein confirm those obtained experimentally (BOTTARI et al., 1981). Also confirmed are the correlations with the structural geological framework reported in previous works (BOTTARI et al., 1981; BOTTARI et al., 1982). As shown by the macroseismic fields of the historical earthquakes, particularly in the Campano-Lucanian region there is a recurrent correlation between the extension of the mesoseismic area in an Apenninic direction (NW-SE) and preferential propagation in the external field. For some earthquakes (1732, 1851 and 1930) there is also a secondary preferential propagation

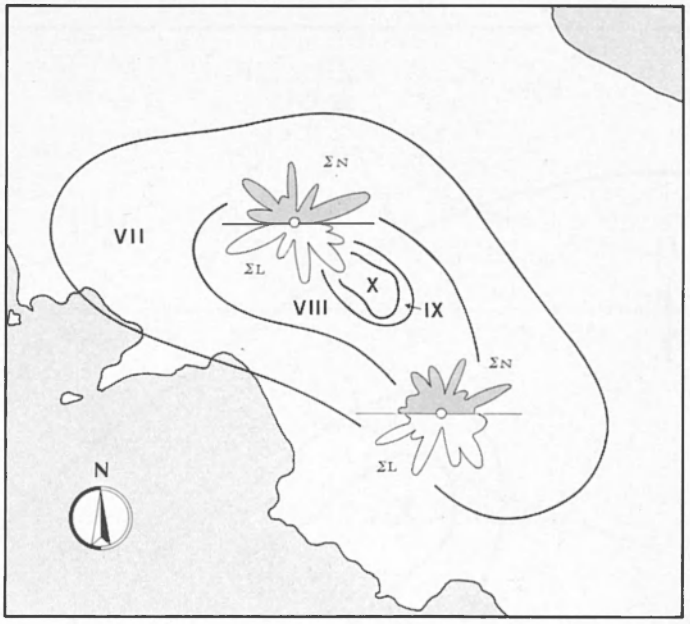


Fig. 10 - Rose diagrams of «shadow» lineaments (Wiss et al., 1979) in the Irpinia and in the Basilicata area.

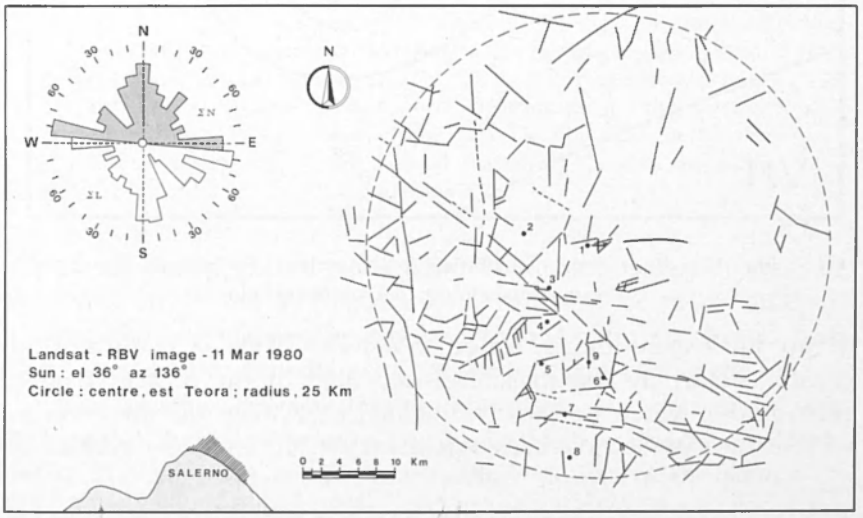


Fig. 11 - Lineaments with rose diagram taken from LANDSAT RBV. Localities: 1) Teora; 2) Lioni; 3) Caposele; 4) Calabritto; 5) Senerchia; 6) Colliano; 7) Oliveto Citra; 8) Contursi Terme; 9) Valva.

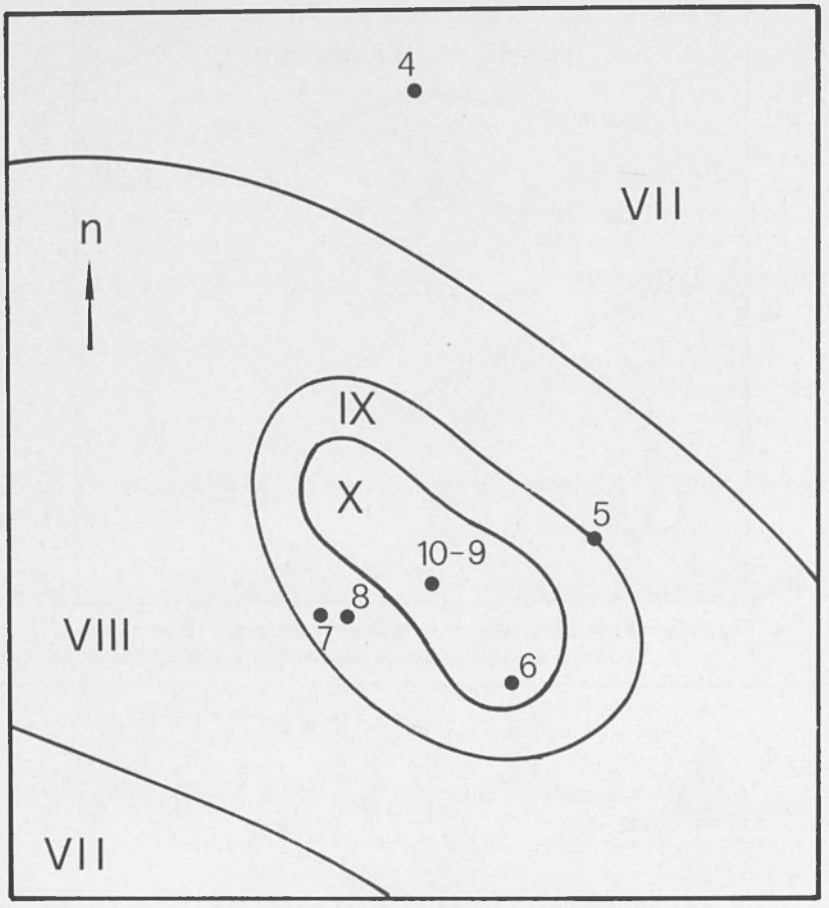


Fig. 12 - Barycentre distribution (real numbers) for each of the isoseismic areas in the macroseismic field.

in an anti-Apenninic direction (SW-NE)*. This is confirmed in greater detail by the mascroseismic field of the present Irpinia earthquake, which reveals a coincidence between the direction in which the mesoseismic area extends (I_o = X°) and the direction of

* The recurrence of this anomaly and particularly of the sickle shaped isoseismals with the concave side pointing towards the west points to the determining role played by the anti-Apennine structures on the Tyrrhenian side as opposed to what is found on the Adriatic side.

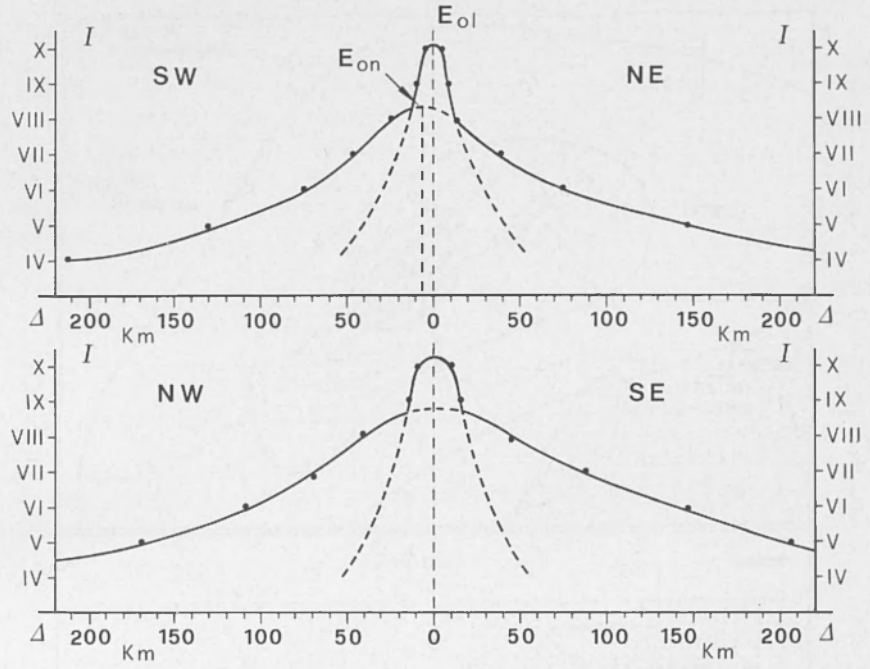


FIG. 13 - Plot of function I (Δ) in both directions — longitudinal (NW-SE) and transversal (NE-SW) — of the macroseismic field. Although limited to the area of the first two isoseimals, both sections show the surface effect determined by the vertical development of the source; the cross section also shows the different position of the normal epicentre E_{on} and the local epicentre E_{ol}.

maximum propagation (NW-SE). This circumstance may be observed up to the VI° isoseismal. From this point on different preferential directions appear, i.e. NNW to the north and SSE along the Calabro-Peloritano arc in the southern part of the field.

The source characterization completes the picture of our knowledge of the earthquake and lends itself to several considerations. The azimuth of the longitudinal section of the source (N 128° E) has been found to be very close to that of the strike of the fault plane proposed by various authors as the solution to the focal mechanism (Seismometric working group of 23-11-1980, 1981; CUSCITO and PANZA, 1981; GASPARINI C., 1981). The longitudinal

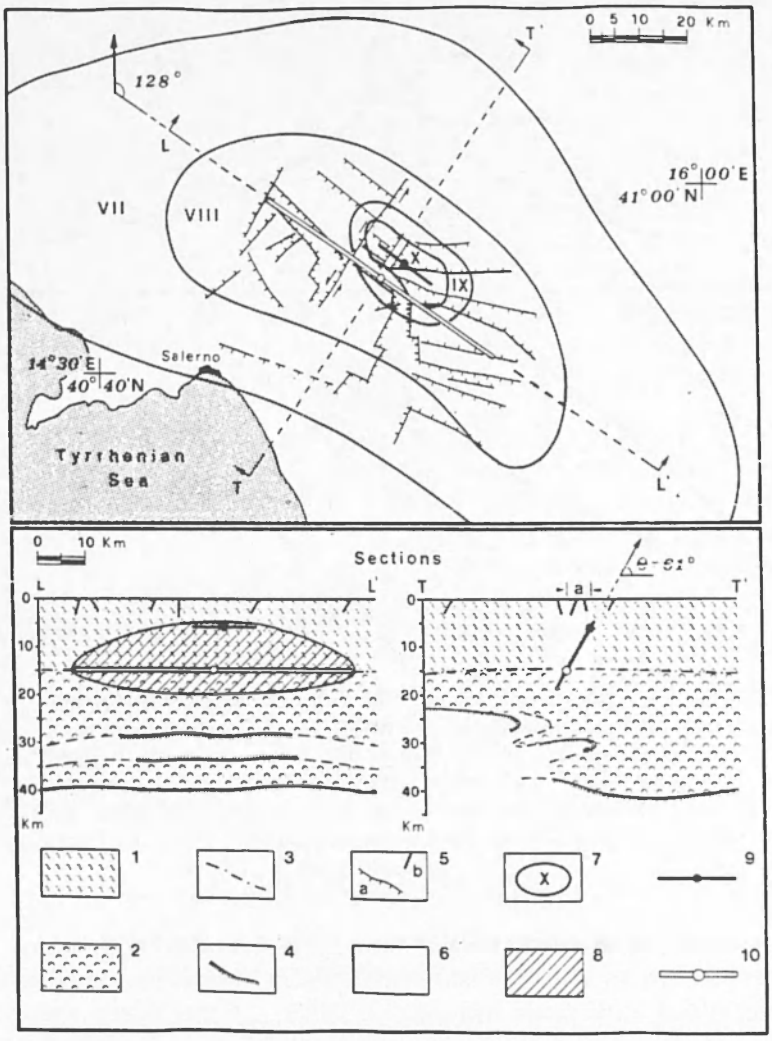


Fig. 14 - Schematic model of source.

1 - Upper crust; 2 - Lower crust with double crust/mantle transition; 3 - Upper/lower crust transition; 4 - Crust/mantle transition (after COLOMBI et al., 1979); 5 - Plio-quaternary faults: *a)* on map, *b)* in sections (after ORTOLANI and TORRE 1981); 6 - Higher density area of structural linear elements with regional character; 7 - Isoseismal lines; breaking surface of main fault; 9 - Centre and horizontal extension of the upper part of the source; 10 - Centre and horizontal extension of the lower part of the source.

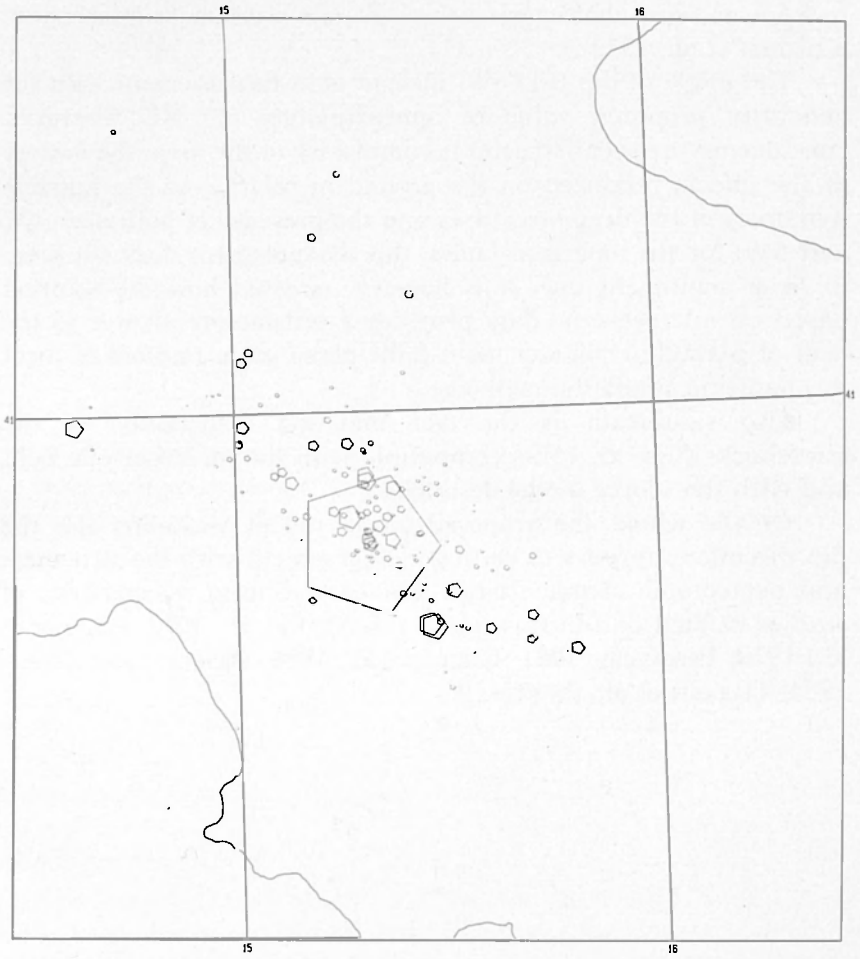


Fig. 15 - Distribution of aftershocks from 23-11-80 until 31-12-80. The greatest pentagon represents the position of main event.

extension of the source and its comparatively small vertical development seem quite justified by the geoseismotectonic situation prevailing in the Irpinia region. In particular the lower limit (18.5 — 20 Km) of the source studied coincides with the limit of the known depths of the earthquakes occurring in the same region (De Vivo et al., 1979) and with the transition from the upper crust

to a lower crust characterized by a double crust/mantle transition (COLOMBI et al., 1979).

The angle of dip (61° SW) instead is in disagreement with the generally proposed value of approximately 65° NE. However, considering the great structural complexity of the area, the variety of the effects produced on the ground in relation to the possible dynamics of the deep structures and the presence of both dips (NE and SW) for the emergent faults, this disagreement does not seem to be a significant one. It is however stressed how the solution based on microseismic data provides a satisfactory answer to the lack of a single choice of main fault plane often implied in focal mechanism calculation methods.

Also significant is the fact that the distribution of the aftershocks (figs 15, 16) is compatible with the macroseismic field and with the source model described.

On the whole, the proposed source model, including also the dip direction, appears to be in good agreement with the structural and neotectonic characteristics that emerge from the majority of studies carried out on this region (DE VIVO et al., 1979; COLOMBI et al., 1979; PESCATORE, 1981; CINQUE et al., 1981; ORTOLANI and TORRE, 1981; CIARANFI et al., [in press]).

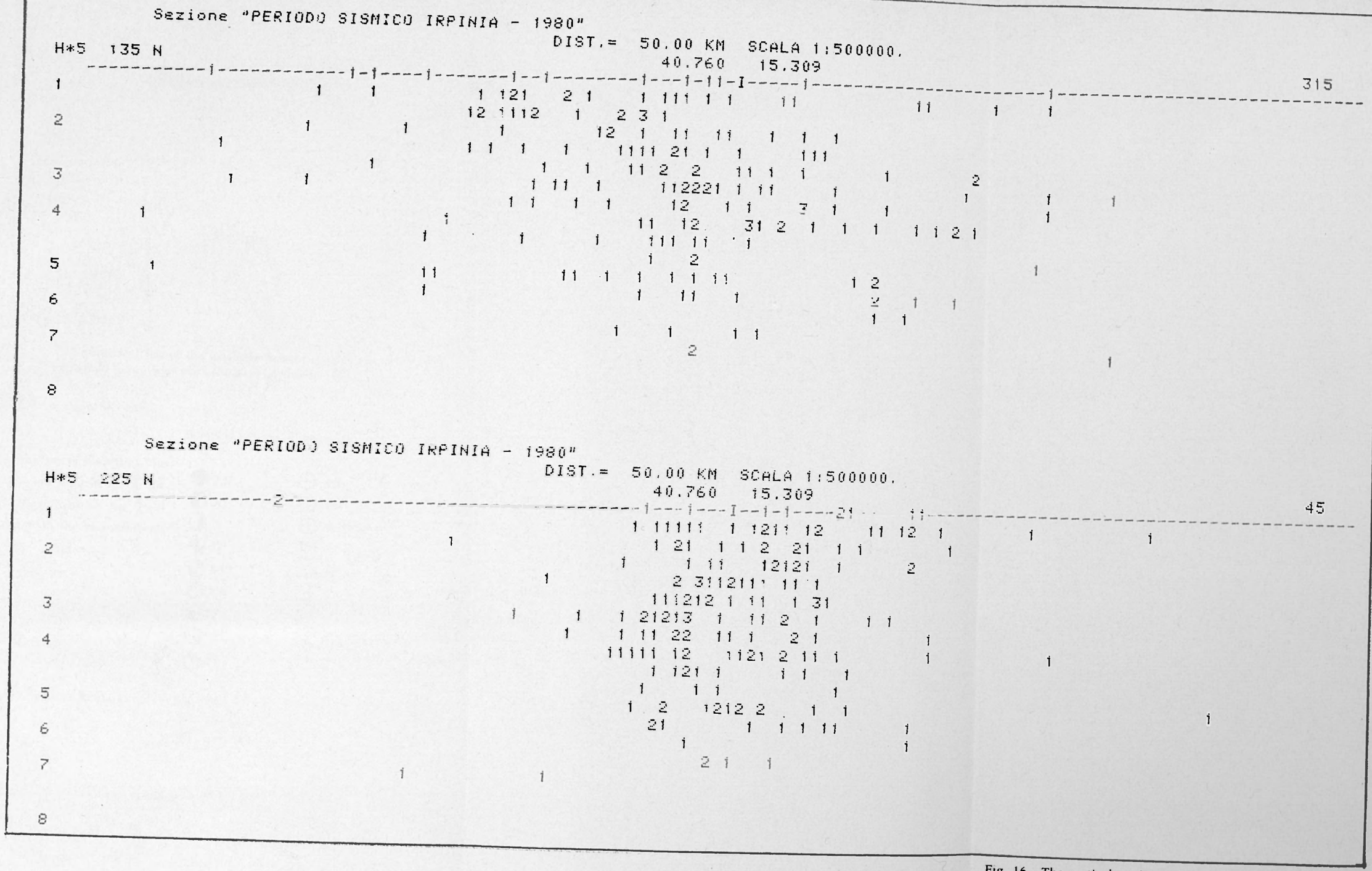


Fig. 16 - The vertical sections oriented NW-SE and SW-NE, show the depths distribution of the events.

APPENDIX

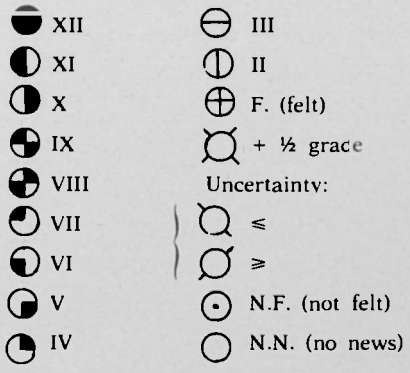
LIST OF LOCALITIES

CODE: The numerical list of the localities follows the criteria explained in previous work (BOTTARI-LO GIUDICE, 1982).

GRADE: of the MSK-scale

In the list of localities the grades are indicated with the arabic numerals, the half-grade with the two numbers, ≤ with — and ≥ with +.

Symbols caption in the maps



NOTE: Sources Remarks

G: Data by macroseismic geodvnamic Group
M: Macroseimic cards
B: Both (G-M)

MAP : 1 : Localities mapped in scale 1 : 1.000.000
5 : » » » » 1 : 500.000
2 : » » » » 1 : 200.000

EMILIA-ROMAGNA - H

CODE	LOCALITY	GRADE	NOTE	MAP
001	FORLI	3	M	1
002	ARCANGELO DI ROMAGNA	4	M	1
003	GATTEO	3	M	1
004	FERRARA	3	M	1
005	COMACCHIO	3	M	1
006	CASUMARO	NF	M	1
007	VIGNOLA	NF	M	1
008	FELICE S.	NF	M	1
009	REGGIO EMILIA	NF	M	1
010	SCANDIANO	3	M	1
011	VILLA MINOZZO	3	M	1
012	PARMA	NF	M	1
013	TIZZANA	4	M	1
014	RAVENNA	3	M	1
015	CONSELICE	3	M	1
016	LAVEZZOLA	3	M	1
017	BAGNACAVALLO	3	M	1
018	BOLOGNA	3	M	1
019	MOLINELLA	3	M	1
020	IMOLA	3	M	1
021	GIOVANNI IN PERSICETO S.	3	M	1
022	AGATA BOLOGNESE S.	NF	M	1
023	VEZZANO SUL CROSTALO	NF	M	1
024	CARPINETI	NF	M	1
025	CASTELNUOVO NE' MONTI	NF	M	1
026	PIACENZA	NF	M	1
027	FARINI D'OLMO	NF	M	1
028	BOBBIO	NF	M	1
029	OTTONE	NF	M	1
030	BORGONAVO VAL TIDONE	NF	M	1
031	MONTICELLI D'ONGINA	NF	M	1
032	MODENA	NN	—	1

TOSCANA - L

CODE	LOCALITY	GRADE	NOTE	MAP
001	ISOLA DEL GIGLIO	NF	M	1
002	ROCCASTRADA	NF	M	1
003	ALBINIA	3	M	1
004	CAPALBIO	NF	M	1
005	MONTIERI	NF	M	1
006	FIORA S.	NF	M	1
007	ARCIDOSSO	NF	M	1
008	MONTE PULCIANO	3	M	1
009	PIAN-CASTAGNAIO	3	M	1
010	SIENA	NF	M	1
011	CAPOLONA	NF	M	1
012	POPPI	NF	M	1
013	SUBBIANO	NF	M	1
014	CASTIGLION FIORENTINO	NF	M	1
015	CORTONA	3	M	1
016	VOLTERRA	NF	M	1
017	LUCCA	3	M	1
018	CAPANNORI	3	M	1
019	FORNACI DI BARGA	NF	M	1
020	FORTE DEI MARMI	NF	M	1
021	LIVORNO	NF	M	1
022	PIOMBINO	NF	M	1
023	ROSIGNANO SOLVAY	3	M	1
024	CARRARA	NF	M	1
025	AULLA	NF	M	1
026	VILLAFRANCA IN LUNIGIANA	NF	M	1
027	FIRENZE	3	M	1
028	EMPOLI	3	M	1
029	MASSA CARRARA	NN	M	—
030	PISTOIA	NN	M	—
031	PISA	NN	M	—
032	AREZZO	NN	M	—
033	GROSSETO	NN	M	—

MARCHE - M

CODE	LOCALITY	GRADE	NOTE	MAP
001	ACQUAVIVA PICENA	4	M	1
002	AGUGLIANO	4	M	1
003	APIRO (CINGOLI)	NF	M	1
004	APPIGNANO	4	M	1
005	BELFORTE SUL CHIENTI	NF	M	—
006	CAMERANO	4	M	1
007	CAMPOROTONDO DI FIASTRONE	NF	M	—
008	CARASSAI	4	M	1
009	CASTEL COLONNA	4	M	1
010	CASTELFIDARDO	4	M	1
011	CASTORANO	3-4	M	—
012	CINGOLI	3-4	M	1
013	CIVITANOVA MARCHE	4	M	1
014	COLMURANO	4	M	1
015	CORINALDO	3-4	M	1
016	CORRIDONIA	4	M	1
017	COSSIGNANO	4	M	1
018	CUPRA MARITTIMA	4	M	1
019	FILOTTRANO	4	M	1
020	GROTTAMARE	4	M	1
021	LORETO	4	M	1
022	LORO PICENO	4	M	—
023	MACERATA	4-5	M	1
024	MARZOCCA	3-4	M	1
025	MASSIGNANO	4	M	—
026	MOGLIANO	3	M	—
027	MONSAMPOLO DEL TRONTO	3	M	—
028	MONTALTO MARCHE	3	M	1
029	MONTECASSIANO	4	M	1
030	MONTECOSARO	4	M	1
031	MONTEDINOVE	3	M	—
032	MONTEFANO	4	M	—
033	MONTE LUPONE	3-4	M	—
034	MONTEPRANDONE	4	M	—
035	MONTERADO	4	M	—
036	MONTE S. GIUSTO	4	M	1
037	MONTE S. MARTINO	3-4	M	1
038	MORROVALLE	NF	M	—
039	NUMANA	4	M	1
040	OFFAGNA	4	M	—
041	OFFIDA	3	M	1
042	OSIMO	4	M	1
043	PENNA S. GIOVANNI	4	M	—
044	PETRIOLO	3-4	M	1
045	POLLENZA	4	M	—
046	POLVERIGI	4	M	—
047	PORTO RECANATI	4	M	1
048	PORTO POTENZA PICENA	4	M	1
049	POTENZA PICENA	4	M	1
050	RECANATI	4	M	1
051	RIPATRANSONE	4	M	1
052	RIPE	4	M	—
053	RIPE S. GINESIO	4	M	1
054	SIROLO	4	M	—
055	SPINETOLI	3-4	M	1
056	S. ANGELO IN PONTANO	4	M	—
057	S. BENEDETTO DEL TRONTO	4	M	1
058	TOLENTINO	3	M	1
059	TREIA	3-4	M	1

segue

segue Marche

CODE	LOCALITY	GRADE	NOTE	MAP
060	URBISAGLIA	4	M	1
061	PINOCCHIO	3	M	1
062	FABRIANO	3	M	1
063	CHIANELLO VALLESINA	3	M	—
064	FERMO	4	M	1
065	MONTE GIORGIO	4	M	1
066	CASTEL DI LAMA	4	M	1
067	MONTEGRANARO	3-4	M	1
068	URBANIA	NF	M	1
069	FERMIGNANO	3	M	1
070	PERGOLA	3	M	1
071	ACQUASANTA TERME	NF	M	1
072	APPIGNANO DEL TRONTO	3	M	—
073	MALTIGNANO	NF	M	—
074	MONTEGALLO	NF	M	—
075	CASTIGNANO	NF	M	—
076	ARQUATA DEL TRONTO	4	M	1
077	ASCOLI PICENO	NF	M	—
078	VENAROTTA	NF	M	—
079	MONTEGIORGIO	4	M	1
080	VITTORIA IN MANTENANO S.	4	M	1
081	MONTE S. PIETRANGELI	4	M	—
082	AMANDOLA	4	M	—
083	FORCE	4	M	1
084	COMUNANZA	4	M	—
085	SERVIGLIANO	4	M	—
086	MONTEMONACO	4	M	—
087	FALERONE	4	M	—
088	MONTOTTONE	4	M	1

UMBRIA - N

CODE	LOCALITY	GRADE	NOTE	MAP
001	ACQUASPARTA	+ NF	M	1
002	ALLERONA	NF	M	—
003	AMELIA	+ NF	M	1
004	ARRONE	NF	M	—
005	ASSISI	4	M	1
006	BASCHE	+ NF	M	1
007	BASTIA UMBRA	3	M	1
008	BETTONA	NF	M	—
009	BEVAGNA	4	M	1
010	CALVI D'UMBRIA	+ NF	M	1
011	CAMPELLO SUL CLITUNNO	NF	M	—
012	CANNARA	3	M	1
013	CASCIA	+ NF	M	1
014	CASENOVE	+ NF	M	1
015	CASTEL DEL PIANO UMBRO	NF	M	—
016	CASTEL GIORGIO	NF	M	—
017	CASTEL RITALDI	NF	M	—
018	CASTEL VISCARDO	3	M	1
019	CERRETO DI SPOLETO	NF	M	—
020	CITERNA	NF	M	—
021	CITTA DI CASTELLO	4	M	1
022	COLLAZZONE	4	M	1
023	COLLESCIPOLI DI TERNI	NF	M	—
024	COLLESTATTE	NF	M	1
025	COSCIANO	NF	M	—
026	DERUTA	NF	M	—
027	FABRO	4	M	1
028	FERENTILLO	+ NF	M	1
029	FICULLE	NF	M	1
030	FOLIGNO	4	M	1
031	FORTEBRACCIO	NF	M	—
032	FOSSATO DI VICO	NF	M	—
033	GIANO DELL'UMBRIA	NF	M	—
034	GIOVE	NF	M	—
035	GUALDO CATTANEO	4	M	1
036	GUALDO TADINO	NF	M	1
037	GUARDEA	NF	M	—
038	GUBBIO	3	M	—
039	LUGNANO IN TEVERINA	+ NF	M	1
040	MARSCIANO	3	M	1
041	MASSA MARTANA	+ NF	M	1
042	MONTECASTELLO VIBIO	3	M	1
043	MONTECASTRILLI	NF	M	—
044	MONTECCHIO - PG.	NF	M	—
045	MONTEFALCO	4	M	1
046	MONTEGABBIONE	NF	M	—
047	MONTELEONE D'ORVIETO	4	M	1
048	MONTELEONE DI SPOLETO	NF	M	—
049	MONTE S. M. TIBERINA	NF	M	—
050	MUGNANO - PG.	NF	M	1
051	NARNI	+ NF	M	1
052	NOCERA UMBRA	+ NF	M	1
053	NORCIA	4	M	1
054	ORVIETO	4	M	1
055	OTRICOLI	+ NF	M	1
056	PAPIGNO (MARMORE)	NF	M	—
057	PARRANO	4	M	1
058	PASSIGNANO SUL TRASIMENO	NF	M	1
059	PERUGIA	3	M	1

segue

segue Umbria

CODE	LOCALITY	GRADE	NOTE	MAP
060	PETRIGNANO D'ASSISI	4	M	1
061	PIEDILUCO DI TERNI	NF	M	—
062	PIETRALUNGA	NF	M	1
063	PONTE S. GIOVANNI	4	M	1
064	PORANO	NF	M	—
065	PRECI	NF	M	—
066	GEMINI, S.	+ NF	M	1
067	GIUSTINO, S.	NF	M	—
068	ANATOLIA DI NARCO, S.	NF	M	—
069	MARIA DEGLI ANGELI, S.	4	M	—
070	VENANZO, S.	3	M	1
071	SCANZANO	NF	M	—
072	SCHEGGIA	NF	M	1
073	SELLANO	+ NF	M	1
074	SIGILLO	NF	M	—
075	SPELLO	4	M	1
076	SPINA	NF	M	—
077	SPOLETO	+ NF	M	1
078	STRONCONE	NF	M	—
079	TERNI	NF	M	1
080	TODI	4	M	1
081	TORGIANO	NF	M	—
082	TRESTINA	4	M	1
083	TREVI	3	M	1
084	TUORO SUL TRASIMENO	NF	M	1
085	UMBERTIDE	NF	M	1
086	VALFABBRICA	NF	M	1
087	VALTOPINA	4	M	1
088	FONTIGNANO (MUGNANO)	NF	M	—
089	MONTEPETRIOLO (PIETRAFITTA)	NF	M	—
090	PILONICO MATERNO	NF	M	1

LAZIO - P

CODE	LOCALITY	GRADE	NOTE	MAP
001	ACQUAFONDATA	4	M	1 5
002	AFFILE	NF	M	—
003	AGOSTA	NF	M	1
004	ALBANO LAZIALE	4	M	1
005	ANZIO	4	M	1
006	LAVINIO, LIDO DI ENEA	4	M	—
007	ARSOLI	4	M	1
008	ATINA	5	M	1 5
009	AUSONIA	5	M	1 5
010	BELLEGRA	4-5	M	—
011	BOMARZO	4	M	—
012	BORGO PODGORA	4	M	—
013	CAMERATA NUOVA	4	M	1
014	CAMPOVERDE (APRILIA)	3	M	—
015	CAPENA	4	M	1
016	CASALVIERI	5	M	1
017	CASSINO	5	M	1 5
018	CASTEL GANDOLFO	4	M	—
019	CASTELFORTE	5	M	1 5
020	CASTEL MADAMA	3	M	1
021	CELLENO	3	M	—
022	CERVARO	5	M	1 5
023	CIAMPINO	4	M	1
024	CICILIANO	4	M	1
025	CISTERNA DI LATINA	4	M	1
026	FIANO ROMANO	4	M	1
027	FONDI	5	M	1
028	FONTANA LIRI	4	M	—
029	FORMIA	5	M	1
031	FRATTOCCHIE (ROMA)	4	M	—
032	FROSINONE	4	M	1
033	GAETA	5	M	1
034	GALLICANO	4	M	—
035	GERANO	4	M	—
036	GRAFFIGNANO	4	M	1
037	GROTTE S. STEFANO	3	M	1
038	IENNE	NF	M	—
039	ISOLA DEL LIRI	5	M	1
040	ITRI	5	M	1
041	LATINA	4	M	1
042	LENOLA	5	M	1
043	LICENZA	3	M	—
044	MAENZA	NF	M	—
045	MARCELLINA	4	M	1
046	MARINO	4	M	1
047	MINTURNO	4	M	1 5
048	MONTE LIBRETTI	4	M	1
049	PALOMBARA SABINA	4	M	1
050	PERCILE	3	M	—
051	PICINISCO	5	M	1
052	PIEDIMONTE S. GERMANO	5	M	5
053	PIGLIO	+4	M	1
054	PRIVERNO	4	M	1
055	PROSSEDI	NF	M	—
056	RIOFREDDO	3	M	—
057	ROCCAGIOVINE	3	M	—
058	ROCCAGORGA	4	M	1
059	ROCCASECCA DEI VOLSCI	NF	M	—

segue

segue Lazio

CODE	LOCALITY	GRADE	NOTE	MAP
060	ROMA CELIO	NF	M	—
061	SETTEBAGNI (MENTANA)	4	M	—
062	SONNINO	3	M	1
063	SORA	5	M	1
064	SPERLONGA	5	M	1
065	APOLLINARE S.	5	M	1 5
066	COSMA E DAMIANO, S.S.	4	M	5
067	DONATO VAL DI COMINO, S.	5	M	1
068	ELIA FIUMERAPIDO S.	4-5	M	5
069	GIORGIO DEL LIRI, S.	4-5	M	1 5
070	SUBIACO	4	M	1
071	TERRACINA	5	M	1
072	TIVOLI BAGNI	4	M	1
073	VALLEPIETRA	NF	M	—
074	VALLEROTONDA	4-5	M	—
075	VENTOTENE, ISOLA	5	M	1
076	VICOVARO	4	M	1
077	AQUINO	5	M	1 5
078	ARCE	3-4	M	—
079	CASTEL S. ELIA	4	M	—
080	CEPRANO	5	M	1
081	ESPERIA	5	M	1 5
082	FABRICA DI ROMA	4	M	—
083	FALERIA	4	M	—
084	MONTEROSI	4	M	1
085	NEPI	4	M	1
086	ORTE	4	M	1
087	PICO	5	M	1
088	PONTECORVO	4-5	M	1
089	ROCCASECCA	5	M	1
090	GIOVANNI INCARICO, S.	4	M	—
091	STRANGOLA GALLI	4	M	—
092	VASANELLO	3-4	M	—
093	POGGIO MIRTETO	+4	M	1
094	RIETI	4	M	1
095	NETTUNO	4	M	1
096	OSTIA LIDO	4	M	1
097	LANUVIO	4	M	1
098	ZAGAROLO	5	M	1
099	ROMA, CENTRO	NN	—	—
100	MONTEFIASCONE	NF	M	1
101	ACQUAPENDENTE	NF	M	1
102	ARLENA DI CASTRO	3	M	1
103	BORGO PIAVE	4	M	—
104	ALATRI	4	M	1
105	POFI	4-5	M	1
106	MOROLO	4	M	1
107	CANTALICE	3	M	—
108	PASSO CORESE	4	M	1
109	CAPRAROLA	3	M	1
110	BOLSENA	3	M	1
111	VITERBO	3-4	M	1
112	MARIA INFANTE, S.	NN	M	—
113	VITTORE DEL LAZIO, S.	4	M	1 5
114	BIAGIO SARACINESCO S.	4	M	1 5
115	PASTENA	4	M	—

ABRUZZO - Q

CODE	LOCALITY	GRADE	NOTE	MAP
001	ALANNO	5	M	—
002	ALBA ADRIATICA	4	M	1
003	ALFEDENA	+4	M	1
004	ALTINO	5	M	—
005	ANVERSA DEGLI ABRUZZI	NF	M	—
006	ARIELLI	4	M	—
007	ATELETA	5	M	1
008	AVEZZANO	4	M	1
009	BELLANTE	4	M	1
010	BUCCHIANICO	5	M	1
011	CAMPI	4	M	—
012	CAMPO DI GIOVE	5	M	1
013	CAPESTRANO	4	M	1
014	CAPISTRELLO	4	M	1
015	CAPPADOCIA	NF	M	—
016	CASACANDITELLA	4	M	—
017	CASALANGUIDA	5	M	—
018	CASALBORDINO	5	M	—
019	CASALINCONTRADA	4-5	M	—
020	CASOLI	4	M	1
021	CASTEL DI SANGRO	4	M	1
022	CASTELFRENTANO	5	M	—
023	CASTELVECCHIO SUBEQUO	4	M	1
024	CASTIGLIONE M.M.	5	M	1
025	CATIGNANO	5	M	1
026	CELANO	4	M	1
027	CELENZA SUL TRIGNO	4	M	—
028	CERCHIO	4	M	—
029	CHIETI	5	M	1
030	CIVITALUPARELLA	4	M	—
031	CITITAQUANA	4	M	—
032	CIVITELLA CASANOVA	4	M	—
033	CIVITELLA DEL TRONTO	4	M	1
034	CIVITELLA MESSER RAIMONDO	5	M	—
035	CIVITELLA ROVETO	4	M	1
036	COCULLO	NF	M	—
037	COLLARMELE	4	M	—
038	COLLECORVINO	4	M	—
039	COLLEDIMACINA	4	M	—
040	COLONNELLA	4	M	—
041	CORROPOLI	4	M	—
042	CUPELLO	5	M	1
043	FALLO	5	M	—
044	FARINDOLA	4	M	—
045	FARA S. MARTINO	5	M	—
046	FONTECCHIO	4	M	—
047	FRANCAVILLA AL MARE	5	M	1
048	FRESAGRANDINARIA	5	M	—
049	FURCI	5	M	—
050	GAMBERALE	4	M	—
051	GESSOPALENA	5	M	1
052	GIOIA DEI MARSI	4-5	M	1
053	GISSI	5	M	—
054	GORIANO SICOLI	5	M	—
055	GUARDIAGRELE	5	M	1
056	INTRODACOUA	4	M	—
057	LAMA DEI PELIGNI	5	M	1
058	LANCIANO	5	M	1
059	LETTOPALENA (PALENA)	5	M	—

segue

segue Abruzzo

CODE	LOCALITY	GRADE	NOTE	MAP
060	LORETO APRUTINO	4	M	1
061	LUCO DEI MARSI	4	M	—
062	MAGLIANO DEI MARSI	4	M	—
063	MARTINSICURO	4	M	—
064	MIGLIANICO	4	M	—
065	MONTENERODOMO	5	M	—
066	MONTAZZOLI	5	M	—
067	NAVELLI	4	M	—
068	NERETO	4	M	1
069	ORTONA	5	M	1
070	ORTONA DEI MARSI	4	M	—
071	ORSOGNA	5	M	—
072	ORTUCCHIO	5	M	—
073	OVINDOLI	4	M	1
074	PACENTRO	4	M	—
075	PAGLIETA	5	M	1
076	PALENA	4-5	M	1
077	PALMOLI	5	M	—
078	PALOMBARO	4-5	M	—
079	PENNADOMO	5	M	—
080	PENNE	4	M	1
081	PESCASSEROLI	3	M	—
082	PESCINA	4	M	1
083	PESCOCOSTANZO	4-5	M	—
084	PETTORANO SUL GIZIO	5	M	1
085	PIANELLA - PE.	4-5	M	—
086	PIETRANICO	5	M	—
087	PIZZOFERRATO	4	M	—
088	POGGIOFIORITO	4-5	M	—
089	POPOLI	5	M	1
090	PRATOLA PELIGNA	5	M	1
091	ROCCA PIA	4	M	—
092	RAIANO	4	M	—
093	RAPINO	4	M	—
094	ROCCA DI MEZZO	4	M	1
095	ROCCARASO	4-5	M	1
096	ROCCASCALEGNA	5	M	—
097	ROCCASPINALVETI	5	M	—
098	ROSCIANO	5	M	1
099	SCANNO	5	M	1
100	SCERNE	4	M	1
101	SECINARO	4	M	—
102	SCHIAVI DI ABRUZZO	5	M	1
103	SCURCOLA MARSICANA	4	M	—
104	BENEDETTO DEI MARSI, S.	4	M	—
105	BUONO, S.	4	M	1
106	EGIDIO ALLA VIBRATA, S.	4	M	1
107	SALVO, S.	5	M	—
108	EUSANIO DEL SANGRO, S.	5	M	—
109	VINCENZO VALLE ROVETO, S.	5	M	1
110	VITO CHIETINO, S.	5	M	1
111	SULMONA	5	M	1
112	TAGLIACOZZO	4	M	1
113	TARANTA PELIGNA	4-5	M	—
114	TOLLO	4	M	—
115	TORINO DI SANGRO	4-5	M	—
116	TORRICELLA PELIGNA	5	M	—
117	TORTORETO	4	M	—
118	TRASACCO	5	M	1

segue

segue Abruzzo

CODE	LOCALITY	GRADE	NOTE	MAP
119	VASTO	5	M	1
120	VILLAMAGNA	5	M	—
121	VILLETTA BARREA	4	M	—
122	PIANURA AL VOMANO	3	M	—
123	L'AQUILA	4	M	1
124	MONTORIO AL VOMANO	4	M	1
125	MONTEFINO	4	M	1
126	ATRI	4	M	1
127	NICOLO TORDINO, S. (ZACCHEO)	3	M	—
128	TORRICELLA SICURA	3-4	M	1
129	TERAMO	3	M	1
130	CELLINO ATTANASIO	4	M	1
131	PESCARA	5	M	1
132	CITTA S. ANGELO	4-5	M	1
133	ATESSA	5	M	1
134	TORREBRUNA	4	M	1
135	GIOVANNI LIPIONI, S.	4	M	—
136	AIELLI	4	M	—
137	PICCIANO	4	M	—
138	MOSCUFO	4	M	—
139	MASSA D'ALBE	4	M	—
140	GIULIANO TEATINO	4	M	—
141	TORANO NUOVO	4	M	—
142	OMERO, S.	4	M	—
143	MONTEBELLO DI BERTONA	4	M	—
144	CEPAGATTI	4-5	M	1
145	PRETORO	4	M	—
146	FARA FILIORUM PETRI	4	M	—
147	VILLALAGO	4	M	—
148	CANOSA SANNITA	4	M	—

MOLISE - R

CODE	LOCALITY	GRADE	NOTE	MAP
001	ISERNIA	5	M	1 5
002	CARPINONE	5	M	1 5
003	PESCHE	NN	M	—
004	MONTERODUNI	5	M	5
005	MIRANDA	NN	M	—
006	FORNELLI	NN	M	—
007	CAMPOMARINO	5	M	1
008	CAMPOLIETO	5	M	5
009	CANTALUPO	+5	M	1 5
010	CAPRACOTTA	5	M	1
011	FERRAZZANO	6	M	1 5
012	CASACALENDA	6	M	1
013	CASTELMAURO	5	M	1
014	CASTEL S. VINCENZO	5	M	1
015	CASTROPIGNANO	5	M	1 5
016	CERCEMAGGIORE	+5	M	1 5
017	CIVITACAMPOMARANO	6	M	1
018	COLLETORTO	6	M	—
019	COLLI A VOLTURNO	5	M	1 5
020	FILIGNANO	5	M	5
021	FROSOLONE	5	M	1 5
022	GAMBATESA	6	M	1 5
023	GUARDIALFIERA	5	M	1
024	GUARDIAREGIA	6	M	1 5
025	GUGLIONESI	5	M	1
026	IELSI	+5	M	1 5
027	ANGELO DEL TESIO, S.	5	M	—
028	LARINO	5	M	1
029	LIMOSANO	NN	M	—
030	LUCITO	5	M	1
031	MACCHIAGODENA	5	M	5
032	MACCHIA VALFORTE	5	M	1 5
033	MAFALDA	5	M	1
034	MATRICE	6	M	1 5
035	MIRABELLO SANNITICO	6	M	1 5
036	MONTAGANO	6	M	1
037	MONTAQUILA	5	M	5
038	MONTECILFONE	5	M	—
039	MONTEFALCONE DEL SANNIO	4	M	1
040	MONTELONGO	6	M	—
041	MONTENERO DI BISACCIA	4	M	1
042	VINCHIATURO	5	M	5
043	PALATA	5	M	1
044	PESCOLANCIANO	5	M	1
045	PETACCIATO	5	M	1
046	PETRELLA TIFERNINA	5	M	—
047	PIETRABBONDANTE	5	M	1
048	PORTACANNONE	5	M	—
049	RICIA	4	M	5
050	RIPABOTTONI	6	M	1
051	RIPALIMOSANO	5	M	5
052	ROTELLO	5	M	—
053	SEPINO	6	M	1 5
054	CROCE DI MAGLIANO, S.	6	M	—
055	ELENA SANNITA, S.	5	M	5
056	GIULIANO DEL SANNIO, S.	6	M	1
057	MARTINO IN PENSILIS, S.	5	M	1
058	TERMOLI	5	M	1
059	TORELLA DEL SANNIO	5	M	1

segue

segue Molise

CODE	LOCALITY	GRADE	NOTE	MAP
060	TORO	5	M	5
061	TRIVENTO	5	M	1
062	URURI	5	M	1
063	VENAFRO	5	M	1 5
064	ROCCAMANDOLFI	+5	M	1 5
065	CASTELPETROSO	+5	M	5
066	GIULIANO DI PUGLIA, S.	6	M	—
067	CERCEPICCOLA	5	M	5
068	AGNONE	5	M	1
069	BAGNOLI DEL TRIGNO	5	M	1
070	BARANELLO	6	M	1 5
071	BOIANO	6	M	1 5
072	BONEFRO	6	M	1
073	CAMPOBASSO	6	M	1 5
074	POGGIO SANNITA	5	M	—

CAMPANIA - S

CODE	LOCALITY	GRADE	NOTE	MAP
001	PISCIOTTA	6	B	—
002	SALERNO	6-7	M	1 5 2
003	POMPEI	7	G	5 2
004	NAPOLI	6-7	M	1 5
005	CONTURSI	7	B	1 5 2
006	MARINA, S.	NN	—	—
007	VIBONATI	6	M	—
008	POLLINA	NN	—	—
009	CAGGIANO	8	B	5 2
010	CAMEROTA	5-6	M	1
011	SANZA	6	B	1 5
012	VALLO LUCANIA	6	B	1 5
013	LAURINO	6	B	1 5
014	CASTELLABATE	6	M	5
015	SALA CONSILINA	7	B	5 2
016	TORCHIARA	6	M	5
017	CAPACCIO	6	B	1 5 2
018	POSTIGLIONE	7	B	1 5 2
019	EBOLI	7	B	1 5 2
020	CAMPAGNA	7	B	1 5 2
021	CALABRITTO	9	B	1 5 2
022	LAVIANO	10	B	1 5 2
023	ANGELO DI LOMBARDI, S.	10	B	1 5 2
024	AVELLINO	8	B	5 2
025	CAPRI	NN	—	—
026	MONTEFORTE CILENTO	6	M	1 5
027	MONTORO UP	8	B	5 2
028	MERCOGLIANO	8	B	5 2
029	ZUNGOLI	7	M	5 2
030	ATRIPALDA	8	B	5 2
031	ALTAVILLA SILENTINA	6-7	M	1 5 2
032	SOLOFRA	8	G	1 5 2
033	CASERTA	NN	—	—
034	BENEVENTO	7	M	1 5 2
035	CASTELLAMMARE DI STABIA	7	B	1 5 2
036	NOCERA INFERIORE	7	B	5 2
037	CAVA DEI TIRRENI	7	B	1 5 2
038	MONTEFORTE IRPINO	8	M	1 5 2
039	MONTELLA	8	B	1 5 2
040	PATERNOPOLI	8	B	1 5 2
041	CALITRI	8	B	1 5 2
042	ROCCA D'ASPIDE	6	M	1 5 2
043	OLIVETO CITRA	7	G	5 2
044	ACERNO	8	B	1 5 2
045	RICIGLIANO	8	B	1 5 2
046	POLLA	8	B	1 5 2
047	RUFO, S.	7-8	B	1 5 2
048	GIOI	6	M	1 5
049	MAIORI	6	B	1 5 2
050	SAPRI	6	M	1
051	POLICASTRO	NN	B	—
052	PADULA	7	B	1 5
053	CASALBUONO	6	M	1 5
054	LAURITO	6	M	5
055	AULETTA	8	B	1 5 2
056	ATENA LUCANA	7-8	B	1 5 2
057	TEGGIANO	7	B	1 5
058	ARSENIO, S.	8	B	5 2
059	MONTESANO SULLA MARCELLANA	6-7	B	1 5

segue

segue Campania

CODE	LOCALITY	GRADE	NOTE	MAP
060	PIETRO AL TANAGRO, S.	8	M	5 2
061	CAMALDOLI (CONTURSI)	7	G	5 2
062	CAPO SELE	9	B	5 2
063	MATERDOMINI (CAPO SELE)	8	G	5 2
064	GALDO	7	B	5 2
065	OPPIDI (CAMPAGNA)	6	G	5 2
066	PERSANO	5	G	1 5 2
067	PONTECAGNANO	7	M	5 2
068	SASSANO	7	B	5
069	SENERCHIA	9	G	5 2
070	SCORZO	7	B	5 2
071	SERRA D'ARCE (CAMPAGNA)	7	G	1 2
072	SICIGNANO D'ALBURNI	7	B	1 5 2
073	VALVA	8	G	1 5 2
074	COLLIANO	7-8	G	5 2
075	COLLIANELLO (COLLIANO)	6-7	G	2
076	CASTELNUOVO DI CONZA	10	G	5 2
077	SANTOMENNA	10	G	5 2
078	QUAGLIETTA	8	G	5 2
079	CONCA DELLA CAMPANIA	−7	M	5
080	ROCCAMONFINA	−7	M	1 5
081	LAURO (QUINDICI)	7	B	2
082	CELLOLE	6	M	1 5
083	VAIRANO PATENORA	5	M	5
084	TEANO	6	M	1 5
085	PIETRAMELARA	-7	M	1 5
086	SPARANISE	-7	M	5
087	CALVI RISORTA (PIGNATARO)	6	M	5
088	PIGNATARO MAGGIORE	6-7	M	5
089	FORMICOLA	6-7	M	1 5
090	ALVIGNIANO	-7	M	5
091	RUVIANO	6-7	M	1 5
092	PUGLIANELLO	6	M	5
093	BELLONA	6	M	5
094	VITULAZIO	6	M	5
095	STIO	6	M	5
096	CAIAZZO	6-7	M	5
097	CASTEL CAMPAGNANO	6-7	M	5
098	AMOROSI	6	M	5
099	SOLOPACA	5-6	M	5 2
100	FRATTE (SALERNO)	6-7	B	1 5 2
101	CANCELLO E ARNONE	6	G	1 5
102	CAPUA	-8	G	5
103	MARIA CAPUA VETERE, S.	7	B	1 5
104	PRISCO S.	7	B	5
105	AGATA DEI GOTI, S.	7	B	1 5 2
106	ARIENZO	6	G	1 5 2
107	MORIGERATI	NN	—	—
108	MASSA LUBRENSE	6	M	1 5
109	TORRE ANNUNZIATA	7	M	1 5
110	NOLA	7	B	1 5 2
111	TEVEROLA	7	M	5
112	PIETRO A PATIERNO, S.	7	M	5
113	ARPAIA	7	B	2
114	FORCHIA	7	B	5 2
115	PAROLISE	7	B	5 2
116	ISCHIA, PORTO	5	B	1 5
117	FORIO (ISCHIA)	5	M	1 5
118	BARANO D'ISCHIA	5	M	1 5

segue

segue Campania

CODE	LOCALITY	GRADE	NOTE	MAP
119	SERRANA (ISCHIA)	5	M	5
120 •	CASAMICCIOLA TERME	5	M	5
121	LACCO AMENO	5	M	5
122	PROCIDA	6	B	1 5
123	NAPOLI - FUORIGROTTA	7	M	—
124	GIUGLIANO IN CAMPANIA	6-7	M	5
125	NAPOLI - POSILLIPO	6-7	M	1 5
126	SASSINORO	6	M	5
127	GIOVANNI APIRO, S.	5-6	M	1
128	ROCCA RAINOLA	7	B	5 2
129	CERVINO	7	M	5
130	MARIA A VICO, S.	7	M	5
131	CROCE DEL SANNIO, S.	6	M	5
132	MORCONE	6	M	5
133	LORENZELLO, S.	6	M	5
134	CERRETO SANNITA	6	B	1 5
135	SALVATORE TELESINO, S.	6	M	5
137	FAICCHIO	6	M	5
137	GUARDIA SANFRAMONDI	6	M	5
138	TELESE	6	M	1 5
139	PONTELANDOLFO	6	M	1 5
140	CAMPOLATTARO	6	M	5
141	CUSANO MUTRI	6	M	1 5
142	PIETRAROIA	6	M	5
143	FRASSO TELESINO	6	M	1 2
144	MELIZZANO	6	M	1 2
145	VALENTINO TORIO, S.	7	M	1 5 2
146	CASAGIOVE (S. PRISCO)	7	M	1
147	GRAZZANISE	-7	M	1 5
148	MARCIANISE	6	M	5
149	CAPODRISE (MARCIANISE)	6	M	—
150	RECALE	6	M	5
151	MACERATA CAMPANIA	7	M	5
152	PORTICO DI CE. (RECALE)	7	M	—
153	ACERRA	7	M	1 5
154	AFRAGOLA	7	M	5
155	AILANO	5	M	5
156	ANACAPRI	5	M	1 5
157	APICE	7	G	1 5 2
158	BASELICE	6	M	1 5
159	FOIANO DI VALFORTORE	6	B	1
160	BOSCOREALE (BOSCOTRECASE)	7	M	5 2
161	BOSCOTRECASE	7	M	2
162	BUONALBERGO	7	M	1 5
163	MANGO PIEMONTE, S.	7	M	5 2
164	PIANA DI MT VERNA	6	M	5
165	CIPRIANO PICENTINO, S.	7	M	5 2
166	RAVELLO	6	M	5 2
167	CASALNUOVO DI NAPOLI	7	M	5
168	CAUTANO	7	M	5 2
169	TOCCO CAUDIO	7	B	5 2
170	CAMPOLI DEL MT TABURNO	7	M	5 2
171	PIAGGINE	6	M	1 5
172	CERCOLA	6	B	5
173	VOLLA (CERCOLA)	6	M	—
174	POLLENA-TROCCHIA	6	M	5
175	TROCCHIA (POLLENA)	6	M	—
176	CIMITILE	6	M	5 2
177	CHIANCHE (CEPPALONI)	7	M	5 2

segue

segue Campania

CODE	LOCALITY	GRADE	NOTE	MAP
178	ERCOLANO	6	M	5
179	FRAGNETO L'ABATE	7	M	5
180	FRAGNETO MONFORTE	7	M	1 5
181	FRATTAMAGGIORE	7	M	1 5
182	FRATTAMINORE (FRATTAMAG.)	7	M	—
183	GRAGNANO	7	B	1 5 2
184	CASOLA DI NAPOLI	7	B	5 2
185	MARIA CARITÀ, S. (GRAGNANO)	7	M	2
186	GRUMO NEVANO	7	M	—
187	LIVERI	7	B	5 2
188	PAOLO BEL SITO, S.	7	M	5 2
189	MIGNANO MONTE LUNGO	5	M	1 5
190	MONTEFALCONE VALFORTORE	6	M	1
191	MONTESARCHIO	7	B	1 5 2
192	MUGNANO DI NAPOLI	6-7	M	5
193	OTTAVIANO	6	M	5
194	PAGO VEIANO	7	M	5
195	PALMA CAMPANIA	7	M	5 2
196	PARETE	6-7	M	1 5
197	PESCO SANNITA	6	B	5
198	PIANURA	-7	M	1 5
199	PAGANI	7	M	5 2
200	PIETRELCINA	7	M	1 5 2
201	SACCO	6	M	5
202	PIMONTE	7	M	1 5 2
203	PORTICI	6	M	5
204	PRESENZANO	6	M	1 5
205	QUALIANO	6	M	5
206	ROCCA D'EVANDRO	5-6	M	1 5
207	SAVIANO	7	M	5 2
208	SCISCIANO (S. VITALIANO)	7	B	5 2
209	LUSTRA	6	M	5
210	MAURO CILENTO, S.	6	M	5
211	ANASTASIA, S.	7	M	1 5
212	ANTIMO, S.	6	M	5
213	BARTOLOMEO IN GALDO, S.	6	M	1 5
214	GIORGIO LA MOLARA, S.	7	B	1 5
215	LEUCITO DEL SANNIO, S.	7	M	5 2
216	POLLICA	6	M	5
217	STRIANO	7	B	5 2
218	TERZIGNO	7	B	1 5 2
219	TORRECUSO	-7	B	5 2
220	PAUPISI	7	M	5 2
221	TORRE DEL GRECO	7	M	1 5
222	TRECASE	7	B	5
223	VICO EQUENSE	7	B	1 5
224	VITULANO	-7	M	1 5 2
225	FOGLIANISE	-7	B	5 2
226	CASTELPOTO	-7	M	5 2
227	VISCIANO	6-7	M	5 2
228	CEPPALONI	8	B	5 2
229	ARPAISE	8	M	1 5 2
230	FRANCOLISE	6-7	M	5
231	MADDALONI	7	M	1 5
232	PIANO DI SORRENTO (META)	7	B	5
233	META DI SORRENTO	7	M	5
234	VALLE DI MADDALONI	6-7	M	5
235	CARINOLA	6	M	1 5
236	ALIFE	6	M	1 5

segue

segue Campania

CODE	LOCALITY	GRADE	NOTE	MAP
237	CASTELMORRONE	6	M	1 5
238	CASTELFRANCO IN MISCANO	7	B	1 5
239	DUGENTA	6	B	1 5
240	GINESTRA DEGLI SCHIAVONI	6-7	M	5
241	LIMATOLA	6	M	5
242	PETINA	7	M	5 2
243	AGNELLO, S.	6-7	B	5
244	ANGELO D'ALIFE, S.	6	M	1 5
245	CIPRIANO D'AVERSA, S. (AVER)	-7	M	5
246	FELICE A CANCELLO, S.	7	M	5 2
247	GREGORIO MATESE, S.	+5	M	1 5
248	CASTELLO DEL MATESE	+5	M	5
249	SESSA AURUNCA	6	M	1 5
250	SORRENTO	6-7	B	1 5
251	AVERSA	6	M	5
252	CAPRIATI A VOLTURNO	5-6	M	1 5
253	VILLA DI BRIANO (FRIGNANO)	5	M	5
254	LUSCIANO (AVERSA)	6	M	—
255	LEUCIO, S. (CE.)	5-6	M	—
256	GIORGIO DEL SANNIO, S.	8	M	1 5 2
257	ALTAVILLA IRPINA	8	B	1 5 2
258	BARONISSI	+7	B	5 2
259	BONITO	7-8	B	1 5 2
260	BUCCINO	8	B	1 5 2
261	CAIRANO	8	B	5 2
262	CARIFE	8	B	1 5 2
263	CELZI	8	G	5 2
264	CONZA DI CAMPANIA	10	B	1 5 2
265	GIFFONE VALLE PIANA	7	B	1 5 2
266	GUARDIA DEI LOMBARDI	9	B	1 5 2
267	PIANO LACENO (LACENO LAGO)	8	G	1 5 2
268	LIONI	10	B	1 5 2
269	MIRABELLA ECLANO	6	B	5 2
270	MONTANO ANTILIA	7	G	5
271	MORRA DE SANCTIS	8	B	5 2
272	MUGNANO DEL CARDINALE	7	B	5 2
273	OTTATI	7	B	5 2
274	PIETRADEFUSI (VENDICANO)	8	B	1 5 2
275	PIETRASTORNINA	7-8	B	1 5 2
276	PRATA DI PRINCIPATO ULTRA	8	G	1 5 2
277	ROCCA S. FELICE	9	B	5 2
278	SALVITELLE	8	B	5 2
279	BIAGIO, S. (SERINO)	8	G	5 2
280	GREGORIO MAGNO, S.	8	B	5 2
281	MANGO SUL CALORE, S.	8	B	1 5 2
282	MICHELE DI SERINO, S.	8	B	1 5 2
283	LUCIA DI SERINO, S.	8	B	2
284	ANDREA DI CONZA, S.	9	B	5 2
285	ANGELO A FASANELLA, S.	7	B	1 5 2
286	SERINO	8	B	2
287	SERRE	7	B	1 5 2
288	SORBO SERPICO (SALZA IRP.)	8	G	5 2
289	TEORA	9	B	1 5 2
290	NICOLA LA STRADA, S. (CE)	5	G	—
291	TUFO	8	G	5 2
292	VILLAMAINA	8	G	5 2
293	VOLTURARA IRPINA	8	G	5 2
294	AGEROLA	5	G	5 2
295	AGROPOLI	6	B	1 5
296	AIELLO (BARONISSI)	6	G	5 2
297	AIELLO DEL SABATO	7	B	1 5 2
298	AIROLA	7	G	5 2
299	AMALFI	6	B	1 5 2

segue

segue Campania

CODE	LOCALITY	GRADE	NOTE	MAP
300	ANDRETTA	8	B	1 5 2
301	APOLLOSA	7	G	5 2
302	AQUILONIA	7	B	5 2
303	ARIANO IRPINO	7	B	1 5 2
304	ASCEA	6	B	1 5
305	PELEZZANO	7	M	5 2
306	BACOLI-BAIA	6	G	5
307	BAGNOLI IRPINO	7	B	5 2
308	BAIANO	7	B	1 5 2
309	BELLOSGUARDO	6	B	1 5 2
310	BISACCIA	7	B	1 5 2
311	TORELLA DEI LOMBARDI	8-9	G	1 5 2
312	BORGO (CONTRADA)	5	G	5
313	BRACIGLIANO	7	B	5 2
314	BRUSCIANO (POMIGLIANO)	6	G	5
315	PERDIFUMO	6	M	1 5
316	CAMPORA	6	B	1 5
317	PAESTUM	6	G	1 5 2
318	DOMICELLA	7	B	5 2
319	CASSANO IRPINO	7	B	5 2
320	CASTEL BARONIA	7-8	B	1 5 2
321	CASTELCIVITA	6	B	5 2
322	CASTELFRANCI	7	B	5 2
323	CASTEL S. GIORGIO	7	B	5 2
324	CASTEL S. LORENZO	6	B	5 2
325	CASTELVETERE VALFORTORE	6	G	1 5
326	CENTOLA	5	B	1
327	CERVINARA	7	B	1 5 2
328	CESINALI (AVELLINO)	7	B	2
329	CHIUSANO DI S. DOMENICO	7-8	B	5 2
330	CONCA DEI MARINI	6	B	5 2
331	CONTRONE	7	B	1 5 2
332	CORLETO MONFORTE	6-7	B	5 2
333	VIETRI SUL MARE	7	B	5 2
334	DURAZZANO	6	G	5
335	FLUMERI	7	B	5 2
336	FONTANAROSA	6	G	5 2
337	FORINO	7-8	B	5 2
338	FRIGENTO	8	B	5 2
339	FUTANI	6	B	1 5
340	GESUALDO	8	B	5 2
341	GROTTAMINARDA	8	B	1 5 2
342	GROTTOLELLA	+7	B	5 2
343	LACEDONIA	7	B	1 5 2
344	MADONNA DELL'ARCO (CERCOLA)	5	G	—
345	MARIGLIANO	7	G	—
346	MERCATO S. SEVERINO	7	B	1 5 2
347	MINORI	6	B	5 2
348	MOIANO	6	G	2
349	MONTECALVO IRPINO	7	B	1 5 2
350	MOTECORVINO PUGLIANO	7	B	5 2
351	MONTECORVINO ROVELLA	7	B	1 5 2
352	MONTE DI PROCIDA	6	G	5
353	MONTEMARANO	7	B	1 5 2
354	NUSCO	7	B	5 2
355	OGLIASTRO CILENTO	6	G	1 5
356	PADULI	7	G	5 2
357	PAGO DEL VALLO DI LAURO	7	B	2
358	PALINURO	5	G	—

segue

segue Campania

CODE	LOCALITY	GRADE	NOTE	MAP
359	PALOMONTE	7-8	G	5 2
360	PAOLISI (AIROLA)	6	G	2
361	POMIGLIANO D'ARCO	7	M	—
362	POSITANO	7	B	1 5 2
363	POZZUOLI	6	G	1 5
364	PRAIANO	5	G	1 5 2
365	PRIGNANO CILENTO	6	B	—
366	QUINDICI	7	B	1 5 2
367	ROFRANO	6	G	1 5
368	ROSCIGNO	6	B	5 2
369	ROTONDI	7	B	2
370	RUTINO	6	B	5
371	LAUREANA	6	M	5
372	SALZA IRPINA	7	B	2
373	BIASE, S.	6	G	5
374	MARTINO VALLE CAUDINA, S.	6	G	2
375	NICOLA BARONIA, S.	7	B	5 2
376	POTITO, S. (ROCCA PIEMONTE)	7	B	5 2
377	TORRE ORSAIA	6	M	1
378	STEFANO DEL SOLE, S.	8	B	2
379	VITALIANO, S.	7	G	2
380	SARNO	7	B	2
381	SCAFATI	7	B	2
382	ZUPPINO (POSTIGLIONE)	7	G	2
383	SIANO	7	G	2
384	SOMMA VESUVIANA	5	G	—
385	TAURASI	7	G	5 2
386	TORELLO (SIANO)	6	G	2
387	TRAMONTI	7	B	5 2
388	TREVICO	7	B	5 2
389	VALLATA	7	B	5 2
390	AVELLA	7	M	2
391	CAPRIGLIA IRPINA	8	M	2
392	CASALBORE	7	M	5
393	CONTRADA	8	M	2
394	GRECI	7	M	5
395	LAPIO	7-8	M	5 2
396	MARZANO DI NOLA (NOLA)	7	M	2
397	MELITO IRPINO	7-8	M	5 2
398	SESSA CILENTO	6	M	5
399	MONTAGUTO	7	M	5 2
400	MONTEFREDANE	8	M	2
401	MANOCALZATI (ATRIPALDA)	8	M	2
402	MONTEFUSCO	8	M	2
403	MONTEMILETTO	7-8	M	2
404	MONTEVERDE	7	M	5 2
405	SERRAMEZZANA	6	M	5
406	MOSCHIANO (MONTEFORTE)	7	M	2
407	OSPEDALETTO (MERCOGLIANO)	8	M	2
408	PRATOLASERRA	8	M	2
409	QUADRELLE (MUGNANO)	7	M	2
410	ROCCABASCERANA	7-8	M	2
411	ANGELO ALL'ESCA, S.	8	M	2
412	ANGELO A SCALA, S. (SUMMONTE)	7	M	2
413	TORTORELLA	NN	—	—
414	SOSSIO BARONIA, S.	7	M	5 2
415	SAVIGLIANO IRPINO	7	M	1 5
416	SCAMPITELLA	7	M	1 5 2
417	SIRIGNANO (BAIANO)	7	M	2

segue

segue Campania

CODE	LOCALITY	GRADE	NOTE	MAP
418	SPERONE	7	M	2
419	SUMMONTE	8	M	2
420	TAURANO (MONTEFORTE)	7	M	2
421	TRENTINARA	6	M	5
422	VALLESACCARDA	7	M	2
423	VILLANOVA DEL BATTISTA	7	M	5 2
424	CURTI	NN	—	—
425	ALBANELLA	6	M	5 2
426	ANGRI	7	M	1 2
427	AOUARA	6	M	5 2
428	ATRANI (AMALFI)	6	M	2
429	BATTIPAGLIA	7	M	5 2
430	BELLIZZI (BATTIPAGLIA)	6-7	M	1 5 2
431	BUONABITACOLO	7	M	1 5
432	PERTOSA	8	M	1 5 2
433	CALVANICO	7	M	2
434	CASALETTO SPARTANO	6	M	5
435	CASALVELINO	6	M	1 5
436	STELLA CILENTO	6	M	5
437	CASTELNUOVO CILENTO	6	M	1 5
438	SALENTO	6	M	5
439	CASTIGLIONE DEI GENOVESI	7	M	2
440	CETARA	6	M	1 5 2
441	BAGNI CONTURSI	8	B	5 2
442	CUCCARO VETERE	6	M	5
443	FISCIANO	7	M	2
444	FURORE (PRAIANO)	6-7	M	2
445	GIFFONI SEI CASALI (SIETI)	7	M	1 5 2
446	BORGO CARILLIA (PERSANO)	6-7	M	2
447	PERITO	6	M	—
448	ORRIA	6	M	5
449	GIUNGANO	6	M	5
450	MAGLIANO VETERE	6	M	5
451	MONTE S. GIACOMO	7	M	5
452	NOCERA SUPERIORE	7	M	2
453	OGLIASTRO CILENTO	7	M	—
454	OLEVANO TUSCIANO	7	M	1 5
455	MONTECORVINO, ST. (BELLIZZI)	NN	—	—
456	CONTURSI, ST.	NN	—	—
457	ROMAGNANO, ST. (ROMAGNANO)	NN	—	—
458	SICIGLIANO, ST. (SCORZO)	NN	—	—

PUGLIA - T

CODE	LOCALITY	GRADE	NOTE	MAP
001	TARANTO	5	M	—
002	CASTELLANETA	5	M	1
003	GINOSA	5-6	M	1
004	NOCI	5	M	1
005	BARI	6	M	1
006	SAVA	4	M	1
007	LIZZANO	4	M	1
008	BRINDISI	-5	M	1
009	LATIANO	3	G	1
010	LECCE	4	M	1
011	COPERTINO	4	M	1 5
012	GRAVINA DI PUGLIA	6	B	1 5
013	ALTAMURA	5-6	B	1 5
014	MOTTOLA	+4	M	1
015	GIORGIO IONICO, S.	4	M	1
016	MANDURIA	4	M	1
017	ISCHITELLA	5	M	1
018	VICO DEL GARGANO	4	M	1
019	LUCERA	6	M	1 5
020	FOGGIA	5-6	M	1 5
021	CERIGNOLA	6	B	1 5
022	TRINITAPOLI	5-6	M	1 5
023	CANOSA DI PUGLIA	6	B	1 5
024	ANDRIA	5	M	1 5
025	GALATINA	5	M	1
026	MOLFETTA	5	M	1 5
027	BITONTO	5	M	1
028	GIOVINAZZO	5	M	1 5
029	CASSANO DELLE MURGE	5	M	1
030	ACQUAVIVA DELLE FONTI	5	M	1
031	RUTIGLIANO	5	M	1
032	CONVERSANO	5	M	1
032	CONVERSANO	5	M	1
033	FRANCAVILLA FONTANA	4	M	1
034	GROTTAGLIE	4	M	1
035	GIOIA DEL COLLE	5	B	1
036	SAMMICHELE DI BARI	5	M	1
037	CEGLIE MESSAPICO	4	M	1
038	MAGLIE	3	M	1
039	MASSAFRA	5	M	1
040	GALLIPOLI	3	M	1
041	NARDO	4	M	1
042	SPINAZZOLA	6	B	1 5
043	SANTERAMO IN COLLE	5	B	1
044	BARLETTA	5	M	1 5
045	MINERVINO MURGE	5	M	1 5
046	RUVO DI PUGLI	6	B	1 5
047	ASCOLI SATRIANO	6	B	1 5
048	ROCCHETTA S. ANTONIO	7	B	1 5 2
049	FAETO	6	M	1 5
050	CELLE S. VITO	6	M	5
051	ORSARA DI PUGLIA	6-7	B	1 5
052	BOVINO	7	M	1 5
053	PANNI	7	M	1 5
054	MONTELEONE DI PUGLIA	7	M	1 5 2
055	ACCADIA	7	M	1 5 2
056	ANZANO DI PUGLIA	7	B	1 5 2
057	CANDELA	7	B	1 5 2
058	CASTELLUCCIO DE' SAURI	6	M	1 5
059	ORDONA	6	B	1 5

segue

CODE	LOCALITY	GRADE	NOTE	MAP
060	ORTA NOVA	5	M	1 5
061	STORNARA	6	M	5
062	STORNARELLA	6	M	1 5
063	FERDINANDO DI PUGLIA, S.	5	M	1 5
064	TRANI	6	M	1 5
065	BISCEGLIE	5	M	1 5
066	CORATO	5	M	1 5
067	TELIZZI	6	M	1 5
068	POGGIORSINI	5	M	1 5
069	MODUGNO	5	M	1
070	PALO DEL COLLE	5	M	—
071	GRUMO APPULA	6	M	1
072	BITETTO	5	M	1
073	LATERZA	6	M	1
074	VALENZANO	6	M	—
075	ADELFIA	5-6	M	1
076	SANNICANDRO DI BARI	5	M	1
077	TRIGGIANO	6	M	—
078	MOLA DI BARI	5	M	1
079	TURI	5	M	1
080	PALAGIANO	5	M	1
081	CASTELLANA GROTTE	4-5	M	1
082	POLIGNANO A MARE	5	M	1
083	PUTIGNANO	5	M	1
084	ALBEROBELLO	5	M	1
085	CRISPIANO	5	M	1
086	MONOPOLI	5	M	1
087	FASANO	5	M	1
088	LOCOROTONDO	4	M	1
089	MARTINA FRANCA	4-5	M	1
090	OSTUNI	5	M	1
091	CAROVIGNO	4	M	1
092	VITO DEI NORMANNI, S.	4	M	1
093	FRAGAGNANO	4	M	1
094	PULSANO	4-5	M	1
095	TALSANO	5	M	1
096	MARUGGIO	4	M	1
097	AVETRANA	4	M	1
098	TUTURANO	4	M	—
099	CELLINO S. MARCO	4	M	—
100	TORCHIAROLO	4	M	—
101	SQUINZANO	4	M	—
102	SURBO	4	M	—
103	NOVOLI	4	M	1
104	PANCRAZIO SALENTINO, S.	4	M	1
105	VEGLIE	4	M	1
106	PORTO CESARIO	4	M	1
107	ARNESANO	4	M	—
108	DONATO DI LECCE, S.	4	M	—
109	MELEDUGNO	NF	M	1
110	MARTIGNAGNO	+NF	M	—
111	CARPIGNANO SALENTINO	+NF	M	—
112	STERNATIA	NF	M	—
113	GALATONE	4	M	1
114	SANNICOLA	3	M	—
115	ALEZIO	4	M	1
116	MATINO	3	M	—
117	TAVIANO	NF	M	—
118	TAURISANO	4	M	—

segue

segue Puglia

CODE	LOCALITY	GRADE	NOTE	MAP
119	CASARANO	3-4	M	1
120	RUFFANO	4	M	1
121	COLLEPASSO	3	M	—
122	CUTROFIANO	4	M	1
123	NOCIGLIA	+NF	M	1
124	ORTELLE	NF	M	—
125	CESAREA TERME, S.	+NF	M	1
126	MELPIGNANO	NF	M	—
127	PALMARIGGI	NF	M	—
128	OTRANTO	4	M	1
129	PALAGIANELLO	5	M	—
130	PARABITA	3-4	M	1
131	PESCHICI	5	M	1
132	PEZZE DI GRECO	4-5	M	—
133	PIETRAMONTECORVINO	6	M	1 5
134	POGGIARDO	+NF	M	1
135	POGGIO IMPERIALE	5	M	1
136	PRESICCE	3	M	1
137	ACQUARICA DEL CAPO	3	M	—
138	RACALE	4	M	1
139	RIGNANO GARGANICO	5	M	1
140	RODI GARGANICO	5	M	1
141	ROSETO VALFORTORE	6	M	1 5
142	ALBERONA	6	B	5
143	SALICE SALENTINO	4	M	—
144	MURO LECCESE	3	M	—
145	SANARICA	3	M	—
146	AGATA DI PUGLIA, S.	7	M	1 5 2
147	CASSIANO, S.	NF	M	—
148	CESARIO DI LECCE, S.	4	M	1
149	LEQUILE	4	M	—
150	DONACI, S.	4	M	1
150	DONACI	4	M	1
151	GIOVANNI ROTONDO, S.	5	M	1
152	MARCO IN LAMIS, S.	5	M	1
153	MICHELE SALENTINO, S.	+NF	M	1
154	SANNICANDRO GARGANICO	5	M	1
155	PAOLO DI CIVITATE, S.	4	M	—
156	PIETRO VERNOTICO, S.	4	M	1
157	SEVERO, S.	6	M	1
158	PIETRO IN LAMA, S.	4	M	—
159	SCORRANO	+3	M	1
160	SERRACAPRIOLA	6	M	1
161	CHIEUTI	6	M	1
162	SOLETO	NF	M	—
163	SALVE	NF	M	1
164	MORCIANO DI LEUCA	NF	M	—
165	SPECCHIA	NF	M	—
166	MIGGIANO	NF	M	—
167	MONTESANO SALENTINO	NF	M	—
168	SUPERSANO	4	M	—
169	SURANO	NF	M	—
170	TROIA	6	M	1 5
171	TORITTO	5	M	1
172	TORREMAGGIORE	4	M	1
173	TORRE S. SUSANNA	4	M	1
174	TREMITI	4-5	M	1
175	TREPUZZI	4	M	—
176	TRICASE	4	M	1
177	UGENTO	+NF	M	1

segue

segue Puglia

CODE	LOCALITY	GRADE	NOTE	MAP
178	UGGIANO LA CHIESA	4	M	1
179	VERNOLE	NF	M	—
180	VIESTE	5	M	1
181	VILLA CASTELLI	4	M	1
182	VOLTURARA APPULA	6	M	1 5
183	MOTTA MONTECORVINO	6	M	5
184	VOLTURINO	6	M	5
185	ZAPPONETA	5	M	5
186	ZOLLINO	NF	M	—
187	AMARANO	4	M	—
188	ALLISTE	NF	M	1
189	APRICENA	5	M	1
190	ARADEO	3-4	M	1
191	BAGNOLO DEL SALENTO	NF	M	1
192	BICCARI	6	M	5
193	BOTRUGNO	NF	M	—
194	CAGNANO VARANO	5	M	1
195	CALIMERA	NF	M	—
196	CAMPI SALENTINA	4	M	1
197	CANNOLE	NF	M	—
198	CAPRANICA DI LECCE	NF	M	—
199	CAPURSO	5	M	1
200	CARAPELLE	5	M	—
201	CARPINO	5	M	1
202	CASALNUOVO MONTEROTARO	6	M	5
203	CASALVECCHIO DI PUGLIA	6	M	5
204	CASAMASSIMA	5	M	1
205	CASTELNUOVO DELLA DAUNIA	6	M	1 5
206	CASTRI DI LECCE	NF	M	—
207	CASTRIGNANO DEI GRECI	NF	M	—
208	CELENZA VALFORTORE	6	M	1 5
209	MARCO LA CATOLA, S.	6	M	5
210	CARLANTINO	6	M	5
211	CISTERNINO	4	M	1
212	CORIGLIANO D'OTRANTO	3	M	1
213	CURSI	3-4	M	—
214	DELICETO	7	B	1 5
215	ORIA	−5	M	1
216	CASTELLUCCIO VALMAGGIORE	6	M	5
217	GINOSA MARINA	5	M	1
218	GIURDIGNANO	4	M	—
219	GUAGNANO	4	M	—
220	VILLA BALDASSARRI	4	M	—
221	GIUGGIANELLO	3	M	—
222	LESINA	5-6	M	1
223	LIZZANELLO	4	M	1
224	MANFREDONIA	5	M	1 5
225	MARGHERITA DI SAVOIA	5	M	1 5
226	MARTANO	+NF	M	1
227	MATTINATA	4	M	1
228	MELLISSANO	5	M	—
229	MESAGNE	4	M	1
230	MINERVINO DI LECCE	3	M	—
231	MONTE S. ANGELO	5	M	1
232	MONTERONI DI LECCE	4	M	—
233	NOICATTARO	5	M	—

BASILICATA - T

CODE	LOCALITY	GRADE	NOTE	MAP
001	MARATEA	6	B	1
002	LAURIA	6	M	1
003	LAGONEGRO	6	B	1
004	ROTONDA	4	M	–
005	MONTALBANO IONICO	6	M	1
006	MONTEMUTTO	6	B	1 5
007	BERNALDA	5-6	M	1 5
008	POTENZA	7	B	1 5 2
009	CHIAROMONTE	6	B	1
010	SENISE	6	B	1 5
011	VIETRI	8	B	1 5 2
012	PICERNO	-8	B	5 2
013	BRINDISI MONTAGNA	7	M	5
014	TRIVIGNO	7	B	1 5
015	CAMPOMAGGIORE	6-7	M	5
016	SALANDRA-GROTTOLE ST.	6	M	5
017	FERRANDINA	6	M	1 5
018	POMARICO VECCHIO	6	M	5
019	PISTICCI ST.	NN	—	—
020	METAPONTO	NN	—	—
021	SCANZANO IONICO	NN	—	—
022	POLICORO	5-6	B	1
023	NOVASIRI ST.	5-6	B	1 5
024	MATERA	5-6	B	1 5
025	PISTICCI	6	M	1 5
026	MAURO FORTE, S.	6	M	1 5
027	LAURENZANA	7	M	1 5
028	LATRONICO	6	B	1
029	MOLITERNO	6	M	1 5
030	ANGELO LE FRATTE, S.	+7	B	1 5 2
031	MARSICO NUOVO	7	M	1 5 2
032	AVIGLIANO	7	B	1 5 2
033	TRICARICO	6-7	B	1 5
034	TOLVE	6	B	1 5
035	ACERENZA	6	B	1 5
036	ROTONDELLA	6	B	1 5 5
037	VENOSA	6	M	1 5 2
038	VAGLIO BASILICATA	5-6	B	1 5 2
039	TITO	7-8	B	1 5 2
040	MELFI	6-7	B	1 5 2
041	RIONERO IN VULTURE	7	B	1 5 2
042	LAVELLO	6	M	1 5 2
043	MONTEMILONE	6	M	1 5
044	PALAZZO S. GERVASO	6	M	1 5
045	FORENZA	6	B	1 5 2
046	MURO LUCANO	8	B	1 5 2
047	PIGNOLA	7	B	1 5 2
048	BRIENZA	7-8	B	1 5 2
049	CALVELLO	7	B	1 5 2
050	NOEPOLI	6	M	1
051	CORLETO PERTICARA	6-7	B	1 5
052	CHIRICO RAPARO, S.	6	M	1 5
053	MIGLIONICO	6	M	1 5
054	CASTELSARACENO	6	M	1 5
055	TURSI	6	M	1 5
056	TERRANOVA DI POLLINO	6	M	1
057	ARCANGELO, S.	6	B	1 5
058	GRASSANO	7	G	1 5
059	SEVERINO LUCANO, S.	6	M	1

segue

segue Basilicata

CODE	LOCALITY	GRADE	NOTE	MAP
060	MONTESCAGLIOSO	6	M	1
061	CRACO	NN	—	—
062	ANZI	6-7	B	1 5
063	VIGGIANO	+6	M	1 5
064	ATELLA	7	B	1 5 2
065	RIVELLO	6	M	—
066	CASTELLUCCIO IN	6	B	1
067	ABRIOLA	7	B	1 5 2
068	ALIANO	6	M	1 5
069	ARMENTO	6	M	5
070	BALVANO	8	M	1 5 2
071	BARILE	7	M	5 2
072	CANCELLARA	6-7	M	5 2
073	CARBONE	NN	—	—
074	CASTRONUOVO DI SANT'ANDREA	6	M	5
075	GALLICCHIO	6	M	5
076	MARSICO VETERE	NN	—	—
077	MARTINO D'ACRI, S.	NN	—	—
078	MISSANELLO	6	M	5
079	PATERNO	7	M	5
080	PIETRAPERTOSA	6-7	M	5
081	ROCCANOVA	6	M	1 5
082	SAPONARA	NN	—	—
083	SARCONI	6	M	5
084	SASSO DI CASTALDA	NN	—	—
085	SPINOSO	NN	—	—
086	STIGLIANO	6	M	1 5
087	TRAMUTOLA	6-7	M	1 5
088	POMARICO	NN	—	—
089	BELLA	8	B	1 5 2
090	VILLA D'AGRI (MARSICO VET.)	7	G	1 5
091	VALSINNI	6	G	1 5
092	PESCOPAGANO	9	B	1 5 2
093	PAOLO ALBANESE, S.	6	M	—
094	CASTELGRANDE	8	B	1 5 2
095	RUOTI	7	B	5 2
096	BARAGIANO	7-8	B	1 5 2
097	CASTELMEZZANO	+6	B	1 5
098	FILIANO	7	B	1 5 2
099	GROTTOLE	6	B	1 5
100	IRSINA	6	B	1 5
101	PIETRAGALLA	6-7	B	1 5
102	RAPONE	7-8	B	1 5
103	RIPA CANDIDA	6-7	B	1 5 2
104	VIGGIANELLO	6	M	1
105	RUVO DEL MONTE	7-8	B	1 5 2
106	FELE, S.	7-8	B	1 5 2
107	TRECCHINA	6	M	—
108	SATRIANO DI LUCANIA	+6	B	1 5 2
109	SAVOIA DI LUCANIA	7	G	5 2
110	STERPITO	6	G	5 2
111	ACCETTURA	6	M	1 5
112	CALCIANO	6	M	5
113	COLOBRARO	6	M	5
114	GARAGUSO	6	M	1 5
115	GORGOGLIONE	6	M	1 5
116	OLIVETO LUCANO	6	M	5
117	GIORGIO LUCANO, S.	6	M	—
118	BANZI	6	M	5

segue

segue Basilicata

CODE	LOCALITY	GRADE	NOTE	MAP
119	ALBANO DI LUCANIA	6-7	M	1 5
120	CASTELLUCCIO UP	6	M	—
121	EPISCOPIA	5	M	—
122	CWESOSIMO	6	M	—
123	FRANCAVILLA SUL SINNI	6	M	—
124	FARDELLA	6	M	—
125	GRUMENTO NOVA	6-7	M	1
126	GENZANO DI LUCANIA	6	M	1 5
127	OPPIDO LUCANO	6	M	1 5
128	CASTEL-LAGOPESOLE	7	M	5 2
139	NEMOLI	6	M	—
130	MASCHITO	6	M	1 5 2
131	COSTANTINO ALBANESE, S.	NN	—	—
132	RAPOLLA	7	M	5 2
133	TEANA	6	M	—
134	CHIRICO NUOVO, S.	6	M	1 5

CALABRIA - V

CODE	LOCALITY	GRADE	NOTE	MAP
007	PIDERNO	NN	—	—
008	DELIANUOVA	3	G	1
009	SCIDO	4	G	1
010	CRISTINA D'ASPR. TE, S.	NN	—	—
013	VARAPODIO	NN	—	—
014	POLISTENA	4	G	1
023	BAGALATI	3	G	1
024	LORENZO, S.	NN	—	—
029	CASALNUOVO	3	G	1
030	PALIZZI MARINA	NN	—	—
031	PALIZZI	NF	G	1
032	BRANCALEONE	NN	—	—
033	AFRICO NUOVO	NN	—	—
034	BIANCO	3	G	1
046	ANTONIMINA	3	G	1
047	CANOLO	NN	—	—
048	SIDERNO	4	G	1
049	MARINA DI GIOIOSA IONICA	NN	—	—
052	TRADA, S. (CANNITELLO)	NN	—	—
053	ROSARNO	4	G	1
054	RIZZICONI	4	G	1
055	PELLEGRINA (BAGNARA C.)	NN	—	—
060	LIMBADI	NN	—	—
061	GIOIA TAURO	4	G	1
064	BARITTERI	NN	—	—
065	BAGNARA MARINA	3	G	1
068	LAUREANA DI BORRELLO	NN	—	—
069	VIBO VALENTIA	−5	G	1
081	SERRA S. BRUNO	4	G	1
082	SPADOLA	NN	—	—
085	BRIATICO	NN	—	—
086	TROPEA	+3	G	1
089	COCCORINELLO (E COCCORINO)	NN	—	—
090	IOPPOLO	4	G	1
091	NICOTERA	NN	—	—
092	REGGIO C., CENTRO	3-4	G	1
105	ARASI	3	G	1
106	CATONA	−4	G	1
125	MOTTA S. GIOVANNI	3	G	1
126	MONTEBELLO IONICO	NN	—	—
139	EUFEMIA D'ASP., S.	NN	—	—
140	CITTANOVA	3-4	G	1
161	ROCCAFORTE DEL GRECO	3-4	G	1
162	PIETRO A MAIDA, S.	NN	—	—
169	GEROCARNE	4	G	1
170	ARENA	4	G	1
171	DINAMI	4	G	1
172	SIMBARIO	NN	—	—
187	ARDORE	NN	—	—
188	FILADELFIA	4	G	1
189	AMANTEA	4	G	1
190	GALATI	NN	—	—
191	PROCOPIO, S.	NN	—	—
192	COSENZA, CENTRO	4-5	G	1
193	CATANZARO	+4	G	1
194	FRANCAVILLA ANGITOLA	NN	—	—
199	CATERINA DELLO IONIO, S.	NN	—	—
200	STILO	+3	G	1
201	GROTTERIA	NN	—	—

segue

segue Calabria

CODE	LOCALITY	GRADE	NOTE	MAP
202	NICASTRO	4-5	G	1
203	LONGOBUCCO	+4	G	1
204	SERRASTRETTA	NN	—	—
207	MAGISANO	NN	—	—
208	SERSALE	3-4	G	1
209	CROPANI	4	G	1
210	ROCCABERNARDA	NN	—	—
217	SOVERATO	4	G	1
218	DAVOLI	NN	—	—
221	ROCCELLA IONICA	4	G	1
222	ARMI, CAPO DELL'	NN	—	—
225	CIMINA	NN	—	—
226	MAIDA	4	G	1
233	BORGIA	NN	—	—
234	GIRIFALCO	4	G	1
241	TRENTA	5	G	1
242	AMENDOLARA	5	G	1
243	CASTROVILLARI	5	G	1
244	CROTONE	4	G	1
246	PAOLA	5	G	1
247	DIAMANTE	5	G	1
248	SCALEA	5	G	1
249	ROSSANO	5	G	1
252	ALTILIA	NN	—	—
253	SEVERINA, S.	4	G	1
254	SCANDALE	4	G	1
255	MAURO MARCHESATO, S.	4	G	1
260	CELICO	NN	—	—
261	ACRI	5	G	1
264	CARIATI	4-5	G	1
265	CAPISTRATO	NN	—	—
266	SPEZZANO ALBANESE	NN	—	—
267	TREBISACCE	5	G	1
268	MORMANNO	5-6	G	1
269	PARCHELIA	NN	—	—
276	DASA	NN	—	—
277	PIETRO IN QUARANO, S.	5	G	1
278	SPEZZANO DELLA SILA	NN	—	—
279	ROGLIANO	4	G	1
284	RENDE, CENTRO	5	G	1
285	ROSE	NN	—	—
286	BISIGNANO	6	G	1
287	FILI, S.	5	G	1
294	MARCELLINARA	4	G	—
295	STALETTI	NN	—	—
296	MONTESORO	NN	—	—
297	VITO SULLO IONIO, S.	+NF	G	1
305	EUFEMIA LAMEZIA, S.	4	G	1
306	FILOGASO	NN	—	—
309	PANAIA (SPILINGA)	NN	—	—
310	PETILIA POLICASTRO	4	G	1
313	GIOVANNI IN FIORE, S.	4-5	G	1
314	CIRELLA	NN	—	—
319	NOCERA TIRINESE	NN	—	—
320	FALERNA	+3	G	1
321	AGNANA CALABRIA	NN	—	—
322	FERDINANDO DI ROSARNO, S.	+3	G	1
331	CARPANZANO	NN	—	—
332	MANDATORICCIO	+3	G	1

segue

segue Calabria

CODE	LOCALITY	GRADE	NOTE	MAP
335	LUZZI	4-5	G	1
336	STRONGOLI	4	G	1
337	LATTARICO-TORANO, STAZIONE	NN	—	—
338	CERZETO	4	G	1
341	MONGRASSANO	5	G	1
342	MARCO ARGENTANO, S.	NN	—	—
343	CETRARO	5	G	1
344	DEMETRIO CORONE, S.	NN	—	—
347	VERBICARO	5	G	1
348	CIRO	NN	—	—
351	SOSTENE, S.	NN	—	—
352	SIBARI, STAZIONE	4	G	1
353	ACQUAFORMOSA	NN	—	—
354	LUNGRO	4-5	G	1
355	ROGGIANO GRAVINA	NN	—	—
356	TARSIA	5	G	1
357	SPEZZANO ALBANESE, ST (TERME)	NN	—	—
358	CASSANO ALLO IONIO	6	G	1
359	CANNA	NN	—	—
360	ORIOLO	6	G	1
367	CAMINI	NN	—	—
368	CERCHIARA CALABRA	5	G	1
369	CAMPANA	4-5	G	1
370	CARAFFA DI CATANZARO	NN	—	—
414	RIACE	NN	—	—
415	AMARONI	4	G	1
416	PENTONA	NN	—	—
417	CICALA	4	G	1
432	PLATACI	NN	—	—
433	MONTEGIORDANO	5-6	G	1
442	DONATO DI NINEA, S.	NN	—	—
443	LAINO CASTELLO	5	G	1
444	CIVITA	4	G	1
445	AIETA	NN	—	—
452	CALOVETO	5	G	1
453	UMBRIATICO	NN	—	—
454	SELLIA MARINA	4	G	1
455	MARCEDUSA	NN	—	—
464	CORNELLE (C.RA CROCE ROMEO)	NN	—	—
465	MONASTERACE MARINA	4	G	1
474	MONGRASSANO, ST.	5	G	1
475	MONTALTO UFFUGO, ST.	NN	—	—
518	ARGUSTO	NN	—	—
519	DECOLLATURA	−5	G	1
566	POLICASTRELLO	NN	—	—
567	FIRMO	4-5	G	1
574	CETRARO MARINA (CETRARO)	4	G	1
575	CITTADELLA DI C. BONIFATI	5	G	1
584	ROGES (N CS.)	NN	—	—
585	ROCCHI (SW ROSE AS)	NN	—	—
588	RENDE, PROFETA (CA CS. A)	+4	G	1
589	ROGLIANO-GRIMALDI, CA	NN	—	—
590	MARCELLINA	5	G	1
591	PAVIGLIANA (S TERRETI)	NN	—	—
610	MARINA DI CORIGLIANO*	5	G	1
610	MARINA DI SCHIAVONEA	5	G	1
643	MARINA DI AMENDOLARA	5	G	1
644	MARINA DI BADOLATO	4	G	1
645	BOTRICELLO	3-4	G	1

segue

segue Calabria

CODE	LOCALITY	GRADE	NOTE	MAP
646	CASTROREGGIO	5	G	1
647	DORIA	5	G	1
648	FILIPPO, S. (CETRARO)	5	G	1
649	MORANO CALABRO	5	G	1
650	NICOLA ARCELLA, S.	5	G	1
651	PAPASIDERO	5-6	G	1
652	PIANOLAGO (ROGLIANO CA)	4-5	G	1
653	SERRA PEDACE (PEDACE)	5	G	1
654	THURIO	4-5	G	1
655	CATANZARO MARINA	4-5	G	1
656	LORENZO BELLIZZI, S.	4	G	1
657	ORSOMARSO	5	G	1
658	CASABONA	4	G	1
659	LAMEZIA TERME	NN	—	—
660	CIRO MARINA	−5	G	1

SICILIA - W

CODE	LOCALITY	GRADE	NOTE	MAP
001	CATANIA	3	G	1
002	AGATA LI BATTIATI, S.	3	G	1
011	ACICASTELLO	3	G	1
012	ACITREZZA	NN	—	—
013	ACIREALE	3	G	1
014	GUARDIA	NN	—	—
021	GIARRE, ALTARELLO	NN	—	—
022	GIARRE	3	G	1
029	GIARDINI, SUD	NN	—	—
030	GIARDINI, CENTRO	3	G	1
045	MISTERBIANCO	2-3	G	1
046	PATERNO	2-3	G	1
047	MARIA DI LICODIA, S.	NN	—	—
048	BIANCAVILLA	2-3	G	1
049	ADRANO	3	G	1
050	BRONTE	3	G	1
051	RANDAZZO	3-4	G	1
052	MONTELAGUARDIA	NN	—	—
067	ANTILLO	3	G	1
068	CASALVECCHIO	NN	—	—
073	NOVARA DI SICILIA	3-4	G	1
074	FONDACHELLI FANTINA	NN	—	—
079	BAFIA	NN	—	—
080	CASTROREALE	3	G	1
081	BARCELLONA	3	G	1
082	MILAZZO	3-4	G	1
085	LUCIA DEL MELA, S.	3	G	1
086	GIAMMORO	NN	—	—
087	PIER NICETO, S.	3	G	1
088	CONDRO	NN	—	—
089	PATTI MARINA	NN	—	—
090	PATTI	3	G	1
099	FIUMEDINISI	NN	—	—
100	ALI TERME	3	G	1
121	PAGLIARA	NN	—	—
122	MANDANICI	2-3	G	1
137	SERRO (CALVARUSO)	NN	—	—
138	SPADAFORA	3	G	1
163	LIPARI, CENTRO	2-3	G	1
164	CANNETO, ISOLA LIPARI	NN	—	—
169	FILICUDI PORTO	+NF	G	1
170	FILICUDI PECORINI	NN	—	—
171	STROMBOLI, S. VINCENZO	4	G	1
172	PANAREA, S. PIETRO	3	G	1
173	MALFA, IS. SALINA	NN	—	—
174	MARINA DI SALINA, S.	3	G	1
177	ALICUDI	+NF	G	—
178	MESSINA, CENTRO-NORD	3-4	G	1
205	TROINA	NN	—	—
206	NICOSIA	2	G	1
207	REGALBUTO	2-3	G	1
208	MOTTA S. ANASTASIA	NN	—	—
217	LENTINI	2	G	1
218	MILITELLO IN VAL DI CATANIA	NN	—	—
233	SIRACUSA	2-3	G	1
234	CANICATTINI	NN	—	—
278	FURNARI	3	G	1
279	SALVATORE DI FITALIA, S.	NN	—	—
288	AGIRA	2	G	1

segue

segue Sicilia

CODE	LOCALITY	GRADE	NOTE	MAP
289	ASSORO	NN	—	—
298	LEONFORTE	NN	—	—
299	ENNA	2-3	G	I
300	CALTANISSETTA	NN	—	—
301	MILITELLO ROSMARINO	2	G	I
308	GERACI	NF	G	I
309	CASTELBUONO	NN	—	—
324	PALERMO	NF	—	—
325	CAPACI	NN	—	—
326	TORRETTA	NF	G	I
327	CARINI	NN	—	—
328	ALCAMO	NF	G	I
329	CASTELLAMMARE	NN	—	—
332	STROMBOLI, GINOSTRA	3-4	G	I
333	TRABIA	NN	—	—
344	MIRABELLA IMBACCARI	NN	—	—
345	AGRIGENTO	+2	G	I
367	FARO UP.	NN	—	—
368	VULCANO PIANO, NW	+NF	—	—
377	CAMASTRA	2	G	I
378	CASSIBILE	NN	—	—
453	MALTA, LAVALLETTA	NN	—	—
454	CAMPOFRANCO	2	G	I
455	GROTTE	NF	G	I
456	CAMMARATA	NF	G	I

REFERENCES

BARATTA M., 1901 - *I Terremoti d'Italia.* ed. Bocca Torino.

BLAKE A., 1941 - *On the estimation of focal depth from macroseismic data.* «Bull. Seism soc. Am.», 31.3.

BOTTARI A., FEDERICO B. and LO GIUDICE E., 1979 - *Methodological considerations regarding the determination of some macroseismic field parameters. Application to earthquakes in the Calabro-Peloritan Arc-.* «Boll. Geof. Teor. Appl.», 21 (83), pp. 197-225; Trieste.

BOTTARI A., LO GIUDICE E., 1981 - *Le anomalie macrosismiche nell'Arco Calabro-Peloritano.* «Rend. Soc. Geof. ital.», 4; pp. 553-555, Roma 1983.

BOTTARI A., FEDERICO B. and LO GIUDICE E., 1982 - *Nuove evidenze di correlazione tra l'attenuazione macrosismica ed i campi di Lineamenti strutturali in Italia meridionale.* «Ann. Geofis.», Volume unico, XXXV.

BOTTARI A. and LO GIUDICE E., 1982 - *Rappresentazione dei campi macrosismici.* Pubb. n. 177 Ist. Inter. Vulcan. - Rapporto presentato al Seminario Nazionale su «I Terremoti distruttivi della storia sismica italiana». Italian Geodynamical Project - C.N.R. Bologna - 13-17 settembre 1982.

BOTTARI A., FEDERICO B. and LO GIUDICE E. - *On the correlation between macroseismic attenuation trend and geo-structural framework. The Calabro-Peloritan Arc as an example.* «Tecnophysics» (in press).

CATALOGO DEI TERREMOTI AVVENUTI IN ITALIA dal 1000 al 1974-1975. - E.N.E.L.

CATALOGO SISMICO NAZIONALE ed ATLANTE MACROSISMICO, 1981 - *Open file report.* Ist. Nazionale di Geofisica - Roma.

CIARANFI N., GUIDA M. IACCARINO I. G., PESPATORE I., PIERI P., RAPISARDI L., RICCHETTI G., SGROSSO I., TORRE M., TORTORIO L., TURCO E., SCARPA R., CUSCITO M., GUERRA I., IANNACCONE G., PANZA G. F., SCANDONE P., - *Elementi sismottettonici dell'Appennino meridionale.* In press.

CINQUE A., ORTOLANI F., SGROSSO I., 1981 - *Problemi di neotettonica nell'area interessata dal sisma del 23 nov. 1980.* «Rend. soc. Geol. It.», 4, pp. 57-61.

COLOMBI B., GIESE P., LUONGO G., MORELLI G., RIUSCETTI M., SCARASCIA S., SHUTTE K. G., STROWARD J. and DE VISINTINI G., 1979 - *Preliminary report on the seismic refraction profile Gargano - Salerno - Palermo - Pantelleria (1971).* «Boll. Geofisica Teor. ed Appl.», XV (59), pp. 225-254.

CUSCITO N., PANZA G.F., 1981 - *Determinazione simultanea del momento sismico e dei parametri strutturali usando sismografi sintetici completi.* «Rend. Soc. Geol. It.», 4, pp. 477-478 - Roma.

DE VIVO P., DIETRICH D., GUERRA I., IANNACCONE G., LUONGO G., SCANDONE P., SCARPA

R., TURCO E., 1979 - *Carta Sismotettonica preliminare dell'Appennino meridionale.* Pubbl. n. 166 P. F. Geodinamica, C.N.R.

GASPARINI C., 1981 - *Il meccanismo focale del terremoto dell'Irpinia del novembre 1980. Relazione interna.* Istituto Nazionale Geofisico, Roma.

GRUPPO DI LAVORO SISMOMETRIA TERREMOTO DEL 23-11-1980, 1981 - *Il Terremoto Campano-Lucano del 23--11-1980. Elaborazione dei dati sismometrici.* «Rend. Soc. Geol. It.», 4, pp. 427-450, Roma.

MARCELLI L., SPADEA M. C., VECCHI M., 1979 - *Considerazioni e suggerimenti sul problema della interpretazione ed elaborazione di dati macrosismici.* In: «Atti seminario sui metodi di interpretazione dei dati sismici storici», Italian Geodynamical Project C.N.R. pubbl. N. 238 - 16 maggio 1979, Bologna.

ORTOLANI F., TORRE M., 1981 - *Guida all'escursione nell'area interessata dal terremoto del 23-11-1980.* «Rend. Soc. Geof. It.», 4, pp. 173-214, Roma 1982.

PESCATORE T., 1981 - *Lineamenti strutturali dell'Appennino Campano-Lucano.* «Rend. Soc. Geof. It.», 4, pp. 49-54.

PROCHASKOVA D., KARNIK V. (Editors), 1978 - *Atlas of isoseismal maps.* Geoph. Inst. of the Cechoslovack Acad. of Sc., Prague.

SERVA L., 1981a - *Il terremoto del 1688 nel Sannio.* In: «Contributo alla caratterizzazione della sismicità del territorio Italiano». memorie presentate al convegno annuale dell'Italian Geodynamical Project - C.N.R. - Commissione ENEA-ENEL, Udine 12-14 maggio 1981.

SERVA L., 1981b - *Il terremoto del 1694 in Irpinia e Basilicata.* In: «Contributo alla caratterizzazione della sismicità del territorio Italiano». Memorie presentate al Convegno annuale dell'Italian Geodynamical Project - C.N.R. - Commissione ENEA-ENEL, Udine 12-14 maggio 1981.

SHEBALIN N. V., 1974 - *Foci of the large earthquakes in USSR.* Geof. Inst. Akad. Nauka- Moscow (in Russian).

WISE D.U., FUNICELLO R., PAROTTO M. and SALVINI F., 1979 - *Domini di lineamenti e di fratture in Italia.* Pubbl. dall'Ist. di Geologia dell'Univ. di Roma.