

NATIONAL OBSERVATORY OF ATHENS

N° 13

SEISMOLOGICAL INSTITUTE

BULLETIN

1962



ATHENS 1966

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INTRODUCTION

Station site : The geographic coordinates of the seismographic station in Athens are: $37^{\circ} 58' 22''$ N and $23^{\circ} 43' 0''$ E. The instruments are standing 95 m above mean-sea-level on Cretaceous limestone.

Instruments : All the seismographs which were in operation in 1961 were also in operation in 1962. On April 1962 a standardized station was established. A set of three components Benioff short period seismographs and three components Columbia-Sprengnether long period seismographs were installed in a new-built vault in the underground of the seismological station and are operated since then continuously.

The mean constants of all the instruments which were in operation in 1962 are in the following table:

Type of Instruments	Period		Magnification		Damping Ratio	Mass Kgr	Drum Speed mm/min.
	Ts _{sec}	Tg _{sec}	atTs	static			
Wiechert (Z comp.)	1.6			169	1.3	1300	29+0.5
" (N-S comp.)	4.4			144	4.6	1000	30.5+0.5
" (E-W comp.)	4.8			165	4.2	1000	30.5+0.5
Mairka (N-S comp.)	3.6			68	2.8	135	30 - 32
" (E-W comp.)	3.5			54	4.3	135	30 - 32
Kritikos (N-S comp.)	2.1			4	4.4	40	38 - 42
Benioff (Z comp.)	1.0	0.25	10000			100	60
Benioff (Z comp.)	1.0	0.82	12500			107.5	60
" (N-S comp.)	1.0	0.77	12500			107.5	60
" (E-W comp.)	1.0	0.75	12500			107.5	60
Sprengnether (Z comp.)	30	100	1500			11.2	30
" (N-S comp.)	30	100	1500			10.75	30
" (E-W comp.)	30	100	1500			10.75	30

Presentation of Data. All times are Greenwich Mean Time, from midnight till midnight. The time is controlled by a Mercer vertical type chronometer for the seismographs with mechanical recording and by the timing system of the standardized station for the seismographs with optical recording. The chronometers are compared daily with signals from Pontoise radio station. The time signal is automatically recorded on the records of the seismographs with optical recording.

Symbols and abbreviations are the very known ones.

The distance of epicenter of the shallow shocks has been calculated by means of curves based on the time tables of JEFFREYS and BULLEN (1948), and that of deep shocks by means of the "Chart of Depth, Time and Distance for Deep-focus Earthquakes" by G.J. BRUNNER, S, J., Saint Louis University 1935. The travel time curves of near earthquakes after J.H. HONDGEON (1953) were proved more appropriate for the calculation of the Δ -distance of very near normal shocks ($\Delta < 200$ Km.).

The maxima Amplitudes measured from the medium line have been calculated in cases of strong-distance shocks by means of the formula:

$$W = \frac{V}{\sqrt{\left[1 - \left(\frac{T}{T_0}\right)^2\right]^2 + 4 \left(\frac{T_0}{2\pi\tau}\right)^2 \cdot \left(\frac{T}{T_0}\right)^2}}$$

The amplitudes have been omitted when the oscillations were too irregular.

The first part of the Bulletin contains readings of main impulses of distant shocks. Additional readings are given when possible. Data under heading remarks refer to the locations after U S C G S and B C I S and in some cases according to J S A or I N G. The magnitude is given ordinarily according to Pasadena and Uppsala. Readings of local and short distance shocks are given separately in the second part. The third section contains shocks felt in the Greek area which have not been recorded. The intensities of the shocks felt in Greece are shown in a Table.

On the annexed map there are plotted the epicenters of near shocks located by B C I S, and the corresponding area of highest intensity according to the reports of felt shaking. Intensities are given on Mercalli-Sieberg scale. In case of two near epicenters the strongly shaken area of the major earthquake and the region of the reported highest intensity of the minor shock are given.

Epicenters marked in by + denote on initial compression in Athens and by - an initial dilatation. In doubtful cases the symbols of the epicenters are not marked. Epicenters of probably deep shocks are marked by a triangle circumscribed. The data of the shocks are noted close to the symbols of the epicenters. The arabic figures below the symbols indicate the magnitude of the shocks derived to nearest tenth by means of the calibration formula :

$$M = 1,42 \log \Delta + 1,04 \log A + 0,20.$$

In case of lack of maximum amplitude of the horizontal ground motion in Athens the magnitude was approximately estimated from the number of stations, N, and the distances out to which the direct waves were recorded, R, as entered in the Bulletin of the B C I S, by means of the empirical formula:

$$M = 1,7 \log N + \log R.$$

Macroseismic magnitudes were computed from the epicentral intensity, I_0 , and the radius of the area of perceptibility, r, i.e., A, by means of the calibration formula:

$$M = 1,385 \log A I_0 - 2,315$$

or the equivalent :

$$M = 1,381 \log I_0 r^2 - 1,63$$

set up by the author.

Assuming that the highest intensity of surface shocks occurs at epicentral distance equal to the depth of the focus, the focal depth, h, was determined from the maximum intensity, I_0 , and the mean radius of the area over which the shock was felt, r, by means of the formula :

$$h/r = 1,47 I_0 - 1,5.$$

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The focal depths found by this formula are in a good agreement with those determined by the relative formula derived in 1942 by B. Gutenberg and C. Richter.

Four figures show, respectively, the earthquake energy released in the area of Greece per month in 1962, the intensity distribution in the area most strongly affected by the earthquake of August 28, 1962, the earthquake activity, as well as the strain release pattern, in the Area of Greece in 1962.

Chronological Summary:

From the numerous seismic disturbances occurred in the area of Greece during the year 1962, 121 shocks were strong enough to be located by B C I S or U S C G S. The shocks came from 98 foci; 8 of them were of intermediate focal depth. Of the 98 foci located in 1962, 45 foci released shocks of magnitude 4.7 or higher, and 29 of them were active for first time. Thus the number of earthquake foci which released shocks of magnitude ≥ 4.7 in the area of Greece during the period 1710-1962 total 739.

Damages of VI to VIII+ degree on Mercalli-Sieberg scale caused by 10 shocks were reported during the year 1962. The most severe of the damaging shocks was the intermediate earthquake of 28 August centered in Corinthia of Peloponnesus (37°7 N, 23°0 E). The shock was assigned an instrumental magnitude $6\frac{3}{4}$ and a macroseismic magnitude 6.9. The shocks of 26th January (35°1 N, 22°8 E) and of 10th April (37°6 N, 20°1 E) had a magnitude $6\frac{1}{4}$.

Damages of VII degree were reported on 10th April from Jannina of Epirus caused by a local shock (39°5 N, 20°5 E) of magnitude $4\frac{1}{4}$.

Damages of VI degree were reported from Aetolia, Zante, Arcadia, Chios, Corinthia and Boeotia, afflicted by shocks which occurred, respectively, on January 19 (38°5 N, 22°1 E), April 10 (37°6 N, 20°1 E), May 19 (37°5 N, 22°6 E), July 10 (38°4 N, 25°9), October 4 (38°1 N, 22°6 E) and October 16 (38°1/4 N, 23°1/2 E).

The western centre of higher strain release, vaguely expressed in 1961, is well marked in 1962 between Cephalonia

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and Zante due to a shock of magnitude $6\frac{1}{4}$ on April 10, 1962 (37°6 N, 20°1 E) which raised the tectonic flux to a level about four times higher than the annual average found for the above mentioned region.

The southeastern centre in spite of two shocks of magnitude 6 and $5\frac{1}{2}$ on April 28, 1962 (36°1 N, 27°0) and on September 10, 1962 (35°6 N, 27°5 E), respectively, is hardly expressed between Rhodos, Kos, Karpathos and Crete in the level of the average, corresponding to the region.

A bridge of lower strain energy release separates the two principal permanent centres.

Due to an intermediate earthquake of magnitude $6\frac{3}{4}$ on August 28, (37°7 N, 23°0 E) a transient centre was developed in the Isthmos of Corinth. In the new centre, which is hardly connected with the Cephalonia-Zante centre, the strain energy release a level about five times higher than the annual average corresponding to the region. The secondary centre of Albania shifted by a shock of magnitude $6\frac{1}{4}$ on March 18, 1962 (40°6 N, 19°5 E) of the northeast of Valona. The strain energy release hardly surpasses the annual average of the region. Finally, a shock of magnitude $5\frac{1}{2}$ on September 14, (39°6 N, 28°6 E) developed a transient centre in northern Anatolia. The strain release in this centre reached a level equal to $2\frac{1}{2}$ of the annual average found for the region.

Acknowledgments:

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February 1, 1966
Athens - Greece

Prof. Dr. A.G. Galanopoulos
Director of the Institute

A. LONG DISTANCE SHOCKS.

<u>Date</u>	<u>Phase</u>	<u>Time</u>	<u>Additional Readings and Remarks.</u>
Jan.			
1	ePKP	15 50 45 D	Traces. $\Delta=16,610$ km. ~ 149.5 dg. Loyalty Islands region, $22^{\circ}4$ S, $171^{\circ}5$ E.- H= $15:31:11.8$; h about 98 km. (USCGS).
2	eiPKP ₁ eiPKP ₂	12 07 09 D 13 C	Traces. $\Delta=16,280$ km. ~ 146.5 dg. Loyalty Islands region, $21^{\circ}9$ S, $169^{\circ}7$ E.- H= $11:47:30.0$; h about 56 km. (USCGS).
2	eP	12 30 49 D	Traces. $\Delta=4,670$ km. 42 dg. Svalbard region, 80° N 20° E.- H= $12:22:58$ (BCIS). M=5.6 (Uppsala).
3	ePKP ₁	07 09 24 C	Traces. $\Delta=16,280$ km. ~ 146.5 dg. Loyalty Islands region, $21^{\circ}6$ S, $169^{\circ}9$ E.- H= $06:49:45.7$; h about 33 km. (USCGS).
3	ePKP ₁	07 13 00 C	Aftershocks of Jan.3. Traces $\Delta=$ $16,280$ km. ~ 146.5 dg.- H= $06:53:$ 25 (BCIS).
3	eiPKP ₁ eiPKP ₂	00 10 07 D 12 D	Traces. $\Delta=16,280$ km.- ~ 146.5 dg. Loyalty Islands region, $21^{\circ}5$ S, $169^{\circ}9$ E.- H= $23:50:27.2$; h about 33 km. (USCGS).
4	eP	04 48 12 C	Traces. $\Delta=9,390$ km. ~ 84.5 dg. Near Shikoku, Japan. $33^{\circ}7$ N, $135^{\circ}2$ E.- H= $04:35:41.3$; h about 43 km. (USCGS). M= $6\frac{1}{2}$ (Matsushiro, Pasadena).

10.

Date	Phase	Time	Additional Readings and Remarks.
Jan. 7	eP eiPP eiS eiSS eiSSS	10 04 58 05 10 06 22 42 47	C D C C C Foreshock of Jan.11, $A_n=72 \mu$, $T_n=6.4$ sec., $A_e=64 \mu$, $T_e=5.6$ sec. $\Delta=830$ km. ~ 7.5 dg. $M=$ 6.4 (Athens). Yugoslavia $43^{\circ}15'$ N, $17^{\circ}05'E$.- $H=10:03:12$ (BCIS). $M=6.3$ (Kiruna). 2 Killed, 19 injured, heavy damage centering around Makarska. On the outs- skirts of Makarska 400 houses was damaged.
7	eP eiS	13 49 59 51 21	C C Foreshock of Jan.11. Traces. $\Delta=830$ km. 7.5 dg. Yugoslavia.- $H=13:48:06$ (BCIS).
7	eiP eiPPP eiS	18 08 54 09 13 10 14	D C C Foreshock of Jan.11. Traces. $\Delta=830$ km. ~ 7.5 dg. Yugoslavia.- $H=18:07.3$ (BCIS).
7	eP eiPPP	19 26 23 45	C C Foreshock of Jan.11. Traces. $\Delta=830$ km. ~ 7.5 dg. Yugoslavia.- $H=19:24:36$ (BCIS).
8	eiP eiS	01 12 42 22 59	D D Very Weak. $\Delta=9,110$ km. $\sim 82^{\circ}$ dg. Near south coast of Dominican Republic. $18^{\circ}4'N$, $70^{\circ}4'W$.- $H=01:00:22.7$ (USCGS). $M=6\frac{1}{2}$ (Pasadena); 1 killed, 6 injured, damage at San Jose de Ocoa and Azna.
9	eP	12 53 15	D Traces. $\Delta=9,220$ km. ~ 83 dg. Near coast of Hokkaido, Japan. $43^{\circ}0'N$, $144^{\circ}9'E$.- $H=12:40:49.3$; h about 53 km. (USCGS). $M=6$ (Peking, Kew, Uppsala, Kiruna).
11	eiP ePP eiPPP iS	05 06 48 58 07 07 08 13	C C C C $A_n=117 \mu$, $T_n=6$ sec., $A_e=88 \mu$, $T_e=5.8$ sec., $\Delta=830$ km. $\sim 7^{\circ}5$ dg. $M=6.5$ (Athens). Near coast of central Yugoslavia. $43^{\circ}.18'N$,

11.

Date	Phase	Time	Additional Readings and Remarks.
Jan. 11			$17^{\circ}02'E$.- $H=05:05:03$ (BCIS). $M=$ 6.0 (Uppsala, Kiruna, Peking, Mos- caw). 4 killed, 30 injured, damage particularly at Padgora, Drasnice, Brist, Zaoztrog, Igrane. Rockfalls in the region of Drasnice increas- ed the damage.
11	eP	05 36 10	D Aftershock of Jan. 11. Traces. $\Delta=830$ km. ~ 7.5 dg. Yugoslavia. $H=05:33.6$ (BCIS).
11	eiP eiS	05 44 02 45 25	D D Aftershock of Jan. 11. Traces. $\Delta=830$ km. ~ 7.5 dg. Yugoslavia.- $H=05:42:23$ (BCIS).
11	eP eiPPP eiS	05 51 49 52 06 53 13	D C C Aftershock of Jan.11. Traces. $\Delta=$ 830 km. ~ 7.5 dg. Yugoslavia.- $H=05:50:06$ (BCIS).
11	eiP eiPP eiPPP eiS	10 04 23 34 40 05 48	C D C C Aftershock of Jan.11. Very weak; $\Delta=830$ km. ~ 7.5 dg. Yugoslavia.- $H=10:02:38$ (BCIS). $M=5.2$ (Praha).
12	eiPKP	11 35 51	D Traces. $\Delta=15,780$ km. ~ 142 dg. South Pacific Ocean. $34^{\circ}6'S$, $111^{\circ}9$ W .- $H=11:16:14.8$; n about 33 km. (USCGS).
12	eP eiS	20 50 17 51 40	D D Aftershock of Jan.11. Very weak. $\Delta=830$ km. ~ 7.5 dg. Yugoslavia.- $H=20:48:36$ (BCIS).
13	eiP eiS	04 49 45 51 07	C C Aftershock of Jan.11. Very weak. $\Delta=830$ km. ~ 7.5 dg. Yugoslavia.- $H=04:48:03$ (BCIS).
13	eP eiS	13 03 08 04 32	C C Aftershock of Jan.11. Traces. $\Delta=830$ km. ~ 7.5 dg. Yugoslavia.- $H=13:01:29$ (BCIS).

12.

Date	Phase	Time	Additional Readings and Remarks.
Jan. 13	eP eiPPP eiS	13 51 46 D 52 04 C 53 05	Aftershock of Jan.11. Traces. $\Delta=830$ km. ~ 7.5 dg. Yugoslavia.- H=13:50.1 (BCIS).
14	e(P) eS	16 45 00 C 46 24	Aftershock of Jan.11. Traces. $\Delta=830$ km. ~ 7.5 dg. Yugoslavia.- H=16:43:15 (BCIS).
19	eiP	03 42 39 C	Traces. $\Delta=2,720$ km. ~ 24.5 dg. Caspian sea, 39°9 N, 54°7 E.- H=03:37:22.4. M=4 ¹ / ₄ (Moscow).
19	e(P)	05 03 05 C	Traces. $\Delta=830$ km. ~ 7.5 dg. Italy 41°40' N, 15°42' E.- H=05:01:08 (Roma). M=4.3 (Roma).
20	eiP ePP	03 36 11 C 42 D	Traces. $\Delta=2,390$ km. 21°5 dg. Iran, 31°2 N, 48°9 E.- H=03:31:24.6: h about 33 km. (USCGS). M=4 ¹ / ₂ . (Moscow).
21	eiP eiPP eiS	02 53 19 C 29 C 54 40	Traces. $\Delta=780$ km. ~ 7 dg. Yugos- lavia, 43°1 N, 17°1 E.- H=02:51: 37 (BCIS). M=4 ¹ / ₂ (Moscow).
21	e(P) eiS	13 39 09 D 40 30	Probably aftershock of Jan.11. Traces. $\Delta=830$ km. ~ 7.5 dg.
21	eP	19 44 51 C	Aftershock of Jan.11. Traces.- $\Delta=830$ km. ~ 7.5 dg. Yugoslavia.- H=19:43:10 (BCIS).
22	eP eiPP eiS	15 09 16 D 27 C 10 44	Aftershock of Jan.11. Traces. $\Delta=830$ km. ~ 7.5 dg. Yugoslavia.- H=15:07:36 (BCIS). M=4.3 (Roma).
23	eP ePPP e(S)	17 34 00 20 35 51	Traces. $\Delta=1,110$ km. ~ 10 dg. Near coast of Emilia Romagna, Italy. 44°2 N, 12.9 E.- H=17: 31:39 (BCIS). M=5 (Rome).

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Date	Phase	Time	Additional Readings and Remarks.
Feb. 4	eP	21 39 12	Traces. $\Delta=6,220$ km. ~ 56 dg. South Atlantic Ocean, 0°5 S, 20°2 W.- H=21:29:37.2; h about 33 km. (USCGS). M=5.8 (Kiruna).
5	eiP	23 08 15 D	Traces. $\Delta=9,500$ km. ~ 85.5 dg. Central Honshu, Japan. 35°9 N, 139°1 E.- H=22:55:51.9; h about 136 km. (USCGS). M=6.2 (Uppsala).
8	eiP	19 52 22 D	Traces. $\Delta=8,610$ km. ~ 77.5 dg. Sumatra 0°6 N, 98°6 E.- H=19:40: 29.7, h about 48 km. (USCGS). M= 5 ¹ / ₄ (Matsushiro).
11	eP	02 54 50 C	Traces. $\Delta=10,000$ km. ~ 90 dg. South of Honshu, Japan, 29°6 N, 139°1 E.- H=02:42:35.6; h about 400 km. (USCGS). M=6 ¹ / ₄ (Pasadena)
11	ePKP epPKP	19 14 18 D 52	Traces. $\Delta=13,720$ km. ~ 123.5 dg. New Ireland region, 4°5 S, 153°5 E.- H=18:55:32.8; h about 110 km. (USCGS). M=6 (Berkeley).
15	eiP	10 09 30 D	Traces. $\Delta=10,720$ km. ~ 96.5 dg. Prince Edouard Island, 48°4 S, 31°1 E.- H=09:56:03.1; h about 33 km (USCGS).
18	eP	17 38 20 D	Traces. $\Delta=10,170$ km. ~ 91.5 dg. Northern Colombia, 8°1 N, 74°8 W. H=17:25:14.8; h about 41 km. (USCGS). M=6-6 ¹ / ₄ (Matshshiro).
20	eP	09 27 04 D	Traces. $\Delta=7,670$ km. ~ 69 dg. Nico- bar Islands, 6°7 N, 92°4 E.- H= 09:15:58.3; h about 33 km. (USCGS) M=5 ¹ / ₂ -5 ³ / ₄ (Matsushiro).
20	eP	16 18 07 D	Traces. $\Delta=9,220$ km. ~ 83 dg. Near

14.

Date	Phase	Time	Additional Readings and Remarks.
Feb. 20			coast of Hokkaido, Japan, 43.1° N, 144.8° E.- H=16:05:45.4; h about 56 km. (USCGS). M=6.5 (Kiruna, Uppsala).
20	e P eiPP	22 12 53 15 16	Traces. $\Delta=6,830$ km. ~ 61.5 dg. Northern Burma. 25.8° N, 96.8° E.- H=22:02:39.6; h about 33 km. (USCGS). M=6.6 (Kiruna, Uppsala).
27	e P	21 36 05	Traces. $\Delta=880$ km. ~ 8 dg. Romania, 45.7° N, 26.4° E.- H=21:34:10.8; h about 146 km. (USCGS).
March 3	e P	12 28 11 C	e?28:10. Traces. $\Delta=10,500$ km. ~ 94.5 dg. Near east coast of Mindanao, P.I., 7.4° N, 126.6° E.- H=12:14:56.2; h about 87 km. (USCGS). M=6.1 (Uppsala).
6	e?(P)	06 06 29 C	Traces. $\Delta=7,280$ km. ~ 65.5 dg. Andaman Islands 13.6° N, 93.4° E. H=05:55:44.8; h about 33 km. (USCGS). M=5.8 (Uppsala).
7	e?(P) eipP	11 13 42 C 17 57	Traces. $\Delta=11,165$ km. ~ 100.5 dg. Moriana Islands. 19.2° N, 145.1° E.- H=11:01:04.6; h about 685 km. (USCGS). M=7 (Pasadena).
11	e?(P)	19 32 23 D	Traces. $\Delta=10,445$ km. ~ 94 dg. Near east coast of Mindanao, P.I. 9.0° N, 126.5° E.- H=19:19:09.4; h about 51 km. (USCGS). M=6.5 (Uppsala, Kiruna).
19	eiP eiPP	06 07 55 D 11 57 C	Traces. $\Delta=10,890$ ~ 98 dg. Near south coast of Minahossa Peninsula, Celebes Islands; 0.2° N, 123.6° E.- H=05:54:36.9; h about

15.

Date	Phase	Time	Additional Readings and Remarks.
March 19			150 km. (USCGS). M=6.5 (Uppsala).
21	eiPKP ₁ eiPKP ₂	02 50 06 C 12 C	Traces. $\Delta=16,390$ km. ~ 147.5 dg. Loyalty Islands; 22.2° S, 170.4° E.- H=02:30:18.5; h about 25 km. (USCGS).
24	eiPKP	13 18 05	Traces. $\Delta=13,000$ km. ~ 117 dg. Near north coast of New Guinea 5.75° , 145.2° E.- H=12:59:32.3; h about 98 km (USCGS) M = 6 (Paking).
26	eiP	12 14 29 D	Traces. $\Delta=6,055$ km. ~ 54.5 dg. Mid-Atlantic Ocean. 0.35° , 19.5° W. H=12:04:58.3; h about 33 km (USCGS).
28	eiP	00 59 28 D	Traces. $\Delta=4,220$ km. ~ 38 dg. Hindu Kush; 36.6° N 71.6° E.- H=00:51:54.7; h about 108 km (USCGS).
28	eS	04 26 44	Traces. $\Delta=8,440$ km. ~ 76 dg. Near West coast of Sumatra; 1.3° N, 97.3° E.- H=04:05:19.3; h about 33 km. (USCGS) M=5.8 (Uppsala).
28	eP	13 34 27	Traces. $\Delta=4,890$ km. ~ 44 dg. Karakh S.S.R. 45.7° N, 83.2° E.- H=13:26:21.1; h about 33 km. (USCGS). M=4 ¹ / ₂ (Peking, Moscow).
31	eiP	23 41 19 D	Traces. $\Delta=2,220$ km. ~ 20 dg. Western Iran; 34.0° N, 48.0° E.- H=23:36:44.3; h about 25 km. (USCGS).
Apr. 1	eP	00 51 10 D	Traces. $\Delta=3,220$ km. ~ 29 dg. East Iran; 33.6° N, 59.0° E.- H=00:45:14.6; h about 33 km. (USCGS). M=5.8 (Kiruna, Uppsala). Two killed and 3 injured at Tajkough and

Date	Phase	Time	Additional Readings and Remarks.
Apr. 1			Mousavich.
3	eiPKP	18 57 21 C	Traces. $\Delta = 16,220$ km. ~ 146 dg. Loyalty Islands, $20^{\circ}8$ S, $169^{\circ}4$ E. - H=18:37:47.5; h about 40 km. (USCGS).
7	eiP	23 15 59 D	Traces. $\Delta = 8,500$ km. ~ 76.5 dg. Windward Islands $15^{\circ}0$ N, $60^{\circ}5$ W. H=23:04:12.3; h about 77 km. (USCGS). M=6.3 (Trinidad).
10	eiP	10 44 11 D	Traces. $\Delta = 9,165$ km. ~ 32.5 dg. Near coast of Kamchatka, $51^{\circ}1$ N, $157^{\circ}7$ E. - H=10:31:58.5; h about 33 km. (USCGS). M=4 ³ / ₄ (Matsushiro).
11	eP	15 50 05	Traces. $\Delta = 835$ km. ~ 7.5 dg. Yugoslavia about 44° N, $170^{\circ}1/2$ E. - H=15:48.3 (BCIS).
12	iP iPP iS	01 05 19 CSW 08 44 C 15 42	Very weak. $\Delta = 9500$ km. ~ 85 dg. Near east coast of Houshu, Japan. $38^{\circ}1$ N, $142^{\circ}3$ E. - H=00:52:44.8; h about 48 km. (USCGS). M=7-7 ¹ / ₄ (Pasadena).
13	eP	18 44 21	Traces. $\Delta = 5,110$ km. ~ 46 dg. Kazakh S.S.R.-China border $49^{\circ}1$ N, $87^{\circ}2$ E. - H=18:35:58.3; h about 28 km. (USCGS). M=6.0 (Uppsala).
15	eiP eiS	18 17 39 DN 25 05	Traces. $\Delta = 5,780$ km. ~ 52 dg. Ascension Island region; $2^{\circ}7$ S, $11^{\circ}6$ W. - H=18:08:27.3; h about 25 km. (USCGS). M=5 (Moscow).
15	eiP eiS	18 54 38 CNE 19 02 04	Traces. $\Delta = 5,780$ km. ~ 52 dg. Ascension Island region; $2^{\circ}9$ S, $11^{\circ}9$ W. - H=18:45:17.4; h about

Date	Phase	Time	Additional Readings and Remarks.
Apr. 15			25 km. (USCGS). M=4.8 (Uppsala), Kiruna).
16	e PP	18 13 45	Traces. $\Delta = 12,000$ km. ~ 108 dg. Prince Edward Islands $44^{\circ}8$ N, $37^{\circ}2$ E. - H=17:54:49.2; h about 25 km. M=5 ¹ / ₄ -5 ¹ / ₂ (Matsushiro).
17	e P eiPP eiS	22 44 14 C 46 20 C 51 46	Very Weak. $\Delta = 5,890$ km. ~ 53 dg. Mid-Atlantic Ocean; 195 S, $14^{\circ}9$ W. - H=22:34:56.7; h about 25 km. (USCGS). M=5.8 (Uppsala).
18	ePP eiSKS	19 33 10 DN 39 23	Traces. $\Delta = 11,780$ km. ~ 106 dg. Off coast of Peru; $9^{\circ}9$ S, $78^{\circ}9$ W. - H=19:14:35.6; h about 23 km. (USCGS). M=6 ¹ / ₄ -6 ¹ / ₂ (Matsushiro).
19	eiP	23 26 34 DN	Traces. $\Delta = 7,110$ km. ~ 64 dg. Siberia, U.S.S.R. $67^{\circ}8$ N, $138^{\circ}8$ E. - H=23:16:07.0; h about 17 km. (USCGS). M=6.2 (Uppsala).
20	iP iSKS	06 00 17 CSE 10 29 DSE	Traces. $\Delta = 9,055$ km. ~ 81.5 dg. Near north coast of Haiti, $20^{\circ}6$ N, $72^{\circ}2$ W. - H=05:47:55.3; h about 25 km. (USCGS). M=6 ¹ / ₂ -6 ³ / ₄ (Matsushiro, Pasadena).
22	eiSKS e PS	05 09 35 12 00	Traces. $\Delta = 11,165$ km. ~ 100.5 dg. Near coast of Chiapas, Mexico, $15^{\circ}5$ N, $93^{\circ}1$ W. - H=04:45:20.3; h about 69 km. (USCGS). M=5 ¹ / ₂ (Bekeley).
23	iP iPP	06 10 35 CNW 13 47 CSW	Very weak. $\Delta = 9.165$ km. ~ 82.5 dg. Hokkaido, Japan; $42^{\circ}9$ N, $143^{\circ}4$ E. H=05:58:04.9, h about 25 km. (USCGS). M=7-7 ¹ / ₄ (Pasadena).

18.

Date	Phase	Time	Additional Readings and Remarks.
Apr. 25	eiP e S	16 00 03 C 10 25	Very weak. $\Delta=9,500$ km. ~ 85.5 dg. Honshu Japan; $38^{\circ}4$ N, $142^{\circ}5$ E.- H=15:47:29.4; h about 56 km. (USCHS). M=6.3 (Matsushiro).
26	eiPKP	07 45 18 D	Traces. $\Delta=16,835$ km. ~ 151.5 dg. Fiji Islands $17^{\circ}3$ S, $179^{\circ}1$ W.- H=07:26:31.3; h about 657 km. (USCGS). M=7 ¹ / ₂ (Berkeley).
26	e S	13 11 45	Traces. $\Delta=780$ km. ~ 7 dg. Coast of Dalmatia about 43° N, 17° E.- H=13:08:55 (BCIS).
26	e SS	18 20 06	Traces. $\Delta=1,500$ km. ~ 13.5 dg. East Turkey $39^{\circ}5$ N, $41^{\circ}0$ E.- H=18:14:04 (Moscow). M=4 (Moscow).
27	eiPS	07 17 46 D	Traces. $\Delta=13,500$ km. ~ 121.5 dg. Southern Chile $44^{\circ}4$ S, $74^{\circ}8$ W.- H=06:47:27.0; h about 31 km (USCGS). M=6 (Matsushiro).
30	eiP eiPP eiS	02 38 55 C 42 12 C 49 21	Very weak. $\Delta=9,335$ km. ~ 84 dg. Honshu Japan $38^{\circ}8$ N, $140^{\circ}9$ E.- H=02:26:30; h about 104 km. (USCGS). M=6 ¹ / ₂ -6 ³ / ₄ (Pasadena).
30	ePKP ₁ eiPKS	16 36 49 D 17 00 23	Traces. $\Delta=17,055$ km. ~ 153.5 dg. Tonga Islands region, $18^{\circ}1$ S, $176^{\circ}1$ W.- H=16:16:51.2; h about 33 km. (USCGS). M=6 ¹ / ₂ (Pasadena).
30	ePKP	18 50 47 C	Traces. $\Delta=17,055 \sim 153.5$ dg. Fiji Islands region, $18^{\circ}1$ S, $176^{\circ}2$ W.- H=18:31:05.9; h about 92 km. (USCGS). M=5 ¹ / ₂ -5 ³ / ₄ (Matsushiro).

19.

Date	Phase	Time	Additional Readings and Remarks.
Apr. 30	e P e S	23 57 30.5 C 24 03 14.5	Traces. $\Delta=4,170$ km. ~ 37.5 dg. Svalbard refion, $73^{\circ}7$ N, $7^{\circ}0$ E.- H=23:50:20 (BCIS). M=5 ¹ / ₄ (Praha).
May 1	eiP	10 04 47	Traces. $\Delta=2,350$ km. $\sim 21,2$ dg. Nuclear explosion. Southern Algeria $24^{\circ}2$ N, $5^{\circ}1$ E.- H=10:00:00.0; h about 0 km. (USCGS).
1	e S	21 28 46	Traces. $\Delta=7,890$ km. ~ 71 dg. Mascarene Islands region. $20^{\circ}0$ S, $65^{\circ}7$ E.- H=21:08:16.1; h about 39 km. (USCGS).
2	ePPS	03 06 44	Traces. $\Delta=8,830$ km. ~ 79.5 dg. Kodiak Island, Alaska region; $55^{\circ}9$ N, $156^{\circ}1$ W.- H=02:43:25.9; h about 25 km. (USCGS). M=5 ¹ / ₄ (Moscow).
2	eSKS	09 20 38	Traces. $\Delta=11,580$ km. ~ 104 dg. Jujuy Province, Argentina, $23^{\circ}7$ S, $66^{\circ}4$ W.- H=08:56:31.6; h=177 km. (USCGS).
3	e PP	03 53 48 C	Traces. $\Delta=12,010$ km. ~ 108 dg. Sandwich Islands region, $60^{\circ}0$ S, $32^{\circ}9$ W.- H=03:34:49; h about 20 km. (USCGS). M=6.0 (Uppsala).
3	e S	23 36 59	Traces. $\Delta=2,720$ km. ~ 24.5 dg. Off the north coast of Spain, $43^{\circ}6$ N, $5^{\circ}3$ W.- H=23:27:26 (BCIS).
5	ePS	11 35 00	Traces. $\Delta=8,945$ km. ~ 80.5 dg. Near south coast of Honshu, Japan, $34^{\circ}1$ N, $139^{\circ}3$ E.- H=11:11:49.3; h=57 km. (USCGS). M=5.6 (Matsushiro).

20.

Date	Phase	Time	Additional Readings and Remarks.
May 6	eiPKS	04 48 55	Traces. $\Delta=16,045$ km. ~ 144 dg. New Hebrides Islands. Tanna Islands, $19^{\circ}3$ S, $168^{\circ}7$ E.- H=04:25:37 (Noumea).
6	eiPP eiSKS	19 19 10 CN 25 18	e 18:48 C, ei 21:43. Traces. $\Delta=12,055$ km. ~ 108.5 dg. Sandwich Islands region, $60^{\circ}2$ S, $38^{\circ}5$ W.- H=19:00:13.5; h=33 km. (USCGS). M=7 (USCGS, Palisades).
7	ei P eiPP ei S	17 52 14 CS 55 29 D 02 31 SW	Traces. $\Delta=9,190$ km. ~ 82.5 dg. Kurile Islands, $45^{\circ}2$ N, $146^{\circ}9$ E.- H=17:39:50.3; h=20 km. (USCGS). M=6.7 (Uppsala).
10	eiPP ei S	00 15 45 CSW 25 44	Traces. $\Delta=8,910$ km. ~ 80 dg. Alaska, $62^{\circ}0$ N, $150^{\circ}1$ W.- H=00:03:40.2; h about 72 km. (USCGS). M=5-5 ¹ / ₄ (Matsushiro).
10	e P e S	05 25 11 CS 35 48	Traces. $\Delta=9,905$ km. ~ 89 dg. Fox Islands. Aleutian Islands, $52^{\circ}4$ N, $170^{\circ}9$ W.- H=05:12:15.9; h about 43 km. (USCGS). M=5.9 (Uppsala, Kiruna).
11	e S	01 10 11	Traces. $\Delta=1,225$ km. ~ 11 dg. Italy. $44^{\circ}02'$ N, $11^{\circ}20'$ E.- H=01:05:30.0 (BCIS).
11	eiP ei(PP) ei S	14 25 55 CE 30 12 E 36 36	Traces. $\Delta=11,670$ km. ~ 105 dg. Near coast of Mexico, $17^{\circ}0$ N, $99^{\circ}6$ W.- H=14:11:54.1; h about 40 km. 4 dead, many injured and extensive property damage in south central Mexico. Seismic sea wave, with Maximum amplitude about 2 ¹ / ₂ feet was reported at Acapulco (USCGS). M=7.2 (Uppsala, Kiruna).

21.

Date	Phase	Time	Additional Readings and Remarks.
May 15	ei(P) eiPP eiS eiPPS	05 37 56 C 42 28 S 49 51 51 39	Traces. $\Delta=11,780$ km. ~ 106 dg. Banda Sea, $7^{\circ}3$ S, 128° E.- H=05:23:46.4; h about 34 km. (USCGS). M=7-7 ¹ / ₄ (Passadena).
15	eiP	19 44 37.5 DW	Traces. $\Delta=9,055$ km. ~ 81.5 dg. Near east coast of Kamchatka, $53^{\circ}4$ N, $159^{\circ}6$ E.- H=19:32:22.5; h about 30 km. (USCGS). M=5 (Moscow).
18	e P	12 19 25	Traces. $\Delta=4,330$ km. ~ 39 dg. North Atlantic Ocean, $49^{\circ}1$ N, $28^{\circ}7$ W.- H=12:12:01 (BCIS).
18	e P	18 59 04	Traces. $\Delta=9,200$ km. ~ 83 dg. Kuriles Islands $46^{\circ}1$ N, $148^{\circ}5$ E.- H=18:46:40.1; h about 60 km. (USCGS).
18	ePKP ₁ ePKP ₂	23 38 45 39 04	Traces. $\Delta=17,060$ km. ~ 153.5 dg. Tonga Islands region $16^{\circ}0$ S, $173^{\circ}0$ W.- H=23:18:46.9; h about 25 km. (USCGS). M=5 ¹ / ₄ (Matsushira).
19	eiP eiPP eiSKS eiPS	15 12 15 CSE 16 32 CSE 22 55 25 42	Very weak. $\Delta=11,500$ km. ~ 103.5 dg. Near coast of Mexico, $17^{\circ}2$ N, $99^{\circ}5$ W.- H=14:58:15.1; h about 33 km. 3 dead, 16 injured and extensive property damage in south central Mexico (USCGS). M=7-7 ¹ / ₄ (Passadena).
19	e P	21 38 15	Traces. $\Delta=6,180$ km. ~ 55.5 dg. Assam, India, $26^{\circ}7$ N, $92^{\circ}2$ E.- H=21:28:39.7; h about 15 km. (USCGS).
21	eiP ei(PPP) ei(S)	12 12 29 CSW 15 49 DE 20 21	Traces. $\Delta=6,210$ km. ~ 56 dg. Chinghai Province, China, $37^{\circ}3$ N, $96^{\circ}0$ E.- H=12:02:50.6; h about 25 km. (USCGS). M=7-7 ¹ / ₄ (Passadena).

22.

Date	Phase	Time	Additional Readings and Remarks.
May 21	eiP	12 45 57	Traces. $\Delta=6215$ km. ~ 56 dg. Chinghai Province, China, $37^{\circ}0$ N, $95^{\circ}9$ E. - H=12:36:19,7; h about 25 km. (USCGS).
21	e P	13 25 18 C	Traces. $\Delta=6215$ km. ~ 56 dg. Chinghai Province, China, $37^{\circ}0$ N, $95^{\circ}7$ E. - H=13:15:39.4; h about 25 km. (USCGS). M=5 ³ / ₄ (Moscow).
21	ePKP eiSKS	21 34 40 D 41 07	ei 3449 D. Very weak. $\Delta=17,110$ km. ~154 dg. Fiji Islands region, $19^{\circ}8$ S, $177^{\circ}4$ W. - H=21:15:30.0; h about 342 km. (USCGS). M=6 ³ / ₄ -7 (USCGS).
22	ePKP ePP	08 25 44 W 28 33 C	e? 25:32 C. Very weak. $\Delta=15310$ km. ~138 dg. Santa Cruz Islands. $12^{\circ}3$ S, 166° E. - H=08:06:38.9; h about 135 km. (USCGS). M=6-6 ¹ / ₄ (Matshshiro).
22	ePP	22 24 04	Traces. $\Delta=13,590$ km. ~ 122.5 dg. New Britain., $5^{\circ}4$ S, $151^{\circ}9$ E. - H=22:03:31.1; h about 54 km. (USCGS). M=6 ¹ / ₂ (Matsushiro).
23	eiP	01 51 40 C	Traces. $\Delta=6170$ km. ~ 55.5 dg. Chinghai Province, China. $37^{\circ}1$ N, $96^{\circ}0$ E. - H=01:42:12.2; h about 50 km. (USCGS). M=5 ¹ / ₄ -5 ¹ / ₂ (Moscow).
25	ePP	00 58 20	Traces. $\Delta=4560$ km. ~ 41 dg. South of Greenland $58^{\circ}9$ N, $31^{\circ}2$ W. - H=00:48:55 (BCIS).
29	e	21 55.2	Traces. Andreanof Islands, Aleutian Islands $51^{\circ}8$ N, $177^{\circ}1$ W.

23.

Date	Phase	Time	Additional Readings and Remarks.
May 29			H=21:00:16.4; h about 25 km. (USCGS).
30	e P	10 12 19 C	e? 1207. Traces. $\Delta=6060$ km. ~ 54.5 dg. North Atlantic Ocean, $29^{\circ}9$ N, $42^{\circ}7$ W. - H=10:02:53.0; h about 33 km. (USCGS). M=5 (USCGS, Collm, Kew, Palisades, Moscow).
31	e(SS)	02 12 32	Traces. $\Delta=4220$ km. ~ 38 dg. Off coast of west Pakistan, $24^{\circ}7$ N, $66^{\circ}0$ E. - H=01:57:04.5; h about 33 km. (USCGS). M=4 ¹ / ₂ (Moscow).
31	eP	06 41 28 C	Traces. $\Delta=10780$ km. ~ 97 dg. Volcano Islands region, $22^{\circ}0$ N, $142^{\circ}7$ E. - H=06:28:26.1; h about 258 km. (USCGS). M=6 ¹ / ₂ (Pasadena).
June 2	ePS	12 51 03	Traces. $\Delta=9,890$ km. ~ 29 dg. Vancouver Island region $49^{\circ}9$ N, $129^{\circ}7$ W. - H=12:26:11.0; h about 33 km. (USCGS). M=5 ¹ / ₄ (Matshshiro).
2	eP eSKS	17 27 37 C 38 00	Traces. $\Delta=9,330$ km. ~ 84 dg. Kyushu, Japan $29^{\circ}9$ N, $130^{\circ}7$ E. - H=17:15:13.8; h about 54 km. (USCGS). M=6 (Kew).
3	ei S	03 36 37	Traces. $\Delta=780$ km. ~ 7 dg. Adriatic sea about $42^{\circ}5$ N, $16^{\circ}5$ E. H=03:33.5 (BCIS).
3	e P eiS	15 12 34 20 52	Very weak. $\Delta=6,720$ km. ~ 60.5 dg. North Atlantic $22^{\circ}3$ N, $45^{\circ}1$ W. - H=15:02:26.4; h about 33 km. (USCGS). M=5 ¹ / ₂ -5 ³ / ₄ (Matshushiro).
4	eiS	05 34 33.	Traces. $\Delta=830$ km. ~ 7.5 dg. Adriatic Sea, $42^{\circ}7$ N, $16^{\circ}0$ E. - H=05:31:27 (BCIS).

24.

Date	Phase	Time	Additional Readings and Remarks.
June 6	e	18 42 57	Traces. North California. 39°0 N, 123°3 W.- H=17:50:06.8, h about 14 km. (USCGS). M=5 ¹ / ₄ . (Berkeley, USCGS).
14	eiP eiSKS	08 04 18 C 14 40	Very weak. Δ=9280 km. ~ 83,5 dg. Commander Islands region, 54°4 N, 169°1 E.- H=07:51:53.3; h about 30 km. (USCGS). M=6-6 ¹ / ₄ (Pasadena, Palisades).
15	e(PP)	06 49 05	e 47:50. Traces. Δ=11,700 km. ~ 105.5 dg. Near coast of northern Chile, 20°5 S, 70°6 W.- H=06:30:35.7; h about 33 km. (USCGS). M=5 ¹ / ₂ (Roma, Santa Lucia).
18	ePKP	00 01 21 D	Very weak. Δ=13,445 km. ~ 121 dg. New Britain region, 4.9 S, 152°0 E.- H=23:42:37.1; h about 100 km. (USCGS). M=5 ³ / ₄ (Matshshiro).
23	eiP e(S)	05 10 01 C 14 07	Traces. Δ=2,555 km. ~ 23 dg. Persian Gulf, 29°8 N, 49°2 E.- H=05:04:59 (USCGS).
23	e P eiPP eiS	09 57 13 10 00 35 07 37	Very weak. Δ=9500 km. ~ 85.5 dg. Ryukyu Islands, 25°5 N, 128°3 E.- H=09:44:38.9; h about 33 km. (USCGS). M=6.5 (Kew).
24	eiP e(S)	01 31 57 C 40 42	Traces. Δ=7,280 km. ~ 65.5 dg. Yunnan Province, China. 25°6 N, 101°2 E.- H=01:21:17.9; h about 33 km. (USCGS). M=6 (Uppsala).
25	eiP eiS	11 22 44 32 58	Very weak. Δ=9,110 km. ~ 82 dg. Off coast of Formosa, 24°2 N, 122°5 E.- H=11:10:26.0; h about 33 km. (USCGS). M=5 ³ / ₄ -6 (Pasadena).

25.

Date	Phase	Time	Additional Readings and Remarks.
June 28	ePP ePS	04 47 55 57 48	Traces. Δ=13,600 km. ~ 122.5 dg. Hawaii Island, Hawaii, Slight damage on Hawaii 19°8 N, 155°6 W. H=04:27:16.1; h about 15 km. (USCGS). M=5 ¹ / ₄ -5 ¹ / ₂ (Palisades, Matsushiro).
29	e P	16 40 12 C	Traces. Δ=8,880 km. ~ 80 dg. Alaska, 62°4 N, 152°0 W.- H=16:28:07.1; h about 50 km. (USCGS). M=5 ¹ / ₂ (Matsushiro).
29	e P ei(PP) eiS	22 40 28 51 D 44 24	Very weak. Δ=2,370 km. ~ 21.5 dg. Iran. 32°2 N, 48°7 E.- H=22:35:41 (BCIS). M=5.6 (Uppsala).
30	e P eiSKS	19 42 33 C 52 45.5	Traces. Δ=9,610 km. ~ 86.5 dg. Near coast of Luzon, Philippine Islands, 16°3 N, 122°1 E.- H=19:29:57.9; h about 82 km. (USCGS). M=5 ¹ / ₂ -5 ³ / ₄ (Matshshiro).
July 1	e PP	01 54 45D	Traces. Δ=15,560 km. ~ 140 dg. New Hebrides 14°1 S, 167°2 E.- H=01:32:11, h about 156 km. (USCGS).
1	eiP	11 51 04 C	Traces. Δ=2,280 km. ~ 20.5 dg. Off coast of Azerbaijan S.S.R. 40°8 N, 49°9 E.- H=11:46:29.8; h about 46 km. (USCGS and BCIS) M=4 (Moscow).
2	ePKP	08 51 53 C	Traces. Δ=15,170 km. ~ 136.5 dg. Santa Cruz Island 10°3 S, 165.9 E.- H=08:32:37.9; h about 50 km. (USCGS and BCIS). M=6 ¹ / ₂ -6 ³ / ₄ (Pasadena).
3	ePKP ₁	18 33(40)	Traces. Δ=17,780 km. ~ 160 dg.

26.

Date	Phase	Time	Additional Readings and Remarks.
July 3			About 600 miles west of Macquarie Island, 56°3 S, 142°5 W.- H=18:13:35.6; h about 25 km. (USCGS and BCIS). M=6.2 (Uppsala, Kiruna).
5	eSKS	18 04 28	Traces. $\Delta=10,000$ km. ~ 90 dg. South of Honshu, Japan 30°9 N, 141°4 E.- H=17:40:55.3; h about 23 km. (USCGS and BCIS). M=6 (Uppsala, Kiruna).
6	eiP eiS eiSS	02 19 49 25 51 28 54	D Very weak. $\Delta=4,440$ km. ~ 40 dg. Arabian sea, east of Socotra 13°3 N, 58°0 E.- H=02:12:19.9; h about 30 km. (USCGS and BCIS).
6	iiP ei(pP) ii.S	23 12 23.6CW 13 04.6 C 17 52.6	Weak. $\Delta=4,000$ km. ~ 36 dg. Hindukush 36°6 N, 70°4 E.- H= 23:05:32.2; h about 203 km. (USCGS and BCIS). M=6 ³ / ₄ (Pasadena).
7	eP	06 25 35 C	Traces. $\Delta=9,830$ km. ~ 88.5 dg. Rat Islands, Aleutian Islands 51°3 N, 178°6 E.- H=06:12:48.9 h about 60 km. (USCGS and BCIS). M=5 ³ / ₄ -6 (Pasadena, Matsushiro).
11	eP eS	01 10 58 D 16 37	Traces. $\Delta=3,940$ km. ~ 35.5 dg. Afghanistan 31°8 N, 66°9 E.- H=01:03:59.3, h about 25 km. (USCGS and BCIS). M=5-5 ¹ / ₂ (Moscow).
11	iP	07-29 39 DN	Traces. $\Delta=9,000$ km. ~ 81 dg. Kamchatka 53°2 N, 159°6 E.- H=07:17:27.4; h about 69 km. (USCGS and BCIS). M=4 ¹ / ₂ (Moscow).

27.

Date	Phase	Time	Additional Readings and Remarks.
July 11	eP	12 53 27	Traces. $\Delta=9,890$ km. ~ 8° dg. Panay, Philippine Islands 11°9 N, 122°1 E.- H=12:40:30.7; h about 25 km. (USCGS and BCIS) M=6-6 ¹ / ₄ (Matsushiro).
12	ePS	23 21 18	Traces. $\Delta=13,440$ km. ~ 121 dg. South Pacific Ocean 3°9 S; 104°1 W.- H=22:50:58.8; h about 25 km. (USCGS). M=6 ¹ / ₄ (Matsushiro).
13	eP eiS	03 44 56 D 55 46	Traces. $\Delta=10,060$ km. ~ 90.5 dg. Panay, Philippine Islands 10°4 N, 122°6 E.- H=03:32:00.5; h about 66 km. (USCGS). M=6 (Pekin, Uppsala).
14	eiP	20 50 19 D	Traces. $\Delta=9,220$ km. ~ 83 dg. Kurile Islands 50°2 N, 155°8 E.- H=20:38:01.3; h about 60 km. (USCGS and BCIS). M=4 ¹ / ₂ -5 (MOSCOW).
15	e P	06 59 39 D	Traces. $\Delta=9,280$ km. ~ 83°5 dg. Honshu, Japan 39°8 N, 140°9 E.- H=06:47:22.5; h about 103 km. (USCGS and BCIS). M=6.4 (Uppsala).
15	ePKP ₁	19 53 44 D	Traces. $\Delta=16,060$ km. ~ 145.5 dg. Loyalty Islands 20°3 S, 169°2 E.- H=19:34:09.4; h about 24 km. (USCGS).
16	e?(P)	13 06 46 C	e 0648 C. Traces. $\Delta=8,830$ km. ~ 79.5 dg. Alaska 62°3 N, 153°1 W.- H=12:54:40.6; h about 39 km. (USCGS). M=6.1 (Uppsala).
17	ePP	05 52 22 D	Traces. $\Delta=13,330$ km. ~ 120 dg. Near coast of Chile 43°0 S, 74°9 W. H=05:32:08.8; h about 26 km. (USCGS). M=6 ³ / ₄ (Berkeley).

28.

Date	Phase	Time	Additional Readings and Remarks.
July 17	ei P eiSKS	17 32 48 D 43 05	Traces. $\Delta=9,220$ km. ~ 83 dg. Hokkaido, Japan. $43^{\circ}1$ N, $144^{\circ}5$ E.- H= $17:20:22.9$; h about 30 km. (USCGS). M= $6,0$ (Kiruna, Uppsala).
24	e(PKP)	21 25 48	Traces. $\Delta=11,560$ km. ~ 104 dg. Mexico.- Guatemala border region $15^{\circ}5$ N, $92^{\circ}5$ W.- H= $21:08:22.6$; h about 129 km (USCGS). M= 5.9 (Uppsala, Kiruna).
25	e P ei(SKS) ei S	04 50 48 05 01 14 37	Very weak. $\Delta=9,940$ km. ~ 89.5 dg. West of Jamaica $18^{\circ}9$ N, $81^{\circ}1$ W. H= $04:37:50.7$; h about 64 km. (USCGS). M= 6.2 (Uppsala, Kiruna).
26	ei P i PP ei(SKS)	08 28 23 D 32 27 38 57	Very weak. $\Delta=10,890$ km. ~ 98 dg. South of Panama $7^{\circ}5$ N, $82^{\circ}7$ W. H= $08:14:41.8$; h about 21 km. (USCGS). M= $7^{1/2}$ (Moscow, Pekin, Matshshiro, Santa Lucia). $6^{3/4}$ (Pasadena).
27	e P	20 25 14	Traces. $\Delta=830$ km. ~ 7.5 dg. Yugoslavia 44° N, 18° E.- H= $20:$ $23:24$ (BCIS).
28	ePKP ₁	00 25 09 D	Traces. $\Delta=17,060$ km. ~ 153.5 dg. Samoa Islands region $16^{\circ}2$ S, $173^{\circ}2$ W. H= $00:05:10.8$; h about 40 km. (USCGS). M= $5^{3/4}$ (Berkeley, Matshshiro).
30	eiPP eiSS	17 36 39 52 32	e $31:41$. Very weak. $\Delta=12,890$ km. ~ 116 dg. Near north coast of New Guinea $3^{\circ}3$ S, $143^{\circ}9$ E.- H= $17:16:44.4$; h about 25 km. (USCGS). $6^{3/4} - 7$ (Pasadena).
30	eP eiSKS	20 32 07 D 32 43	Very weak. $\Delta=10,500$ km. ~ 94.5 dg. West of Colombia $5^{\circ}0$ N, $76^{\circ}3$

29.

Date	Phase	Time	Additional Readings and Remarks.
July 30			W.- H= $20:18:49.3$; h about 45 km. (USCGS). M= $6^{3/4}$ (Pasadena, Berkeley, Pekin).
31	e P	05 25 34 C	Traces. $\Delta=9,390$ km. ~ 84.5 dg. Near north coast of Luzon, Philip- pines. $18^{\circ}8$ N, $120^{\circ}8$ E.- H= $05:13:$ 04.1 ; h about 39 km. (USCGS). M= 5.7 (Uppsala, Kiruna).
Aug. 1	eiPP	04 56 44	e $51:56$ Traces. $\Delta=12,780$ km. \sim 115 dg. Near north coast of New Guinea $3^{\circ}2$ S, $143^{\circ}7$ E.- H= $04:36:$ 57.6 ; h about 33 km. (USCGS). M= $6^{1/2}-6^{3/4}$ (Matsushiro, Pasade- na).
3	e P eiSKS ei(S)	09 10 17 D 20 44 21 58	Very Weak. $\Delta=11,670$ km. ~ 105 dg. Chili-Argentina border $23^{\circ}2$ S, $67^{\circ}5$ W.- H= $08:56:12.1$; h about 71 km. (USCGS). M= $7-7^{1/4}$ (Pasade- na).
5	e P	09 16 03	ei 1613, ei $12:55:36$. Traces. $\Delta=$ 4280 km. ~ 38.5 dg. Nuclear explo- sion in Novaya Zemlya (about 30 Megatons) $74^{\circ}1/2$ N, 52° E.- H= $09:08:46$ (BCIS).
6	e P eiS	01 44 43 C 52 12	e 4444 D. Very Weak. $\Delta=5830$ km. ~ 52.5 dg. North Atlantic Ocean $32^{\circ}0$ N. $40^{\circ}8$ W.- H= $01:35:30.5$; h about 48 km. (USCGS). M= $6^{1/4}$ (Pasadena).
6	eiPKP ₁	21 11 50	Traces. $\Delta=17,720$ km. ~ 159.5 dg. Kermadec Island region $26^{\circ}9$ S, $177^{\circ}1$ W.- H= $20:51:56.8$; h about 50 km. (USCGS). M= 6.0 (Roma, San- ta Lucia, Berkeley).

Date	Phase	Time	Additional Readings and Remarks.
Aug. 9	e	07 24 05	Traces,
10	eiP	21 11 20 D	Traces. $\Delta=4,280$ km. ~ 38.5 dg. North Atlantic Ocean $49^{\circ}4$ N, $27^{\circ}9$ W.- H=21:03:59.2; h about 33 km. (USCGS). M=5.4 (Uppsala, Kiruna).
11	ePKP	02 06 28 CN	Traces. $\Delta=17,060$ km. ~ 153.5 dg. Fiji Islands $20^{\circ}05$, $178^{\circ}8$ W.- H=01:47:39.6; h about 638 km. (USCGS). M=5 $\frac{1}{2}$ (Pekin).
11	eiP eiSKS	08 27 48 D 37 47	Very weak. $\Delta=9,110$ km. ~ 82 dg. Off northeast coast of Formosa $25^{\circ}2$ N; $123^{\circ}3$ E.- H=08:13:43.7; h about 140 km. (USCGS). M=6 (Pasadena).
13	eP	07 03 06	Traces. $\Delta=11,330$ km. ~ 102 dg. About 300 miles N.West of Ecuador $2^{\circ}1$ N, $83^{\circ}5$ W.- H=06:35:56.0 h about 33 km. (USCGS). M=6 $\frac{1}{2}$ -6 $\frac{3}{4}$ (Pasadena).
13	e	20 47 29	Traces.
14	ePKP ₁	01 30 37	Traces. $\Delta=16,560$ km. ~ 149 dg. About 300 miles North of Macquarie Islands $49^{\circ}9$ S, $163^{\circ}0$ E. H=01:10:50.5; h about 43 km. (USCGS). M=5 $\frac{1}{2}$ -5 $\frac{3}{4}$ (Matshshiro).
14	e(sS)	07 38 52	Traces. $\Delta=3,170$ km. ~ 28.5 dg. Southern Iran $28^{\circ}0$ N, $55^{\circ}6$ E.- H=07:27:44.8; h about 43 km. (USCGS). M=5 (Moscow).
17	eP eSKS	05 17 26 28 05	Very weak. $\Delta=9,940$ km. ~ 89.5 dg. Panay region, Philippine Islands

Date	Phase	Time	Additional Readings and Remarks.
Aug. 17			$10^{\circ}6$ N, $121^{\circ}6$ E.- H=05:04:31.5; h about 33 km. (USCGS). M=6.3 (Uppsala, Kiruna).
18	eP eSSS	04 30 46 32 35	Traces. $\Delta=830$ km. ~ 75 dg. Turkey $37^{\circ}N$, $32^{\circ}5$ E.- H=04:28:56.1; h about 33 km. (USCGS).
18	eP	17 18 22 D	Traces. $\Delta=9,110$ km. ~ 82 dg. Central Alaska $62^{\circ}3$ N, $152^{\circ}5$ W.- H=17:46:14.9; h about 32 km. (USCGS).- M=6-6 $\frac{1}{4}$ (Pasadena).
19	eP eiS	18 34 38 C 41 03	Very weak. $\Delta=4,780$ km. ~ 43 dg. Northwest Sinkiang Province $44^{\circ}6$ N, $81^{\circ}7$ E.- H=18:26:38.6; h about 33 km. (USCGS). M=6.2 (Uppsala, Kiruna).
20	e	00 04 18	Traces.
21	eiP eiS	15 57 36 58 51	e?57:23. Traces. $\Delta=780$ km. ~ 7 dg. Foreshock, Southern Italy $41^{\circ}08'$ N, $15^{\circ}07'$ E.- H=15:55:46.2; h about 35 km. (Roma). M=4 (Roma).
21	eP eiS eiSS eiSSS	18 10 53 D 12 14 35 43	Foreshock. An=2 μ , Tn=4.5 sec. Ae=7 μ , Te=3.9 sec. $\Delta=830$ km. ~ 7.5 dg. M=5.2 (Athens). Northern Italy $41^{\circ}2$ N, $15^{\circ}1$ E.- H=18:09:01 (BCIS). M=5.6 (Uppsala, Kiruna).
21	eiP eiS iSS	18 21 19 C 22 45 23 03	An=22 μ , Tn=3.6 sec. Ae=12 μ , Te=3.2 sec. $\Delta=830$ km. ~ 7.5 dg. M=5.8 (Athens); Northern Italy $41^{\circ}2$ N, $15^{\circ}1$ E.- H=18:19:28 (BCIS) M=6.1 (Uppsala, Kiruna).
21	eP eiS	18 46 44 C 48 08	Aftershock. Traces. $\Delta=830$ km. ~ 7.5 dg. Northern Italy $41^{\circ}2$ N,

32.

Date	Phase	Time	Additional Readings and Remarks.
Aug. 21			15 ⁰ .1 E.- H=18:44:51 (BCIS). M=6 (Moscow).
21	e P eiS	20 10 05 11 23	Aftershock. Traces. 780 km. 7 dg. Northern Italy 41 ⁰ 1/4 N, 15 ⁰ E.- H=20:08.4 (BCIS).
21	ePKP	21 29 18	Very weak. $\Delta=15,830$ km. ~142.5 dg. Paques Island region 29 ⁰ 6 S, 111 ⁰ 9 W.- H=21:09:50.3; h about 33 km. (USCGS).
21	eiS	21 30 59	e? 2929. Aftershock. Traces. $\Delta=$ 780 km.- 7 dg. Northern Italy 41 ⁰ 1/4 N, 15 ⁰ E.- H=21:28.1 (BC IS). M=3 ¹ /2-3 ³ /4 (Roma).
21	e S	23 39 09	Aftershock. Traces. $\Delta=780$ km. 7 dg. Northern Italy 41 ⁰ 1/4 N, 15 ⁰ E.- H=23:36.1 (BCIS).
23	e	20 05 30	Traces.
24	e(SS)	09 38 18	Traces. $\Delta=4,170$ km. ~37.5 dg. Belouchistan; Western Pakistan 31 ⁰ N, 68 ⁰ 1/2 E.- H=09:22:26 (Quetta).
25	ePKP	03 50 36 D	Very weak. $\Delta=17,110$ km. ~154 dg. Fiji Islands, 20 ⁰ 5 S, 178 ⁰ 5 W.- H=08:31:48.7; h about 561 km. (USCGS). M=6 (Pasadena).
26	e(G)	07 24 06	Traces. $\Delta=9,610$ km. ~86.5 dg. Near coast of Honshu, Japan 34 ⁰ 0 N, 139 ⁰ 2 E.- H=06:48:57.1; h about 38 km. (USCGS). M=6 ¹ /4- 6 ¹ /2 (Matshshiro).
26	eiSS	16 38 37	Traces. $\Delta=1,940$ km. 175 dg. Near coast of Algeria 36 ⁰ 5 N,

33.

Date	Phase	Time	Additional Readings and Remarks.
Aug. 26			01 ⁰ 6 E.- H=16:30:47.0; h about 15 km (USCGS).
27	e P	09 08 05	e 19:29. Traces. $\Delta=4,280$ km. ~38.5 dg. Nuclear explosion Novaya Ze- rlya 74 ⁰ 7 N, 50 ⁰ 3 E.- H=09:00: 50.9; h about 0 km. (USCGS). Weight 15 Megatons (Helsinki).
27	e?(SS)	16 49 18	Traces. $\Delta=9,500$ km. ~85.5 dg. Off east coast of Honshu, Japan 38 ⁰ 3 N, 142 ⁰ 4 E.- H=16:20:04.7; h about 40 km. (USCGS). M=5.9 (Matsushiro).
27	eiPP	23 49 46 D	Traces. $\Delta=14,000$ km. ~126 dg. New Britain region 6 ⁰ 0S, 149 ⁰ 5 E.- H=23:28:45.2; h about 48 km. (USCGS). M=5 ¹ /2 (Port Moresby).
29	e?(P)	22 49 39	Traces. $\Delta=9,610$ km. ~86.5 dg. Near east coast of Honshu, Japan 34 ⁰ 1 N, 139 ⁰ 1 E.- H=22:36:53.9, h about 33 km. (USCGS). M=6.1 (Matshshiro).
30	eSSS	12 14 28	Traces. $\Delta=940$ km. ~8.5 dg. Italy 42 ⁰ 2 N, 14 ⁰ 3 E.- H=12:10:23.8; h about 33 km. (USCGS). M=4.6 (Roma).
30	e?(P)	13 48 28	Traces. $\Delta=9,670$ km. ~87 dg. Utah- Idaho border 41 ⁰ 8 N, 111 ⁰ 8 W.- 13:35:28.7; h about 37 km. (USCGS). M=5 ³ /4-6 (Pasadena).
30	ePKP ₁	17 37 42	Traces. $\Delta=17,440$ km. ~157 dg. Tonga Islands 21 ⁰ 2 S, 174 ⁰ 4 W,- H=17:17:51.9; h about 33 km. (USCGS). M=5 ³ /4 (Matshshiro, Santa Lucia).

34.

Date	Phase	Time	Additional Readings and Remarks.
Aug. 31	ePKP ₂	10 53 29	Traces. $\Delta=16,780$ km. ~ 151 dg. Fiji Islands region $15^{\circ}4S$, $177^{\circ}3$ W.- H=10:33:30.2; h about 60 km. (USCGS). M=5 ³ / ₄ (Matsushiro).
31.	eiP e S	17 15 35 C 26 11	Traces. $\Delta=9,780$ km. ~ 88 dg. Rat Islands, Aleutian Islands $51^{\circ}3$ N, $179^{\circ}7$ W.- H=17:02:43.4; h about 26 km. (USCGS). M=6 ³ / ₄ (Pasadena).
Sept. 1	e P e S	03 58 57 C 04 09 34	Traces. $\Delta=9,890$ km. ~ 89 dg. Rat Islands, Aleutian Islands, $51^{\circ}3$ N, $179^{\circ}7$ W.- H=03:46:05.0; h about 25 km. (USCGS). M=6 ¹ / ₂ (Pasadena).
1	e?(PKP) eiPP	05 11 12 14 32	ei lll4. Traces. $\Delta = 15,720$ km. 141.5 dg. New Hebrides Islands, $15^{\circ}9S$, $168^{\circ}2$ E.- H=04:52:14.5; h about 244 km. (USCGS).- M=5 ¹ / ₂ -6 (Port Moresby).
1	e P eSKS	08 03 58 14 24	Aftershock. Traces. $\Delta=9,890$ km. ~ 89 dg. Rat Islands, Aleutian Islands $51^{\circ}3$ N, $179^{\circ}9$ W.- H=07:51:08.2; h about 42 km. (USCGS). M=6 ¹ / ₂ (Pasadena).
1.	e P	15 08 18	Traces. $\Delta=4,165$ km. ~ 37.5 dg. Near coast of West Pakistan, $25^{\circ}8$ N, $65^{\circ}3$ E.- H=15:01:04.6; h about 46 km. (USCGS). M=5.9 (Kiruna, Uppsala).
1	eiP ei(S)	19 25 24 CW 29 21	An=714 μ , Tn=14 sec., Ae=1,723 μ , Te=18 sec., $\Delta=2,335$ km. 21 dg. M=6.8 (Athens). Northwest Iran $35^{\circ}6$ N, $49^{\circ}9$ E.- H=19:20:39.9;

35.

Date	Phase	Time	Additional Readings and Remarks.
Sept. 1			h about 27 km. (BCIS). M=7-7 ¹ / ₂ (Pasadena). Over 10,000 killed, many injured and extensive property damage.
1	e P	20 18 15 D	Traces.
1	e P	20 32 21 C	Aftershock of Sept.1. Very weak, $\Delta=2,335$ km. ~ 21 dg. Northwest Iran, $35^{\circ}6$ N, $49^{\circ}9$ E.- H=20:27:37 (BCIS). M=4 ¹ / ₂ (Strasbourg).
1	e(P)	23 24 46 C	Traces.
2	e	04 45 59	Traces.
2	eiP	08 35 36 D	Traces. $\Delta=8,890$ km. ~ 80 dg. Near east coast of Honshu, Japan. $34^{\circ}2$ N, $139^{\circ}5$ E.- H=08:23:28.5, h about 33 km. (USCGS). M=4.8 (Matsushiro).
2	eiP	13 26 06 D	Traces. $\Delta=2,390$ km. ~ 21.5 dg. Northwest Iran, 35° N, $48^{\circ}1/2 E.- H=13:21:18 (Moscow). M=4 (Moscow).$
2	ePP	15 39 55	Traces. $\Delta=11,220$ km. ~ 101 dg. Soemba Island region, $10^{\circ}2$ S, $120^{\circ}3$ E.- H=15:21:55; h about 33 km. (USCGS). M=5 ¹ / ₄ (Matsushiro).
4	eiP	13 34 54 D	Aftershock of Sept.1. Very Weak. $\Delta=2,335$ km. ~ 21 dg. Northwest Iran. $35^{\circ}6$ N, $49^{\circ}9$ E.- H=13:30:12 (BCIS). M=5.6 (Uppsala, Kiruna).
4	e P ei(S) eiSS	23 03 02 C 06 10 25	Very weak. $\Delta=1,780$ km. ~ 16 dg. Turkey-Armenia, S.S.R. Border $40^{\circ}0$ N, $44^{\circ}0$ E.- H=22:59:17(BCIS) M=5.8 (Uppsala, Kiruna).

36.

Date	Phase	Time	Additional Readings and Remarks.
Sept. 7	e P	12 19 27	Aftershock of Sept.4. Traces. $\Delta=1,780$ km. ~ 16 dg. - H=12:15:36 (Moscow).
8	ePKP	07 46 45	Traces. $\Delta=16,445$ km. ~ 148 dg. Loyalty Islands region, 22°4 S, 171°5 E. - H=07:27:06.7; h about 76 km. (USCGS).
10	ePKP	16 02 40 D	Very weak. $\Delta=17,000$ km. ~ 153 dg. Fiji Islands, 21°1 S, 179°2 W. - H=15:43:59.4; h about 640 km. (USCGS). M=6 ¹ / ₂ (Pasadena).
11	eiP	00 21 26 DE	Traces. $\Delta=1,780$ km. ~ 16 dg. Eastern Turkey, 39°9 N, 43°9 E. H=00:17:37.2; h about 33 km. (USCGS). M=4 ¹ / ₄ (Moscow).
11	eiP	11 19 51 D	Aftershock of Sept. 1. Traces. $\Delta=2,335$ km. ~ 21 dg. Northwest Iran, 34°7 N, 48°8 E. - H=11:14:55 (Moscow). M=4 (Moscow).
12	e P	02 20 25 D	Aftershock of Sept. 1. Traces. $\Delta=2,335$ km. ~ 21 dg. Northwest Iran, 35°6 N, 49°9 E. - H=02:16.7 (BCIS).
12	e P eiS	21 03 57 D 09 35	Very weak. $\Delta=4,000$ km. ~ 36 dg. Hindu Kush, 36°5 N, 69°2 E. - H=20:57:00.4; h about 50 km. (USCGS). M=6 ¹ / ₂ -6 ³ / ₄ (Pasadena).
12	e P	24 09 29 D	Traces. $\Delta=6,165$ km. ~ 55.5 dg. Ascension Island region, 7°3 S, 13°3 W. - H=23:58:56.8; h about 33 km. (USCGS).
13	e P	14 46 59	Traces. $\Delta=8,780$ km. ~ 79 dg. North of Trinidad, 11.6 N, 61.3

37.

Date	Phase	Time	Additional Readings and Remarks.
3			W. - H=14:35:02.0; h about 73 km. (USCGS).
5	eiP eiSKS	23 03 16 D 13 38	Very weak. $\Delta=9,335$ km. ~ 84 dg. Kurile Islands, 48°5 N, 156°8 E. - H=22:50:46.3; h about 33 km. (USCGS). M=6 ¹ / ₂ (Pasadena).
16	e(P)	11 06 32	Traces. $\Delta=4,280$ km. ~ 38.5 dg. Novaya Zembya, Nuclear explosion, 74°1/2 N, 52° E. - H=10:59:11 (BC IS). M=4 ³ / ₄ -5 (Palisades).
16	eS	19 25 32	Traces. $\Delta=7,165$ km. ~ 64.5 dg. Near coast of Burma 16°7 N, 94°2 E. - H=19:06:29.2, h about 33 km. (USCGS). M=5 ¹ / ₂ -5 ³ / ₄ (Matsushiro).
17	ePKP	18 14 28	Traces. $\Delta=17,000$ km. ~ 153 dg. Fiji Islands. 21°0 S, 179°1 W. - H=17:55:45.4; h about 601 km. (USCGS). M=6 (Peking).
18	e P ei(PP) eSKS	00 42 40 D 46 36 CE 53 15	Traces. $\Delta=10,890$ km. ~ 98 dg. South of Panama, 7°5 N, 82°3 W. - H=00: 29:05.2; h about 33 km. (USCGS). M=7 (Berkeley, Pasadena, Tulsa).
18	ePKP	20 31 18 DSW	Traces. $\Delta=16,220$ km. ~ 146 dg. New Hebrides Islands, 21°0 S, 169°9 E. - H=20:11:47.5; h about 81 km. (USCGS).
18	ePKP	22 06 29	Traces. $\Delta=16,610$ km. ~ 149.5 dg. Fiji Islands, 14°8 S, 178°1 W. - H=21:47:30.9; h about 526 km. (USCGS).
19	e P e S	07 33 49 GNW 38 01	Traces. $\Delta=2,665$ km. ~ 24 dg. West- ern Iran, 29°9 N, 50°4 E. - H=07: 28:43.2; h about 66 km. (USCGS). M=5 (Moscow).

38.

Date	Phase	Time	Additional Readings and Remarks.
Sept. 19	e P	11 08 25	Traces: $\Delta = 4,335$ km. 39 dg. Novaya Zemlya, Nuclear explosion, 74° ¹ / ₂ N, 52° E. - H=11:01:01 (BCIS) M=5-5 ¹ / ₄ (Palisades, Matsushiro).
21	e P	08 08 35	Traces. $\Delta = 4,335$ km. ~ 39 dg. Novo- ya Zemlya Nuclear Explosion, 74° ¹ / ₂ N, 52° E. - H=08:01:13 (BCIS). M= 4.6 (Kew).
23	eiP	16 03 16	Traces. $\Delta = 9,220$ km. ~ 83 dg. Kenai Peninsula, Alaska, 60° ¹ N, 151° ² W. - H=15:50:46.4; h about 86 km. (USCGS). M=4.5 (Tulsa).
24	e(S)	15 07 54	Traces. $\Delta = 9,280$ km. ~ 83.5 dg. Near coast of eastern Hokkaido, Japan. 42° ⁹ N, 145° ³ E. - H=14:45: 37.3; h about 33 km. (USCGS).
25	e P e(S)	13 10 03 16 08	Traces. $\Delta = 4,335$ km. ~ 39 dg. Nova- ya Zemlya, Nuclear explosion 74° ¹ / ₂ N, 52° E. - H=13:02:40 (BCIS). M=5 ¹ / ₄ (Palisades).
27	e P	08 10 43	Traces. $\Delta = 4,335$ km. ~ 39 dg. No- vaya Zemlya, Nuclear explosion 74° ¹ / ₂ N, 52° E. - H=08:03:21 (BCIS). M=5 ¹ / ₄ -5 ¹ / ₂ (Palisades).
27	eiPKP	13 44 01 C	Traces. $\Delta = 16,835$ km. 151.5 dg. Fiji Islands 17° ⁶ S, 178° ⁹ W. - H=13:25:05.6; h about 507 km. (USCGS).
28	e P	19 09 15	Traces. $\Delta = 10,445$ km. ~ 94 dg. Western Colombia, 5° ² N, 76° ² W. - H=18:56:08.7; h about 127 km. (USCGS). M=5 ¹ / ₂ (Matsushiro, Kew).
29	eiP	15 30 51 D	Traces. $\Delta = 11,555$ km. ~ 104 dg.

39.

Date	Phase	Time	Additional Readings and Remarks.
Sept. 29			Santiago Del Estero Province, Ar- gentina, 27° ⁰ S, 63.6 W. - H=15:17: 47.7; h about 575 km. (USCGS). M= 6 ¹ / ₂ (Pasadena, Matsushiro).
30	eS	22 20 12	Traces. $\Delta = 9,335$ km. ~ 84 dg. Near north coast of Luzon, Philippine Islands, 18° ⁶ N, 120° ⁹ E. - H=21: 57:24.8; h about 51 km. (USCGS). M=5 (Moscow).
Oct. 1	eP	10 05 42	Traces. 9,170 km. 82.5 dg. Kourile Islands 47° ³ N, 151° ⁵ E. - H=09:53:32.9; h about 127 km. (US CGS).
1	eP eiS	12 19 48 C 24 32	Very weak. $\Delta = 3,165$ km. ~ 28.5 dg. Southern Iran, 27° ⁰ N, 54° ³ / ₄ E. - H=12:13:50 (BCIS). M=6 5 (Uppsala).
3	ePP e S	01 28 37 33 08	Foreshock of Oct. 6. Traces. $\Delta =$ 4,500 km. ~ 40.5 dg. Azores region, 40° ⁷ N, 29° ⁷ W. - H=01:19:22.5; h about 33 km. (USCGS). M=4 ¹ / ₂ (Kew).
5	eiP e S	20 08 20 C 13 02	e 08:18 C. Traces. $\Delta = 3,165$ km. ~ 28.5 dg. Iran, 35° ¹ N, 58° ⁶ E. - H=20:02:22 (BCIS). M=5 (Moscow).
6	e P eiS	03 24 46 C 30 58	Traces. $\Delta = 4,500$ km. ~ 40.5 dg. Azores region 40° ⁸ N, 29° ⁵ W. - H=03:17:07.2; h about 33 km. (US CGS). M=5 (Kew, Moscow).
6	ePKP eSKKS	04 42 53 D 52 54	Traces. $\Delta = 15,835$ km. ~ 142.5 dg. New Hebrides Islands, 17° ⁴ S, 167° ⁷ E. - H=04:23:24.1; h about 33 km. (USCGS). M=6 ¹ / ₂ (Pasadena).
6	eiPP	11 23 15	Traces. $\Delta = 15,500$ km. ~ 139.5 dg.

40.

Date	Phase	Time	Additional Readings and Remarks.
Oct. 6			New Hebrides Islands, 13 ^o 3 S, 167 ^o 3 E.- H=11:00:52.8; h about 209 km. (USCGS). M=5.3 (Tulsa).
6	ePKP	23 50 54	Traces. $\Delta=15,780$ km. ~ 142 dg. New Hebrides Islands, 17 ^o 5 S, 167 ^o 6 E.- H=23:31:27.7. h about 42 km. (USCGS). M=5 ³ / ₄ (Kew).
8	eiP e(SKS)	22 08 27 C 18 45	Traces. $\Delta=8,890$ km. ~ 80 dg. Near east coast of Formosa, 24 ^o 3 N 121 ^o 7 E.- H=21:56:22.2; h about 29 km. (USCGS). M=6 (Pasadena).
9	eiPP	20 34 49	Traces. $\Delta=13,165$ km. ~ 118.5 dg. Bismarck Sea, 3 ^o 2 S, 148 ^o 2 E.- H=20:14:38.3; h about 33 km. (USC GS). M=6 ¹ / ₄ (Pasadena).
13	e P eis	10 28 22 C 32 18	Aftershock of Sept. 1. Very weak. $\Delta=2,390$ km. ~ 21.5 dg. Northwest- ern Iran, 35 ^o 8 N, 50 ^o 3 E.- H=10: 23:37 (BCIS). M=5.7 Uppsala).
13	ePP	19 09 58	Traces. $\Delta=15,335$ km. ~ 138 dg. Santa Cruz Islands region 12 ^o 6 S, 166 ^o 6 E.- H=18:47:44.5; h about 33 km. (USCGS). M=5 ³ / ₄ -6 (Matsu- shiro).
14	eSS	14 10 57	Traces. $\Delta=1,835$ km. ~ 16.5 dg. Northern Irak, 37 ^o N, 44 ^o 1/2 E.- H=14:03:44 (Moscow).
14	e	15 54 06	Traces.
16	eiPKP ₁	00 45 05 D	Traces. $\Delta=16,490$ km. ~ 148.5 dg. Loyalty Islands region, 22 ^o 1 S, 172 ^o 1 E.- H=00:25:21.3; h about 40 km. (USCGS).

41.

Date	Phase	Time	Additional Readings and Remarks.
Oct. 15	eiPKP ₁	23 56 31 D	Traces. $\Delta=17,110$ km. ~ 154 dg. Near coast of South Island, New Zea- land 43 ^o 5 S, 169 ^o 8 E.- H=23:36: 35.0; h about 33 km. (USCGS).
16	eP ePP eiSKS	18 15 26 19 08 25 53	Traces. $\Delta=9,890$ km. ~ 89 dg. Near Islands, Aleutian Islands, 51 ^o 6 N, 175 ^o 8 W.- H=18:02:32.9; h about 27 km. (USCGS). M=5.6 (Up- psala).
18	eiP	08 53 06	Traces. $\Delta=9,165$ km. ~ 82.5 dg. Kurile Islands, 46 ^o 5 N., 149 ^o 6 E. H=08:40:55.5; h about 140 km. (USCGS).
18	eP	11 34 52	Traces. $\Delta=9,165$ km. ~ 82.5 dg. Kurile Islands, 46 ^o 5 N, 149 ^o 5 E.- H=11:22:40.2; h about 128 km. (USCGS).
21	eP	02 17 45 D	Traces. $\Delta=8,935$ km. ~ 80.5 dg. Vicinity Anchorage, Alaska, 61 ^o 1 N, 149 ^o 7 W.- H=02:05:22.7; h about 80 km. (USCGS). M=5 (PEking).
22	e	16 02 00	Traces.
25	ePKP	20 25 41	Traces. $\Delta=15,835$ km. ~ 142.5 dg. Southwest of Macquarie Islands, 61 ^o 4 S, 154 ^o 9 E.- H=20:06:10.0; h about 33 km. (USCGS). M=6 (Ma- tsushiro).
26	eSKS	16 23 11	Traces. $\Delta=11,390$ km. ~ 102.5 dg. Sandwich Islands, 55 ^o 5 S, 26 ^o 5 W. H=15:58:34.8; h about 33 km. (USCGS). M=5 ³ / ₄ -6 (Matsushiro).
27	e P	01 42 52	Traces. $\Delta=6,500$ km. ~ 58.5 dg. Mongolia exterior, 45 ^o 1/2 N, 101 ^o E.- H=01:32:55 (Peking) M=4 ¹ / ₂ (Peking).

42.

Date	Phase	Time	Additional Readings and Remarks.
Oct. 28	e	13 19 12	Traces.
28	e	23 35 06	Traces.
29	e P	00 33 15	Traces. $\Delta=10,890$ km. ~ 98 dg. Off south coast of Panama, $7^{\circ}1$ N., $82^{\circ}6$ W. - H=00:19:39.7; h about 21 km. (USCGS). M=5.9 (Tulsa).
29	e	03 30 42	Traces.
30	e P	01 59 39 D	Traces. $\Delta=10,335$ km. ~ 93 dg. Bouvet Island region $54^{\circ}2$ S, $9^{\circ}1$ E. - H=01:46:32.7; h about 33 km. (USCGS). M=5 ³ / ₄ -6 (Santa Lucia, Matsushiro).
30	e?	16 53 15	Traces.
31	e	12 19 00	Traces.
Nov. 1	eSKS	15 58 03	Traces. $\Delta=11,555$ km. ~ 104 dg. Off coast of western New Guinea. , $1^{\circ}9$ N., $133^{\circ}0$ E. - H=15:33:22.6; h about 56 km. (USCGS). M=6-6 ¹ / ₄ (Matsushiro).
1	ePS	18 19 54	Traces. $\Delta=11,555$ km. ~ 104 dg. North of Western New Guinea, $1^{\circ}9$ N, $132^{\circ}8$ E. - H=17:52:20.2; h about 36 km. (USCGS). M=5 ³ / ₄ - 6 (Matsushiro).
2	eSKS	15 11 00	Traces. $\Delta=11,000$ km. ~ 99 dg. South of Sumbawa, $10^{\circ}0$ S, $117^{\circ}8$ E. - H=14:46:39.2; h about 33 km. (US CGS). M=5 ³ / ₄ (Matsushiro).
3	ePKP ePP	23 12 26 C 13 54	Traces. $\Delta=13,590$ km. ~ 120.5 dg. Off coast of southern Chile, $43^{\circ}2$ S,

43.

Date	Phase	Time	Additional Readings and Remarks.
Nov. 4			$75^{\circ}6$ W. - H=22:53:34.2; h about 33 km. (USCGS). M=5 ³ / ₄ -6 (Pasade- na).
6	e P e S	00 15 45 D 20 32	Traces. $\Delta=3,165$ km ~ 28.5 dg. Southern Iran. $28^{\circ}0$ N, $55^{\circ}6$ E. - H=00:09:47.2; h about 33 km. (US- CGS). M=5 ³ / ₄ -6 (Matsushiro).
9	e P eiS	01 15 30 19 06	e? 15:28. Traces. $\Delta=2,165$ km. \sim 19.5 dg. Iraq-Iran border region, $33^{\circ}4$ N, $47^{\circ}2$ E. - H=01:11:02.1; h about 33 km. (USCGS). M=5 ¹ / ₄ (Moscow).
10	eiP eiSKS	01 45 44 C 56 02	e? 45:27 C. Traces. $\Delta = 9,280$ km. ~ 83.5 dg. Kurile Islands $43^{\circ}3$ / ₄ N, $147^{\circ}7$ / ₄ E. - H=01:33:16; h about 60 km. (BCIS). M=6.8 (Uppsala).
11	eP	11 41 51	Traces. $\Delta=6,665$ km. ~ 60 dg. Lake Baikal region, USSR, $55^{\circ}8$ N, $113^{\circ}1$ E. - H=11:31:44.5, h about 33 km. (USCGS). M=5.8 (Kiruna Uppsala).
11	eP e(S)	15 21 02 D 25 29	Traces. $\Delta=2,835$ km. ~ 25.5 dg. Red Sea, $17^{\circ}7$ / ₄ N $40^{\circ}3$ / ₄ E. - H= 15:15:30 (BCIS). M=5.8 (Uppsala, Kiruna).
11	ePKP	16 29 14	Traces. $\Delta=15,390$ km. ~ 138.5 dg. Santa Cruz Islands $12^{\circ}9$ S, $166^{\circ}5$ E. - H=16:09:57.6; h about 77 km. (USCGS). M=6-6 ¹ / ₄ (Matsushiro).
11	ePP e(PS)	22 34 39 D 44 18	Traces. $\Delta=13,445$ km. ~ 121 dg. Off coast of southern Chile. $43^{\circ}1$ / ₄ S, $76^{\circ}0$ W. - M=22:14:13 (BCIS). M=6 ¹ / ₂ -6 ³ / ₄ (Pasadena).

44.

Date	Phase	Time	Additional Readings and Remarks.
Nov. 12	eiP	13 01 41.5 D	Traces. $\Delta=9,445$ km. ~ 85 dg. Ryukyu Island. $26^{\circ}0' N$ $128^{\circ}4' E$.- $H=12:49:10.8$; h about 40 km. (USCGS). $M=5$ (Moscow).
12	e(PPS)	19 57 51	Traces. $\Delta=9,780$ km. ~ 88 dg. Andreevof Islands, Aleutian Islands, $51^{\circ}5' N$, $178^{\circ}4' W$.- $H=19:32:38$; h about 57 km. (USCGS). $M=4.8$ (Tulsa).
14	ePP	22 16 39	Traces. $\Delta=10,835$ km. ~ 97.5 dg. Northern Celebes $0^{\circ}1/4' S$, $123^{\circ}0' E$.- $H=21:59:17$. h about 100 km. (BCIS). $M=5$ (Moscow).
15	e?PP e PS	16 11 51 21 25	Traces. $\Delta=13,000$ km. ~ 117 dg. Central Chile. $38^{\circ}3' S$, $73^{\circ}2' W$.- $H=15:51:57.6$; h about 33 km. (USCGS). $M=5$ (Tulsa).
15	e PP	23 43 47	Traces. $\Delta=11,720$ km. ~ 105.5 dg. Near coast of northern Peru, $8^{\circ}7' S$, $79^{\circ}8' W$.- $H=23:25:15.7$; h about 45 km. (USCGS). $M=6^{1/4}$ (Kew).
16	ePKP	07 38 03 E	Traces. $\Delta=15,890$ km. ~ 143 dg. Easter Island region, $32^{\circ}3' S$, $111^{\circ}1' W$.- $H=07:18:37.3$; h about 43 km. (USCGS). $M=6^{1/2}-6^{3/4}$ (Pasadena).
16	eiP eis	21 20 45 D 29 26	e?20:43. Very Weak. $\Delta=7,280$ km. 65.5 dg. Andaman Islands, $13^{\circ}1/2' N$, $93^{\circ}1/4' E$.- $H=21:09:56$ (BCIS) $M=6.7$ Uppsala, Kiruna).
20	e(SSS)	07 25 10	Traces. $\Delta=8,720$ km. ~ 78.5 dg. Kamchatka $55^{\circ}6' N$, $158^{\circ}8' E$.- $H=06:54:04.1$: h about 33 km. (USCGS). $M=5$ (Moscow).

45.

Date	Phase	Time	Additional Readings and Remarks.
Nov. 20	e P	07 44 46	Traces. $\Delta=8,780$ km. ~ 79 dg. Kamchatka, $56^{\circ}2' N$, $159^{\circ}3' E$.- $H=07:32:42.9$; h about 33 km. (USCGS). $M=5$ (Moscow, Peking).
23	eSKS	00 54 54	Traces. $\Delta=11,780$ km. ~ 106 dg. Near coast of southern Peru. $15^{\circ}1/4' S$, $75^{\circ}1/4' W$.- $H=00:30:01$ (BCIS). $M=5.6$ (Tulsa).
23	ePKP	23 24 57. C	Traces. $\Delta=17,110$ km. ~ 154 dg. Fiji Islands, $21^{\circ}5' S$, $179.3' W$.- $H=23:05:47.4$; h about 609 km. (USCGS).
24	e P	16 30 21	Traces. $\Delta=7,110$ km. ~ 64 dg. Mid-Atlantic Ocean, $9^{\circ}3/4' N$, $40^{\circ}3/4' W$. $H=16:19:42$ (BCIS). $M=5.6$ (Tulsa).
26	e P	05 37 17 C	Traces. $\Delta=4,555$ km. ~ 41 dg. Sinkiang Province, China, $39^{\circ}8' N$, $77^{\circ}2' E$.- $H=05:29:30.2$; h about 14 km. (USCGS). $M=5.9$ (Kiruna, Uppsala).
27	eiP	07 05 00 . D	Traces. $\Delta=9,055$ km. ~ 81.5 dg. Ryukyu Islands, $25^{\circ}1/4' N$, $122^{\circ}3/4' E$.- $H=06:52:56$; h about 150 km. (BCIS). $M=6$ (Peking).
29	ePKP	19 26 13	Traces. $\Delta=15,890$ km. ~ 143 dg. New Hebrides Islands, $17^{\circ}1/4' S$, $168^{\circ}1/2' E$. $H=19:06:34$. (BCIS). $M=6^{1/4}-6^{1/2}$ (Berkeley).
30	eSKS	22 15 51	Traces. $\Delta=11,445$ ~ 103 dg. Guerrero Mexico, $17^{\circ}4' N$, $99^{\circ}6' W$.- $H=21:51:22.9$; h about 51 km. (USCGS). $M=5^{1/4}-5^{1/2}$ (Palisades).

46.

Date	Phase	Time	Additional Readings and Remarks.
Dec. 1	eP	02 03 13 D	Traces. $\Delta=9,890$ km. ~ 89 dg. Fox Islands, Aleutian Islands, $52^{\circ}4$ N, $170^{\circ}1$ W. - H= $01:50:20.4$; h about 38 km. (USCGS). M=5.6 (Kiruna).
2	eP	22 17 02	Traces. $\Delta=2,390$ km. ~ 21.5 dg. Iran. Foreshock of December 2, $35^{\circ}7$ N, $50^{\circ}0$ E. - H= $22:12:14$ (BCIS).
2	eP	22 26 14 CW	Traces. $\Delta=2,390$ km. ~ 21.5 dg. Iran $35^{\circ}7$ N, $50^{\circ}0$ E. - H= $22:21:28$ (BCIS). M=5 (Moscow).
2	eP	23 41 13 D	Traces. $\Delta=2,390$ km. ~ 21.5 dg. Iran, $35^{\circ}5$ N, $50^{\circ}1$ E. - H= $13:36:33.7$, h about 33 km. (USCGS).
6	eP	04 16 27 C	Traces. $\Delta=9,220$ km. ~ 83 dg. Kurile Islands, $49^{\circ}0$ N, $154^{\circ}3$ E. - H= $04:04:09.8$; h about 85 km (USCGS). M=4.7 (Wichita Mountains).
7	eP eiSKS	14 15 52 D 25 38	Very weak. $\Delta=10,000$ km. ~ 90 dg. Bonin Islands region, $29^{\circ}1/4$ N, $139^{\circ}1/4$ E. - H= $14:03:37$; h about 400 km. (BCIS). M= $6^{3/4}$ (Pasadena).
8	eiP	09 08 15 C	Traces. 2,780 km. 25 dg. Northern Iran, $36^{\circ}5$ N, $55^{\circ}0$ E. - H= $09:02:54$; h about 33 km. (USCGS). M=5 (Moscow).
8	eiPKP ₁	18 38 24 D	Traces. $\Delta=17,110$ km. ~ 154 dg. Tonga Islands region, $15^{\circ}2$ S, $173^{\circ}7$ W. - H= $18:18:29.1$; h about 33 km. (USCGS). M= $6^{3/4}$ (Pasadena).

47.

Date	Phase	Time	Additional Readings and Remarks.
Dec. 8	eP	21 40 18 D	Very weak. $\Delta=11,500$ km. ~ 103.5 dg. Salta-Santiago Del Estero Provinces border, Argentina, $25^{\circ}8$ S, $63^{\circ}4$ W. - H= $21:27:22.2$; h about 620 km. (USCGS). M= $6^{3/4}$ -7 (Pasadena).
10	eiP	05 08 01 D	Traces. $\Delta=8,390$ km. ~ 75.5 dg. Indian Ocean. $28^{\circ}3$ S, $62^{\circ}7$ E. - H= $04:56:19.4$; h about 33 km. (USCGS). M=5 (Moscow).
12	eP	23 08 04 D	Traces. $\Delta=8,165$ km. ~ 73.5 dg. Sumatra, $4^{\circ}6$ N, $96^{\circ}5$ E. - H= $22:56:45.8$; h about 138 km. (USCGS). M=5.9 (Quetta).
18	eiP	02 13 12	Traces. $\Delta=4,110$ km. ~ 37 dg. Kirghiz S.S.R., $39^{\circ}8$ N, 71.4 E. - H= $02:06:09.2$; h about 77 km. (USCGS). M= $4^{1/4}$ (Moscow).
21	e?(sS)	01 07 48	Traces. $\Delta=9,280$ km. ~ 83.5 dg. Near south coast of Java, $9^{\circ}0$ S, $112^{\circ}4$ E. - H= $00:44:19.7$; h about 64 km. (USCGS). M= $6-6^{1/4}$ (Matsushiro, Kew, Port Moresby).
22	eiPKP ₁ eiPKP ₂	01 12 04 CE 08 S	Very weak. $\Delta=16,335$ km. ~ 147 dg. Loyalty Islands region, $22^{\circ}0$ S, $170^{\circ}1$ E. - H= $00:52:23.4$; h about 33 km. (USCGS). M= $6^{1/2}$ - $6^{3/4}$ (Pasadena).
22	ePKP ₁	01 32 43 C	Traces. $\Delta=16,335$ km. ~ 147 dg. Loyalty Islands region, $22^{\circ}0$ S, $170^{\circ}1$ E. - H= $01:13:02.6$; h about 33 km. (USCGS).
22	ePKP ₁ eiPKP ₂	01 48 28 D 31	Very weak. $\Delta=16,335$ km. ~ 147 dg. Loyalty Island region $21^{\circ}9$ S,

48.

Date	Phase	Time	Additional Readings and Remarks
Dec. 22			170°1 E.- H=01:28:48.9; h about 33 km. (USCGS).
22	e P eiSKS	15 33 24 43 52	Very weak. Δ=9,890 km. ~ 89 dg. Fox Islands, Aleutian Islands, 52°5 N, 168°8 W.- H=15:20:31.0; h about 47 km. (USCGS). M=6 1/4 (Pasadena, Peking, Kew).
24	e	11 30.0	Traces. Δ=4,335 km. ~ 39 dg. Nuclear explosion 17 MT. Novaya Zemlya 74° N, 54° E.- H=11:11:4 (BCIS). M=5.5 (Tulsa); 5 1/4 (Kew)
24	ePKP ₁	12 00 27 D	Traces. Δ=16,335 km. ~ 147 dg. Loyalty Islands region. 20°0 S, 170°1 E.- H=11:40:46.7; h about 33 km. (USCGS).
25	e	13 55.0	Traces. Δ=4,220 km. ~ 38 dg. Nuclear explosion 11 MT. Novaya Zemlya about 73° N, 52° E.- H=13:36.3 (Strasbourg).
26	e S	09 08 30	Traces. Δ=3,000 km. ~ 27 dg. Off coast of Portugal, 39°3 N, 10°9 W.- H=08:58:12 (BCIS). M=5.4 (Uppsala, Wichita Mountains)
26	eiP: eiSKS	22 37 42 CW 48 00	Very weak. Δ=9,280 km. ~ 83.5 dg. Komandorskie Islands, 53°9 N, 168°7 E.- H=22:25:15.5; h about 33 km. (USCGS). M=6 1/2 (Palisades, Pasadena, Peking, Moscow).
26	eiP	23 32 34 C	Traces. Δ=4,220 km. ~ 38 dg. Arabian Sea, 23°9 N, 65°4 E.- 23:25:16.7; h about 34 km. (USCGS) M=6.0 (Uppsala, Kiruna).

Date	Phase	Time	Additional Readings and Remarks.
Dec. 26	eiP	23 58 40 D	Traces. Δ=9,280 km. ~ 83.5 dg. Komandorskie Islands, 54°0 N, 168°8 E.- H=23:46:14.7; h about 33 km. (USCGS). M=6.6 (Kiruna, Uppsala).
28	eiP	21 49 49 D	Traces. Δ=7,280 km. ~ 65.5 dg. South Atlantic Ocean, 17°1 S, 14°1 W.- H=21:39:07.9; h about 33 km. (USCGS). M=5.2 (Wichita Mountains).
29	eSKKS	15 18 55	Traces. Δ=17,945 km. ~ 161.5 dg. Kermadec Islands region, 31°2 S, 177°9 W.- H=14:47:41.4; h about 43 km. (USCGS). 6-6 1/4 (Palisades, Matsushiro, Pasadena).
31	ePKP ₁	19 59 52	Traces. Δ=16,610 km. ~ 149.5 dg. Loyalty Islands region, 22°7 S., 171°4 E.- H=19:40:10.5; h about 39 km. (USCGS). M=5.5 (Tulsa).

B. SHORT DISTANCE SHOCKS.

St	Phase	Time	Additional Readings and Remarks,
1	eiPg	00 27 20.7	D An=7 μ , Tn=1 sec., Ae =6 μ , Te=1sec.
	eiPn	21.1	Δ =125 km. ~ 1.1 dg. M=4 (Athens).
	eiSgPg	25.6	Central Greece. About 38 ⁰ ₃ / ₄ N,
	eiSg	35.7	22 ⁰ ₁ / ₄ E (Probably 38 ⁰ ₁ / ₂ N, 22 ⁰ ₁ / ₄ E).-H=00:27.0 (BCIS).
1	eiPg	22 30 16.6	C Very weak. Δ =60 km. ~ 0.5 dg.
	eiPgPg	19.8	Felt in Corinthia (IV+ at Corinth,
	eiSg	24.5	Isthmia).
3	eiPg	20 17 05.4	C Foreshock. Very weak. Δ =50 km. ~
	ePgPg	08.7	C 0.5 dg. Felt on Euboea Island.
	eiSg	11.9	(V+ at Gymnon,).
3	eiPg	20 40 28.9	C Foreshock very weak. Δ =50 km. ~ 0.5
	eiPgPg	32.2	C dg. Felt on Euboea Island (V at
	iSg	35.7	St.- Loukas).
4	eiPg	00 46 07.3	C Weak. Δ =50 km. ~ 0.5 dg. Felt on
	iSg	14.2	<u>Euboea</u> Island (V+ at Gymnon, V at Mytikas, Amarynthos, Aphrations, IV+ at St.-Loukas, IV at Kymi, Phylla, Vryssi, Kyparissi, Avlo- nari, Psachna, Oxyolithos, Marmari- on, Loutra-Aedipsou, III+ at Chal- kis, Ochthonia, Neos Pyrgos, III at Nea-Styra, Taxiarchis) and in the regions of <u>Attica</u> (IV+ at Av- lon, IV at Athens, Ste.-Paraskevi, Megara, Paeania, III at Kalamaki, St.-Stephanos, Ste.-Varvara), <u>Boeo-</u> <u>tia</u> (IV at Thebes, Panaghia, Leuk- tra, Mavromati, Kapareli, St.-Tho- mas III Ste.- Triada, II+ at Dav- lia), <u>Phthiotis</u> (IV at Elatia, Lia- nokladi). Not felt at Ste.- Anna, Oreoe, Is- tiaea (of Euboea), Voula, Vouliag-

Date	Phase	Time	Additional Readings and Remarks.
Jan. 4			meni, Lavreotiki, Korydalos, Ampelakia, Kiphissia, Koropi, Stamatata (of Attica), St.-Vlasios, Koryni, Thisvi, Distomon, Asopia, Aliartos, Leontari (of Boeotia), Sperchias, Amphiklia, Ladikou, Tithorea, Hypati, Stylis, (of Phthiotis). Macroseismic Epicenter about $38^{\circ}1/2$ N, $23^{\circ}3/4$ E. Area of felt shaking about 25,000 km ² . M.M.=4.8* Focal depth about 20 km.
7	ePn eiSg	15 06 08.9 C 17.4	An=106 μ, Tn=3.1 sec., Ae=57 μ, Te=1.6 sec. Δ=85 km.~0.8 dg. M=4.9 (Athens). North Peloponnesus 38° N, $22^{\circ}3/4$ E.- H=15:05.9 (BCIS). Poorly recorded up to 1195. Felt in <u>Corinthia</u> (V at Velon, Corinth, Kalamaki Isthmia, Zevgolatio, IV+ at Athikia, Perighialion, Archaea, Corinth, Sophikon, Loutraki, IV at St.-Theodoros, Chiliomodi, III at Nemea, II+ at Derveni), <u>Argolis</u> (IV at Karya, III+ at Mykinae, III at Arachnaeon, Limnae, Nea-Epidavros, II+ at Nauplion) and <u>Attica</u> (IV at Athens).- Not felt at Argos, Achladokampos (of Argolis), Arachova (of Boetia), Chrisson, Desphina, Galaxidi (of Fokis). Area of felt shaking about 20,000 km ² . M.M.=4.6.* Focal depth about 22 km.
8	eiPn eiSg	05 37 42.5 C 51.2	Aftershock. Very weak. Δ=85 km. 0.8 dg. Felt in <u>Corinthia</u> (IV at Velon).
8	eiPg eiPn eiSg	08 35 20.9 C 23.0 D 30.9	Aftershock. Very weak. Δ=80 km. ~0.7 dg. Felt in <u>Corinthia</u> (IV+ at Athikia).

Phase	Time	Additional Readings and Remarks.
eiPg eSgPnPg iSg	23 13 42.8 C 49.0 49.6	Aftershock of Jan.4. Very weak. Δ=50 km.~ 0.5 dg. Felt on Euboea Island (IV+ at Gymnon).
eiPg eSg	02 12 00.7 C 08.5	An=34 μ, Tn=3.2 sec., Ae=46 μ, Te=1.2 sec., Δ=60 km.~ 0.5 dg. M=4.4 (Athens). Central Greece $38^{\circ}1/2$ N, $22^{\circ}1/4$ E (probably 38° N, 23° E).- H=02:11:50 (BCIS). Poorly recorded up to 140. Felt in <u>Corinthia</u> (V+ at Isthmia, Velon, Asosos, V at Corinth, Archaea, Corinth, Perighialion, Loutraki, IV+ at Athikia, Xylokastron, Derveni, St.-Vasilios, Sophikon, Nemea, IV at Vrachati, Chiliomodi, Stimanga, Panariti), <u>Arcadia</u> (IV+ at Nestani), <u>Argolis</u> (IV at Argos, Nauplion, Mykinae, Arachmaeon, Nea-Tirynthos, Nea-Kios, Limnae, Karya, Koutsopodi), <u>Boeotia</u> (IV at Arachova, II+ at Kyriakion) and <u>Attica</u> (IV at Megara). Not felt at Achladokampos, Assini (of Argolis). Area of felt shaking about 15,000 km ² . M.M.=4.5* Focal depth about 14 km.
eiPg eiSgPg eiSg	02 58 34.8 D 40.2 42.5	Aftershock. Very weak. Δ=60 km.~ 0.5 dg. Felt in <u>Corinthia</u> (IV at Corinth).
e Pn eiPgPg eiSg eiSgSg	03 24 22.8 24.8 C 43.9 46.0	Traces. Δ=160 km.~ 1.4 dg. Felt in <u>Laconia</u> (IV at Longanikon).
eiPg eiPgPg eiSg	04 22 37.3 C 40.4 C 45.0	Aftershock. Very weak. Δ=60 km. ~ 0.5 dg. Felt in <u>Corinthia</u> (IV at Corinth, Velon) and <u>Boeotia</u> (II+ at Arachova).

54.

Date	Phase	Time	Additional Readings and Remarks
Jan, 10	eiPn eSn	12 37 11.5 C 36.5	An=13 μ , Tn=1.3 sec., Ae=13 μ , Te=1.9 sec., Δ =220 km. ~2 dg. M=4.7 (Athens). Off South coast of Peloponnesus 36°2 N, 22°6 E.- H=12:36:37.5; h about 107 km. (USCGS). Recorded up to 87°.
10	eiPg eiPgPg eiSg	16 43 24.5 C 27.1 31.6	Traces. Δ =55 km.~ 0.5 dg. Felt on <u>Euboea Island</u> (IV at Gymnon)
12	eiPn eiPgPg eiSn eiSg ei(SgSg)	20 55 12.0 C 14.2 D 30.8 33.4 35.1	Very weak. Δ =165 km.~1.5 dg. Felt in <u>Achaïa</u> (IV at Patras).
13	e?(Pn) eiSb	17 10 58.0 12 27.7	e 11:04. Traces. Δ =655 km.~5.9 dg. Near coast of Yugoslavia 42°1/4 N, 18°1/4 E.- H=17:09:44 (BCIS).
13	ei(Pn)	17 49 42.5	e? 44:39. Aftershock of Jan.13. Traces. Δ =655 km.~ 5.9 dg. Yugoslavia.- H=17:48:19 (BCIS).
14	eiPn eiPg eiSn eiSg	15 19 25.6 D 29.2 D 57.9 20 07.2	e? 19:18. Traces. Δ =285 km. ~ 2.6 dg. Felt on <u>Leukas Island</u> (IV+ at Leukas).
15	e?(Pg) eiSg	05 24 11.2 18.5	Traces. Δ =55 km.~ 0.5 dg. Felt in <u>Corinthia</u> (IV+ at Isthmia).
15	ePn eiSb	08 36 21.5 C 37 49.2	Aftershock. Traces. Δ =650 km.~ 5.9 dg. Yugoslavia.- H=08:34 (BCIS).
15	eiPg eiPgPg eiSg	18 09 39.2 C 41.6 48.9	Traces. Δ =80 km.~ 0.7 dg. Felt in <u>Corinthia</u> (IV at Athikia).

55.

Date	Phase	Time	Additional Readings and Remarks
Jan. 16	eiPg eiSg	07 32 35.6 D 42.6	Traces. Δ =55 km.~ 0.5 dg. Felt on <u>Euboea Island</u> (II+ at Chalkis).
16	iPg eiPgPg eiSg	09 15 35.2 C 38.0 43.2	Weak. Δ =65 km.~ 0.6 dg. Felt in <u>Corinthia</u> (V at Isthmia, Corinth, Loutraki, IV+ at Velon, IV at Athikia, St.- Theodoroe).
16	e(Pn) eiPgPg eiSg	12 46 29.0 C 29.2 C 40.3	Traces. Δ =105 km.~ 0.9 dg. Felt in <u>Corinthia</u> (IV+ at Xylokastron).
16	e(Pg) eiSg	13 44 59.0 D 45 08.2	Traces. Δ =70 km.~ 0.6 dg. Felt in <u>Corinthia</u> (III at Isthmia).
18	ePg eiSg	04 57 08.6 C 17.3	Traces. Δ =70 km.~ 0.6 dg. Felt in <u>Corinthia</u> (IV at Isthmia).
19	eiPg eiSgPg eiSg	04 20 35.6 C 41.0 44.8	Traces. Δ =70 km.~ 0.6 dg. Felt in <u>Corinthia</u> (IV at Isthmia).
19	eiPn eiPgPg eiSg ei(SgSg)	19 38 26.4 D 28.8 C 45.8 48.0	An=114 μ , Tn=3.0 sec, Ae=39 μ , Te=3.0 sec., Δ =155 km.~ 1.4 dg. M=5.3 (Athens). Central Greece 38°5 N, 22°1 E.- H=19:38:04.1; h about 38 km. (USCGS). M=5.5 (Uppsala), 5.3 (Roma). 5 1/4 (Moscow). Recorded up to 89°. Felt in <u>Aetolia</u> (VI+ Naupaktos, V+ at Aetolikon, Mataranga, V at Rigani, Platanos, Evinochori, Mesolonghi, IV+ at Agrinion, Cavalcu, Galatas, IV at Stamma, Panaetolion, Neochori), <u>Acarnania</u> (V+ at Phytiae, IV at Astakos, III at Amphilocheia), <u>Fokis</u> (V at Itea, Chryson, Lidoriki, Kalithea, Galaxidi, Ste.- Euthymia, Desphina, IV at Amphissa, Polydroson), <u>Evrytania</u> (IV+ at Karpenisi, Kerasochori), <u>Phthio-</u>

Date	Phase	Time	Additional Readings and Remarks.
Jan. 19			tis (IV at Amphiklia, Regini, Leuka, Lianokladi, III at Kato-Tithorea, Atalanti, II+ at Molos), Achaia (V+ at Vrachneika, Metochi, Temeni, St.-George-Rion, Lechouri, Kounina, Pteri, Chalandritsa, Ano-Kastritsi, V at Kertezi, Patras, Kalavryta, IV+ at Rododaphni, Lousika, Kalanistra, Akrata, Kato-Achaia, Mazaraki, Kato-Klitoria, IV at Ano-Klitoria, Skiada, Klitor, Valimitika Alissos, III+ at Aroania, III at Drosia), Elis (V+ at Gastouni, V at Letrinoe, IV+ at Vounargos, Makrysia, IV at Pelopion, Krestena, Kalitheia, Kalydona, Varvassaena, Andravida Lampia, Chavari, Zacharo, Epitalion, III at Strephi, Kato-Phygalia, II+ at Katakolon), Corinth (V at Perighiali, Lechaon, IV at Derveni, Vrachati, IV at Nemea, Sykion, Archaea-Corinth, Athikia, III at Corinth), Arcadia (IV at Vyzikion, Vlachokerasia, Vytina, Kandila, III+ at Doliana, Kolinae, III at Astros, Kakourion, Nestani, Stadion), and on the Islands of Cephalonia (IV+ at Sami, IV at Spartiae, III at Lixouri, Digaleton, II+ at Skala) Zante (III at Skoulikadon), and Leukas (III at St.-Petros, II+ at Leukas). Not felt at Nea-Avorani, Paravola (of Aetolia), Phourna, Neraida (of Evrytania), Elatia, Lamia, Larinna, Malesina, Styliis (of Phthiotis), Panaghia, St.-Vlasios (of Boeotia), Tripolis, Megalopolis, Korakovouni

Date	Phase	Time	Additional Readings and Remarks.
Jan. 19			(of Arcadia), Volimes, Lithakia (of Zante). Area of felt shaking about 55.000 km ² . M.M=5.4* Focal depth about 20 km.
19	e Pn eiPg eiSgPnPg eiSn	19 44 58.6 59.1 45 01.3 16.6	Aftershock. Very Weak. Δ=155 km. ~1.4 dg.
19	e Pn eiSg eiSgSg	20 05 36.0 55.8 58.1	Aftershock. Traces. Δ=155 km. ~1.4 dg.
19	e Pn eSgPg eSgSg	20 08 35.3 40.8 57.7	Aftershock. Traces. Δ=155 km. ~1.4 dg.
19	ePn ePgPg eSg	20 40 37.3 39.3 56.3	Aftershock. Traces. Δ=160 km. ~1.4 dg. Felt in Achaia (IV at Ano-Klitoria).
19	iPn eiSgSg	22 18 48.3 19 09.2	An=114μ, Tn=2.9 sec., Ae=99μ, Te=4.4 sec. Δ=145 km. ~1.3 dg. M=5.4 (Athens). Central Greece 38°4 N, 22°2 E.- H= 22:18:26.7; h about 46 km. (USCGS). M=4 ¹ / ₂ (Moscow). Recorded up to 89° Felt in Achaia (V+ at Vrachneika, Patras, Chalandritsa, Pteri, Lechouri, V at Temeni, Kounina, Mazaraki, IV+ at Kalavryta, Rododaphni, IV at Kertezi, Valimitica, Kato-Achaia, Akrata, St.-George-Rion, Klitor, Kato Klitoria, Drymon, III at Aroania, Alissos, Lousika), Elis (V+ at Kolyrion, IV+ at Epitalion, Vounargos, IV at Pelopion, Letriniae, Krestena, Gastouni, Zacharo, III at Xylokeras, Kato-Phygalia), Co-

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Date	Phase	Time	Additional Readings and Remarks.
Jan. 19			<p> <u>Corinthia</u> (V at Lechaeon, Derveni, IV+ at Perighiali IV at Sykion, Vrachati, Archaea-Corinth, Athikia, III+ at Nemea, III at Corinth), <u>Arcadia</u> (IV at Kandila, Vytina, Vyzikion, III+ at Nestani, II+ at Stadion), <u>Fokis</u> (V at Chryson, Itea, IV+ at Lidoriki, Ste.- Euthymia, Kalithea, Desphina, IV at Galaxidi, Polydrosion), <u>Boeotia</u> (V at Arachova), <u>Acarmania</u> (IV+ at Phytiae, III at Amphiloehia), <u>Aetolia</u> (IV at Mesolonghi, Agrinion, Naupaktos, Platanos, III+ at Mataranga, Neochori, III at Angelokastron, Paravola) <u>Phthiotis</u> (IV at Elatia, III+ at Amphiklia, III at Sperchias, Kato-Tithorea), and on the Islands of <u>Cephalonia</u> (IV at Sami, Spartiae, III+ at Lixouri, III at Digaleton, II+ at Stala), <u>Zante</u> (III at Skoulikadon), <u>Leukas</u> (III at St.-Petros). Not felt at Andravida, Makryisia, Varvasena, Katakolon (of Elis), St.- Vasilios, Chiliomodi (of Corinthia), Tripolis, Megalopolis, Vlachokerasia (of Arkadia), Amphissa (of Fokis), Panaghia, St.-Vlasios (of Boeotia), Aetolikon, Nea-Avorani, Rigani (of Aetolia), Malesina, Larymna, Lania, Lianokladi, Domokos (of Phthiotis), Volimes (of Zante) Leukas (of Leukas). Area of felt shaking about 40,000 km². M.M=5.1*, Focal depth about 25 km. </p>

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Date	Phase	Time	Additional Readings and Remarks.
Jan. 19	eiPn eiSg	22 34 30.8 D 49.5	Aftershock. Traces. $\Delta=150$ km. ~ 1.4 dg.
19	e Pn eiSg	23 15 57.9 C 16 16.7	Aftershock. Traces. $\Delta=155$ km. ~ 1.4 dg.
20	e Pn e Sg	10 03 14.6 D 32.6	Aftershock. Very weak. $\Delta=145$ km. 1.3 dg.
21	e Pg eiSg	00 48 59.5 D 49 08.5	Traces. $\Delta=70$ km. ~ 0.6 dg. Felt in <u>Corinthia</u> (IV at Isthmia).
22	eiPn eiSg	04 16 11.8 C 29.8	Aftershock. Traces. $\Delta=145$ km. ~ 1.3 dg. Felt in <u>Aetolia</u> (III+ at Naupaktos).
22	e Pn eiSgSg	07 39 04.3 25.1	Aftershock. Traces. $\Delta=145$ km. ~ 1.3 dg. Felt in <u>Achaia</u> (IV at Kalavryta, Klitor).
22	eiPn eiPg eiPgPg eiSg	09 44 58.9 D 45 00.3 C 01.5 D 22.8	Traces. $\Delta=185$ km. ~ 1.7 dg. Felt in <u>Laconia</u> (IV at Mystras) and <u>Messenia</u> (III at Kalamae).
22	eiPn eiSgPnPg eiSg eiSgSg	11 11 14.5 C 17.4 34.3 36.7	Aftershock. Traces. $\Delta=155$ km. ~ 1.4 dg.
23	eiPn eiPg eiPgPg eiSg	16 08 22.3 23.2 24.5 43.8	e? 08:20. Traces. $\Delta=170$ km. ~ 1.5 dg. Felt in <u>Achaia</u> (IV at St.-George-Rion).
25	eiPn eiPgPg	14 14 45.5 C 47.7 C	Very weak. $\Delta=170$ km. ~ 1.5 dg. Felt in <u>Achaia</u> (IV+ Drepanon, IV

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Date	Phase	Time	Additional Readings and Remarks.
Jan. 23	eiSgPg eiSg eiSgSg	51.4 15 07.2 09.2	at Patras, St.-George-Rion).
26	eiPn iSg	08 18 26.6 19 15.3	CNE An=213 μ , Tn=3.5 sec., Ae=434 μ , Te=1.9 sec., Δ =330 km. M=6.4 (Athens). Off west coast of Crete Island 35°1 N, 22°8 E.- H=08:17: 40; h about 33 km. (BCIS). M=6.5 (Uppsala, Kiruna), 5 ³ / ₄ (Matsu- shiro), 5.6 (Kew) 5 ¹ / ₂ (Peking, Moscow), 5-5 ¹ / ₄ (Palisades) Re- corded up to 99°.
27	eiPg eiPpPg eiSgPnPg eiSg	01 08 17.5 19.5 21.8 29.4	C Very weak. Δ =95 km. ~ 0.9 dg. Felt on <u>Euboea</u> Island (V at Kymi, IV at Avlonari, Oxyolithos).
27	iPg eiPpPg eiSg	01 45 48.5 50.3 46 00.8	C Very weak. Δ =95 km. ~ 0.9 dg. Felt on <u>Euboea</u> Island (V at Ta- xiarchae, IV+ at Kymi, IV at Oxy- olithos, Avlonari).
27	iPg eiPpPg eiSgPnPg eiSg	02 26 38.4 40.2 42.7	C Very Weak. Δ =95 km. ~ 0.9 dg. Felt on <u>Euboea</u> Island (IV+ at Kymi, IV at Oxyolithos).
27	e Pn eiPg e Sn eiSb eiSg	05 43 22.2 29.8 54.1 58.3 44 02.6	An=7 μ , Tn=2 sec., Ae=4 μ , Te= 1.2 sec. Δ =280 km. ~ 2.5 dg. M= 4.4 (Athens). Ionian Islands 38°8 N, 20°6 E.- H=05:42:40 (BCIS). Poorly recorded up to 22°.
28	e?(Pn) eiSg	00 53 40.8 54 26.9	e53:45, 54:33. Traces. Δ =315 km. ~ 2.8 dg. NW Greece about 40° N, 21° ¹ / ₄ E.- H=00:52.9 (BCIS).
29	e Pn eiSg eiSgSg	02 59 41.8 03 00 05.5 07.7	C Traces. Δ =180 km. ~ 1.6 dg. Felt in Messenia (IV+ at Kalamae).

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Date	Phase	Time	Additional Readings and Remarks.
Feb. 4	eiPn eiPg eiSn eiSb eiSg	10 43 50.4 55.2 44 17.8 20.2 23.1	D An=7 μ , Tn=1.4 sec. Ae=8 μ , Te= 1.3 sec. Δ =240 km. ~ 2.2 dg. M= 4.5 (Athens). Ionian Islands.- H=10:43:30(BCIS).
4	ePg eiPpPg eiSg	20 54 57.2 59.9 55 05.9	D Traces. Δ =70 km. ~ 0.6 dg. Felt in <u>Corinthia</u> (V at Isthmia).
5	e?Pg e Pn e Sg	01 30 09.3 11.5 19.1	Traces. Δ =80 km. ~ 0.7 dg. Felt in <u>Corinthia</u> (IV at Isthmia).
5	e Pn e(Sn) eiSg	04 39 09.6 29.4 33.4	Traces. Δ =180 km. ~ 1.6 dg. Felt in Achaia (II+ at Temeni).
6	eiPb eiSg	08 00 39.6 01 51.2	e? 00:37, ei 01:46. Traces. Δ = 520 km. ~ 4.7 dg. Off coast coast of Rhodes Island about 36° N, 29° E.- H=07:59.3 (BCIS). Very poorly recorded up to 19°.
6	e?(Pn) eiPb eiPg eiSn ei(Sb) ei(Sg)	10 35 18.6 20.9 24.2 46.6 49.7 52.6	C Very weak. Δ =240 km. ~ 2.2 dg. Felt in Elis (IV+ at Letrincoe, IV at Kalydona, III+ at Makryisia).
7	eiPg	13 43 53.6	e?43:52. Traces. Δ =645 km. ~ 5.8 dg. Albania about 43° N, 19°8 E.- H=13:42:00 (BCIS).
10	e Pn eiPg eiSg	21 51 00.9 01.8 22.8	D Traces. Δ =170 km. ~ 1.5 dg. Felt in <u>Fokis</u> (IV at Galaxidi).
12	eiPg eiPpPg eiSg	16 06 07.0 09.5 16.2	D Very weak. Δ =70 km. ~ 0.6 dg. Felt on <u>Hydra</u> Island (IV at Hydra).

Date	Phase	Time	Additional Reading and Remarks.
Feb. 16	eiPb eiSb	13 47 37.3 D 48 22.7	e 747:32, ei 47:33 C Very weak. $\Delta = 395$ km. ~ 3.6 dg. Albania $40^{\circ}1/2$ N, $20^{\circ}1/2$ E. - H=13:46:29 (BCIS). Poorly recorded up to 27° .
18	eiPn eiPgPg eiSn	09 11 12.2 D 12.8 C 26.6	Traces. $\Delta = 110$ km. ~ 1 dg. Felt on <u>Euboea</u> Island (IV at Ste.-Anna).
18	e Pn eiPgPg eiSg eiSn	09 24 38.2 D 38.8 D 50.5 52.0	Very Weak. $\Delta = 110$ km. ~ 1 dg. Felt on <u>Euboea</u> Island (IV at Ste.-Anna).
18	eiPb eiSg	19 55 53.0 56 32.2	e 55:49 D. Traces. $\Delta = 295$ km. ~ 2.7 dg. Felt on <u>Cephalonia</u> Island (IV+ at Lixouri, Spartiae, IV at Argostoli, Vlachata).
19	eiPn eiPg eiSn eiSg	05 04 57.9 C 05 02.4 23.5 27.8	Traces. $\Delta = 220$ km. ~ 2 dg. Felt in <u>Aetolia</u> (IV+ at Mesolonghi, Panaetolion, IV at Agrinion, Aetolikon, III+ at Gavalou).
20	eiPn eiSgPg eiSg ei(Sn) eiSgSg	23 24 42.7 C 46.4 C 55.4 56.4 58.2	Very weak. $\Delta = 110$ km. ~ 1 dg. Felt in <u>Fokis</u> (IV+ at Itea, IV at Galaxidi) and <u>Achaia</u> (IV at Akrata).
21	e Pg e Sg	12 24 56.5 D 25 20.9	ei 25:27. An=11 μ , Tn=2.6 sec., Ae=6 μ , Te=2 sec., $\Delta = 200$ km. ~ 1.8 dg. M=4.4 (Athens). Gulf of Patras $38^{\circ}1/4$ N, $21^{\circ}1/2$ E. - H=12:24:25 (BCIS). Recorded up to 21° . Felt in Elis (IV+ at Katakolon, Chavari, IV at Letrinæ, Kalydona). Area of felt shaking about $30,000$ km ² . M.M.=4.8. Focal depth about 31 km.

Date	Phase	Time	Additional Readings and Remarks.
Feb. 23	ePn eSg eiSgSg	23 27 10.3 35.6 38.0	Traces. $\Delta = 190$ km. ~ 1.7 dg. Felt in <u>Fokis</u> (IV+ at Lidori i, Kasteli), and <u>Phthiotis</u> (IV at Lianokladi).
24	ePg eiPgPg eiSg	19 48 39.8 42.2 48.7	Traces. $\Delta = 70$ km. ~ 0.6 dg. Felt in <u>Corinthia</u> (IV+ at Isthmia).
24	ePg eiSg	20 22 50.3 59.2	Traces. $\Delta = 70$ km. ~ 0.6 dg. Felt in <u>Corinthia</u> (IV+ at Isthmia).
27	ePn ei(Sg)	21 12 09.9 32.4	Traces. $\Delta = 175$ km. ~ 1.6 dg. Felt in <u>Evrytania</u> (IV at Agrapha).
28	ePn eSg	00 22 09.7 D 29.0	Traces. $\Delta = 155$ km. ~ 1.4 dg. Felt in <u>Magnesia</u> (IV+ at Mileae, IV at St.-George-Nilias).
Mar. 1	ePg eiSg	09 49 58.9 D 50 23.0	An=13 μ , Tn=1.5 sec., Ae=13 μ , Te=1.3 sec., $\Delta = 195$ km. ~ 1.8 dg. M=4.6 (Athens). West Greece $38^{\circ}3/4$ N, $21^{\circ}3/4$ E. - H=09:49:28 (BCIS). Recorded up to 22° . No of stations 13. Felt in <u>Aetolia</u> (V at Aetolikon, IV+ at Platanos, Panaetolion, Rigani, IV at Messolonghi, Agrinion, Gavalou, Galatas). <u>Achaia</u> (IV+ at Kato-Achaia, III+ at Kastritsi), <u>Acamania</u> (IV at Astakos) and <u>Fokis</u> (III at Galaxidi). Area of felt shaking about $15,000$ km ² . M.M.=4.4. *
1	eiPg eiPgPg eiSn eiSg	18 49 19.9 20.8 D 39.6 44.3	Very weak. $\Delta = 195$ km. ~ 1.8 dg. Aftershock. Felt in <u>Aetolia</u> (IV et Platanos, Gavalou).
9	ePn e(Pg) eiSn eSg	18 12 11.3 C 18.2 41.2 48.5	Traces. $\Delta = 260$ km. ~ 2.3 dg. Aegean Sea.

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Date	Phase	Time	Additional Readings	Remarks.
Mar. 11	eiPg eiSg	08 27 53.7 C 28 07.8	An=17 μ , Tn=0.7 sec., Ae=21 μ , Te= 1 sec., Δ =115 km. ~ 1 dg. M=4.4 (Athens). Peloponnesus, about 37° ¹ / ₂ N, 22° ¹ / ₂ E.- H= 08:27.6 (BCIS). Recorded up to 18° N° of stations 8. Felt in <u>Arcadia</u> (III at Doliana).	
14	ePg eSgPnPg eiSg	04 45 26.1 D 27.6 D 47.8	Traces. Δ =175 km. ~ 1.6 dg. Felt in <u>Achaia</u> (IV at Patras, Kalavryta, Klitor).	
15	eiPg e Sg	17 17 28.5 D 36.6	e? 17:27. Very Weak Δ =65 km. ~0.6 dg. Felt in <u>Corinthia</u> (IV+ at Isthmia, III at St.- Theodo- roe).	
17	eiPg eiSgPg eiSg	02 02 15.6 D 20.9 D 24.5	Traces. Δ =70 km. ~ 0.6 dg. Felt in <u>Corinthia</u> (IV at Isthmia).	
17	e Pn eiPg eiSn eiSg	03 51 42.5 D 44.1 D 52 02.6 05.9	Traces. Δ =180 km. ~ 1.6 dg. Felt in <u>Evrytania</u> (IV at Kar- penisi).	
18	eiPn i!Sb i!Sg	15 31 37.1 C 32 39.1 49.1	An=104 μ , Tn=2.8 sec., Ae=91 μ , Te=2.8 sec., Δ =465 km. ~ 4.2 dg. M=6.1 (Athens); Southern Alba- nia 40°6 N, 19°5 E.- H=15:30: 33.5 (BCIS). M=6 ³ / ₄ (Kew), 6.5 (Collm), 6 (Moscow, Uppsala), 5 ³ / ₄ (Peking). Recorded up to 152°. N° of stations 180. Di- sastrous earthquake in the region of northern Albania 15 deaths, 154 injuries were reported; 689 houses were destroyed in the region of Fiori and Valona and 123 houses were damaged in the region of Tepelene. The shock	

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Date	Phase	Time	Additional Readings	Remarks.
Mar. 18				was felt as far as the regions of Brindisi and Lacce in Italy and the region of Skopje in Yu- goslavia. The distribution of in- tensities in Greece is as follows: in <u>Kastoria</u> (V at Mavrochori IV at Kastoria), in <u>Thesprotia</u> (V at Plaesion), in <u>Kozani</u> (IV+ at Vel- vendos), in <u>Jannina</u> (IV at Koni- tsa), in <u>Florina</u> (IV at Vevi), in <u>Larisa</u> (IV at Tymavos) and on the <u>Islands Corfou</u> (V at Leukimi, Av- liotes, IV at Corfou), and <u>Leukas</u> (IV at Leukas). Area of felt shaking about 200 000 km ² . M.M.=6.3*. Focal depth about 22 km.
18	eiPb i!Pg i!Sb	17 27 55.5 D 59.1 C 28 26.1	i 27:54 C. Very weak. Δ =260 km. ~ 2.3 dg. Aegean Sea about 36° ³ / ₄ N, 26° ¹ / ₄ E.- H=17:27.2 (BCIS). Re- corded up to 18° N° of Stations 5. Felt on <u>Ios Island</u> (III at Ios).	
19	e?(Pn) eiSb	07 59 18.0 C 08 00 20.9	Traces. Δ =470 km. ~ 4.2 dg. Alba- nia, Aftershock of March 18.- H= 07:58:11 (BCIS).	
20	e Pn e Sn	01 01 38.7 02 32.7	Traces. Δ =500 km. ~ 4.5 dg. Alba- nia, about 41°2 N, 19°6 E.- H= 01:00:25 (BCIS). Recorded up to 16°; N° of stations 8.	
20	eiPb	09 42 24.4	Traces. Δ =465 km. ~ 4.2 dg. Alba- nia, aftershock of March 18.- H= 09:41:10 (BCIS).	
22	e(Pn) ei(Sg)	12 33 07.4 D 32.5	Traces. Δ =190 km. ~ 1.7 dg. Felt in <u>Achaia</u> (IV at Patras).	
23	ePn eiSn eiSg	11 32 36.9 D 55.3 57.9	Traces. Δ =165 km. ~ 1.5 dg. Felt in <u>Evrytania</u> (III at Kerasochori).	

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Date	Phase	Time	Additional Readings and Remarks
Mar. 25	eiPn	21 40 10.2	Traces. $\Delta=810$ km. ~ 7.3 dg. Tyrrhenian sea, north Sicily $39^{\circ}0'N$, $14^{\circ}5'E$. - $H=21:38:25.5$; h about 330 km. (BCIS). Recorded up to $90^{\circ}N^{\circ}$ of stations 63.
26	eiPn ei(Pb) eiSb	09 22 47.1 D 50.1 D 23 20.5	An= 13μ , Tn=2.3 sec. Ae= 13μ , Te=2.0 sec. $\Delta=260$ km. 2.4 dg. M=4.8 (Athens) Ionian Islands, $38^{\circ}5'N$, $20^{\circ}7'E$. $H=09:22:07.2$; h about 33 km. (USCGS). M=4.7 (Collm). Recorded up to 93° ; N° of stations 60. Felt on the Islands <u>Cephalonia</u> (V at Sami, Lixouri, Vlachata, IV+ at Argostoli, Poros, Skala, Spartiae, IV at Mousata III at Digaleton), <u>Ithaca</u> (V at Ithaca), <u>Zante</u> (IV+ at Zante, Volimse) and in the regions of <u>Aetolia</u> (IV+ at Aetolikon IV at Messolonghi), <u>Acarmania</u> (IV+ at Astakos) and <u>Elis</u> (IV at Krestena). Area of felt shaking about 50,000 km ² . M.M.=5.1*. Focal depth about 30 km.
27	ePn eiPg eiSg	02 55 22.6 D 26.4 C 50.6	Traces. $\Delta=205$ km. ~ 1.8 dg. Felt in <u>Evrytania</u> (IV at Karpenisi).
28	eiPn ei(Pb) eiSn eiSb	00 12 33.0 DNE 36.0 C 13 05.5 09.6	Traces. $\Delta=285$ km. ~ 2.6 dg. Aegean Sea about $40^{\circ}1/4'N$, $25^{\circ}1/4'E$. - $H=00:11.9$ (BCIS).
28	eiPn eiSg	10 01 21.6 D 52.0	Traces. $\Delta=220$ km. ~ 2 dg. Felt in <u>Acarmania</u> (V at Palaeomanina) and in <u>Aetolia</u> (V at Stamma).

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Date	Phase	Time	Additional Readings and Remarks
Apr. 3	eiPn e Sg	12 32 11.1 D 31.8	Very weak. $\Delta=165$ km. ~ 1.5 dg. Felt in <u>Achaia</u> (IV at Aeghion, Kertezi, III+ at Ano-Kastritsi, Patras) and in <u>Fokis</u> (II+ at Kastelli).
4	e Pn eiSn	05 42 10.9 53.4	An= 3μ , Tn=3 sec., Ae= 2μ , Te=3 sec. $\Delta=405$ km. ~ 3.6 dg. M=4.3 (Athens) Near south coast of Crete Island $34^{\circ}5'N$, $24^{\circ}9'E$. - $H=05:41:16.1$; h about 56 km. (USCGS). Recorded up to 81° ; N° of stations 19.
	eiPn eiSb	19 56 08.9 DSE 57.2	An= 4μ , Tn=4 sec., Ae= 5μ , Te=3.2 sec., $\Delta=370$ km. ~ 3.3 dg. M=4.5 (Athens). South coast of Crete Island $35^{\circ}0'N$, $25^{\circ}6'E$. - $H=19:55:12.8$; h about 27 km. (USCGS). M= $4\frac{1}{2}$ (Moscow). Recorded up to 94° ; N° of stations 50.
4	eiPn eiPg eiSn	20 52 04.6 DSE 17.1 46.8	An= 10μ , Tn=3.2 sec., Ae= 10μ , Te=3.2 sec. $\Delta=390$ km. ~ 3.5 dg. M=4.9 (Athens). Near south coast of Crete Island $34^{\circ}7'N$, $25^{\circ}5'E$. - $H=20:51:05.2$; h about 21 km. (USCGS). M= $4\frac{1}{2}-5$ (Moscow). Recorded up to 132° ; N° of Stations 80.
4	e Pn eiPg i Sn i Sg	21 00 35.0 CN 48.5 01 18.4 35.5	An= 14μ , Tn=3 sec., Ae= 14μ , Te=3 sec., $\Delta=400$ km. ~ 3.6 dg. M=5.1 (Athens). Near south coast of Crete Island $34^{\circ}6'N$, $25^{\circ}5'E$. - $H=20:59:36.1$; h about 25 km. (USCGS). M=5 (Moscow). Recorded up to 132° ; N° of Stations 87.
6	eiPn eiSn	18 49 02.5 CSE 50.4	An= 4μ , Tn=3 sec., Ae= 4μ , Te=2.6 sec. $\Delta=455$ km. ~ 4.1 dg. M=4.6 (Athens). Foreshock of April 7.

Date	Phase	Time	Additional Readings and Remarks
Apr. 6			Albania 40°8 N, 19°8 E.- H=18:48:02 (BCIS). h about 50 km. (Athens). Recorded up to 25°. N° of stations 16.
7	eiPn eiSn	21 36 31.7 D 37 17.9	An=4μ, Tn=3 sec. Ae=4μ, Te=3 sec., Δ=445 km. ~ 4 dg. M=4.6 (Athens). Albania 40°8 N, 19°9 E.- H=21:35:30.4; h about 47 km. (USCGS). Recorded up to 86°. N° of stations 31.
10	e Pn eiSn eiSb	00 23 11.7 DN 4 6 54.2	e? 23:11 E. An=7μ, Tn=2.4 sec., Ae=7μ, Te=2 sec., Δ=330 km. ~ 3 dg. M=4.6 (Athens). Epirus 39°5 N, 20°5 E.- H=00:22:28 (BCIS). Recorded up to 21°. N° of Stations 13. A damaging shock in the district of Jannina, destroyed 12 houses at Marmara and damaged beyond repair 30 per cent at Jannina. The shock was felt in the region of <u>Jannina</u> (VII at Marmara, Jannina, VI at Eleousa, V+ at Vounoplachia, IV at Metsovon. Area of felt shaking about 15,000 km ² . M.M.=4.6*.
10	e Pb eiSn	00 45 35.5 C 46 07.3	Traces. Δ=325 km. ~2.9 dg. Aftershock of April 10. Felt in <u>Jannina</u> (V at Jannina Marmara, Eleousa) and on <u>Corfou</u> Island (IV at Aphra).
10	e Pn e(Pb) e Pg i Sn	21 37 57.4CE 38 02.1 07.0 32.9	An=368μ, Tn=3.7 sec., Ae=392μ, Te=5 sec., Δ=320 km. ~ 2.9 dg. M=6.4 (Athens). Ionian Sea 37°6 N, 20°1 E.- H=21:37:13; h about 33 km. (BCIS). H=6 ¹ / ₄ -6 ¹ / ₂ (Col-Im), 6.3 (Roma), 6 ¹ / ₄ (Moscow),

Date	Phase	Time	Additional Readings and Remarks
Apr. 10			6 (Lwiro), 5 ³ / ₄ (Kew), 5-5 ¹ / ₄ (Palisades). Recorded up to 154°. N° of Stations 209. Felt on the Island of Zante (VI at Volimes, V at Zante Kerī, Gherakari, Skoulikadon, Mouzaki, IV+ at Machaeradon, Katastari, Ghaïtani), <u>Leukas</u> (V at Karya, IV at Leukas, St.-Petros), <u>Cephalonia</u> (IV+ at Lixouri, Argostoli, Skala, Mousata, IV at Sami, Vlachata, Asprogherakas, Poros, III+ at Digaleton), <u>Corfou</u> (IV at Kato-Korakiana, Chlomos, IV at Corfou, Nymphae, Perivoli, Kynopiastae, Ringlades, Karousades, Gastouri), <u>Paxoe</u> (IV at Gaïos), <u>Ithaca</u> (IV at Ithaca), <u>Kalamos</u> (III at Kalamos), and in the regions of <u>Acarmania</u> (V+ at Katouna V at Mytikas IV+ at Phytiae, Astakos, Palaeros, IV at Thyrion, Vonnitsa, Papadatos, III+ at Palaeomanina, III at Patiopoulon) <u>Aetolia</u> (V+ at Aetolikon, V at Angelokastron, Mesolonghi, IV+ at Agrinion, IV at Stamma, III+ at Galvalou), <u>Elis</u> (V+ at Strephi, V at Vartholomio, Vouprasi, Salmoni, IV+ at Traganon Letrinou, Chavari, Katakolon, Krestena, Gastouni, Amalias, IV at Vounargos, Pelopion, Varvasaena, Kalydona, Epitalion, III at Adritsaena), <u>Messenia</u> (V+ at Chora, V at Chatzi, Kynighos, IV+ at Platy, IV at Philiatra, Gargalianoe, Evangelismos, Messini, Chandrinou, Arphara, III+ at Arisos, Kentrikon, Vasilitsi, III at Kyparissia, Katsaros), <u>Achaïa</u> (IV+ at Patras, Kertezi, Sagheïka, Kato-Achaïa, IV at Vrachneïka, Pteri, III+ at Mazaraki, Alissos, II-

Date	Phase	Time	Additional Readings and Remarks
Apr. 10			at Klitor), Argolis (IV at Karya), Corinthia (IV at Xylokastron, II+ at Derveni) Arcadia (IV at Mygda- lia, III at Vizikion), Arta (IV+ at Anezi, IV at Kataraktis, Klidi, III+ at Arta, Ano-Grekikon), Janni- na (IV at Pramanta, Metsovon, III+ at Koutseli, III at Parakalamos, Terovon) Thesprotia IV+ at Egoume- nitsa, III+ at Grekochori, Margari- tion), Preveza (IV at Preveza, Phi- lipias, Myrsini, Louros, Thespro- tikon, III+ at Vrachos), Larisa (IV at Larisa, Tyrnavos, Melivia), Fokis III at Polydroson). Not felt at Ano-Korakiana, Sinara- des (of Corfou), Amphilochia (of Acarmania), Analipsis (of Aetolia), Kalithea, Lampia (of Elis) Kalamae Koroni, Methoni, Kopanaki, Diavoli- tsi (of Messenia), Draganon, Daphni Chalandritsa, Temeni, Kalavryta, Valimitika, Kalanistra (of Achaia), Ste.- Paraskevi, Chosepsi, Amoto- pos (of Arta), Doliana Kourenta (of Jannina), Philiates, Saghiaes (of Thesprotia), Argos, Nauplion, Nea-Epidravros, (of Argolis) Asos, Velon, Loutraki, Isthmia, Nemea, Si- kyon, (of Corinthia), Kandyla, Le- vidi Leonidi, Tripolis, Vytina (of Arcadia) Sparti, Gythion, Krokea, (Of Laconia) Amphissa, Desphina, Galaxidi, (of Fokis) Styliis, Kato - Tithorea, (or Phthiotis), Phourna, Raptopou- lon (Evrytania). Area of felt shak- ing about 290,000 km ² . M.M.=6.3* Focal depth about 35 km.
10	e(Pn)	21 58 24.2	Traces. $\Delta=320$ km. 2.9 df. After- shock of April 10, Ionian sea.- H=21:57.7 (BCIS).

Date	Phase	Time	Additional Readings and Remarks.
Apr. 10	ePn eiSn	22 11 35.2 12 10.9	An=13 μ , Tn=3 sec., Ae=11 μ , Te=3.5 sec. $\Delta=320$ km. ~ 2.9 dg. M=4.9 (Athens). Aftershock of April 10. Ionian Sea 37.6 N, 20°1 E.- H=22:10:50 (BCIS) Recorded up to 88°. N° of Stat. 67.
10	eiPn eiSg	22 58 47.0 59 34.7	An=5 μ , Tn=2 sec., Ae=3 μ , Te=1.6 sec., $\Delta=320$ km. ~ 2.9 dg. M=4.4 (Athens). Aftershock of April 10. Ionian Sea.- H=22:58:02 (BCIS). Recorded up to 28°. N° of Stations 8.-
10	e Pn eSg	23 36 47.4 37 34.7	An=11 μ , Tn=3 sec., Ae=8 μ , Te=2.4 sec. $\Delta=320$ km. ~ 2.9 dg. M=4.8 (Athens). Aftershock of April 10. Ionian Sea 37.6 N, 20°1 E.- H= 23:36:02 (BCIS). Recorded up to 88°. N° of Stations 24.
10	eiPn eiSn eiSb	23 43 49.0 D 44 25.4 31.2	An=8 μ , Tn=2 sec., Ae=6 μ , Te=2 sec. $\Delta=325$ km. ~ 3 dg. M=4.6 (Athens). Probably aftershock of April 10. Ionian Sea.- H=23:43.1 (BCIS). Re- corded up to 28°. N° of Stations 10.
11	e Pn e Pb eiPg ei(Sn) ei(Sb) ei(Sg)	00 11 20.9 D 24.9 29.5 55.0 59.9 12 05.3	An=2 μ , Tn=2.7 sec. Ae=2 μ , Te=1.9 sec., $\Delta=310$ km. ~ 2.8 dg. M=4 (Athens). Aftershock of April 10. Ionian Sea 37°6 N, 20°1 E.- H=00:10:34 (BCIS). Recorded up to 23°. N° of Stations 3.
11	e Pn eiPg eiSb	00 23 17.0 D 27.0 C 59.2	An=3 μ , Tn=2 sec., Ae=3 μ , Te=1.6sec. $\Delta=325$ km. ~ 2.9 dg. M=4.3 (Athens). Probably aftershock of April 10.- Ionian Sea.- H=00:22.5 (BCIS).- Recorded up to 26°. N° of Stations 5.

Date	Phase	Time	Additional Readings and Remarks
Apr.			
11	e Pn eiSb	01 28 30.0 D 29 12.1	Traces. $\Delta=320$ km. ~ 2.9 dg. Aftershock of April 10.- Ionian Sea. $37^{\circ}6$ N, $20^{\circ}1$ E.- H=01:27:45 (BCIS). Recorded up to 26° . N ^o of Stations 3.
11	eiPb eiPg eiSg	01 30 44.2 D 49.2 D 31 27.0	An= 3μ , Tn=2 sec., Ae= 2μ , Te=1.6 sec. $\Delta=320$ km. ~ 2.9 dg. M=3.8 (Athens). Probably aftershock of April 10. Ionian Sea.- H=01:29.9 (BCIS). Recorded up to 26° . N ^o of Stations 4.
11	eiPn eiPg i Sn i Sb	01 36 36.5 C 46.0 C 37 12.1 17.9	An= 9μ , Tn=3.6 sec., Ae= 6μ , Te=3.6 sec., $\Delta=320$ km. ~ 2.9 dg. M=4.7 (Athens). Aftershock of April 10. Ionian Sea. $37^{\circ}6$ N, $20^{\circ}1$ E.- H=01:35:51 (BCIS). Recorded up to 88° . N ^o of Stations 23.
11	eiPn eiSn	01 47 44.5 D 48 20.5	An= 4μ , Tn=2.4 sec., Ae= 4μ , Te=2 sec., $\Delta=320$ km. ~ 2.9 dg. M=4.4 (Athens). Probably aftershock of April 10.- Ionian Sea.- H=01:47.0 (BCIS).- Recorded up to 8° . N ^o of Stations 3.
11	eiPn eiPg eiSg	01 58 43.0 D 52.5 59 31.0	An= 6μ , Tn=2.2 sec., Ae= 3μ , Te=3 sec., $\Delta=320$ km. ~ 2.9 dg. M=4.4 (Athens). Aftershock of April 10. Ionian Sea $37^{\circ}6$ N, $20^{\circ}1$ E.- H=01:57.9 (BCIS). Recorded up to 27° . N ^o of Stations 10.

Date	Phase	Time	Additional Readings and Remarks.
Apr.			
11	eiPn eiSb	02 56 00.0 D 40.9	An= 3μ , Tn=2.4 sec., Ae= 2μ , Te=2.4 sec., $\Delta=320$ km. ~ 2.9 dg. M=4.2 (Athens). Aftershock of April 10. Ionian Sea $37^{\circ}6$ N, $20^{\circ}1$ E.- H=02:55:14 (BCIS). Recorded up to 27° ; N ^o of Stations 10.
11	eiPn eiPg eiSb eiSg	03 11 38.5 48.5 D 12 20.6 26.5	An= 5μ , Tn=2.4 sec., Ae= 2μ , Te=1.6 sec., $\Delta=320$ km. ~ 2.9 dg. M=4.3 (Athens). Aftershock of April 10. Ionian Sea $37^{\circ}6$ N, $20^{\circ}1$ E.- H=03:10.9 (BCIS). Recorded up to 26° . N ^o of Stations 8.
11	eiPg eiSg	03 43 48.5 C 44 25.6	e 43:41 D. Traces. $\Delta=320$ km. ~ 2.9 dg. Probable epicenter in Ionian Sea.
11	eiPn eiSg	04 05 43.5 D 06 30.5	Traces. $\Delta=320$ km. ~ 2.9 dg. Aftershock of April 10. Ionian Sea.- H=04:05.0 (BCIS).
11	e Pn eiSg	09 42 35.8 C 43 22.7	Very weak. $\Delta=320$ km. ~ 2.9 dg. Aftershock of April 10.- Ionian Sea $37^{\circ}6$ N, $20^{\circ}1$ E.- H=09:41.8 (BCIS). Recorded up to 28° . N ^o of Stations 7.
11	e Pn eiSg	10 48 16.3 49 02.0	An= 72μ , Tn=3.9 sec., Ae= 57μ , Te=4.8 sec., $\Delta=315$ km. ~ 2.8 dg. M=5.6 (Athens). Ionian Sea $37^{\circ}5$ N, $20^{\circ}2$ E.- H=10:47:31, h about 33 km. (BCIS). M=5.7 (Uppsala, Kiruna), $4\frac{1}{2}$ (Kew). Recorded up to 127° . N ^o of Stations 149. Felt in Aetolia (V at Aetolikon, IV at Agrinion), Acarnania (IV at Mytikas), Elis (IV at Epitalion, III+ at Letrinae), Achaia (IV at

74.

Date	Phase	Time	Additional Readings and Remarks.
Apr. 11			Kato-Achaia, Pteri, Vrachneika, III+ at Mazaraki, Alissos), Fokis (IV at Galaxidi, III at Polydrosos), Thesprotia (III+ at Grekochori), and on the Islands of Zante (IV at Zante), Cephalonia (IV at Lixouri, Skala, Sami), and Ithaca (IV at Ithaca). Not felt at Patras, Klitor, Temeni, Valimitika (of Achaia), Amphisa, Kallithea, (of Fokis), Philiates, Egoumenitsa, (of Thesprotia), Loutraki, Nemea, Xylokastron, Sykion (of Corinthia), Sparti, Gythion, Krokea (of Laconia) Nauplion, Ermioni (of Argolis). Area of felt shaking about 145.000 km ² . M.M. 5.8* .
11	e Pn eiSn	13 11 34.1 D 12 09.4	An=3μ, Tn=3 sec., Ae=3μ, Te=3.4 sec., Δ=315 km. ~ 2.8 dg. M=4.2 (Athens). Aftershock of April 11.- Ionian Sea 37°5 N, 20°2 E.- H=13:10:43 (BCIS). Recorded up to 28°. N° of Stations 7.
11	e Pn eiSn	20 33 21.5 D 57.0	An=4μ, Tn=2 sec. Ae=3μ, Te=2 sec., Δ=315 km. ~ 2.8 dg. M=4.2 (Athens). Probably aftershock of April 11. Ionian Sea.- H=20:32.6 (BCIS). Recorded up to 6°, N° of Stations 3.
11	eiPn eiSg	22 46 04.9 52.4	ei 46:45. An=4μ, Tn=4 sec., Ae=3μ, Te=4 sec. Δ=320 km. ~ 2.9 dg. M=4.3 (Athens). Probably aftershock of April 11.- Ionian Sea.- H=22:45.3 (BCIS). Recorded up to 23°. N° of stations 5.

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Date	Phase	Time	Additional Readings and Remarks.
Apr. 12	eiPn eiPb eiPg i Sn i(Sb)	00 02 33.7 D 37.5 D 42.4 D 03 07.5 11.9	ei 02:11. An=8μ, Tn=3 sec., Ae=7μ, Te=1.8 sec., Δ=300 km. ~ 2.7 dg. M=4.6 (Athens). Aftershock of April 11. Ionian Sea 37°5 N, 20°2 E.- H=00:01:48.1 (BCIS). Recorded up to 78°. N° of stations 19.
12	ePn eiSn	00 44 20.2 CE 55.3	An=10μ, Tn=3.2 sec., Ae=9μ, Te=5.2 sec., Δ=315 km. ~ 2.8 dg. M=4.8 (Athens). Probably aftershock.- Ionian Sea.- H=00:43:28 (BCIS). Recorded up to 28°. N° of Stations 22.
12	e Pn eiSn	02 38 03.0 C 38.5	Traces. Δ=315 km. ~ 2.8 dg. Probably aftershock of April 11. Ionian Sea. H=02:37.3 (BCIS). Recorded up to 28°. N° of Stations 3.
12	e Pn eiSn	03 30 04.9 40.5	Very weak. Δ=315 km. ~ 2.8 dg. Aftershock of April 11.- Ionian Sea. 37°5 N, 20°2 E.- H=03:29:18 (BCIS). Recorded up to 28°. N° of Stations 7.
12	eiPn eiSn	08 57 25.9 D 58 00.9	Weak. Δ=315 km. ~ 2.8 dg. Probably aftershock of April 11.- Ionian Sea (BCIS). Recorded up to 28°. N° of stations 5.
12	e Pn eiSn	11 32 31.1 D 33 06.5	Very weak. Δ=315 km. ~ 2.8 dg. Probably aftershock.- Ionian Sea (BCIS).
12	eiPn eiSn	15 25 10.9 D 46.7	An=6μ, Tn=3 sec., Ae=2μ, Te=3 sec. Δ=320 km. ~ 2.9 dg. M=4.4 (Athens). Aftershock of April 11. Ionian sea 37°5 N, 20°2 E.- H=15:24:18.8 (BCIS) Recorded up to 28°. N° of stations 7.-

76.

Date	Phase	Time	Additional Readings and Remarks
Apr. 13	ePn ePb eiSg	10 50 25.6 D 30.1 C 51 13.6	An=4 μ , Tn=3 sec., Ae=5 μ , Te=2 sec., Δ =325 km.~ 2.9 dg. M=4.4 (Athens). Aftershock. Ionian Sea.- H=10:49.7 (BCIS). Recorded up to 28 $^{\circ}$. N $^{\circ}$ of Stations 3.
15	e(Pb) ePg eiSb	22 09 14.4 19.9 51.3	An=5 μ , Tn=3 sec., Ae=4 μ , Te=2 sec., Δ =315 km.~ 2.8 dg. M=4.4 (Athens).- Ionian Sea 37 $^{\circ}$ 5 N, 20 $^{\circ}$ 2 E.- H=22:08:24 (BCIS). Recorded up to 26 $^{\circ}$. N $^{\circ}$ of Stations 6.
15	ePn eiSb	03 30 26.4 31 07.6	Traces. Δ =320 km.~ 2.9 dg. Felt on <u>Zante</u> Island (III at Katastari).
15	ePg eiSg	04 09 23.1 59.8	Traces. Δ =210 km.~ 2.8 dg. Felt on <u>Zante</u> Island (IV at Volimes).
15	ePg eSg	04 45 53.5 46 05.6	Traces. Δ =95 km.~ 0.9 dg. Felt in <u>Corinthia</u> (IV at Xylokastron).
15	ePn eiSn	09 44 12.0C 47.3	An=4 μ , Tn=3 sec., Ae=2 μ , Te=4 sec., Δ =315 km.~ 2.8 dg. M=4.2 (Athens). Probably aftershock of April 11. Ionian Sea.- H=09:43.4 (BCIS). Recorded up to 27 $^{\circ}$. N $^{\circ}$ of stations 6. Felt on Cephalonia Island (IV at Lixouri).
15	e?(Pn) eiPg e Sg	18 10 30.1 35.1 C 11 03.6	Traces. Δ =240 km.~ 2.2 dg. Felt in Aetolia (IV at Gavalou).
16	eiPn eiSn	00 16 01.2C 35.1	An=39 μ , Tn=2.5 sec., Ae=22 μ , Te=2.7 sec., Δ =300 km.~ 2.7 dg.

77.

Date	Phase	Time	Additional Readings and Remarks.
Apr. 16	eSb eiSg	40.2 45.1	M=5.3 (Athens). Ionian Sea 37 $^{\circ}$ 6 N, 20 $^{\circ}$ 3 E.- H=00:15:15 (BCIS). M=4 1/2 (Moscow). Recorded up to 88 $^{\circ}$; N $^{\circ}$ of Stations 77. Felt on the Islands of <u>Zante</u> (IV+ of Zante) and <u>Cephalonia</u> (IV at Sami). Area of felt shaking about 20,000 km 2 M.M.=4.5*.
16	e(Sg)	04 34 05.8	Traces. Felt on <u>Cephalonia</u> Island (IV+ at Sami, Lixouri).
16	e Pb e Sg	07 19 53.6 20 29.9	An=5 μ , Tn=2 sec., Ae=6 μ , Te=2 sec. Δ =350 km.~ 3.2 dg. M=4.6 (Athens) Dodecanese Islands 35 $^{\circ}$ 8 N, 26 $^{\circ}$ 5 E.- H=07:18:54.1; h about 33 km. Recorded up to 95 $^{\circ}$; N $^{\circ}$ of Stations 29.
16	e?(Pn) eiSn eiSb	13 11 30.0 12 04.3 10.1	Very weak. Δ =310 km.~ 2.8 dg.
17	eiPn eiSn	10 05 20.0 D 06 29.9	An=5 μ , Tn=3 sec., Ae=6 μ , Te=3 sec. Δ =660 km~ 6 dg. M=5 (Athens). Adriatic Sea 42 $^{\circ}$ 4 N, 17 $^{\circ}$ 4 E.- H=10:03:50 (BCIS). M=5.5 (Uppsala), 5.4 (Praha), 4 3/4 (Moscow). Recorded up to 92 $^{\circ}$; N $^{\circ}$ of Stations 110.
17	eiPn eiSb	11 16 18.1CNE 17 00.2	An=48 μ , Tn=1.9 sec., Ae=14 μ , Te=1.4 sec., Δ =320 km.~ 2.9 dg. M=5.3 (Athens). Aftershock of April 10.- Ionian Sea, 37 $^{\circ}$.6 N, 20 $^{\circ}$ 1 E.- H=11:15.5 (BCIS). Recorded up to 77 $^{\circ}$; N $^{\circ}$ of Stations 22.
17	eiPn eiPb	11 34 39.9C 44.3C	An=44 μ , Tn=2.8 sec., Ae=26 μ , Te=2.0 sec., Δ =320 km.~ 2.9 dg. M=

78.

Date	Phase	Time	Additional Readings and Remarks.
Apr. 17	iiSn eiSb	35 15.8 21.3	5.4 (Athens). Aftershock of April 10.- Ionian Sea. 37°6 N, 20°1 E.- H=11:33:55 (BCIS).- M=5 (Moscow), 4 (Kew). Recorded up to 95°; N° of Stations 97. Felt on the Islands of <u>Cephalonia</u> (IV+ at Sami), <u>Zante</u> (IV at Zante) and in the region of <u>Aetolia</u> (IV+ at Agrinion). Area of felt shaking about 80,000 km ² . M.M.=5.2*.
17	eiPn eiSb eiSg	13 24 46.2 D 25 27 3 33.1	An=4μ, Tn=3 sec., Ae=3μ, Te=2sec., Δ=320 km. ~ 2.9 dg. M=4.3 (Athens). Aftershock of April 10. Ionian Sea.- H=13:24.0 (BCIS).
17	e Pn eiSn	14 15 04.1 C 25.4	Very weak. Δ=200 km. ~ 1.8 dg. Epicenter in Greece (BCIS).
17	e Pn eiPp eiSb eiSg	14 55 17.8 C 24.7 C 52.5 57.2	An=9μ, Tn=2 sec., Ae=5μ, Te=1.6 sec. Δ=275 km. ~ 2.5 dg. M=4.5 (Athens). Ionian Sea, 38°2 N, 20°6 E.- H=14:54:35.3; h about 25 km. (USCGS). Recorded up to 28°; N° of Stations 13.
18	e Pn eiSg	09 15 48.6 C 16 36.0	An=3μ, Tn=2,4 sec., Ae=3μ, Te=2 sec.; Δ=320 km. ~ 2.9 dg. M=4.2 (Athens). Aftershock of April 10.- Ionian Sea.- H=09:15.1 (BCIS). Recorded up to 26°; N° of Stations 4.
18	eiPp eiSn	10 45 31.5NW 55.7	e 45:28.5 C, ei 45:30 DW. An=9μ, Tn=2.5 sec. Ae=7μ, Te=2.1 sec., Δ=280 km. ~ 2.5 dg. M=4.6 (Athens). Ionian Sea 38°1 N, 20°5 E.- H=10:44:41.3; h about 25 km. (USCGS). M=6.3 (Uppsala). Recorded up to 77°; N° of Stations 28.

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Date	Phase	Time	Additional Readings and Remarks.
Apr. 18			Felt on <u>Cephalonia</u> Island (IV at Lixouri).
18	ei(Sg)	11 04 33.3	Traces. Felt in <u>Larisa</u> (IV at Eretria).
18	e Pn eiSb	17 32 47.8 33 29.0	Very weak. Δ=320 km. ~ 2.9 dg. Probably aftershock of April 10.- Ionian Sea.- H=17:32.1 (BCIS).
19	e Pn ePgPp eiSgPnPg eiSn eiSg	00 27 06.1 C 08.1SE 08.9CE 23.7 25.5	An=8μ, Tn=3.sec., Ae=6μ, Te=1 sec. Δ=155 km. ~ 1.4 dg. M=4.2 (Athens). North Peloponnesus 38°0 N, 22°0 E. H=00:26:38 (BCIS). Recorded up to 23°; N° of stations 7. Felt in <u>Achaia</u> (V at Kerteri, IV+ at Akrata, Kalavryta, IV at Patras, Kato-Achaia, Klitor, Kato-Klitoria, Drymos), <u>Arcadia</u> (IV at Levidi), <u>Elis</u> (III at Kalydona, Andritsaena), <u>Corinthia</u> (II+ at Nemea) and on the Island <u>Cephalonia</u> (IV at Sami). Area of felt shaking about 45,000 km ² . M.M.=5.1*.
19	eiPn eiSn i Sb	02 06 39.9 CS 07 15.0 21.1	An=18μ, Tn=3 sec., Ae=11μ, Te=3.6 sec., Δ=320 km. ~ 2.9 dg. M=5 (Athens). Aftershock. of April 10.- Ionian Sea 37°6 N, 20°1 E.- H=02:05:56 (BCIS). M=5 (Moscow). Recorded up to 88°; N° of Stations 63.
19	e Pn i Sn	03 18 09.9 C 45.9	An=11μ, Tn=2.3 sec., Ae=5μ, Te=1.4 sec., Δ=320 km. ~ 2.9 dg. M=4.7 (Athens). Aftershock of April 10.- Ionian Sea 37°6 N, 20°1 E.- H=03:17:25 (BCIS). Recorded up to 31°; N° of Stations 34.

80.

Date	Phase	Time	Additional Reading and Remarks.
Apr. 19	ePn ePb eiPg eSn eSb	08 23 41.8 53.7 24 05.9 C 45.2 25 02.4	An=3 μ , Tn=3 sec., Ae=3 μ , Te=2.4 sec. Δ =600 km. ~ 5.4 dg. M=4.6 (Athens). Turkey 41° N 29° 5 E.- H=08:22:17 (Moscow). Recorded up to 25°; N° of Stations 9.
20	ePn eiSn eiSg	23 57 42.9 W 58 33.8 55.7	Very weak. Δ =470 km. ~ 4.2 dg. Off east coast of Crete Island 34° 3/4 N, 27° 1/2 E.- H=23:56:32 (BCIS). Recorded up to 30°; N° of Stations 16.
21	ei(Sg)	02 14 19.2	Traces. Felt in Messenia (IV at Kyparissia, Kentrikon, Dorion).
21	ePg eiSg	09 31 26.9 D 36.4	Traces. Δ =75 km. ~ 0.7 dg. Felt in <u>Corinthia</u> (II+ at Athikia).
22	eiPg eiPgPg eiSgPnPg eiSg	02 03 19.7 C 20.7SW 22.6NW 35.7	Weak. Δ =130 km. ~ 1.2 dg. Felt in <u>Fokis</u> (IV+ at Desphina, IV at Galaxidi, Lidoriki, Ste.-Euthymia) <u>Achaia</u> (IV+ at Akrata), <u>Corinthia</u> (IV at Derveni).
24	eiPg eiSn eiSb eiSg	07 46 53.5 47 17.7 22.3 26.8	Very weak. Δ =285 km, ~ 2.6 dg. Ionian Islands about 38° 1/2 N, 20° 1/2 E.- H=07:46.0 (BCIS).
24	ei(Sg)	23 43 14.3	Traces. Felt on Cephalonia Island (IV+ at <u>Argcetoli</u>).
25	ePb eSg	06 23 14.8 D 52.0	An=16, Tn=2.2 sec., Ae=10, Te=2.4 sec. Δ =275 km. ~ 2.5 dg. M=4.8 (Athens). Ionian Sea, 38° 20' 6 E.- H=06:22:28.0; h about 25 km. (USCGS). M=4 ³ /4 (Moscow). Recorded up to 88°. N° of Stations 53.

81.

Date	Phase	Time	Additional Readings and Remarks.
Apr. 25	ePn eiSg	09 50 15.9 D 53.1	An=4 μ , Tn=2 sec. Ae=3 μ , Te=2 sec. Δ =260 km. ~ 2.4 dg. M=4.2 (Athens) NW Greece, about 39° N, 21° E.- H=09:49.6 (BCIS). Recorded up to 25°; N° of stations 6.
25	ePn eiSg ei(SgSg)	18 03 07.3 C 26.3 28.8	Traces. Δ =150 km. ~ 1.4 dg. Felt in <u>Achaia</u> (III at Patras).
28	eiPn eiSn	11 19 47.0DE 20 26.2	An=88 μ , Tn=3 sec., Ae=68 μ , Te=5 sec., Δ =350 km. ~ 3.2 dg. M=5.8 (Athens). Dodecanese Islands 36° 1 N, 27° 0 E.- H=11:18:53 (BCIS). M=5.9 (Collm, Uppsala, Kiruna), 5 ³ /4 (Matsushiro, Kew, Praha), 5 ¹ /2 (Peking, Moscow). Recorded up to 97°; N° of stations 156. Felt on <u>Astypalaea</u> Island (III at Astypalaea) Area of felt shaking about 15,000 km ² . M.M.=4.2*,
28	eiPn eiSg	12 44 37.3DSE 45 31.2	ei 45:30. An=90 μ , Tn=2.6 sec., Ae=72 μ , Te=3.2 sec., Δ =360 km. ~ 3.2 dg. M=5.8 (Athens). Dodecanese Islands. Aftershock of April 28, 36° 1 N, 27° 0 E.- H=12:43:44 (BCIS). M=5 ¹ /4-5 ¹ /2 (Matsushiro), 5.4 (Collm), 5 ¹ /4 (Peking), 5-5 ¹ /4 (Kew, Praha), 5 (Moscow). Recorded up to 135°; N° of Station 140. Felt on the Islands of Astypalaea (III at Astypalaea) and Crete (III at Phourmi). Area of felt shaking about 75,000 km ² . M.M.=5.1*.
28	eiPn eiPg eiSb eiSg	14 42 57.0 C 43 01.7SW 21.2 23.1	Very weak. Δ =195 km. ~ 1.8 dg. Felt in Aetolia (IV at Panaetolion).

82.

Date	Phase	Time	Additional Readings and Remarks
Apr. 28	ePn ei(Sn) eiSb	20 57 06.8 36.0 38.7	An=5 μ , Tn=4 sec., Ae=5 μ , Te=2.4 sec.; Δ =250 km, ~ 2.3 dg. M=4.3 (Athens). Gulf of Arta 38 $^{\circ}$ 9 N, 21 $^{\circ}$ 1 E.- H=20:56:29 (BCIS). Recorded up to 25 $^{\circ}$; N $^{\circ}$ of Stations 7.
29	ePg eSb eSg	07 14 18.2 C 42.7 45.9	Traces. Δ =240 km. ~ 2.2 dg. Felt in <u>Acarmania</u> (IV+ at Phytiae, IV at Astakos, Mytikas).
29	e(Sg)	07 38 34.3	Traces. Felt in <u>Aetolia</u> (IV+ at Dokimion, IV at Kaenourghion).
29	eiPn eiPg eiSn eiSg	07 57 26.3 DW 30.5 C 51.8 55.5	Very weak. Δ =215 km. ~ 1.9 dg. Felt in <u>Acarmania</u> (IV+ at Phytiae, Papadatos, Palaeomanina, IV at Mytikas, Astakos, Thyrion), and <u>Aetolia</u> (IV at Aetolikon).
29	ePn eiPg eiSb eiSg	08 08 58.9 D 09 03.1 D 26.8 29.3	Traces. Δ =220 km. ~ 2.0 dg. Felt in <u>Acarmania</u> (IV+ at Phytiae, Palaeomanina, IV at Mytikas).
29	eiPn eiPb eiPg eiSn	09 26 13.6 DNW 15.7 D 18.5 W 40.7	An=5 μ , Tn=2.4 sec. Ae=3 μ , Te=2.4 sec., Δ =235 km. ~ 2.1 dg. M=4.2 (Athens). Ionian Islands 38 $^{\circ}$ 4 N, 21 $^{\circ}$ 0 E.- H=09:25:39 (BCIS). Recorded up to 14 $^{\circ}$; N $^{\circ}$ of stations 6. Felt in <u>Acarmania</u> (IV+ at Phytiae, Astakos, IV at Lepenou, Mytikas) <u>Aetolia</u> (IV at Dokimion, III at Spolaita).
29	eiPn eiSn	09 43 57.6 D 44 26.7	Very weak. Δ =250 km. ~ 2.3 dg. Felt in <u>Acarmania</u> (IV+ at Palaeomanina, Phytiae, IV at Astakos).
29	e Pn eiSg	10 26 20.7 C 55.8	Traces. Δ =250 km. ~ 2.3 dg. Felt in <u>Acarmania</u> (IV at Mytikas).

84.

Date	Phase	Time	Additional Readings and Remarks.
Apr. 30	eiPn eiSb	12 00 27.4 D 58.8	Traces. $\Delta=250$ km. ~ 2.3 dg. Felt in <u>Aetolia</u> (III at Aetolikon).
30	cPn eiSb	16 31 30.6 D 32 00.5	Traces. $\Delta=240$ km. ~ 2.2 dg. Felt in <u>Acarmania</u> (IV+ at Phytiae, Astakos) and <u>Aetolia</u> (III+ at Panaetolion, Dokimion).
May 1	ePn eiSn	11 54 39.2 D 55 08.2	e 55:11. An=5 μ , Tn=2.9 sec., Ae=5 μ , Te=1.9 sec., $\Delta=270$ km., 2.4 dg. M=4.4 (Athens). Ionian Islands 38 $^{\circ}$ 2 N, 20 $^{\circ}$ 5 E.- H=11:53:58.6; h about 92 km. (USCGS). M=4 $\frac{1}{2}$ (Moscow). Recorded up to 28 $^{\circ}$; N $^{\circ}$ of Stations 24.
4	eiPn eiPb eiSb eiSg	00 29 25.9 D 27.9 53.4 55.9	Very weak. $\Delta=220$ km. ~ 2 dg. Felt in <u>Acarmania</u> (IV at Astakos, Papadatos).
4	ePn eiSg	01 20 39.3 21 09.4	Traces. $\Delta=220$ km. ~ 2 dg. Felt in <u>Acarmania</u> (IV at Astakos).
4	e?Pn eiSb eiSg	05 23 53.9 24 19.9 21.8	Very weak. $\Delta=205$ km. ~ 1.8 dg. Felt in <u>Achaia</u> (IV+ at Petrochori, II+ at Kato-Achaia).
4	eiPn eiPb eiSn	08 00 23.3 DSE 27.9 57.2	Weak. $\Delta=300$ km. ~ 2.8 dg. Felt on the Islands of <u>Kalymnos</u> (V at Kalymnos) and <u>Kos</u> (IV+ at Kephalos).
4	e	21 47 52.8	Traces. Felt on <u>Ithaca</u> Island (III at Ithaca).
5	ei(Sg)	20 22 13.2	Traces. Felt in <u>Aetolia</u> (III at Aetolikon).

Date	Phase	Time	Additional Readings and Remarks.
May 5	ePn eiPg eiSgPg eiSg	21 36 56.7 D 58.8 37 03.3 D 23.6	Very weak. $\Delta=200$ km. ~ 1.8 dg. Felt in <u>Aetolia</u> (IV+ at Agrinion, IV at Mesolonghi, Dokimion) and <u>Acarmania</u> (IV at Astakos).
5	e Pn eiSg	21 47 38.0 D 48 05.6	Traces. $\Delta=205$ km. ~ 1.8 dg. Felt in <u>Acarmania</u> (IV at Astakos) and <u>Aetolia</u> (IV at Dokimion).
5	eiPn eiSn eiSg	22 29 07.3 D 39.8 48.3	An=5 μ , Tn=2.4 sec. Ae=5 μ , Te=3.2 sec.; $\Delta=280$ km. ~ 2.5 dg. M=4.4 (Athens). Ionian Islands, about 38 $^{\circ}$ 3/4 N, 20 $^{\circ}$ 3/4 E.- H=22:28.4 (BCIS). Recorded up to 21 $^{\circ}$; N $^{\circ}$ of Stations 9.
6	ei	00 42 30.6	Traces. Felt on <u>Cephalonia</u> Island (IV at Digaleton).
6	eiPn eiSb	04 02 42.4 C 03 20.1	An=7 μ , Tn=2.3 sec., Ae=4 μ , Te=4 sec., $\Delta=290$ km. ~ 2.6 dg. M=4.4 (Athens). Ionian Islands, about 38 $^{\circ}$ 3/4 N, 20 $^{\circ}$ 1/2 E.- H=04:02.0 (BCIS). Recorded up to 21 $^{\circ}$; N $^{\circ}$ of Stations 10.
6	ePn eiSn	06 42 49.5 C 43 20	An=9 μ , Tn=2 sec., Ae=4 μ , Te=3.6 sec., $\Delta=285$ km. ~ 2.6 dg. M=4.5 (Athens). Ionian Islands, 38 $^{\circ}$ 0 N, 20 $^{\circ}$ 5 E.- H=06:42:10.4; h about 61 km. (USCGS). M=4 $\frac{1}{4}$ (Moscow). Recorded up to 32 $^{\circ}$; N $^{\circ}$ of Stations 27.
6	eiPb eiSn eiSb	21 40 39.1 D 41 04.7 07.1	An=4 μ , Tn=2.2 sec., Ae=4 μ , Te=1.6 sec., $\Delta=240$ km. ~ 2.2 dg. M=4.2 (Athens). Ionian Islands, about 38 $^{\circ}$ 5 N, 21 $^{\circ}$ 0 E.- H=21:40.5 (BCIS). Recorded up to 30 $^{\circ}$; No. of Stations 19. Felt in <u>Acarmania</u> (V+ at Katouna, V at Astakos, IV+ at Palaeros,

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Date	Phase	Time	Additional Readings and Remarks.
May 6			Papadatos, Thyrion, Mytikas, IV at Palaeomanina), <u>Aetolia</u> (IV at Agrinion, IV at Mesolonghi, Aetolikon, Panaetolion, Dokimion, III+ at Patiopoulon), <u>Preveza</u> (IV at Preveza) and on the Islands <u>Kalamos</u> (IV at Kalamos), <u>Cephalonia</u> (IV+ at Sami, IV at Argostoli, Lixouri, Digaleton) and <u>Leukas</u> (IV at Leukas). Area at felt shaking about 15,000 km ² . M.M.=4.5*.
6	ePb eiSb	21 45 49.9 C 46 18.5	Traces. Δ=240 km. ~2.2 dg. Felt in <u>Aetolia</u> (IV at Mesolonghi, Aetolikon, Panaetolion, Dokimion, Agrinion), and <u>Acarmania</u> (IV at Palaeros).
6	ePn eiSn eiSb	22 28 28.9 57.1 59.6	An=4μ, Tn=2 sec., Ae=5μ, Te=1.4 sec., Δ=245 km. ~2.2 dg. M=4.3 (Athens). Ionian Sea about 38° ¹ / ₂ N, 21° E. H=22:27:55 (BCIS). Recorded up to 28°; N° of Stations 6. Felt in <u>Acarmania</u> (IV+ at Astakos, Palaeoros, Mytikas, Papadatos, Palaeomanina), <u>Aetolia</u> (IV at Mesolonghi, Agrinion, Panaetolion), <u>Preveza</u> (IV at Preveza) and on the Islands <u>Cephalonia</u> (IV+ at Sami) and <u>Leukas</u> (IV at Leukas). Area of felt shaking about 15,000 km ² . M.M.=4.4*.
6	eiPn e(Pb) eiSb	23 37 11.4 D 14.0 42.8	An=3μ, Tn=2 sec., Ae=5μ, Te=2 sec., Δ=245 km. ~2.2 dg. M=4.2 (Athens) Ionian Islands, about 38° ¹ / ₂ N, 21° E. H=23:36.5 (BCIS). Recorded up to 27°; N° of Stations 8. Felt in <u>Acarmania</u> (V at Astakos, IV at Palaeros) and on the Islands <u>Cephalonia</u> (IV+ at Lixouri, Spar-

Date	Phase	Time	Additional Readings and Remarks.
May 6			tiae, III+ at Argostoli), <u>Ithaca</u> (IV+ at Ithaca). Area of felt shaking about 10,000 km ² . M.M.=4.2*.
7	ei	00 55 50.4	Traces. Felt on <u>Cephalonia</u> Island (IV+ at Sami, III+ at Lixouri, III at Argostoli).
7	ei(Sg)	01 42 27.0	Traces. Felt on <u>Cephalonia</u> Island (IV at Lixouri).
7	e	23 43 57.3	Traces. Felt on <u>Crete</u> Island (IV+ at Voukolia, IV at Kalyvae).
8	ePn eiSg	03 48 41.4 D 49 09.0	An=5μ, Tn=2.2 sec. Ae=5μ, Te=2 sec., Δ=205 km. ~1.8 dg. M=4.2 (Athens). Central Greece, 38°9'N, 21°6' E. H=03:48:15 (Moscow). M=4 (Ousgorod). Recorded up to 25°; N° of Stations 17.
8	eiPn eiSn	23 54 38.0 CN 55 11.0	An=16μ, Tn=1.9 sec., Ae=8μ, Te=3.1 sec., Δ=280 km. 2.5 dg. M=4.7 (Athens). <u>Crete</u> Island 35°4' N, 24°2' E. H=23:53:59; h about 90 km. (BCIS). M=4 ¹ / ₂ (Moscow). Recorded up to 92°. N° of Stations 63. Felt on <u>Crete</u> Island; especially in the regions of <u>Rethymnon</u> (V at Rethymnon, <u>Episkopi</u> IV at Argyroupolis) and <u>Chania</u> (V at Vamos, IV+ at Chania, <u>Kandanos</u>). Area of felt shaking about 10,000 km ² . M.M.=4.2*.
9	ePn eiPg eiSg	03 21 45.0 50.5 D 22 19.0	Very weak. Δ=240 km. ~2.2 dg. Felt on <u>Lemnos</u> Island (IV at Myrina).
9	eiPn e(Pb) ei(Sn)	19 44 14.0 C 17.2 W 44.5	Very weak. Δ=260 km. ~2.3 dg. Near north coast of <u>Crete</u> Island (BCIS). Felt on <u>Crete</u> Island,

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Date	Phase	Time	Additional Readings and Remarks.
May 9	eiSb eiSg	47.1 52.1	especially in the regions of <u>Chania</u> (IV+ at Kandanos, IV at Voukolia, III+ at Chania, III at Kalyvae), and <u>Rethymon</u> (III at Argyroupolis).
10	eiPn eiSn	18 32 19.4 C 33 21	Very Weak. $\Delta=580$ km. ~ 5.2 dg. Yugoslavia-Albania border 42°1 N, 19°2 E. - H=18:30:56 (BCIS). Recorded up to 85°. N° of Stations 41.
11	e(Sg)	03 07 04.1	Traces. Felt in Evrytania (IV+ at Kerassochori).
13	ePn eiPg eiSg	08 38 35.3 D 42.C S 39 14.2	Traces. $\Delta=270$ km. ~ 2.4 dg. Felt on <u>Leukas</u> Island (V at Leukas).
14	eiPn eiSg eiSgSg	15 38 01.6CE 13.0 16.5	Traces. $\Delta=105$ km. ~ 0.9 dg. Felt in <u>Corinthia</u> (IV at Kryoneri, III at Nemea).
15	eiPn eiSg	00 05 21.5 E 52.0	An=3 μ , Tn=2 sec., Ae=3 μ , Te=2 sec. $\Delta=220$ km. ~ 2 dg. M=4 (Athens). Chalkidike, about 40° N, 23°1/2 E. - H=00:04.7 (BCIS). Recorded up to 26°; N° of Stations 4.
15	iPg eiSg	08 32 00.5 C 18.0	An=16 μ , Tn=1.4 sec., Ae=42 μ , Te=1.9 sec., $\Delta=140$ km. ~ 1.2 dg. M=4.8 (Athens). North Sporades 39°2 N, 24°1 E. - H=08:31:39 (BCIS). Recorded up to 29°; N° of Stations 21. Felt on the Islands <u>Skiathos</u> (V+ at Skiathos), <u>Skopelos</u> (IV at Skopelos), <u>Euboea</u> (IV+ at Ste.-Anna, Oreoe, IV at Roviae, Taxiarchis, Limni, III+ at Istiaea, Kymi, III at Loutra Aedipsou,

89.

Date	Phase	Time	Additional Readings and Remarks.
May 15			Neos-Pyrgos, Aghios), <u>Alonnisos</u> (IV at Alonnisos), and in the regions <u>Magnesia</u> (IV+ at St.-George-Iolkou, St.-Lavrentios, IV at St.-George-Nilias, Agria, Argalasti, Drakia, Keramidi, Laukos, Promyrion, Pteleos, Stephanoviki, Volos, Ano-Lechonia, Nea Ionia, St.-Vlassios, Zagora, II+ at Makrinitza, Almyros, III at Neochori, Velestinon, Trikeri, II+ at Sesklon), <u>Phthiotis</u> (IV at Livanatae, Malesina). <u>Boeotia</u> (IV at Mavromati, III+ at Thebes) and <u>Attica</u> (IV at Grammatikon, III at Athens, Ano-Liosia, Ste.-Stephanos). Not felt at Kato-Lechonia, Perivlepton, Platanos, (of Magnesia), Karystos Nea-Styra, Psachma, Nea-Psara, Marmarion, Nea-Artaki, Oxylithos (of Euboea), Atalanti, Styliis Lamia, Amphiklia, Sperchias, Domokos, Lianokladi (of Phthiotis) Distomon, St. George, Chalia (of Boeotia), Acharnae, Kapandriti, Nea-Makri, Penteli, Ste.-Paraskevi (of Attica). Area of felt shaking about 60,000 km ² . M.M=5.3 *
15	eiPg eiPn eiSg	16 31 04.5 D 04.8 NW 23.2	Traces. $\Delta=150$ km. ~ 1.4 dg. Felt on <u>Skopelos</u> Island (IV at Skopelos).
16	eiPg eiSg	02 11 29.4 D 44.2	Very weak. $\Delta=120$ km. ~ 1.1 dg. Felt on the Islands <u>Skopelos</u> (III+ at Skopelos) and <u>Euboea</u> (III+ at Ste.-Anna).
16	eiPb eiSg	19 27 17.0 D 49.8	Very weak. $\Delta=250$ km. ~ 2.2 dg. Central Greece, about 39° N, 21°1/4 E. - H=19:26.6 (BCIS). Recorded up to 23°; N° of Stations 3.

90.

Date	Phase	Time	Additional Readings and Remarks.
May 19	eiPn eiSg	17 56 10.8 23.4	Traces. $\Delta=110$ km. ~ 1 dg. Felt in <u>Arcadia</u> (IV+ at Nestani).
19	eiPg eiSg eiSn	20 48 50.5 49 04.8 05.8	CE An=40 μ , Tn=2 sec. Ae=25 μ , Te=1.2 sec., $\Delta=115$ km. ~ 1.1 dg. M=4.7 (Athens). Eastern Peloponnesus 37 $^{\circ}$ 5' N, 22 $^{\circ}$ 6' E. - H=20:48:29 (BCIS). Recorded up to 90 $^{\circ}$; N $^{\circ}$ of Stations 31. Felt in <u>Arcadia</u> (VI at Chotousa, V+ at Kandyla, IV+ at Valtesinikon, Nestani, Artemission, Vytina, Levi-di, Rizae, IV at Tripolis, Partheni, Astros, Stadion, III at Loukas, St.-Nikolaos), <u>Corinthia</u> (V+ at Panariti, Velon, V at Xylokastron, IV+ at Derveni, Perighiali, Assos, Kryoneri, IV at Nemea, Athikia, Stimanga, St.-Vasilios), <u>Achaia</u> (IV+ at Klitor, Kertezi, Kalavryta, Ak-rata, Zachlorou, Drymos), <u>Elis</u> (IV+ at Kalydona, IV at Letrinae, Strephi, III at Zacharo), <u>Argolis</u> (IV+ at Mykinae, IV at Karya, III+ at Nauplion, III at Koutsopodi, Achladokampos), and <u>Fokis</u> (IV at Desphina). Macroseismic epicenter 37 $^{\circ}$ 3'4N, 22 $^{\circ}$ 1'2 E. - Area of felt shaking about 25,000 km 2 . M.M.=4.8*.
19	eiPg eiSgPnPg eiSg eiSn	20 56 52.6 56.4 57 05.8 07.7	DW Weak. $\Delta=110$ km. ~ 1 dg. Felt in <u>Arcadia</u> (V at Kandyla, IV+ at Vytina, IV at Nestani, III at Loukas), and <u>Corinthia</u> (IV+ at Panariti, IV at Nemea, Stimanga, Kryoneri, Assos, III+ at Derveni).
19	eiPn eiSg eiSgSg	22 14 15.6 29.8 32.8	C Very weak. $\Delta=115$ km. ~ 1 dg. Felt in <u>Arcadia</u> (IV at Kandyla).

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Date	Phase	Time	Additional Readings and Remarks.
May 20	e?(Pn) eiPb eiSb	00 41 29.8 36.9 42 26.5	ei 41:31 CN. Very weak. $\Delta=430$ km. ~ 3.9 dg. Off south west coast of Crete Island 34 $^{\circ}$ 4' N, 22 $^{\circ}$ 0' E. - H=00:40:36 (BCIS). - Recorded up to 33 $^{\circ}$; N $^{\circ}$ of Stations 11.
20	ePn eiSn	05 37 22.4 38 03.9	C Very weak, $\Delta=375$ km, ~ 3.4 dg. Felt on <u>Crete</u> Island (IV at Sitia).
21	eiPg eSn	21 47 46.0 48 08.3	OD e 47:46 C. Weak. $\Delta=240$ km. ~ 2.2 dg. Felt on the Islands <u>Lesbos</u> (IV at Aghiasos, Polychmitos, Stypsi, III at Skalochori), and <u>Chios</u> (IV at Chios).
22	eiPn eiSgPnPg eiSg	15 07 22.5 25.2 48.1	C Very Weak. $\Delta=195$ km., ~ 1.8 dg. Felt in <u>Arcadia</u> (III+ at Valtesinikon).
22	eiPg eiPn ei(SgPnPg) eiSg	15 38 52.2 52.7 55.7 39 06.9	DW Weak. $\Delta=125$ km. ~ 1.1 dg. Felt in <u>Arcadia</u> (V at Kandyla, IV at Letrinae, Strephi, III at Zacharo), <u>Argolis</u> (IV+ at Mykinae, IV at Karya, III+ at Nauplion, III at Koutsopodi, Achladokampos), and <u>Fokis</u> (IV at Desphina).
22	ei(Sg)	17 31 57.3	Traces. Felt in <u>Arcadia</u> (V at Kandyla).
22	ei(Sg)	20 01 17.2	Traces. Felt in <u>Achaia</u> (III at Patras).
23	ePn eSn eSg eiSgSg	21 38 14.3 31.6 33.5 35.5	D Very weak. $\Delta=150$ km. ~ 1.4 dg. Felt in <u>Achaia</u> (III at Patras).
25	ei	21 25 30.4	Traces. Felt in <u>Messenia</u> (IV at Methoni).
26	ei(Sg)	08 59 14.4	Traces. Felt on <u>Cephalonia</u> Island (IV+ at Mousata, IV at Vlachata).

Date	Phase	Time	Additional Readings and Remarks.
May 27	eiPn eiSn eiSgSg	11 57 28.0 D 48.4 54.5	Very weak. $\Delta=185$ km. ~ 1.7 dg. Felt in <u>Aetolia</u> (IV+ at St.-Andreas, IV at Platanos).
27	ei(Sg)	23 44 35.2	Traces. Felt on <u>Lemnos</u> Island (III+ at Myrina).
28	e Pg eiSg	11 29 29.3 54.5	Traces. $\Delta=215$ km. ~ 1.9 dg. Felt in <u>Acarmania</u> (II+ at Papadatos).
28	eiPn eiSb eiSg	11 51 52.0 D 52 19.5 22.5	Very weak. $\Delta=220$ km. ~ 2 dg. Felt in <u>Acarmania</u> (IV at Archontochori).
28	eiSg	15 30 49.0	Traces. Felt on <u>Lemnos</u> Island (IV at Myrina).
28	eiPn eiPb eiSg	21 47 53.6 D 55.2 C 48 22.2	An= 4μ , Tn=2.3 sec., Ae= 3μ , Te=2.1 sec.; $\Delta=210$ km. ~ 1.9 dg. M=4.1 (Athens). Aegean sea $39^{\circ}1/2$ N, $24^{\circ}3/4$ E.- H=21:47:20 (BCIS). Recorded up to 25° N $^{\circ}$ of Stations 5. Felt on the Islands <u>Lemnos</u> (V at Myrina, IV at Moudron) <u>St.-Eustratios</u> (IV St.-Eustratios). Area of felt shaking about 10,000 km 2 . M.M.=4.2*.
28	eiPn eiSg	22 58 15.0CS 46.3	ei 58:41. An= 6μ , Tn=2.4 sec., Ae= 9μ , Te=2 sec., $\Delta=225$ km. ~ 2 dg. M=4.4 (Athens) Aegean Sea $39^{\circ}8$ N, $25^{\circ}0$ E.- H=22:57:47 (BCIS). M=4 (Moscow). Recorded up to 25° ; N $^{\circ}$ of Stations 20. Felt on <u>Lemnos</u> Island (IV+ at Myrina, IV at Kontia, Moudron, Atsiki).
28	ePn eiPg eiSg	23 30 22.5 C 28.5 D 57.0	Very weak. $\Delta=245$ km. ~ 2.2 dg. Felt on <u>Lemnos</u> Island (IV+ Myrina).

Date	Phase	Time	Additional Readings and Remarks.
May 28	eiPn eiPg eiSg	23 59 49.8 D 55.1 C 24 00 24.3	Very weak. $\Delta=245$ km. ~ 2.2 dg. Felt on <u>Lemnos</u> Island (III+ at Myrina).
29	e Pn eiPb eiPg i Sg	00 15 24.6 27.1 30.4 59.4	An= 3μ , Tn=2 sec. Ae= 3μ , Te=2 sec. $\Delta=250$ km. ~ 2.2 dg. M=4 (Athens). <u>Lemnos</u> Island $39^{\circ}9$ N, $25^{\circ}1$ E.- H=00:14:45:6 (Athens). Recorded up to 25° . N $^{\circ}$ of Stations 5.
29	eiSg	00 55 07.0	Traces. Felt on <u>Lemnos</u> Island (III+ at Myrina).
29	eiPn eiSg	01 15 27.4 D 59.5	e?15:25 D. Very weak. $\Delta=230$ km. ~ 2.1 dg. Felt on the Islands <u>Lemnos</u> (IV at Myrina). <u>St.-Eustratios</u> (IV at St.Eustratios).
29	e Pn e Pb eiSb eiSg	01 25 42.5 D 44.5 26 10.9 13.5	An= 3μ , Tn=2.4 sec., Ae= 4μ , Te=2.6 sec., $\Delta=225$ km. ~ 2 dg. M=4.1 (Athens). Aegean Sea. After-shock of May 28.- H=01:25:08 (BCIS) Recorded up to 24° ; N $^{\circ}$ of Stations 5. Felt on <u>Lemnos</u> Island (IV+ at Myrina, IV at Moudron).
29	eSb	01 30 56.7	Traces. $\Delta=225$ km. ~ 2 dg. Aegean Sea. Probably aftershock of May 28.- H=01:29.9 (BCIS).
29	ePn eiPb eiSb eiSg	01 38 07.7 C 09.9 C 36.1 39.1	Very weak. $\Delta=225$ km. ~ 2 dg. Felt on <u>Lemnos</u> Island (IV at Myrina).
29	e(Sg)	01 41 20.7	Traces. Felt on <u>Lemnos</u> Island (III+ at Myrina).
29	e Pn eiSn	06 14 17.6 D 44.2	Traces. $\Delta=225$ km. ~ 2 dg. Felt on <u>Lemnos</u> Island (III+ at Myrina).

Date	Phase	Time	Additional Readings and Remarks.
May			
31	eiSg	19 37 17.4	Traces. Felt in <u>Arcadia</u> (IV at Levidi).
June			
1	ePn eiSn eiSg	12 50 56.9 C 51 14.2 15.4	Very weak. $\Delta=150$ km. ~ 1.4 dg. Felt in <u>Arcadia</u> (IV at Vytina III at Valtesinikon).
1	e(Sg)	16 46 56.7	Traces. Felt in <u>Achaia</u> (IV at Patras).
1	eiPn eiSg	19 38 44.0 C 39 18.7	Very weak. $\Delta=245$ km. ~ 2.2 dg. Felt on <u>Lesbos</u> Island (IV at Stypsi).
2	eiPn eiPgPg eiSgPnPg eiSg eiSgSg	16 49 06.0 D 07.8 C 08.8 S 25.3 27.8	An=2 μ , Tn=2 sec., Ae=3 μ , Te=1.2 sec., $\Delta=155$ km. ~ 1.4 dg. M=3.7 (Athens). North Peloponnesus about 38°0 N, 22°0 E. - H=16:48.6 (BCIS). Recorded up to 25°; N° of Stations 4. Felt in <u>Achaia</u> (IV at Klitor Kertezi, Patras). Area of felt shaking about 5,000 km ² . M.M.=3.6*.
3	eiSg	09 28 31.2	Traces.
7	e?(Pn) eiSg	20 00 42.0 D 01 16.8	Very weak. $\Delta=245$ km. ~ 2.2 dg. Felt on <u>Lemnos</u> Island (IV+ at Kontia).
8	ei(Sg)	13 54 08.3	Traces. Felt in <u>Zante</u> Island (III at Skoulikadon).
9	eiPn eiPb eiSg	10 42 22.6 C 25.0 C 56.7	An=4 μ , Tn=2 sec. Ae=3 μ , Te=3 sec. $\Delta=240$ km. ~ 2.2 dg. M=4.1 (Athens) Lemnos Island 39°9 N, 25°1 E. - H=10:41:47 (BCIS) Recorded up to 27°; N° of Stations 5. Felt on <u>Lemnos</u> Island (V at Myrina, Thanos, Platy, Kaspakas, IV at Kontia, Moudron).

Date	Phase	Time	Additional Readings and Remarks.
June 9	e(Pb) eiPg eiSn eiSg	23 23 05.1 D 09.0 C 31.9 37.9	Very weak. $\Delta=245$ km. ~ 2.2 dg. Felt on <u>Lemnos</u> Island (IV+ at Myrina, IV at Moudron).
10	ei(Sg)	00 47 37.7	Traces. Felt on <u>Lemnos</u> Island (IV at Myrina).
10	ePg eiPn eiSg eiSn	05 12 11.3 C 12.2 D 25.6 26.6	Very weak. $\Delta=115$ km. ~ 1 dg. Felt in <u>Arcadia</u> (IV at Levidi).
10	ePg eSgPnPg eiSg eiSgSg	05 28 43.2 46.7 56.9 59.7	Traces. $\Delta=110$ km. ~ 1 dg. Felt in <u>Arcadia</u> (IV at Levidi).
10	eiSg	06 00 04.7	Traces. Felt on <u>Lemnos</u> Island (IV at Myrina).
10	ei	21 04 49.3	Traces. Felt on <u>Lemnos</u> Island (III at Myrina).
11	eiPn iSn	07 17 22.1GS 18 41.2	An=30 μ , Tn=3.9 sec., Ae=50 μ , Te=5.6 sec., $\Delta=755$ km. ~ 6.8 dg. M=5.9 (Athens). Yugoslavia 43 $^{\circ}$ 6' N, 18 $^{\circ}$ 3' E. - H=07:15:40 (BCIS). M=6.3 (Kiruna), 6 $^{1/2}$ (Roma), 6.1 (Collm) 5 $^{3/4}$ (Peking), 5 $^{1/2}$ -6 (Moscow), 5 $^{1/2}$ (Matsushiro), 5-5 $^{1/4}$ (Palisades). Recorded up to 144 $^{\circ}$; N $^{\circ}$ of Stations 192. 10 injured, extensive damage at Sarajevo. Felt along Adriatic coast to Trieste.
11	ePn eiSn	08 53 07.3 54 27.2	Traces. $\Delta=755$ km. ~ 6.8 dg. Yugoslavia. Aftershock of June 11. 43 $^{\circ}$ 6' N, 18 $^{\circ}$ 3' E. - H=08:51:28 (BCIS). Recorded up to 9 $^{\circ}$; N $^{\circ}$ of Stations 10.

Date	Phase	Time	Additional Readings and Remarks.
June 14	ei(Sg)	20 53 04.5	Traces. Felt in <u>Arcadia</u> (IV at Vytina).
15	ePn eiSg	05 42 32.5C 43 08.2	Traces. $\Delta=250$ km. ~ 2.2 dg. Felt on <u>Cephalonia</u> Island (IV at Lixouri).
15	eiPn eiSgPg eiSn eiSgSg	08 53 57.6D 54 03.4 17.5 22.9	ei 53:59, ei 54:01, ei 54:22. An=4 μ , Tn=1.6 sec., Ae=3 μ , Te=1.6 sec. $\Delta=180$ km. ~ 1.6 dg. M=3.9 (Athens) Aegean Sea about 37 $^{\circ}$ 3/4' N; 26 $^{\circ}$ E. - H=08:53.5 (BCIS).
15	ei	11 38 53.3	Traces. Felt on <u>Lemnos</u> Island (III at Myrina).
15	ei(Sg)	12 28 24.9	Traces. Felt on <u>Lemnos</u> Island (III at Myrina).
15	e	13 01 55.6	Traces. Felt on <u>Lemnos</u> Island (III at Myrina).
15	ei	15 19 55.3	Traces. Felt on <u>Lemnos</u> Island (III at Myrina).
15	ePn eSg	17 55 10.8D 44.2	Traces. $\Delta=240$ km. ~ 2.2 dg. Aegean sea about 38 $^{\circ}$ N, 26 $^{01/2}$ E. H=17:54.6 (BCIS).
17	e(Pg) eiSg eiSgSg	00 06 55.9 07 17.2 19.4	Traces. $\Delta=170$ km. ~ 1.5 dg. Felt in <u>Magnesia</u> (IV at Sesklon).
18	ePn eiPg eiSn eiSg	10 53 16.1D 20.7D 42.9 47.9	Very weak. $\Delta=230$ km. ~ 2.1 dg. Felt on <u>Lemnos</u> Island (IV at Kon-tia).
18	ePn eiPnPg eiSgPnPg eiSn eiSgSg	12 09 48.2DE 50.3DSE 50.9 W 10 10.1 17.3	Very weak. $\Delta=200$ km. ~ 1.8 dg. Felt on <u>Ios</u> Island (IV at Ios).

Date	Phase	Time	Additional Readings and Remarks.
June 19	eiPn eiPg eiSg eiSgSg	07 03 38.1 D 40.3 05 05.9 07.9	Very weak. $\Delta=205$ km. ~ 1.8 dg. Felt in <u>Acarmania</u> (IV at Astakos, Palaeomanina, III at Papadatos).
20	ePn eiSn eiSg	02 30 39.6 N 59.1 31 02.0	Very weak. $\Delta=175$ km. ~ 1.6 dg. Felt in <u>Achaia</u> (IV+ at Drepanon, IV at Patras).
25	ei(Sg)	11 13 28.0	Traces. Felt on <u>Cephalonia</u> Is- land (III at Vlachata).
25	eiPg eiSg eiSgSg	12 54 12.1 C 29.0 31.6	Traces. $\Delta=135$ km. ~ 1.2 dg. Felt in <u>Phokis</u> (III at Kallithea).
25	eiSg	13 02 42.0	Traces. Felt in <u>Phokis</u> (III at Kallithea).
26	eiPn eiSn	14 55 32.3 D 56 25.3	An=2 μ , Tn=2 sec., Ae=2 μ , Te=1.4 sec. $\Delta=490$ km. ~ 4.4 dg. M=4.4 (Athens). Bulgaria 42 $^{\circ}6$ N, 23 $^{\circ}9$ E. H=14:54:23 (BCIS). Recorded up to 87 $^{\circ}$. N $^{\circ}$ of Stations 44.
26	e(Pb)	15 19 05.7	Traces. $\Delta=490$ km. ~ 4.4 dg. Bulgaria. Probably Aftershock of June 26.- H. about 15:17.8 (BCIS).
26	ePb eiSb	18 43 49.3 44 31.4	Traces. $\Delta=365$ km. ~ 3.3 dg. Macedonia about 40 $^{\circ}5$ N, 21 $^{\circ}0$ E.- H=18:42.8 (BCIS).
26	eiPn eiSn	20 18 53.0 D 19 36.9	Traces. $\Delta=400$ km. ~ 3.6 dg. Bulgaria; Aftershock of June 26.- H=20:17.9 (BCIS). Recorded up to 26 $^{\circ}$; N $^{\circ}$ of Stations 8. Felt in <u>Drama</u> (IV+ at Perithorion).
28	ePn eiSn	06 52 00.8 CE 44.2	ei 52:44. An=13 μ , Tn=2.6 sec., Ae=12 μ , Te=3.2 sec., $\Delta=395$ km.

Date	Phase	Time	Additional Readings and Remarks.
June 28			~ 3.6 dg. M=5 (Athens). Albania 40 $^{\circ}8$ N, 20 $^{\circ}9$ E.- H=06:51:05(BCIS). M=5 (Moscow); 4 $^{1/2}$ (Kew). Record- ed up to 90 $^{\circ}$; N $^{\circ}$ of Stations 96. Felt in <u>Florina</u> (IV+ at Aetos, IV at Amyndeon, Florina, Antarti- kon, III+ at Vevi, III at Flampou- ron, Palypotamon), <u>Kozani</u> (IV+ at Philotas, IV at An'rachi, Platano- revna, III+ at Perdika, III at A- no-Komi), <u>Kastoria</u> (IV at Inoi, Argos-Orestikon, <u>Kastoria</u> , Mavro- chori, III+ at Vogatsikon, III at Nestorion, Korisos), <u>Jannina</u> (IV+ at Platanousa, III at Melisopetra). Not felt at Skopia, Anemochori (of Florina) Siatista, Ptolemais, Servia, Grevena (of Kozani), Gher- ma (of Kastoria), Jannina, Metso- von, Doliana (of Zannina). Area of felt shaking about 35.000 km 2 . M.M.=4.9*
July 1	eiPn ei(Pg) eiSn eiSb eiSg	14 45 11.0 D 18.5 D 43.7 48.2 52.5	ei 45:16, ei 45:40. An=3 μ , Tn=2 sec., Ae=3 μ , Te=1.2 sec., $\Delta=285$ km. ~ 2.6 dg. M=4.2 (Athens). Cen- tral Greece about 39 $^{\circ}3/4$ N, 21 $^{\circ}1/2$ E.- H=14:44.5 (BCIS). Very poorly recorded up to 27 $^{\circ}$.
4	e?Pn eiSn	14 20 14.8 D 21 02.9	Traces. $\Delta=445$ km. ~ 4 dg. Yugos- lavia 41 $^{\circ}6$ N, 21 $^{\circ}5$ E.- H=14:19.0 (BCIS). Very poorly recorded up to 17 $^{\circ}$.
5	eiPg eiSn eiSg	00 21 38.0 DN 55.0 56.3	Very weak. $\Delta=150$ km. ~ 1.3 dg. Felt in <u>Achaia</u> (IV at Kertezi, Klitor), <u>Arcadia</u> (III+ at Vytina) and <u>Elis</u> (III at Letrinoo).

Date	Phase	Time	Additional Readings and Remarks.
July 5	eiSg	09 22 00.5	Traces. Felt on Cephalonia Island (III at Mousata).
5	e	15 25 33.4	Traces. Felt on Cephalonia Island (III+ at Argostoli).
5	eiPn eiSn eiSb eiSg	21 23 05.1 D 29.7 31.4 33.6	Very weak. $\Delta=210$ km. ~ 1.9 dg. Felt on the Islands Lemnos (IV at Myrina, III+ at Moudron, Kon-tia), and St. Eustratios (IV at St. Eustratios).
6	eiPb eiSn	02 53 06.9 D 37	Very weak. $\Delta=310$ km. ~ 2.8 dg. Felt in Salonica (IV+ at Vrasna), and Serrae (IV at Nigrita).
6	ePn eiPg i Sg	09 16 00.6 D 17 09.0 D 44.6	e?15:59.7 D. An=360 μ , Tn=4.7 sec. Ae=210 μ , Te=4.7 sec. $\Delta=300$ km. ~ 2.7 dg. M=6.3 (Athens). Ionian Sea 38°0 N, 20°2 E.- H=09:16:15.0; h about 30 km. (USCGS). M=6 1/2 Matsushiro), 5.7 (Uppsala, Kiruna) 5 1/2 (Moscow, Peking), 5 (Palisades), 4.9 (Kew). Recorded up to 93°. Felt in Aetolia (V at Nea-Avorani, V at Aetolikon IV+ at Agrinion, Koencourghion, IV at Mesolonghi, Spolaita, Mataranga, Gouria, Angelokastron, Panaetolion, Stamma, Zevgaraki, Evinochori, III+ at Perdikaki, Dokimion, III at Neochori, Rigani, Papadatos, St.-Andreas), Acarnania (V+ at Phytiae, IV+ at Vornitsa, IV at Astakos, Palaeros, Pentalophos, III+ at Stanos, III at Patiopoulon), Achaia (V+ at Vrachneika, IV+ at Kato-Klitoria, IV at Patras, III at Alysos, II+ at Klitor, Daphni), Elis (V at Salmoni, IV+ at Vartholomio, Le-trinoe, Vounargos, IV at Strephi, III at Myrsini), Arta (IV at

Date	Phase	Time	Additional Readings and Remarks.
July 6			Athamanion, Makriniada, III at Chalkiades), Messinia (III+ at Evangelismos, Oechalia, Charokopion, III at Philiatra, Kyparissia, Chandrinou, Katsaros, Zevgolatio, Chora, Kynigos, II+ at Kalamae) and Arcadia (II+ at Tripolis). The shock was also reported from the Islands of Cephalonia (IV+ at Sami, Spartiae, Lixouri, Argostoli, IV at Vlachata, Skala), Zante (IV+ at Zante, Skoulikadon, Volimae, Machaeradon, Keri, Gerakari, Gaitani, IV at Mouzaki) and Leukas (IV at Leukas, St. Petros), Kalamos (III at Kalamos). Not felt at Gavalou, Galatas, Platanos (of Aetolia), Amphilochia, Lepenou (of Akarnania), Kalavryta, Chalandritsa (of Achaia), Meligala, Diavolitsi, Mathoni, Koroni, (of Messinia). Area of felt shaking about 120,000 km ² M.M.=5.8*
6	e Pn eiSn	09 29 47.6 C 30 23.3	An=3 μ , Tn=3.1 sec., Ae=3 μ , Te=2.3 sec. $\Delta=320$ km. ~ 2.9 dg. M=4.2 (Athens). Ionian Sea about 38° N, 20° E.- H=09:29.0 (BCIS). Poorly recorded up to 28°.
6	e Pn eiSg	09 37 33.1 C 38 20.9	An=4 μ , Tn=2.4 sec. Ae=10 μ , Te=4 sec. $\Delta=325$ km. ~ 2.9 dg. M=4.6 (Athens). Ionian Sea 38° N, 20° E.- H=09:36:42 (BCIS). Recorded up to 28°. Felt on Zante Island (IV at Zante). Area of felt shaking about 20,000 km ² . M.M.=4.5*
6	ePn eiSg	13 26 28.5 D 27 16.7	An=3 μ , Tn=1.9 sec., Ae=3 μ , Te=1.9 sec. $\Delta=325$ km. ~ 2.9 dg. M=4.3 (Athens). Ionian sea about 38° N, 20° E.- H=13:25.6 (BCIS). Poorly recorded up to 22°.

102.

Date	Phase	Time	Additional Readings and Remarks.
July 6	e Pn eiSg	13 46 47.6 D 47 34.4	Very weak. $\Delta=320$ km. ~ 2.9 dg. Ionian Sea.- H=13:45.9 (BCIS). Poorly recorded up to 14°.
6	e?(Pn) eiPg eiSn	14 20 19.9 28.9 C 54.9	e 20:24 An=7 μ , Tn=2.2 sec. Ae=3 μ , Te=2.2 sec. $\Delta=310$ km. ~2.8 dg. M=4.5 (Athens). Ionian Sea 38° N, 20° ¹ / ₄ E.- H=14:19:34 (BCIS). Recorded up to 30°.
6	eiPn eiSg	15 53 28.2 D 54 14.4	ei 54:02. Very weak. $\Delta=315$ km. ~ 2.8 dg. Felt on Cephalonia Island (IV at Argostoli).
6	e Pn eiSb	15 55 13.8 56 03.8	An=13 μ , Tn=3.5 sec., Ae=4 μ , Te=3.1 sec. $\Delta=380$ km. ~ 3.4 dg. M=4.8 (Athens). Ionian sea 37° ² / _N , 19° ⁴ / _E .- H=15:54:20.5; h about 25 km. (USCGS). Recorded up to 85°.
6	eiPn eiSn	17 00 46.4 D 01 33.6	e? 00:38. An=4 μ , Tn=2.2 sec., Ae=3 μ , Te=2 sec. $\Delta=435$ km. ~3.9 dg. M=4.5 (Athens). Ionian Sea 37° N, 19° E.- H=16:59:45 (Moscow). M=4 (Moscow). Very poorly recorded up to 28°.
7	eiPg eiSn eiSg	12 21 56.7 D 22 25.2 40.0	e?21:47 C. An=2 μ , Tn=2 sec., Ae=3, Te=2 sec. $\Delta=370$ km. ~3.3 dg. M=4.3 (Athens). Ionian Sea about 37° ³ / ₄ N, 19° ¹ / ₂ E.- H=12:20.9 (BCIS). Very poorly recorded up to 29°.
7	e Pn ei(Sb)	12 47 55.5 D 46.5	ei 48:06 D, ei 48:34. An=3 μ , Tn=2.6 sec. Ae=3 μ , Te=1.4 sec. $\Delta=385$ km. 3.4 dg. M=4.4 (Athens). Ionian Sea 37° ⁸ / _N , 19° ³ / _E .- H=12:47:06 (BCIS). M=4 ¹ / ₄ (Moscow). Recorded up to 29°, poorly out to 86°.

103.

Date	Phase	Time	Additional Readings and Remarks.
July 7	e?(Pn) eiSn	23 10 50.6 11 33.1	Aftershock. ei 10:59, ei 11:24, ei 11:35. An=3 μ , Tn=2 sec., Ae=3 μ , Te=2 sec. $\Delta=385$ km. ~3.4 dg. M=4.4 (Athens). Ionian sea.- H=23:10.0 (BCIS). Very poorly recorded up to 22°.
8	e(Sg)	17 22 11.7	Traces. Felt in Evrytania (IV at Raphtopoulon).
9	eiPg eiSg	04 47 06.7 D 52.0	Aftershock. ei 47:05 D. An=4 μ , Tn=3 sec., Ae=3 μ , Te=1.6 sec. $\Delta=385$ km. ~3.4 dg. M=4.4 (Athens). Ionian sea.- H=04:46:12 (BCIS).
9	e(Sn)	11 20 36.2	Traces. Felt on Cephalonia Island IV at Vlachata).
9	ei(Sg)	16 40 37.0	Traces. Felt in Arta (IV+ at Kli-di).
9	eiPg eiSn	17 39 14.0 S 36.7	e 39:10 C. An=5 μ , Tn=2 sec., Ae=4 μ , Te=2 sec., $\Delta=245$ km. ~2.2 dg. M=4.3 (Athens). Central Greece, about 39° ¹ / ₄ N, 21° ¹ / ₂ E.- H=17:38.5 (BCIS). Poorly recorded up to 22°. Felt in Aeta (IV+ at Pighae, Tetrakomon), Jannina (IV at Metsovon, III at Platanousa), Trikala (IV at Trikala), Acarnania (IV at Patropoulon) and Evrytania (IV at Karoplesion). Area of shaking about 10,000 km ² . M.M.=4.1*.
9	e?Pn eiSn eiSg	18 00 43.0 01 24.5 39.7	Aftershock. ei 00:53, ei 01:32. An=4 μ , Tn=2.4 sec., Ae=3 μ , Te=2.4 sec. $\Delta=375$ km. ~3.4 dg. M=4.4 (Athens). Ionian Sea. H=18:00:00 (BCIS). Very poorly recorded up to 29°.

104.

Date	Phase	Time	Additional Readings and Remarks.
July 10	e Pn eiSg	10 06 30.4 D 56.7	An=49 μ , Tn=3.2 sec. Ae=21 μ , Te=3.2 sec. Δ =195 km. ~1.8 dg. M=5.1 (Athens). Near west coast of Chios Island 38°4 N, 25°9 E.- H=10:06:02.0; h about 25 km. (USC GS and BCIS). M=4 ¹ / ₂ (Moscow), 4 ¹ / ₄ (Kew). Poorly recorded up to 77°. Felt on the Islands of Chios (VI at Kardamyla, V at Neochori, Kallimasia, IV+ at Chios, Vrontados), and Lesbos (IV at Mytilene). Area of felt shaking about 30,000 km ² . M.M.=5.4.*
10	e?(Pn) eiPg eiSn eiSg	10 56 35.8 37.6 56.7 57 00.9	Weak. Δ =190 km. ~1.7 dg. Felt on Chios Island (IV+ at Chios, Neochori, IV at Kallimasia).
12	e Pn eiSn	02 12 24.7DW 13 05.4	An=6 μ , Tn=2.6 sec. Ae=3 μ , Te=2.4 sec. Δ =370 km ~3.3 dg. M=4.5 (Athens). Ionian Sea. Aftershock. 37°3/4 N, 19°1/2 E.- H=02:11:30 (BCIS). Poorly recorded up to 29°.
12	ePg ePgPg eiSg eiSgSg	03 36 15.5 C 16.8 N 33.3 35.7	Very weak. Δ =145 km. ~1.3 dg. Felt in Achaia (IV+ at Klitor, IV at Daphni, III at Drosia).
13	e	15 28 45.8	Traces. Felt on Cephalonia Island (III at Vlachata).
16	eiPn ePg eiPgPg eiSn eiSg	07 04 09.1 CS 09.9 D 11.1 NE 27.8 30.0	An=19 μ , Tn=2 sec. Ae=20 μ , Te=2.8 sec. Δ =165 km. ~1.5 dg. M=4.7 (Athens). Central Greece 38°5 N, 22°0 E.- H=07:03:41 (BCIS). M=4 ¹ / ₂ (Moscow). Recorded up to 31°. Felt in Aetolia (IV+ at Naupaktos, IV at Aetolikon,

105.

Date	Phase	Time	Additional Readings and Remarks.
Jul. 16			Platanos, Antirion, III+ at Mesolonghi, III at Agrinion, Thermon, Phokis (IV+) at Kasteli, Klima, Marathia, Pyrgos, IV at Lidoriki, Ste.- Euthymia, III at Galaxidi, Desphina), Achaia (IV+ at Patras, Aeghion, Drepanon, Pteri, Rododaphni, Daphni, Rion, IV at Valimitika), Elis (III at Amalias) and Phthiotis (III+ at Lamia). The shock was also reported from the Island of Leukas (III at Leukas). Area of felt shaking about 45,000 km ² . M.M.=5*.
17	e?(Pb) ei(Sn) eiSg	03 01 52.7 D 02 19.4 25.6	ei 01:54 C, ei 02:29. An=3 μ , Tn=1.2 sec., Ae=2 μ , Te=1.6 sec., Δ =250 km. ~2.2 dg. M=4 (Athens). Ionian Islands about 38°1/2 N, 21° E.- H=03:01.2 (BCIS). Recorded up to 22°.
19	ePb eiSn eiSg	16 27 25.7 C 51.2 56.1	Very Weak. Δ =235 km. ~2.1 dg. Felt in Elis (IV+ at Vartholomio).
21	ePn eiSg	02 25 17.0 51.8	Traces. Δ =245 km. ~2.2 dg. Felt in Acarnania (IV at Stanos).
24	eiPn eiSgPnPg eiSgPg eiSg	02 26 50.5 D 53.2 54.5 27 04.0	e 26:50 D. Very weak. Δ =115 km. ~1 dg. Felt in Arcadia (III+ at Levidi).
24	ei	06 11 59.6	Traces. Felt on Samos Island (IV at Spatharaeoe).
28	eiSg	03 23 32.3	Traces. Felt on Chios Island (III+ at Chios).
28	eiPg eiPgPg eiSg	10 57 18.4 D 20.6 27.5	Traces. Δ =75 km. ~0.7 dg. Felt on Euboea Island (IV+ at Oxyolithos).

106.

Date	Phase	Time	Additional Readings and Remarks.
Jul. 28	eiPg eiPgPg eiSg	11 19 08.7CSW 11.2 D 18.1	Traces. $\Delta=75$ km. 0.7 dg. Felt on Euboea Island (IV+ at Oxyliothos, III at Vryssi).
28	e Pn eiPb eiPg eiSg	12 18 07.9 C 12.9 C 19.2 59.6	An=7 μ , Tn=1.9 sec. Ae=6 μ , Te=1.9 sec. $\Delta=350$ km. ~3.1 dg. M=4.6 (Athens); 4 (Moscow) Ionian Sea 37° N, 20° E.- H=12:17:16 (BCIS). M=4 (Moscow). Recorded up to 28°.
29	ePn eiSg	17 20 47.4 D 21 06.5	Very weak. $\Delta=150$ km. ~1.3 dg. Felt in Achaia (IV+ at Drepanon).
31	eP i(S.)	01 26 01.7JSW 23.7	ei 26:05.2 CNE, i 27:42.6, ei 27:44.6. An=12 μ , Tn=3.1 sec. Ae=7 μ , Te=1.9 sec. $\Delta=190$ km. M=4.4 (Athens). Near south coast of Peloponnesus 36°5 N, 22°7 E.- H=01:25:32.7; h about 109 km (US CGS). Poorly recorded up to 87°.
Aug. 7	eiPn	05 17 13.4 D	Traces. $\Delta=630$ km. 5.7 dg. Near southwest coast of Turkey 36°1 N, 30°4 E.- H=05:15:45.9; h about 33 km. (USCGS). Recorded up to 31°.
9	e Pn eiPg eiSn ei(Sb) eiSg	23 31 05.9 D 13.6 W 37.9 42.6 46.7	Very weak. $\Delta=260$ km. ~2.3 dg. Ionian Islands. H=23:30.8 (BCIS). Felt on Cephalonia Island (IV at Spartia).
13	ePn eiSn	16 27 18.2 55.2	ei 27:58. Traces. $\Delta=350$ km. ~3.1 dg. Near east coast of Crete Island about 35° N, 26°1/2 E.- H=16:26.5; Focal depth higher than normal (BCIS). Probably 35°3/4 N, 26°1/2 E. Very poorly recorded up to 26°.

107.

Date	Phase	Time	Additional Readings and Remarks.
Aug. 17	e	16 26 10.5	Traces. Felt on Cephalonia Island (IV at Lixouri).
21	eiSg	07 58 30.2	Traces. Felt in Achaia (III at Klitor).
24	e	05 09 31.8	Traces. Felt on Cephalonia Island (IV+ at Lixouri).
25	ePn eiSn	07 19 21.3 CS 43.8	An=3 μ , Tn=1.2 sec. Ae=4 μ , Te=0.8 sec. $\Delta=210$ km. ~1.9 dg. M=4.1 (Athens). Central Greece. 39° N, 21°3/4 E.- H=07:18:47 (BCIS). Poorly recorded up to 27°. Felt in <u>Evrytania</u> (V+ at Kerasochori, Karoplesion, IV+ at Kliston, Karpenisi, IV at Phourma, Neraida), <u>Aetolia</u> (IV at Aetolikon), <u>Acar-nania</u> (IV at Patippoulon), <u>Arta</u> (IV at Ano Kalentini, III+ at Klidi). Area of felt shaking about 20 000 km ² . M.M=4.7.*
26	e	11 03 42.7	Traces. Felt on Cephalonia Island (IV at Vlachata, III at Lixouri).
28	iPn i Sn	11 00 17.4 CNE 31.6	ei 08:23, ei 15:04. An=2173 μ , Tn=2.5 sec. $\Delta=70$ km. ~0.6 dg. M=6.3 (Athens). Peloponnesus 37°7 N, 23°0 E. H=10:59:55; h about 120 km. (BCIS). M=7 (Roma), 6 ³ /4-7 (Strasbourg), 6.8 (Uppsala), 6.9 (Santa Lucia), 6 ³ /4 (Pasadena), 6 ¹ /2 (Matsushiro), 6.5 (Kew), 6 ¹ /4 (Peking), 6-6 ¹ /4 (Berkeley), 5.6 (Istanbul UT). Recorded up to 152°. Intermediate earthquake in the northeastern section of Peloponnesus affected seriously the districts of Corinth, Argolis, Achaia, Elis and Arcadia, and in

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<u>Date</u>	<u>Phase</u>	<u>Time</u>	<u>Additional Readings and Remarks.</u>
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the north of Peloponnesus the district of Boeotia. According to official reports 397 houses were destroyed or damaged beyond repair, 2981 seriously cracked and 3604 slightly. It is to be noted that only stonehouses without mortar or houses made of brick, baked by sun, and built prior to 1928 severe earthquake of Corinth, have suffered by the earthquake of August 28, 1962. All the new-built earthquake-resistant structures have been left untouched. It was reported 1 killed and 3 injured.

Damages were reported mainly from 117 localities out of 129 of the district of Corinth; 300 houses were destroyed or damaged beyond repair, 2137 seriously cracked and 2950 slightly. In Argolis 60 houses were badly damaged, 90 seriously cracked and 450 slightly. In 21 localities of Arcadia 37 houses were damaged beyond repair, 18 seriously cracked and 18 slightly. In 108 localities of Elis 659 houses were more or less seriously damaged and 122 slightly. In Achaia 15 localities were affected; 6 houses were damaged beyond repair, 31 seriously cracked and 47 slightly. It was reported that 46 houses of Boeotia were more or less badly cracked and 17 slightly. The shock has felt in Corinthia (VIII+ at Archaea-Corinth VIII at Throphari, Kastania, Spartaneika, VII+ at Examilia, Kato-Trikala, Gonousa, Styliia, Kryoneri, Perighiali, VII at Kalithea, Asos, Koutsu, Zemeno, Titani, Paradisi, Panariti, Velo, VI+ at Chiliomodi, Tholeron, Kastraki, Kalianos, Kato-Lou-

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<u>Date</u>	<u>Phase</u>	<u>Time</u>	<u>Additional Readings and Remarks.</u>
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tron, Lechaeon, Karyotika, Sikeon, Mana, Bouzi, Kato-Diminio, Evrostini, Helinikon, VI at Derveni, Xylokastron, Riza, Klimenti, Heraklion, Megalo-Valto, Kephalaria, Zevgaraki, Pyrgos, Lyghia, Xylokeriza, Nemea, Stimanga, St. Theodoroe, Souli, Athikia, St.-Basili-os, V+ at Stomion, Isthmia, Vrachati, Corinth, Siphikon, Korphiotisa, IV+ at Loutraki), Argolis (VII at Arachnae-on, Malandreni, VI+ at St. Andrianos, VI at Didyma, Gymnon, Karya, Palaea-Epidavros, Kranidi, Asini, Nea-Epidavros, Limnae, Mykinae, Nauplion, Argolikon, V+ at Argos, Koutsopodi, Kryoneri, Phychtion, Ligouri, Achladokampos, Tiryntha, V at Nea-Tiryntha, Ermionis, IV+ at Nea-Kios), Arcadia (VI at Tripolis, Astros, Valtetsi, Vlacherasia, Kandila, Leonidi, Stadion, Melana, V+ at St.-Andreas, Chotousa, St.-Nikolaos, Doliana, Korakovouni, Partheni, Dimitsana, Artemisi, Kosma, Amygdalia, Perdikoneri, Nestani, Ano-Doliana, Megalopolis, Rizae, Vytina, V at Valtasinikon, Levidi, Kolinae, IV+ at Loukas, Vyziki, Tripotamos, Bilali, IV at Tropaea.) Achaia (VI+ at Draganon, Oasi, Monastiri, VI at Perithorion, Skiada, Diakopton, Seliana, Aeghae, Aeghira, Chrysanthion, Zarouchli, Ste.-Varvara, V+ at Livartzi, Lechouri, Eglykada, Lousika, Kato-Klitoria, Vrachneika, Pteri, Daphni, Valimitika, Drepanon, Kertezi, Mazaraki, Patras, Kalavryta, Kato-Achaia, Ampelokipoe, V at Temeni, Kounina, Drosia, Sagheika, Petrochori, Rododaphni, Aeghion, St.-George of Rion, IV+ at Klitor, Zachlorou, Chalandritsa, Kalanistra, IV at Lakopetra), Elis (VI+ at Gastouni, Pelopion, Andritsaena, Platanos,

Date	Phase	Time	Additional Readings and Remarks.
Aug. 28			VI at Neochori, Kolirion, Vouprasi, Nea-Manolas, Varvasaena, Epitalion, Kylene, Myrsini, Andravida, Strephe, Kalydona, Lechena, V+ at Salmoni, Kallithea, Traganon, Chavari, Goumeron, Katakolon, Douneika, Kardama, Manolas, Kressena, Vartholomio, Amalias, Letrinae, V at Zacharo, Ladikon, Voumaragos, IV+ at Lampia, Xylokeras, Kato-Phygalia), <u>Messinia</u> (VI at Avramion, Chrysokelaria, V+ at Chandrinou, Krumydia, Longa, Jannitsanika, Platy, Messini, Chatri, Androusa, Philiatra, Katsaros, Chora, Zevgolatio, Arphara, Skala, Mikromani, V at Kyparisia, Koroni, IV+ at Kalamae, Gargalianoe, Kopanaki, Koryphasion, Vlachopoulon, Phinikous, Charokopion, Ano-Dorion, Eva, Diavolitsi, Diodia, Petalidi, Arios, Kentrikon, Methoni, IV at Pylos, Psari, Thouria), <u>Laconia</u> (VI at Vresthena, V+ at Magoula, Kastorion, Goritsa, Karyae, Selasia, Papadianika, Asopos, Longanikon, Amyklae, V at Palaeopanaghia, Neapolis, St.-Demetrios, Ierax, Geraki, Daphni, Sykea, Areopolis, IV+ at Krokea, Mystras, Xerokampion, Vlachiots, Gythion, Molaoe, Richia, St.-Joannis, IV at Anoghia, Skala, Niata, Oetylos, Georgitsi), <u>Attica</u> (VI at Galatas, V+ at Dyropi, Megara, Nea-Erythrae, Cholargos, Ampelakia, V at Pureaus, Ano-Liosia, Galatsi, Chalandri, IV+ at Avlon, Erythrae, Ste.-Paraskevi, Nea-Liosia, Marathon, Spata, Drapeysona, Markopoulon-Mesogheas, Nea-Peramos, Ste.-Varvara, Methana, Eleusis, Palaeon-Phaliron, Nea-Philadelphina, Nea-Chalkidon, Keratsini, Korydalos, Vouliagmeni, Kalithea, Kalamaki, Amarousion, Paeania, IV at

Date	Phase	Time	Additional Readings and Remarks.
Aug. 28			Vilia, Kalamos, Keratea, Peuki, Penteli, Heraklion, Aphidnae, Stamata, Acharnae, Vyron, Koukouvaounes, Kesariani, Philothei, Daphni, Nea-Ionia, Kiphisia, Athens, III+ at Lavreotiki, III at St.-Stephanos, Perama, Nea-Makri), <u>Boeotia</u> (VI+ at Ste.-Trias, Vaghia, VI at Levadea, Plataeae, Koryni, V+ at Mavromati, Kapareli, Leuktra, St.-George, St.-Demetrios, Elikon, Distomon, Arachova, Thisvi, Kyriakion, Panaghia, Davlia, Thebes, IV+ at Alkomenae, Pavlos, Akraephnion, Asopia, St.-Vlasios, Aliartos, St.-Thomas, IV at Orchomenos, Leondari, Drosia), <u>Phokis</u> (V+ at Itea, Chryson, V at Amphissa, Desphina, Kasteli, IV+ at Kallithea, Lidoriki, Ste.-Euthymia, Polydrosom IV at Galaxidi), <u>Aetolia</u> (VI+ at Aetolikon, VI at Nea-Avorani, Angelokastron, Neochori, V+ at Dokimion Evinochori, Zevgaraki, Mesolonghi, Naupaktos, Kaenourghion, Grammatikou, Analipsi, St.-Konstantinos, Stamma, V at Panaetolion, Platanos, Gouria, IV+ at Agrinion, Gavalou, Papadatas, Spolaïta, St.-Andreas, Galatas, IV at Mataranga, Perdikaki, Rigani, III at St.-Vlasios), <u>Acarnania</u> (VI at Thyron, V+ at Astakos, Phytiae, Paliampela, V at Mytikas, Vonitsa, Menastiraki, IV+ at Pentalophos, Palleros, IV at Amphiloehia, Patiopoulon, Papadatos, Phloriada, Lepenou, Chalkiopoulou), <u>Phthiotis</u> , (V+ at Regini, Lianokladi, Makrakomi, St.-George, Hypati, Neo-Monastiri, V at Lamia, Laidikou, Amphiklia, IV+ at Stylis, Sperchias, Anthili, Martino, Atalanti, Tithorea, Livanatae, Elatia, Zeli, Molos Leuka, IV at Omvriaki, Pelasgia,

Date	Phase	Time	Additional Readings and Remarks.
Aug. 28			<p>Malesina, St.-Konstantinos, Tsouka, Bralos, Kato-Tithorea, Rachae, Domokos), <u>Evrytania</u> (V at Karpenisi IV+ at Phourna, Kliston, Agrapha, Karoplesion, Neraida, IV at Kerasochori), <u>Magnesia</u> (IV+ at Volos, Agria, Velestino, IV at Zagora, Trikeri, Stephanoviki, Ano-Lechonia, Perivlepton, Sesklon, Almyros, St.-Lavrentios, Makrinitza, St.-Georgenilias, Pteleos, Nea-Ionia, Promyri, III at St.-Vlasios, Nea-Anchialos, Kato-Lechonia, Argalasti, St.-Georgiolkou, II+ at Keramidi, Sourpi), <u>Larissa</u> (VI at Thomaion, V at Argypolis, Myra IV+ at Tyrnavos, Vardikousa, St.-Anargyroe, Deskati, Krini, Sykea, IV at Larissa, Platykamos, Stavros, Livadi, Eretria, Armenion, Melivia, Rizomylos, Ampelon, Kalipeuki, Karya, Damasion, III+ at Aghia, Omolion, Vlachoghianion, Dogani, Phalani, III at Pyrgetos, Sykourion, Toivasion, Gonoe, Kokinopilos, Elasona), <u>Trikala</u> (V+ at Trikala, Kritsinion, Stournareika, Paleopyrgos, Zarkos, Theopetra, V at Megala Kalyvia, Palaeomonastiri, Pharkadon, Petroton, IV+ at Pighi, Phyki, IV at Pialia, Phaneromeni, Gomphae, Grizanos, Neochori, Kastraki, III+ at Dialekton, III at Pyli, Racha, Panaghia, II+ at Megarchi), <u>Karditsa</u> (V+ at Anavra, Phanari, Magoulas Mesenikola, Drakotrypa, Karpochori, V at Anthiron, Kaliphonion, Karditsomagoula, Vrangiana, IV+ at Sophades, Koumades, Mouzaki, Vanari, Kotserion, Mirousion, Artesianon, St.-George, Leondari, Kourtesion, IV at Karditsa, Mavropotamos, Oxya,</p>

Date	Phase	Time	Additional Readings and Remarks.
Aug. 28			<p>Paraprastaena, Kanalia III+ at Metaranga, III at Kedros), <u>Arta</u> (V+ at Krphovouni, V at Anezi, Kompoti, Chsepsi, IV+ at Tetrakomon, Makriniada, Arta, Nisista, Ste.-Paraskevi, Grenitza, Kataraktis, Peta, IV at Klidi, Kato-Graekikon, Voulgarili, Ano-Kalenti, Amotopos, Neochori, III at Rania), <u>Preveza</u> (VI at Vrachos, Nea-Sampsunta, Papadatae, Kamarina, Kryopighi, V+ at Preveza, Kranea, Philipias, Phampoura, Sphinoton, Kanali V at Loyos, IV+ Kanalaki, Thesprotikon, Gorgoylos, Rizovouni, Aghia, Parga, Myrsini, IV at Michalitsi), <u>Thesprotia</u> (V+ at Paramythia, Nea-Selefkia, V at Philiates, Grekochori, IV+ at Egoumenitsa, Saghiada, IV at Margarition), <u>Jannna</u> (V+ at Jannina, Ste.-Paraskevi, Pantanousa V at Metsovon, Mega-Peristeri, IV+ at Zitsa, Eleousa, IV at Dolian, Pramanta, Raptaneoe, IV Kourenta, Terovo, Parakalamos, III Koutseli), <u>Kizani</u> (V at Tranovaltos, IV+ at Ptolmais, Ano-Komi, Perdika, Drepanon, IV at Kozani, Servia, Krokos, Metaxas, Asvestopetra, Ardasia, Velvendos, Grevena, Aeani, Eratyra, III+ Pontokomi, Kipourion, Aemilianos, III at Phouphas, Charavgi, Koelas, Knidi, Mavrodendri Pyrgoe), <u>Kastoria</u> (IV+ at Mavrochori, IV at Vogatsikon, Argos-Orestikon, Kastoria, Germa, II+ at Nestorion), <u>Florina</u> (IV+ at Aetos, IV at Florina, Artartikon, Papaghiannis, Iroikon, III+ at Vevi, III at Xyno-Nero, Sklithron, Phlampouron, Polypotamos, Armenochori, <u>Pieria</u> (IV at Katerini, Nea-Ephesos, Dion, III at St.-Demetrios, Korinos), <u>Emathia</u> (IV at St.-George, Angelochori, Lianoverghion, Naousa, Phytia),</p>

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Date	Phase	Time	Additional Readings and Remarks.
Aug. 28			<p>Peli (IV at Kali, III at Petraea, Ap-salos, Polykarpion), Salonica (III at Salonica, Zagliveri, II+ at St.- Pavlos). The shock was also reported from the provinces of Crete Island: Chania (V+ at Perivolias, Chania, Galatas, IV+ at Platanos, Souda, IV at Gramvousa, Kalyvae, Vatolakos, Maleme, Voukolia, III+ at Kandanos, Vamos), Rethymnon (IV+ at Rethymnon, Melidoni, Spilion, IV at Episkopi Gazaros, III+ at Argyroupolis, Melampes, III at Anoghia, Akoumia), Heraklion (V+ at Ste.- Varvara, IV+ at Ampelouzos, Thrapsanon, Daphnes, Heraklion, IV at Limin, Pompia, Prophitis-Helias, St.- Myron, Pitsidia Epano-Archanae, Kounavoe, Arkalochori, III+ at Galia, Charakas, Malia, III at Zaros, Nea-Alikarnasos, Tympaki, II+ at Kasteli), Lasithi (V+ at Phourni, IV+ at Limnae, IV at Milatos, III+ at Hierape-tra III at Vrachasi, St.- Nikolaos, Neapolis, Lithinae, Kritsa, Piskokephalon), and the Islands of Hydra (IV+ at Hydra), Kythera (IV at Kythera, IV at Potamos), Poros (IV at Poros, Aeghina (V+ at Aeghina), Salamis (IV at Salamis), Kythnos (V+ at Kythnos, IV at Driopis), Milos (IV at Milos, Trypiti, Peran-Triavasalos), Thera (IV at Emporion), Amorgos (IV at Katapola), Syros (IV at Ermoupolis), Naxos (IV at Naxos, Koronos, Philotion), Paros (IV at Naousa, III at Paros), Siphnos (IV at Artemon, III at Apolonion), Kimolos (IV at Kimolos), Kea (IV at Kea), Andros (III+ at Andros, III at Korthion), Ios (III+ at Ios), Mykonos (III at Mykonos), Tinos (II+ at Tinos), Euboea (IV+ at Kymi, Loutra-Aedipsos, Istiaea, Mandoudi, Limni, St.- Loukas, St.-Niko-</p>

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Date	Phase	Time	Additional Readings and Remarks.
Aug. 28			<p>laos, Amarynthos, Aphratiou, Oxyolithos, Politika, Mytikas, Oreoe, Ste.- Anna, IV at Chalkis, Nea-Styra, Vasilikon, Styra, Psachna, Makrykapa, Vrysi, Aliveri, Karystos), Skopelos (IV at Skopelos), Alonisos (II+ at Alonisos), Zante (V+ at Volimae V at Lithakia, Gaitani, IV+ at Keri, Macheradon, Zante, Skoulikadon, IV at Ano-Volimae), Cephalonia (V at Sami, Poros, IV+ at Lixouri, Argostoli, Vlachata, Asprogerakas, Svoronata, Mousata, Skala, Spartiae, III at Digaleton), Ithaca (IV+ at Ithaca), Kalamos (IV at Kalamos), Leukas, (V at Leukas, IV+ at Marantochori), Paxos (V+ at Paxos), Corfou (V+ at Corfou, Kato-Korakiana, Perivoli, Vranganiotika, Leukimi, Neochori, Kinopiastae, Gastouri, St.-Mattheos, Nymphae, Ringlades, V at Aphra, IV+ at Avliotes Karousades, Magoulades, Sinarades, Paghoe, IV at Argyrades, Skriperon).- The Beograd station has reported that the shock was felt in Sarajevo (43°52' N, 18°24' E) with an intensity IV. According to Rome the shock was felt over the southern Italy and particularly in the following provinces: Avellino, Bari, Benevento, Brindisi, Campobasso, Caserta, Catania, Catanzaro, Chieti, Cosenza, Foggia, Lecce, Matera, Napoli, Pescara, Potenza, Ragusa, Salerno, Siracusa and Taranto. It was felt with an intensity VI at Ruvo di Puglia, Terlizzi, Sandonaci, Mesagne, Latiano, Mandunia, Pulzana, V at Corato, Molfetta, Francavilla Fontana, Cellino S.Marco, Carovigno, Caiazzo, Sanfloro, Calopez-zati, Chiaramonte Gulfi, Campania, Canticattini, Bagni, Martina Franca, Tarranto, Avola IV at Tuto, Torella dei Lombardi, Bitonto, Bisceglie, Canosa di</p>

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Date	Phase	Time	Additional Readings and Remarks.
Aug. 28			Puglia, Putignano, S. Bartolomeo in Galdo, Benevento, Oria, Ostuni, Guglionesi, Isernia, Alife, Acireale, Corgnano Varano, Troia, Monte Sant' Angelo, Manfredonia, Foggia, Trepuzzi, Montaroni, Melito di Napoli, Sant' Arcangelo, Scicli, Montecorvino Rovella, Capaccio, Leporano, Lizzano, Laterza, Giovinazzo, III & Volturara Irpina, Triggiano, Solopaca, Buonalbergo, San Pietro Vernotico, Sessano, Casapulla, Lanciano, Torremaggiore, Serracapriola, S. Severo, Vico del Gargano, Vieste, S. Nicandro, Garganico, Tricarico, Valsinni, Montalbano Sonico, Grassano, Nola, Mugnano di Napoli, Pescara, Lorenzana, Genzano di Lucania, Potenza, Muro Lucano, Baronissi Gioi, Roccaforrata. Not felt at Olympias, Anarachi, Neapolis, Kastanea (of Kozani), Mesopotamia, Inoi (of Kastoria), Amynteon, St.-Panteleimon, Skopia (of Florina), Kolin-dros, Litochoron, (of Pieria) Platy, Episkopi (of Emathia), Krya-Vryssi, Exaplatanos, Peli, Galatades (of Peli), Lachana, Sochos, Thermi, Epanomi, Drymos, Triandria (of Salonica) Nea-Moudania, Kasandra, Amaea, Polygyros (of Chalcidice), Kavala, Melisopetra, Parakalamos (of Kavala), Aeghiali (of Amorgos), Limin-Vatheos, (of Samos), Koronis (of Naxos), Goniae, Ano-Vianos, Sitia, Anatoli Zarkon (of Crete). Area of felt shaking about 900 000 km ² . M.M.=6.9.*
30	ePn ePb eiPg eiSb eiSg	05 11 12.1 15.5 19.6D 47.6 52.0	Very weak. $\Delta=275$ km. ~ 2.5 dg. Felt on Cephalonia Island (IV+ at Sami, Argostoli Lixouri, IV at Mousata).

Date	Phase	Time	Additional Readings and Remarks.
Aug. 31	e(Sg)	02 53 14.3	Traces. Felt in Achaia (IV at Aeghion).
Sept. 1	e	11 21 41.7	Traces. Felt in Phokis (III at Kalithea).
2	eiPg eiSg	18 18 28.2CSE 36.0	Very weak. $\Delta=60$ km. ~ 0.5 dg. Felt in Corinthia (III at Isthmia).
2	ePg eiSg	18 29 53.7 C 30 01.3	Very weak. $\Delta=60$ km. ~ 0.5 dg. Felt in Corinthia (III at Isthmia).
2	ePg eiSg	22 20 39.1 47.0	Traces. $\Delta=65$ km. ~ 0.6 dg. Felt in Corinthia (IV at Isthmia).
2	ei(Sg)	22 21 30.6	Traces. Felt in Corinthia (IV at Isthmia).
2	e	22 37 29.5	Traces. Felt in Corinthia (III at Isthmia).
2	e	23 28 16.1	Traces. Felt in Corinthia (III at Isthmia).
4	ePn eiPgPg eiSg eiSgSg	03 40 40.7 43.1 41 02.6 05.3	Traces. $\Delta=170$ km. ~ 1.5 dg. Felt in Messenia (IV+ at Zevgoliatio, Platy, IV at Diodia).
5	ePn eSn	00 51 11.1 52 29.3	Traces. $\Delta=745$ km. ~ 6.7 dg. Foliennes Islands about 38 ¹ / ₂ N, 15 E. - H=00:49.5 (BCIS).
8	eiPg ePn eSg	13 59 43.8 D 45.0 57.9	Very weak. $\Delta=110$ km. ~ 1 dg. Felt on Euboea Island (IV+ at Oreoe, Limni, Istiaea, Ste.-Anna, IV at Neos-Pyrgos) and in the region Magnesia (IV at Arga lasti).
10	eiPn eiSn	09 37 28.1 DS 38 14.4	An=19 μ , Tn=3.6 sec., Ae=20 μ , Te=4.0 sec. $\Delta=425$ km. ~ 3.8 dg. M=

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Date	Phase	Time	Additional Readings and Remarks.
Sept. 10			5.3 (Athens); Dodecanese Islands 35°6 N, 27°5 E. H=09:36:28 (BCIS). M=5.6 (Uppsala) 5.4 (Roma), 5.1 (Kew), 5 (Moscow). Recorded up to 90°, poorly out to 134°.
13	e Pg eiSg	22 48 14.6 40.6	Very weak. $\Delta=220$ km. ~ 2 dg. Felt on Chios Island (IV at Chi- os).
14	e	00 34 17.2 C	Traces. Foreshock?
14	eiPn eiSn	00 34 28.0CW 35 1 7	$\Delta_n=19$, $T_n=2$ sec., $A_e=14\mu$, $T_e=$ 1.6 sec. $\Delta=455$ km. ~ 4.1 dg. M= 5.2 (Athens). West Turkey 39°6N, 28°6 E, H=00:33:25.8; h about 69 km. (USCGS). M=4-4 ^{1/2} (Moscow). Poorly recorded up to 95°. Felt on Lesbos Island (IV at Stypsi, III at Loutra). Area over which it was felt about 130,000 km ² . M.M.=5.8.*
14	eiSg	00 46 54.2	Traces. Aftershock.
14	e	12 27 58.7	Traces. Felt on Oenousae Island. (III+ at Oenousae).
17	e Pn eiSn	19 45 44.4 46 30.6	$\Delta_n=8\mu$, $T_n=2.4$ sec., $A_e=10\mu$, $T_e=$ 2.6 sec. $\Delta=425$ km. ~ 3.8 dg. M= 4.9 (Athens). Albania 41°0 N, 20°7 E.- H=19:44:41 (BCIS). Felt in Florina (IV at Lechovon). Poorly recorded up to 86°. Area of felt shaking about 25,000 km ² . M.M.=4.8*
17	e Pg eSgPnPg eiSg eiSn	21 17 21.8 25.5 35.5 36.9	Very weak. $\Delta=110$ km. ~ 1 dg. Felt in Corinthia (IV+ at Xylo- kastron, IV at Nemea).

119.

Date	Phase	Time	Additional Readings and Remarks.
Sept. 18	e	01 34 26.2	Traces. Probable epicenter in Al- bania, aftershock?.
18	e	12 35 20.7	Traces. Felt in Elis (II+ at Letri- noe).
19	ePn ePg eiSn eiSg	01 05 35.5 44.0 36 09.0 19.5	Very weak. $\Delta=300$ km. ~ 2.7 dg.
19	e	14 22 36	Traces.
19	e	21 58 35.2	Traces. Felt on Hydra Island (III+ at Hydra).
21	eiPn eiPgPg eiSg	11 12 53.0 56.0 13 17.5	Traces. $\Delta=185$ km. ~ 1.6 dg. Felt in Achaia (III at Patras).
22	ei(Sg)	00 58 29.7	Traces. Felt on Euboea Island (III+ at Limi).
23	eiPb eiSg	20 42 15.5D 51.7	ei 42:18, ei 42:20 C, ei 42:44.6, ei 42:48.9. Very weak. $\Delta=275$ km. ~ 2.5 dg. Off West coast of Crete Island 35°5 N, 23°3 E.- H=20:41: 28.3; h about 33 km. (USCGS). Poorly recorded up to 70°.
24	ePb eiSb eiSg	09 12 20.2 52.3 56.3	Traces. $\Delta=275$ km. ~ 2.5 dg. Probab- ly aftershock of Sept. 23.
24	e	15 49 20.8	Traces.
24	ePn	23 27 04.8	Traces. $\Delta=370$ km. ~ 3.3 dg. Dode- canese Islands about 36°2 N, 27°2 E.- H=23:27.1 (BCIS).

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Date	Phase	Time	Additional Readings and Remarks.
Sept. 24	ePn eiPgPg ei(SgPg) eiSh ei(SgSg)	23 30 41.9 C 45.3 D 48.5 W 31 03.8 10.8	An=12 μ , Tn=1.4 sec. Ae=14 μ , Te=1.4 sec. Δ =205 km. ~1.8 dg. M=4.6 (Athens). Central Greece 39°3 N, 22°0 E.- H=23:30:10(BCIS). Very poorly recorded up to 9°. Felt in <u>Evrytania</u> (V+ at Neraïda, Agrapha, V at Karpenisi, Kliston, Karoplesion, IV+ at Phourna; IV at Kerasochori). <u>Phthiotis</u> (IV at Ladikou, Makrakomi, Lamia, Leuka), <u>Karditsa</u> (IV at Anavra) and <u>Aetolia</u> (IV at Agrinion). Area of felt shaking about 25,000 km ² M.M.=4.8.*
25	eiPn eiPgPg eiSn	05 43 50.0 CE 50.7 N 44 04.5	Weak. Δ =115 km. ~1 dg. Felt in <u>Arcadia</u> (V+ at Levidi, Kandyla, V at Nestani, Artemision, III at Rizae) and <u>Corinthia</u> (IV+ at Panariti, IV at Nemea, II+ at Kryoneri).
25	ePn eiPgPg eiSgPg eiSn eiSgSg	05 54 30.6 C 31.5 DW 34.5 45.5 47.5	Weak. Δ =120 km. ~1.1 dg. Felt in <u>Arcadia</u> (IV+ at Nestani, IV at Levidi, Artemision, Kandyla), <u>Corinthia</u> (IV+ at Panariti, Nemea, II+ at Kryoneri) and <u>Argolis</u> (IV at Mykinae).
25	eiPg eiSg	06 09 13.9 D 29.1	Traces. Δ =125 km. ~1.1 dg. Felt in <u>Arcadia</u> (IV at Kandyla) and <u>Corinthia</u> (IV at Panariti).
25	eiPg eiSn	12 56 40.0 D 55.5	Very weak. Δ =120 km. ~1.1 dg. Felt in <u>Arcadia</u> (V at Kandyla, IV at Levidi).
25	eiPn eiPgPg eiSg	16 58 52.9 D 53.8 W 59 07.2	Very weak. Δ =125 km. ~1.1 dg. Felt in <u>Arcadia</u> (V at Kandyla, IV+ at Artemision, IV at Levidi).

121.

Date	Phase	Time	Additional Readings and Remarks.
Sept. 28	e(Sg)	15 22 34.1	Traces. Δ =440 km. ~4 dg. Albania about 41° ¹ / ₄ N, 20° ³ / ₄ E.- H=15:20.3 (BCIS).
29	e Pn eiSn eiSg	05 25 29.2 D 26 04.2 15.2	Very weak. Δ =315 km. ~2.9 dg. Near West coast of Turkey.
29	eiPn e Pb eiSb	06 22 07.6 C 12.4 51.4	An=5 μ , Tn=2 sec., Ae=4 μ , Te=2 sec. Δ =335 km. ~3 dg. M=4.4 (Athens). Epirus 40°1 N, 21°0 E.- H=06:21:20.5; h about 33 km. (USCGS). Poorly recorded up to 87°. Felt in <u>Thesprotia</u> (IV at Egoumenitsa, Philiates) and <u>Jannina</u> (III+ at Kourenta).
29	e Pb eiSn e Sb	08 24 02.0 32.5 38.1	e 24:00.5. An=4 μ , Tn=2 sec., Ae=4 μ , Te=2.4 sec. Δ =310 km. ~2.7 dg. M=4.4 (Athens). Samothrace Island. 40°4 N, 25°5 E.- H=08:23:11(BCIS). Very poorly recorded up to 25°.
30	e Pn e Pg e Sb eiSg	01 52 39.4 49.1 53 22.0 27.5	Traces. Δ =325 km. ~2.9 dg. Felt on Samos Island (IV at Pagontas, III at Limin-Vatheos).
30	eiPn eiPb eiSn eSb eiSg	03 08 51.1 C 54.4 S 09 21.4 24.9 28.7	Very weak. Δ =260 km. ~2.3 dg. Felt in Elis (IV at Katakolon).
Oct. 1	e Pg ei(Sb) eiSg	05 04 00.1 D 24.1 26.5	Very weak. Δ =230 km. ~2.1 dg.
1	e Pn e Sn	22 33 05.6 51.4	Traces. Δ =420 km. ~3.6 dg.

Date	Phase	Time	Additional Readings and Remarks.
Oct. 2	e Sg	23 28 48.4	Traces.
3	e Pn eiSg	12 01 02.2 30.9	Traces. $\Delta=205$ km. ~ 1.9 dg. Felt in Elis (III at Amalias).
4	e(Sg)	07 53 41.5	Traces. Felt on Crete Island (III at Pyrgos).
4	e Pn eiSn	19 46 27.8 D 40.7	ei46:28 C, ei 4640, i 46:44. An=127 μ , Tn=2 sec., Ae=105 μ , Te=2.4 sec., $\Delta=100$ km. 0.9 dg. M=5.2 (Athens). Peloponnesus 38°1 N, 22°6 E.- H=19:46:10; h about 40 km. (BCIS). M=5 (Moscow), 4.8 (Kew), 4.7 (Tulsa). Recorded up to 128°; No. of Stations 101. Felt in Corinthia (VI at Panariti, Mati, Goura, Mossia, Kastania, Pheneos, Messino, V+ at Stenon, Sarantapichon, Tarson, Kalyvia Panorama, Bouzi, Bassi, Velon, Brachati, Srkeon, Kryoneri, Xylokastron, V at Assos, IV+ at Isthmia, Corinth, Nemea, St.- Basilios IV at Athikia, Dervenii, Chiliomodi, Loutraki, III at St.- Theodoroe), <u>Achaia</u> (VI at Kato-Klitoria, V+ at Loussika Drymos, Pteri, V at Kalavryta, Daphni, Metochi, Kertezzi, Akrata, Klitor, IV+ at Patras, Rododaphni, Diakopton, Mazaraki, Temeni, IV at Aeghion, Vrachneika, Kato-Achaia, Sagheika, Kounina, Drossia, St.- George, Rion, Chalandritsa, III at Valimitika), <u>Arcadia</u> (V+ at Kandyla, Dimitiana, V at Vytina, Levidi, Valtessinikon, Nestani, Tropaea, IV+ at Astros, Langadia, Megalopolis, Stadion, IV at St.- Nikolaos, Vlachokerasia, St.- Abdreas, Perdikoneri,

Date	Phase	Time	Additional Readings and Remarks.
Oct. 4			Partheni, Doliana, III+ at Rizae), Elis, (V at Andritsaena, Kalidona, Vounargos; Pelopion IV+ at Andravida, Makryssia, Pyrgos, IV at Goumeron, Didyma, Krestena, Letrinae, Manalas, III+ at Strephi, Savalia, Traganon, III at Zacharo), <u>Argolis</u> (V at Karya, Palaea-Epidavros, IV+ at Ligouri, Mykinae, IV at Nauplion, Argos, Nea-Kios, Achladokampos, Koutsopodi, Arachnaeon, St.- Andrianos, Drepanon, III+ at Nea-Tirynthos), <u>Messinia</u> (IV+ at Meropi, Zevgolatio, IV at Kopanaki, Chora, Siderokastron, Philiatra, Kyparissia, III at Andrroussa, Gargalianoe, Skala), <u>Laconia</u> (III at Georghitsi, Vresthena, Amyklae, II+ at Geraki), <u>Aetolia</u> (V at Evinochori, Gouria, Stamma, IV+ at Mataranga, IV at Messolonghi, Naupaktos, Agrinion, Gavalou, Spolaita, Zevgaraki, Myrtea, Analipsis, Nea-Avorani, Perdikaki, III+ at Neochori, Platanos, Papadatae, III at Angelokastron St.-Constantinos), <u>Phokis</u> (IV+ at Chrysson, Itea, IV at Amphissa, III+ at Lidoriki, Galaxidi, III at Kastelia, II+ at Desphina, Polydrosson), <u>Boeotia</u> (IV+ at Leondari, Thisvi, Aliartos, Davlia, IV at Distomon, Levadia, Panaghia, III+ at Ste.- Trias, Plataeae, II+ at Kyriakion), <u>Phthiotis</u> (IV+ at St.-George, IV at Regini, Elatia, Domokos, III+ at Ladikou, Sperchias, III at Tithorea, Hypati, Leuka, II+ St.-Konstantinos), <u>Attica</u> (IV at Dryopi, III+ at Athens, II+ at Piraeus). The shock was felt on the Islands, of Poros (IV at Poros) <u>Spetsae</u> (III at Spetsae), <u>Hydra</u>

Date	Phase	Time	Additional Readings and Remarks.
Oct. 4			(II+ at Hydra), Kythera (II+ at Kythera), Zante (IV at Gaitani), <u>Leukas</u> (III+ at St.-Patros) and <u>Cephalonia</u> (II+ at Svoronata). Not felt at Petalidi, Diavolitsi, Methoni (of Messenia), Galatas, Paravola, (of Aetolia), Keratea, Vouliagmeni, Penteli, Paeania, Kapandriti (of Attica), Makrokomi, Larimna, Martinon, Molos (of Phthiotis), Amphilochia, Vonitsa, Stanon (of Akarmania). Area of felt shaking about 110,000 km ² . M.M.=5.7% Focal depth about 33 km.
4	e Pg eiPn eiSgSg	20 00 57.6 C 58.9 C 01 13.3	Aftershock. Very weak. $\Delta=100$ km. ~ 0.9 dg. Felt in Argolis (IV+ at Ligouri, IV at Nestani).
4	e Pg eiSn	20 24 54.4 25 09.0	Aftershock. Very weak. $\Delta=100$ km. ~ 0.9 dg. Felt in Argolis (IV+ at Ligouri) and Achaia (IV at Kato-Klitoria, III at Klitor).
4	e Pg e Sn	20 48 58.2 49 12.1	Aftershock. Traces. $\Delta=90$ km. 0.8 dg. Felt in Achaia (IV+ at Ano-Klitoria).
4	e Pg eiSn	21 27 53.4 28 08.1	Aftershock. Very weak. $\Delta=100$ km. ~ 0.9 dg. Felt in Achaia (IV+ at Kato-Klitoria).
4	eiPg eiPn eiSgSg	22 05 36.9CNE 38.4 N 52.4	Aftershock. Very weak. $\Delta=100$ km. ~ 0.9 dg. Felt in <u>Arcadia</u> (IV+ at Valtessinikon IV at Vytina, Tropea, III+ at Stadion) and <u>Corinthia</u> (III at Nemea).
6	e(Pn)	06 51 00.0	Traces. Felt on Lesbos Island (III at Stypsi).

Date	Phase	Time	Additional Readings and Remarks.
Oct. 8	e(Pn) eiSn	14 27 30.9 C 28 21.4	e27:35 D, ei 27:41, An=3 μ , Tn=2 sec., Ae=12 μ , Te=2.4 sec. $\Delta=465$ km. ~ 4.2 dg. M=4.9 (Athens). South Bulgaria 42° 4' N, 24° 6' E. H=14:26:37 (BCIS). M=4 ¹ / ₂ (Moscow). Recorded up to 27°, No of Stations 43. Macroseismic epicenter 42°N, 24° ¹ / ₂ E. Reported from Bulgaria (VII at Peschtera, Velingrad). Felt in <u>Drama</u> (IV at Paranesti, Drama), <u>Xanthi</u> (IV at Neochori, III at Xanthi) and <u>Kavala</u> (IV at Eleutheroupolis). Area of felt shaking about 95,000 km ² . M.M. 5.7*. Focal depth about 15 km.
8	eiPn eiPg eiSn	15 12 09.9 C 25.8 C 58.8	ei 12:16C, i 13:00, An=6 μ , Tn=2sec. Ae=8 μ , Te=2.6 sec. $\Delta=450$ km. ~ 4.1 dg. M=4.8 (Athens). South Bulgaria 42° 4' N, 24° 3' E. H=15:11:17 (BCIS). M=4 ¹ / ₂ (Moscow), 4 (Sofia). Recorded up to 73; No. of stations 37. As well as (IV Macroseismic epicenter 42° N, 24 ¹ / ₄ E. Felt in Peschtera and Velingrad, in <u>Kavala</u> (IV+ at Eleutheroupolis), <u>Drama</u> (IV at Drama, III at Paranesti), <u>Serrae</u> (IV at St.-Pnevma) and <u>Xanthi</u> (III at Xanthi). Area of felt shaking about 95,000 km ² . M.M.=5.7*. Focal depth about 15 km.
9	e Pn eiPg eiSg	06 15 22.4 23.2 D 43.4	Very weak. $\Delta=165$ km. ~ 1.5 dg. Felt in Achaia (IV+ at Patras, IV at Aeghion, St.-George-Rion) and Aetolia (IV at Mesolonghi, Naupaktos).
11	i Pg eiSg	.01 37 24.6CSW 31.6	Weak. $\Delta=55$ km. ~ 0.5 dg. Felt on Euboea Island (V at Avlonari, IV+ at Achladeri, Oxyolithos, IV at Karystos Vryssi, Gymnon).

Date	Phase	Time	Additional Readings and Remarks.
Oct. 12	e Pn e Pg eiSb	22 50 59.2 D 51 05.6 32.5	Traces. $\Delta=260$ km. ~ 2.3 dg. Aegean Sea.- H=22:50.3 (BCIS).
14	e Pg eiSg	16 23 16.6 C 31.1	Very weak. $\Delta=120$ km. ~ 1.1 dg. Felt in Corinthia (VI at Panariti, IV+ at Kryoneri, Xylokastron) and Arcadia (V+ at Kandyla, III at Levidi).
14	e(Sg)	18 42 22.5	Traces. Felt in Arcadia (III at Levidi).
15	e Sg	16 20 30.2	Traces. $\Delta=595$ km. ~ 5.4 dg. Yugoslavia about $42\frac{3}{4}$ N, $20\frac{1}{2}$ E.- H=16:17.6 (BCIS).
15	eiPg eiSg	22 02 31.3 CSE 36.9	An=91 μ , Tn=2.3 sec., Ae=98 μ , Te=3.2 sec.; $\Delta=45$ km. ~ 0.4 dg. M=4.7 (Athens). Felt in Boeotia (VI at Assopia, V+ at Arma, Tanagra, V at Mavromati, IV+ at Thebes) and Attica (III at Athens). Area of felt shaking about 7000 km ² . M.M. 4,1 *
17	eiPg eiSg	00 23 34.4 43.0	Very weak. $\Delta=70$ km. ~ 0.6 dg. Felt on Euboea Island (IV at Vryssi).
19	e Pg eiSg eiSgSg	07 18 35.5 C 52.8 55.3	Traces. $\Delta=140$ km. ~ 1.3 dg. Felt on Skiathos Island (IV at Skiathos).
22	e Pn e Pg eiSn eiSg	22 14 07.4 C 12.7 34.1 38.6	Very weak. $\Delta=220$ km. ~ 2 dg. Felt on St.- Eustratios Island (IV at St.- Eustratios).
25	e Sn	18 45 24.4	Traces. $\Delta=740$ km. ~ 6.7 dg. Yugoslavia $43^{\circ}0$ N, $18^{\circ}0$ E.- H=18:42:30 (BCIS).

Date	Phase	Time	Additional Readings and Remarks.
Oct. 26	i Pn eiSn	11 27 33. C CNW 28 32.2	An=3 μ , Tn=2 sec., Ae=4 μ , Te=2 sec. $\Delta=600$ km. ~ 5.4 dg. M=4.7 (Athens) Eastern Mediterranean Sea $33^{\circ}6$ N, $27^{\circ}6$ E.- H=11:26:13 (BCIS). h about 100 km. M=4 (Mo). Recorded up to 92° , No of stations 93.
Nov. 3	e(Sg)	04 09 56.0	Traces.
3	e Pg eiPn eiSn eiSgSg	07 57 48.0 D 49.2E 58 02.6 03.9	Traces. $\Delta=105$ km. ~ 0.9 dg. Feet on Skiathos Island (IV at Skiathos).
7	e	13 00 27.7	Traces.
9	ei(Pn)	07 10 39.0	Traces.
9	e	12 50 31.6	Traces. Felt on Crete Island (IV+ at Lithinae, III+ at Kato-Chorion).
9	eiSg	20 12 39.5	Traces.
13	eiSg	00 03 31.5	Traces. Felt in Corinthia. (IV at Xylokastron).
13	eiPn e Pb eiSn eiSb eiSg	03 58 09.5 D 12.5 40.6 44.6 49.0	Very weak. $\Delta=270$ km. ~ 2.4 dg. Felt on Leukas Island (IV at Leukas, St.- Petros).
17	e(Sg)	22 00 59.5	Traces. Felt in Arcadia (II at Levidi).
18	e Pn e Sn eiSg	19 04 20.8 39.0 41.1	Traces. $\Delta=160$ km. ~ 1.4 dg. Felt in Arcadia (III at Levidi).
22	eiPg eiSgPnPg	19 49 00.5 CS 03.2	Weak. $\Delta=135$ km. ~ 1.2 dg. Felt in Phokis (V+ at Desphina, IV at St.-

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Date	Phase	Time	Additional Readings and Remarks.
Nov. 22	eiSg	17.0	Euthymia, Kasteli, III at Lidoriki and Phthiotis (IV at Tithorea).
22	e Pn e Sn eiSg	20 19 31.9 D 20 06.0 11.0	Traces. $\Delta=230$ km. ~ 2.1 dg. Felt in Messinia (IV at Chrysokelaria).
23	e Pn eiSg	07 57 38.2 C 58 06.5	Very weak. $\Delta=210$ km. ~ 1.9 dg. Felt in Messinia (IV+ at Chandrinou, IV at Gargalianoe, III at Pylos).
26	e Pn eiSn eiSb eiSg	19 42 56 C 43 26.9 31.4 35.2	Very weak. $\Delta=270$ km. ~ 2.4 dg. Felt in Messinia (V at Philiatra).
28	ei(Sg)	23 27 18.0	Traces. Felt in Corinthia (IV+ at Isthmia, IV at St.-Theodoroe).
29	e Pn eiSn	23 26 22.5 52.6	Traces. $\Delta=260$ km. ~ 2.3 dg. Felt on Cephalonia Island (IV at Lixouri).
Dec. 2	eiPn eiPg eiSn eiSg	13 16 52.8 C 56.8 D 17 19.0 23.4	Very weak. $\Delta=220$ km. ~ 2 dg. Felt on Zante Island (IV at Zante).
5	e Pn eiSg	23 14 42.5 D 15 03.7	Very weak. $\Delta=165$ km. ~ 1.5 dg. Felt on Achaia (IV at Patras, St.-George-Rion).
8	eiPn eiPgPg ei(SgPg) eiSg	01 08 16.0 D 16.5 D 20.1 D 28.4	Very weak. $\Delta=110$ km. ~ 1 dg. Felt in Corinthia (IV at Nemea), and Arkadia (III at Karya).
10	e Pn	06 19 03.1	Traces. $\Delta=445$ km. ~ 4.0 dg. Ochrida Lake about $41^{\circ}1/4$ N, $20^{\circ}3/4$ E.

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Date	Phase	Time	Additional Readings and Remarks.
Dec. 10			H=06:17;58 (BCIS). Recorded up to 70. N° of station 3.- Felt IV at Struga.
11	e Pg	00 16 01.5 C	Traces. $\Delta=420$ km. ~ 3.8 dg. Ochrida Lake about 41° N, $20^{\circ}3/4$ E.- H=00:14.8 (BCIS). Felt IV at Sturga and Ohrid.
13	e Pn ei(Sn) eiSg	22 46 34.4 D 47 25.5 48.5	ei 47:49. An=14 μ , Tn=6 sec., Ae=15 μ , Te=6 sec. $\Delta=480$ km. ~ 4.3 dg. M=5.2 (Athens). Dodecanese Islands $35^{\circ}1/4$ N, $28^{\circ}1/4$ E.- H=22:45:26 (BCIS); h=39 km. (USCGS). Recorded up to 80°. N° of Stations 48.
14	ei	15 33 34.3	Traces.
16	e Pn eiPg eiSn eiSg	12 37 10.9 C 20.5 D 46.4 58.5	Weak. $\Delta=320$ km. ~ 2.9 dg. Felt on Zante Island (IV at Zante) and Cephalonia (IV at Lixouri).
17	e Pg eiSg	07 40 52.8 D 41 09.3	Traces. $\Delta=135$ km. ~ 1.2 dg. Felt in Phthiotis (IV+ at Makrokomi, III at Leukas).
18	eiPn e(Pb) eiSb eiSg	07 22 09.1 D 15.5 C 23 03.1 11.3	An=9 μ , Tn=6 sec. Ae=11 μ , Te=6 sec. $\Delta=410$ km. ~ 3.7 dg. M=4.9 (Athens). South Crete Island about $34^{\circ}1/2$ N, $24^{\circ}1/2$ E.- H=07:21.2 (BCIS). Recorded up to 37°, N° of Stations 26.-
18	eiPn eiPb ei(Pg) eiSn eiSg	10 14 00.9 D 04.5 C 08.9 32.9 41.4	e? 14:00 D. Very weak. $\Delta=280$ km. ~ 2.5 dg. Felt on Zante Island (IV at Zante).
21	eiPg eiSg	11 30 00.8 D 31.0	Traces. $\Delta=220$ km. ~ 2 dg. Felt in Elis (IV at Letrinoe).

Date	Phase	Time	Additional Readings and Remarks.
Dec. 22	eiPg eiSg	18 06 39.5 C 49.4	Very Weak. $\Delta=80$ km. ~ 0.7 dg. Felt on Euboea Island (IV+ at Vrysi).
23	eiPn eiSn	00 44 59.5 D 45 48.4	An= 5μ , Tn=2.5 sec., Ae= 5μ , Te=2.3 sec., $\Delta=455$ km. ~ 4.1 dg. M=4.7 (Athens). Albania $41^{\circ}11'N$, $20^{\circ}2'E$.- H=00:43:50 (BCIS). M=4.6 (Wichita Mountains). Recorded up to 74° , N° of Stations 43.
23	eiPg ei(Pn) eiSg	03 46 27.6CSW 29.9 C 36.4	Very weak. $\Delta=70$ km. ~ 0.6 dg. Felt on Euboea Island (IV+ at Vrysi).
23	e Pn	21 41 24.5 D	Traces. $\Delta=790$ km. ~ 7.1 dg.
25	e Pn eiSn	21 42 17.0 39.2	Traces. $\Delta=205$ km. ~ 1.9 dg.
28	e Pg eiSgPg eiSg	06 08 01.0 06.0 17.0	Very weak. $\Delta=130$ km. ~ 1.2 dg.
28	eiPn eiSn	23 30 18.5 D 59.5	An= 8μ , Tn=4.9 sec., Ae= 5μ , Te=2.1 sec., $\Delta=370$ km. ~ 3.3 dg. M=4.7 (Athens). South Crete Island $34^{\circ}7'N$, $23^{\circ}9'E$.- H=23:29:25 (BCIS). Recorded up to 93° N° of Stations 25, M=4.6.*

C. FELT SHOCKS NOT RECORDED.

Date	Time h.m.	Localities	Provinces	Intensities
Jan. 2	07:27	Gomphoe	Trikala	IV
7	14:20	Stypsi	Mithymne	IV
8	22:15	Spili	St.-Vasilios	V
11	03:30	Georgitsi	Lakedaemon	IV
12	13:05	Symi	Rhodes	IV
12	19:00	Kardamyla	Chios	IV
17	05:12	Kryoneri	Langada	IV
17	17:15	Nea-Apollonia	Langada	IV
20	01:46	Arachova	Levadia	IV
20	22:20	Letrinooe	Elis	IV
20	23:05	Isthmia	Corinthia	IV
21	00:10	Isthmia	Corinthia	IV+
21	00:58	Isthmia	Corinthia	IV
22	22:30	Xylokastron	Corinthia	IV
25	04:05	Lixouri	Pali	IV
25	04:07	Sami	Sami	IV+
25	19:40	Drepanon	Patras	IV+
29	16:25	Spartiae	Kranaea	IV+
29	16:30	Sami	Sami	V
29	21:15	Isthmia	Corinthia	IV
29	22:55	Isthmia	Corinthia	III+
Feb. 2	02:50	Mesagros	Mytilene	IV
		Kaloni	Mithymne	IV
		Stypsi	Mithymne	IV
		Loutra	Mytilene	IV
		Mytilene	Mytilene	IV
		Loutropolis-		
		Thermis	Mytilene	IV
		Kapi	Mytilene	IV
9	20:19	Xylokastron	Corinthia	IV+
9	21:00	Gomphoe	Trikala	IV
15	05:20	Didymotichon	Didymotichon	IV
16	02:40	Lixouri	Pali	IV
17	09:47	Kryoneri	Langada	III
20	20:15	St.-Euthymia	Parnasis	III+
28	15:45	Argostoli	Kranaea	III

132.

Date	Time h.m.	Localities	Provinces	Intensities
March				
8	12:17	Lixouri	Pali	IV
12	10:25	Sami	Sami	IV+
14	13:15	Lixouri	Pali	IV
16	07:25	Drymos	Kalavryta	IV
22	21:55	Oenousae	Chios	IV
29	12:17	Lixouri	Pali	IV
30	00:00	Chandrinou	Pylia	IV
Apr.				
2	01:00	Chandrinou	Pylia	III
13	13:03	Avliotes	Corfou	IV+
14	03:10	Isthmia	Corinthia	III+
15	04:50	Xylokeastron	Corinthia	IV
19	01:35	Sami	Sami	IV+
19	12:28	Vizikion	Gortynia	IV+
21	16:08	Patras	Patras	III
21	16:10	Patras	Patras	III
21	16:18	Patras	Patras	IV+
21	16:22	Patras	Patras	IV
22	04:23	Stimanga	Corinthia	III
23	01:15	Panarition	Corinthia	IV+
27	11:30	Kaenoyrghion	Trichonis	IV
29	06:00	Spolaïta	Trichonis	IV
		Archontochori	Vonitsa	IV
29	09:00	Spolaïta	Trichonis	IV
		Messolonghi	Messolonghi	III
		Aetolikon	Messolonghi	IV
29	11:30	Dokimion	Trichonis	IV
29	13:00	Phytiae	Vonitsa	III
29	17:00	Palaeomanina	Vonitsa	IV+
29	19:30	Mytikas	Vonitsa	IV
30	00:35	Limni	Chalkis	III+
30	08:10	Palaeomanina	Vonitsa	IV
30	09:00	Palaeomanina	Vonitsa	IV+
30	10:00	Palaeomanina	Vonitsa	IV
30	15:32	Lixouri	Pali	IV+
		Argostoli	Kranaea	IV
May				
1	08:00	Kalamos	Ithaca	III
2	23:00	Koryvassion	Pylia	IV+

133.

Date	Time h.m.	Localities	Provinces	Intensities
May				
2	02:40	Panaetolion	Trichonis	III
4	12:30	Papadatos	Vonitsa	IV
4	23:30	Ithaca	Ithaca	III
4	23:40	Ithaca	Ithaca	IV+
7	21:45	Lepenou	Valtos	IV
7	23:00	Lepenou	Valtos	IV
10	19:45	Vamos	Apokorcnos	IV
14	08:35	Eretria	Pharsala	IV
15	21:20	Skopelos	Skopelos	III+
18	20:45	Vyzikion	Gortynia	IV+
19	20:10	Stadion	Mantinia	IV
19	21:30	St. Andreas	Kynouria	II+
20	00:30	Artemision	Mantinia	II
20	23:50	Nemea	Corinthia	III+
21	00:00	Kandila	Mantinia	III+
		Levidi	Mantinia	III+
21	10:15	Nestani	Mantinia	IV
22	13:45	Kryoneri	Corinthia	IV
22	21:15	Kandila	Mantinia	IV
22	23:00	Levidi	Mantinia	III+
25	13:27	Skoulikadon	Zante	III
25	14:05	Skoulikadon	Zante	IV+
25	21:45	Karya	Leukas	IV
26	10:45	Vlachata	Kranaea	III
27	06:30	Skoulikadon	Zante	III
27	17:15	Vlachata	Kranaea	III
28	21:55	Moudron	Lemnos	IV
29	00:30	Machaeradon	Zante	IV
29	07:55	Myrina	Lemnos	III+
29	21:20	Myrina	Lemnos	III+
30	00:30	Grekochori	Thyamis	IV
June				
7	21:00	Kontia	Lemnos	IV
10	08:46	Myrina	Lemnos	III
10	09:36	Myrina	Lemnos	III
10	09:58	Myrina	Lemnos	III
10	12:47	Myrina	Lemnos	III
10	14:32	Myrina	Lemnos	III
10	15:02	Myrina	Lemnos	III

134.

Date	Time h.m.	Localities	Provinces	Intensities
June				
11	10:05	Myrina	Lemnos	III
11	17:45	Myrina	Lemnos	III
11	17:54	Myrina	Lemnos	III
15	05:48	Lixouri	Pali	II
15	10:52	Myrina	Lemnos	IV
15	10:55	Myrina	Lemnos	III
15	17:54	Myrina	Lemnos	III
17	01:00	Sesklon	Volos	IV
17	03:05	Myrina	Lemnos	III
17	15:18	Myrina	Lemnos	III
18	03:00	Sesklon	Volos	IV+
22	03:20	Myrina	Lemnos	III+
23	01:20	Myrina	Lemnos	III+
25	00:00	Myrina	Lemnos	III+
26	18:10	Vlachata	Kranaea	IV
July				
2	02:45	Sesklon	Volos	II
9	10:35	Drakia	Volos	III
13	11:01	Ossa	Langada	V
14	20:20	Myrina	Lemnos	IV
20	08:13	Myrina	Lemnos	III+
22	00:05	Myrina	Lemnos	IV
28	18:30	Chios	Chios	III
29	22:35	Louros	Nikopolis	II
Aug.				
7	11:15	Letrinoe	Elis	III
13	06:28	Arphara	Kalamae	III+
24	08:50	Vlachata	Kranaea	III+
24	11:09	Skoulikadon	Zante	IV
25	08:00	Tetrakomon	Arta	III+
26	12:30	Vlachata	Kranaea	IV
27	11:30	Ste.-Euthymia	Parnasis	III+
28	12:00	Methoni	Pylia	III+
31	07:25	Skoulikadon	Zante	IV
Sept.				
5	20:35	Skoulikadon	Zante	IV
8	01:55	Lixouri	Pali	IV+

135.

Date	Time h.m.	Localities	Provinces	Intensities
Sept.				
8	20:30	Argalasti	Volos	III
11	22:15	Isthmia	Corinthia	III
13	22:45	Oenousae	Chios	III
19	19:20	Argalasti	Volos	IV
24	05:05	Karya	Argos	III
24	20:30	Kasteli	Parnasis	III
25	10:55	Artemission	Mantinia	IV+
25	11:45	Leukas	Phthiotis	IV+
25	13:11	Leukas	Phthiotis	IV
25	23:00	Lixouri	Pali	IV+
Oct.				
3	10:15	Prophitis-Helias	Edesa	III
4	03:05	Charakas	Monophatsion	IV
		Pyrgos	Monophatsion	III+
5	06:10	Levidi	Mantinia	II+
5	10:05	Pyrgos	Elis	III+
5	19:45	Aetolikon	Messolonghi	IV+
10	07:58	Gavalou	Messolonghi	III
14	15:29	Patras	Patras	IV+
17	02:30	Vryssi	Karystia	IV
Nov.				
3	08:10	Kato-Chorion	Hierapetra	IV
15	23:30	Konitsa	Konitsa	IV+
23	20:30	Chandrinou	Pylia	IV
24	08:30	Chandrinou	Pylia	IV
26	05:05	Galaxidi	Parnasis	III
27	19:43	Zacharo	Olympia	II+
29	10:10	Lixouri	Pali	III
30	06:05	Xinon-Neron	Florina	III+
Dec.				
9	17:25	St.-George-Rion	Patras	IV
12	06:35	Kranaea	Nikopolis	IV
13	19:05	Patras	Patras	III
16	10:30	Karya	Argos	III
17	06:55	Leukas	Phthiotis	III

TABLE
INTENSITIES OF THE SHOCKS FELT IN GREECE

Localities	Provinces	I n t e n s i t i e s on Mercalli - Sieberg Scale										
		II	III	IV	V	VI	VII	VIII	IX	X	XI	Tot.
Acharnae	Attica			1								1
Achladeri	Karystia			1								1
Achlado-												
kamos	Argos		1	1	1							3
Aeani	Kozani			1								1
Aeghae	Aeghialia					1						1
Aeghiali	Thera			1								1
Aeghina	Aeghina				1							1
Aeghion	Aeghialia			6	1							7
Aeghira	Aeghialia						1					1
Aemilianos	Grevena			1								1
Aetolikon	Mesolonghi	2		9	5	1						17
Aetos	Florina			1	1							2
Aghia	Aghia			1								1
Aghia	Nikopolis											
	Parga			1								1
Aghiasos	Mytilene			1								1
Aghios	Istiaea		1									1
Agrapha	Evrytania			2	1							3
Agria	Volos			2								2
Agrinion	Trichonis		2	15								17
Akoumia	St. Vasilios		1									1
Akraephnia	Thebes			1								1
Akrata	Aeghialia			6	1							7
Aliartos	Levadia			2								2
Alissos	Patras		4	1								5
Aliveri	Karystia			1								1
Alkomenae	Levadia				1							1
Almyros	Almyros		1	1								2
Alonisos	Skopelos	1		1								2
Amalias	Elis		2	1	1							4
Amarousion	Attica			1								1
Amarynthos	Chalkis			1	1							2

Localities	Provinces	Intensities On Mercalli - Sieberg Scale										
		II	III	IV	V	VI	VII	VIII	IX	X	XI	Tot.
Dion	Pieria			1								1
Distomon	Levadia			1	1							2
Dogani	Aghia			1								1
Dokimion	Trichonis		2	8	1							11
Doliana	Dodoni			1								1
Doliana	Kynouria		2	1	1							4
Domokos	Domokos			2								2
Dorion	Triphylia			1								1
Douneika	Elis				1							1
Draganon	Patras					1						1
Drakia	Volos			1								1
Drakotrypa	Karditsa			1	1							2
Drama	Drama			2								2
Drapetsona	Attica			1								1
Drepanon	Kozani			1								1
Drepanon	Nauplia			1								1
Drepanon	Patras			4	1							5
Drosia	Patras		2	1	1							4
Drosia	Thebes			1								1
Drymos	Kalavryta			3	1							4
Dryopi	Trizinia			1	1							2
Dryopis	Kea			1								1
Eglykada	Patras				1							1
Egoumenitsa	Thyamis			4								4
Elasona	Elason	1										1
Elatia	Lokris			4								4
Eleousa	Dodoni			1	1	1						3
Eleusis	Megaris			1								1
Eleutherou- polis	Pangaeon			2								2
Elikon	Levadia				1							1
Emporion	Thera			1								1
Epano-Archa- nae	Temenos			1								1
Episkopi	Rethymne			1	1							2

Localities	Provinces	Intensities on Mercalli - Sieberg Scale										
		II	III	IV	V	VI	VII	VIII	IX	X	XI	Tot.
Epitalion	Olympia			4		1						5
Eratyra	Voion			1								1
Eretria	Pharsala			2								2
Ermionis	Ermionis				1							1
Ermoupolis	Syros			1								1
Erythrae	Megaris			1								1
Eva	Messini			1								1
Evangelis- mos	Pylia		1	1								2
Evinochori	Mesolonghi			1	3							4
Evrostini	Corinthia					1						1
Examilia	Corinthia						1					1
Flampouron	Florina		1									1
Florina	Florina			2								2
Gaios	Paxos			1								1
Galatas	Kydonia				1							1
Galatas	Mesolonghi		3									3
Galatas	Trizinia					1						1
Galatsi	Attica			1								1
Galaxidi	Parnasis		3	6	1							10
Galia	Kaenourghion		1									1
Garazos	Mylopotamos			1								1
Gargaliano	Triphylia		1	3								4
Gastouni	Corfou			1	1							2
Gastouni	Elis			2	1	1						4
Gavalou	Mesolonghi		2	6								8
Georgitsi	Lakedaemon		1	1								2
Geraki	Lakedaemon	1			1							2
Germa	Kastoria			1								1
Ghaitani	Zante			3	1							4
Gherakari	Zante			1	1							2
Gomphoe	Trikala			1								1
Gonoe	Timavos		1									1
Gonousa	Corinthia						1					1

Localities	Provinces	Intensities on Mercalli - Sieberg Scale										
		II	III	IV	V	VI	VII	VIII	IX	X	XI	Tot.
Gorgomylos	Nikopolis			1								1
Goritsa	Lakedaemon				1							1
Goumeron	Elis			1	1							2
Goura	Corinthia					1						1
Gouria	Mesolonghi			1	2							3
Gramenitsa	Arta			1								1
Grammatikon	Attica			1								1
Grammatikon	Mesolonghi				1							1
Gramvousa	Kissamos			1								1
Grekochori	Thyamis		2		1							3
Grevena	Grevena			1								1
Grizanos	Trikala			1								1
Gymnon	Argos					1						1
Gymnon	Chalkis			3	2							5
Gythion	Gythion			1								1
Helinikon	Corinthia					1						1
Heraklion	Attica			1								1
Heraklion	Corinthia					1						1
Heraklion	Temenos			1								1
Hierapetra	Hierapetra		1									1
Hydra	Hydra	1	1	2								4
Hypati	Phthiotis		1		1							2
Ierax	Epid.-Limiras				1							1
Inoi	Kastoria			1								1
Ios	Thera		2	1								3
Iroikon	Florina			1								1
Isthmia	Corinthia		5	13	6							24
Istiaea	Istiaea		1	2								3
Itea	Parnasis			2	3							5
Ithaca	Ithaca		1	4	1							6

Localities	Provinces	Intensities on Mercalli - Sieberg Scale										
		II	III	IV	V	VI	VII	VIII	IX	X	XI	Tot.
Jannina	Dodoni				2		1					3
Jannitsa-nika	Kalamae				1							1
Kaenourghion	Trichonis			2	1							3
Kaesariani	Attica				1							1
Kakourion	Mantinia		1									1
Kalamae	Kalamae	1	1	2								4
Kalamaki	Corinthia				1							1
Kalamos	Attica				2							2
Kalamos	Ithaca	1	2	1	1							5
Kalanistra	Patras			2								2
Kalavryta	Kalavryta			5	3							8
Kali	Jannitsa			1								1
Kalianoe	Corinthia					1						1
Kalidona	Olympia		1	5	1	1						8
Kalipeuki	Tirnavos			1								1
Kaliphonion	Karditsa				1							1
Kalitheia	Attica			1								1
Kalitheia	Corinthia						1					1
Kalitheia	Doris		3	2	1							6
Kalitheia	Olympia			1	1							2
Kallimasia	Chios			1	1							2
Kalymnos	Kalymnos				1							1
Kalyvae	Apokoronos		1	2								3
Kalyvia	Corinthia				1							1
Kamarina	Nikopolis					1						1
Kanalaki	Nikopolis-Parga			1								1
Kanali	Niko.-Parga				1							1
Kanalia	Karditsa			1								1
Kandanos	Selinos			3								3
Kandila	Mantinia			6	8	1						15
Kapareli	Thebes			1	1							2

Localities	Provinces	Intensities on Mercalli - Sieberg Scale											Tot.
		II	III	IV	V	VI	VII	VIII	IX	X	XI		
Kardama	Elis				1							1	
Kardamyla	Chios					1						1	
Karditsa	Karditsa			1								1	
Karditso- magoyla	Karditsa				1							1	
Karoplesi- on	Evrytania			2	2							4	
Karousades	Corfou			2								2	
Karpenisi	Evrytania			4	2							6	
Karpochori	Karditsa				1							1	
Karya	Argos		1	4	1	1						7	
Karya	Elasson			1								1	
Karya	Leukas				1							1	
Karyae	Lakedaemon				1							1	
Karyotika	Corinthia					1						1	
Karystos	Karystia			2								2	
Kaspakas	Lemnos				1							1	
Kastania	Corinthia					1						1	
Kasteli	Parnasis	1	1	3	1							6	
Kasteli	Pedias	1										1	
Kastoria	Kastoria			3								3	
Kastorion	Lakedaemon				1							1	
Kastraki	Corinthia					1						1	
Kastraki	Kalampaka			1								1	
Kastritsi	Patras		1									1	
Katakolon	Elis	1		3	1							5	
Katapola	Thera			1								1	
Kataraktis	Arta			2								2	
Katastari	Zante		1	1								2	
Katerini	Pieria			1								1	
Katouna	Vonitsa				2							2	
Katsaros	Messini		2		1							3	
Kato-Achaia	Patras	1		7	1							9	
Kato-Cho- rion	Hierape- tra		1									1	
Kato-Dimi- nio	Corinthia					1						1	

Localities	Provinces	Intensities on Mercalli - Sieberg Scale											Tot.
		II	III	IV	V	VI	VII	VIII	IX	X	XI		
Kato Graeki- kon	Arta			1								1	
Kato-Klito- ria	Kalavryta			6	1	1						8	
Kato-Kora- kiana	Corfou			1	1							2	
Kato-Lecho- nia	Volos		1									1	
Kato-Lout- ron	Corinthia					1						1	
Kato-Phyga- lia	Olympia		2	1								3	
Kato-Titho- rea	Phthiotis		2	1								3	
Kato-Trika- la	Corinthia						1					1	
Kea	Kea			1								1	
Kedros	Karditsa		1									1	
Kentrikon	Messini		1	2								3	
Kephalari	Corinthia					1						1	
Kephalos	Kos			1								1	
Keramidi	Volos	1		1								2	
Kerasochori	Evrytania		1	4	1							6	
Keratea	Attica			1								1	
Keratsini	Piraeus			1								1	
Keri	Zante			2	1							3	
Kertezi	Kalavryta			6	4							10	
Kimolos	Kimolos			1								1	
Kiphisia	Attica			1								1	
Kipourion	Grevena			1								1	
Klidi	Arta		1	3								4	
Klima	Doris			1								1	
Klimenti	Corinthia					1						1	
Kliston	Evrytania			2	1							3	
Klitor	Kalavryta	2	2	10	1							15	
Knidi	Grevena		1									1	
Koelas	Kozani		1									1	

Localities	Provinces	Intensities On Mercalli-Sieberg Scale										
		II	III	IV	V	VI	VII	VIII	IX	X	XI	Tot.
Kokinopilos	Elasson	1										1
Kolinae	Mantinia		1	1								2
Kolirion	Elis				1	1						2
Kompotion	Arta				1							1
Konitsa	Konitsa			1								1
Kontia	Lemnos		1	4								5
Kopanaki	Triphylia			2								2
Korakovouni	Kynouria				1							1
Korinos	Pieria		1									1
Korisos	Kastoria		-									1
Koroni	Pylia				1							1
Koronos	Naxos			1								1
Korphiotisa	Corinthia				1							1
Korphovouni	Arta				1							1
Korthion	Andros		1									1
Korydalos	Piraeus			1								1
Koryni	Thebes					1						1
Koryphasion	Pylia			1								1
Kosma	Kynouria				1							1
Kotserion	Karditsa			1								1
Koukougvaou- nes	Attica			1								1
Koumades	Karditsa			1								1
Kounavoe	Pedias			1								1
Kounina	Aeghialia			1	3							4
Kourenta	Dodoni		1	2								3
Kourtesion	Karditsa			1								1
Koutseli	Dodoni		2									2
Koutsi	Corinthia					1						1
Koutsopodi	Argos		1	2	1							4
Kozani	Kozani			1								1
Kraneia	Nikopolis				1							1
Kranidi	Ermionis					1						1
Kremydia	Pylia				1							1
Krestena	Olympia			5	1							6
Krini	Pharsala			1								1
Kritsa	Mirampelon		1									1

Localities	Provinces	Intensities on Mercalli - Sieberg Scale										
		II	III	IV	V	VI	VII	VIII	IX	X	XI	Tot.
Kritsinion	Trikala				1							1
Krokea	Lakedaemon				1							1
Krokos	Kozani			1								1
Kryoneri	Argos				1							1
Kryoneri	Corinthia	2		4	1		1					8
Kryopighi	Nikopolis					1						1
Kylene	Elis					1						1
Kymi	Karystia		1	4	1							6
Kynigos	Pylia		1		1							2
Kynopla- stae	Corfou			1	1							2
Kyparissi	Chalkis			1								1
Kyparissia	Triphylia		2	2	1							5
Kyriakion	Levadia	2			1							3
Kythera	Kythera	1		1								2
Kythnos	Kea				1							1
Ladikon	Olympia				1							1
Ladikou	Phthiotis		1	1	1							3
Lokopetra	Patras			1								1
Langadia	Gortynia			1								1
Lamia	Phthiotis		1	1	1							3
Lampia	Elis			1	1							2
Larissa	Larissa			2								2
Laukos	Volos			1								1
Lavreotiki	Attica		1									1
Lechaeon	Corinthia				2	1						3
Lechena	Elis					1						1
Lechouri	Kalavryta				3							3
Lechovon	Florina			1								1
Leondari	Karditsa			1								1
Leondari	Thebes			2								2
Leonidi	Kynouria					1						1
Lepenou	Valtos			4								4
Letrinoe	Elis	2	1	8	2							13
Leuka	Phthiotis		2	3								5

Localities	Provinces	Intensities on Mercalli - Sieberg Scale										
		II	III	IV	V	VI	VII	VIII	IX	X	XI	Tot.
Leukas	Leukas	1	1	7	2							11
Leukimi	Corfou				2							2
Leuktra	Thebes			1	1							2
Levadia	Levadia			1								1
Levidi	Mantania		4	10	3							17
Lianokladi	Phthiotis			3	1							4
Lianover- ghion	Emathia		1									1
Lidoriki	Doris		2	5	1							8
Ligouri	Nauplia			3	1							4
Limin	Pedias			1								1
Limin-Va- theos	Samos		1									1
Limnae	Argos		1	1		1						3
Limnae	Mirampelon			1								1
Limni	Chalkis		1	3								4
Lithakia	Zante				1							1
Lithinae	Sitia		1	1								2
Livadi	Elasson			1								1
Livanatae	Lokris			2								2
Livartzi	Kalavryta				1							1
Lixouri	Pali		4	18	3							25
Longa	Pylia				1							1
Longanikon	Lakedaemon			1	1							2
Loukas	Mantinia		2	1								3
Louros	Nikopolis			1	1							2
Loussika	Patras		1	1	2							4
Loutra	Mitylene		1									1
Loutra-Ae- dipsou	Istiaea		1	2								3
Loutraki	Corinthia			3	2							5
Lyghia	Corinthia					1						1
Machaera- don	Zante			2	1							3
Magoula	Lakedaemon				1							1

Localities	Provinces	Intensities on Mercalli - Sieberg Scale										
		II	III	IV	V	VI	VII	VIII	IX	X	XI	Tot.
Magoulades	Corfou			1								1
Makrakomi	Phthiotis			2	1							3
Makriniada	Arta			2								2
Makrinitza	Volos		1	1								2
Makrykapa	Chalkis			1								1
Makrysia	Olympia		1	2								3
Malandreni	Argos						1					1
Maleme	Kydonia			1								1
Malesina	Lokris			2								2
Malia	Pedias		1									1
Mana	Corinthia					1						1
Mandoudi	Chalkis			1								1
Manolas	Elis			1	1							2
Maranto- chori	Leukas			1								1
Marathia	Doris			1								1
Marathon	Attica			1								1
Margaritio	Margaritio		1	1								2
Markopoulon												1
Mesogheon	Attica			1								1
Marmara	Dodoni				1		1					2
Marmarion	Karystia			1								1
Martinon	Lokris			1								1
Mataranga	Karditsa		1									1
Mataranga	Mesolonghi		1	4	1							6
Mati	Corinthia					1						1
Mavrochori	Kastoria			2	1							3
Mavroden- dri	Kozani		1									1
Mavromati	Thebes			2	2							4
Mavropota- mos	Karditsa			1								1
Mazaraki	Patras		2	2	2							6
Megala-Ka- lyvia	Trikala				1							1
Megalopo- lis	Megalopo- lis			1	1							2

Localities	Provinces	I n t e n s i t i e s on Mercalli - Sieberg Scale										
		II	III	IV	V	VI	VII	VIII	IX	X	XI	Tot.
Megalos-Valtos	Corinthia					1						1
Mega-Peristeri	Dodoni					1						1
Megara	Megaris			2		1						3
Megarchi	Trikala	1										1
Melampes	St.Vasilios		1									1
Melana	Kynouria					1						1
Melidoni	Mylopotamos				1							1
Melisopectra	Konitsa		1									1
Melivia	Aghia			2								2
Meropi	Messini			1								1
Mesenikolas	Karditsa				1							1
Mesolonghi	Mesolonghi		12	3								15
Messini	Messini		1	1								2
Messino	Corinthia					1						1
Metaxas	Kozani			1								1
Methana	Piraeus			1	1							2
Methoni	Pylia			2								2
Metochi	Patras				2							2
Metsovon	Metsovon			3	1							4
Michalitsi	Nikop.-Parga			1								1
Mikromani	Kalamae				1							1
Milatos	Mirampelon			1								1
Mileae	Volos			1								1
Milos	Milos			1								1
Mirousion	Karditsa			1								1
Molae	Epid.-Limiras			1								1
Molos	Lokris	1		1								2
Monastirakif	Vonitsa				1	1						2
Monastiri	Aeghialia					1						1
Mossia	Corinthia					1						1
Moudron	Lemnos	1	5									6

Localities	Provinces	I n t e n s i t i e s on Mercalli - Sieberg Scale										
		II	III	IV	V	VI	VII	VIII	IX	X	XI	Tot.
Mousata	Kranaea		1	6								7
Mouzaki	Karditsa				1							1
Mouzaki	Zante			1	1							2
Mykinae	Argos		1	4		1						6
Mykonos	Mykonos		1									1
Myra	Larissa				1							1
Myrina	Lemnos		12	13	2							27
Myrsini	Elis		1			1						2
Myrsini	Nikopolis-Parga			2								2
Myrtea	Trichonis				1							1
Mystras	Lakedaemon				2							2
Mytikas	Chalkis				1	1						2
Mytikas	Vonitsa			11	2							13
Mytilene	Mytilene			1								1
Naousa	Naousa				1							1
Naousa	Paros				1							1
Naupaktos	Naupaktos		1	4	1	1						7
Nauplion	Nauplia	1	1	2		1						5
Naxos	Naxos			1								1
Nea-Alikarnasos	Temenos			1								1
Nea-Anchiaros	Volos			1								1
Nea-Avorani	Trichonis				1	1	1					3
Nea-Chalkidon	Attica				1							1
Nea-Ephesos	Pieria				1							1
Nea-Epidavros	Nauplia		1			1						2
Nea-Erythraea	Attica						1					1

Localities	Provinces	Intensities on Mercalli - Sieberg Scale										
		II	III	IV	V	VI	VII	VIII	IX	X	XI	Tot.
St.-George Iolkou	Volos		1	1								2
St.-George Nilias	Volos			3								3
St.-George Rion	Patras			6	2							8
St.-Joannis	Lakedaemon			1								1
St.-Konstantinos	Lokris	1		1								2
St.-Konstantinos	Trichonis		1		1							2
St.-Lavrentios	Volos			2								2
St.-Loukas	Karystia			1	2							3
St.-Mathas	Corfou				1							1
St.-Myron	Malevizion			1								1
St.-Nikolaos	Chalkis			1								1
St.-Nikolaos	Kynouria		1	1	1							3
St.-Nikolaos	Mirampelon		1									1
St.-Pavlos	Salonica	1										1
St.-Petros	Leukas		3	3								6
St.-Pnevmas	Serrae			1								1
St.-Stephanos	Attica		3									3
St.-Theodore	Corinthia		2	3		1						6
St.-Thomas	Thebes			2								2
St.-Vasilios	Corinthia			3		1						4
St.-Vasilios	Levadia			1								1
St.-Vasilios	Trichonis		1									1

Localities	Provinces	Intensities on Mercalli - Siberg Scale										
		II	III	IV	V	VI	VII	VIII	IX	X	XI	Tot.
St.-Vlasios	Volos		1	1								2
Stadion	Mantinia	1	2	2		1						6
Stamata	Attica			1								1
Stamna	Mesolonghi			5	3							8
Stanos	Valtos		1	2								3
Stavros	Pharsala			1								1
Ste.-Anna	Chalkis		1	5								6
Ste.-Euthymia	Parnasis			4	1							5
Ste.-Paraskevi	Arta			1								1
Ste.-Paraskevi	Attica			2								2
Ste.-Paraskevi	Konitsa				1							1
Ste.-Trias	Levadia		2			1						3
Ste.-Varvara	Attica		1	1								2
Ste.-Varvara	Monophatsion				1							1
Ste.-Varvara	Patras					1						1
Stenon	Corinthia				1							1
Stephanoviki	Volos			2								2
Stimanga	Corinthia			3		1						4
Stomion	Corinthia				1							1
Stoumeika	Trikala					1						1
Strephi	Elis		3	2	1	1						7
Stylian	Corinthia						1					1
Stylis	Phthiotis			1								1
Stypsi	Mithymne		1	3								4
Styra	Karystia			1								1
Svoranata	Kranaea	1		1								2
Sykea	Elasson			1								1
Sykea	Epid.-Limiras				1							1

Localities	Provinces	I n t e n s i t i e s on Mercalli - Sieberg Scale										
		II	III	IV	V	VI	VII	VIII	IX	X	XI	Tot.
Sykeon	Corinthia			2	1							3
Sykourion	Larissa		1									1
Tanagra	Thebes				1							1
Tarsos	Corinthia				1							1
Taxiarchae	Karystia				1							1
Taxiarchis	Istiaea		1	1								2
Temeni	Aeghialia	1			3							4
Terovon	Dodoni		1	1								2
Tetrakomn	Arta			2								2
Thanos	Lemnos				1							1
Thebes	Thebes		1	3	1							5
Theopetra	Kalampaka				1							1
Thermon	Trichonis		1									1
Thesproti- kon	Nikopolis			2								2
Thisvi	Thebes			1	1							2
Tholeron	Corinthia					1						1
Thomaion	Larissa					1						1
Thouria	Kalamae			1								1
Thrapσανon	Pedias			1								1
Throphari	Corinthia							1				1
Thyrion	Vonitsa			3	1							4
Tinos	Tinos	1										1
Tirnavos	Tirnavos			3								3
Tirynta	Nauplia				1							1
Titani	Corinthia						1					1
Tithorea	Lokris		1	2								3
Toivasion	Larissa		1									1
Traganon	Elis		1	1	1							3
Tranovaltos	Kozani				1							1
Trikala	Trikala			1	1							2
Trikeri	Volos		1	1								2
Tripolis	Mantinia	1		1		1						3
Tripotamos	Megalopoli- lis			1								1
Tropaea	Gortynia			2	1							3

Localities	Provinces	I n t e n s i t i e s on Marcalli - Sieberg Scale										
		II	III	IV	V	VI	VII	VIII	IX	X	XI	Tot.
Trypiti	Milos			1								1
Tsouka	Phthiotis			1								1
Tympaki	Pyrghiotisa		1									1
Vaghia	Thebes							1				1
Valimitika	Aeghialia		1	3	1							5
Veltessi- nikon	Gortynia		2	2	2							6
Valtetsi	Mantinia							1				1
Vamos	Apokoronos		1		1							2
Vanari	Karditsa			1								1
Vardikousa	Elasson			1								1
Vartholo- mio	Elis			2	2							4
Varvasae- na	Elis			2				1				3
Vasilikon	Chalkis			1								1
Vasilitsi	Pylia		1									1
Vatolakos	Kydonia			1								1
Velestino	Volos		1	1								2
Velon	Corinthia			3	4			1				8
Velvendos	Kozani			2								2
Vevi	Florina		2	1								3
Vilia	Megarais			1								1
Vlachata	Kranaea		2	9	1							12
Vlachiotis	Epid.- Iimiras			1								1
Vlachoghi- anion	Elasson		1									1
Vlachoke- rassia	Mantinia			2				1				3
Vlachopou- lon	Pylia			1								1
Vogatsikon	Kastoria		1	1								2
Volimae	Zante			3	1			1				5
Volos	Volos			2								2
Vonitsa	Vonitsa			2	1							3

Localities	Provinces	Intensities on Mercalli - Sieberg Scale										
		II	III	IV	V	VI	VII	VIII	IX	X	XI	Tot.
Voukolia	Kissamos			3								3
Voulgareli	Arta			1								1
Vouliagmeni	Attica			1								1
Vounargos	Elis			4	2							6
Vounoplaghia	Dodoni				1							1
Vouprasi	Elis				1	1						2
Vrachasi	Mirampelon	1										1
Vrachati	Corinthia			3	2							5
Vrachneika	Patras			3	4							7
Vrachos	Nikop.- Parga	1				1						2
Vranganiotika	Corfou				1							1
Vrangiana	Karditsa				1							1
Vrasna	Langada			1								1
Vresthena	Lakedaemon	1				1						2
Vrondades	Chios			1								1
Vryssi	Karystia	1		6								7
Vyron	Attica			1								1
Vytina	Gortinia	1		7	2							10
Vyzikion	Gortynia	1		3								4
Xanthi	Xanthi		2									2
Xerokampion	Lakedaemon			1								1
Xylokastron	Corinthia			7	2	1						10
Xylokeras	Elis		1	1								2
Xylokeriza	Corinthia					1						1
Xyno-Nero	Florina		1									1

Localities	Provinces	Intensities on Mercalli - Sieberg Scale										
		II	III	IV	V	VI	VII	VIII	IX	X	XI	Tot.
Zacharo	Olympia		2	2	1							5
Zachlorou	Kalavryta			2								2
Zagliveri	Salonica		1									1
Zagora	Volos			2								2
Zante	Zante			1	1							2
Zarkos	Trikala				1							1
Zaros	Kaenour- ghion		1									1
Zarouchli	Kalavryta					1						1
Zeli	Lokris			1								1
Zemeno	Corinthia						1					1
Zevgaraki	Mesolonghi			2	1	1						4
Zevgolatio	Corinthia				1							1
Zevgolatio	Messini		1	2	1							4
Zitsa	Dodoni			1								1
		62	388	1273	439	111	16	5				2294

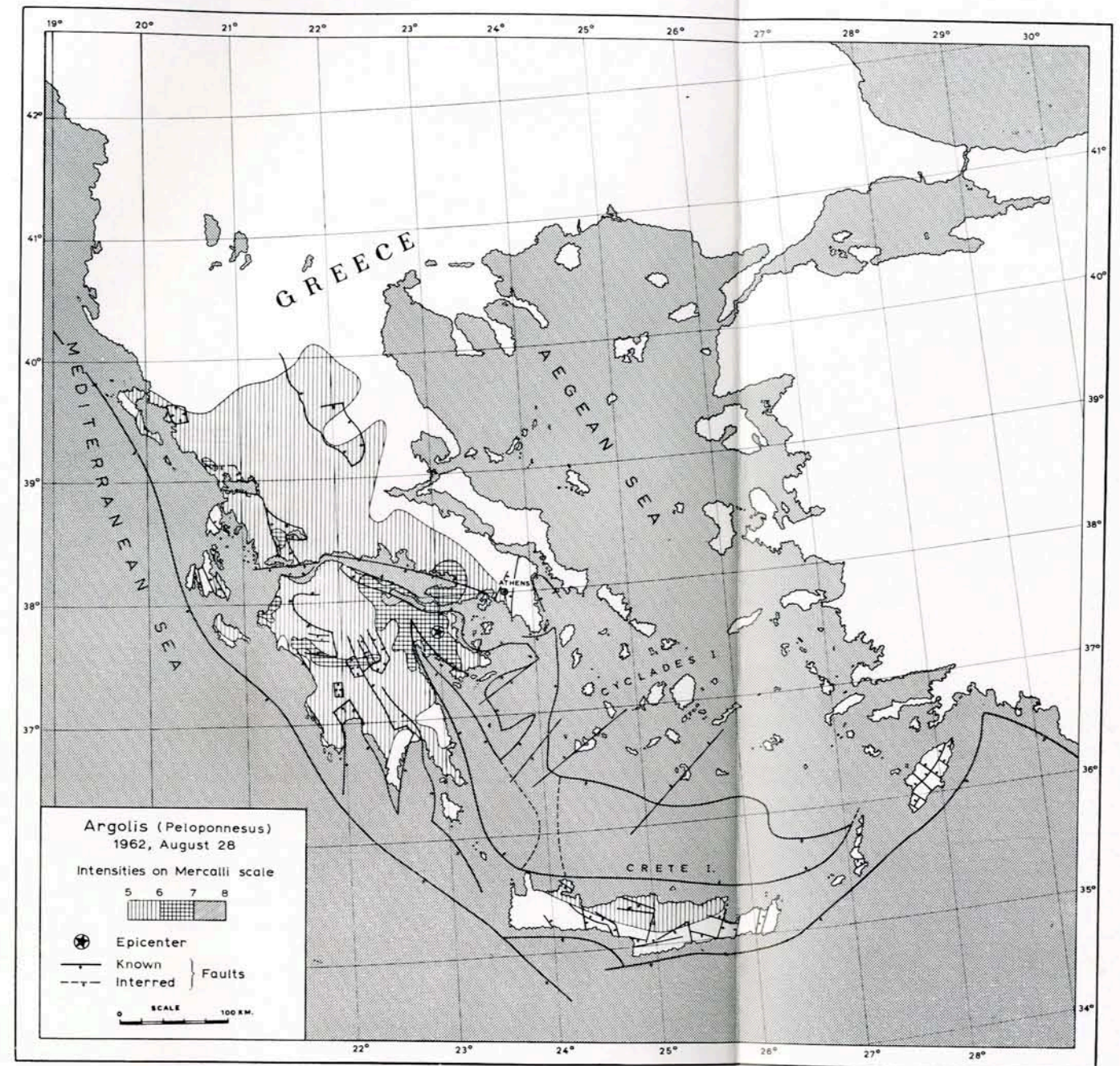


Fig. 2.—Intensity distribution in the area most strongly affected by the earthquake of August 28, 1962.

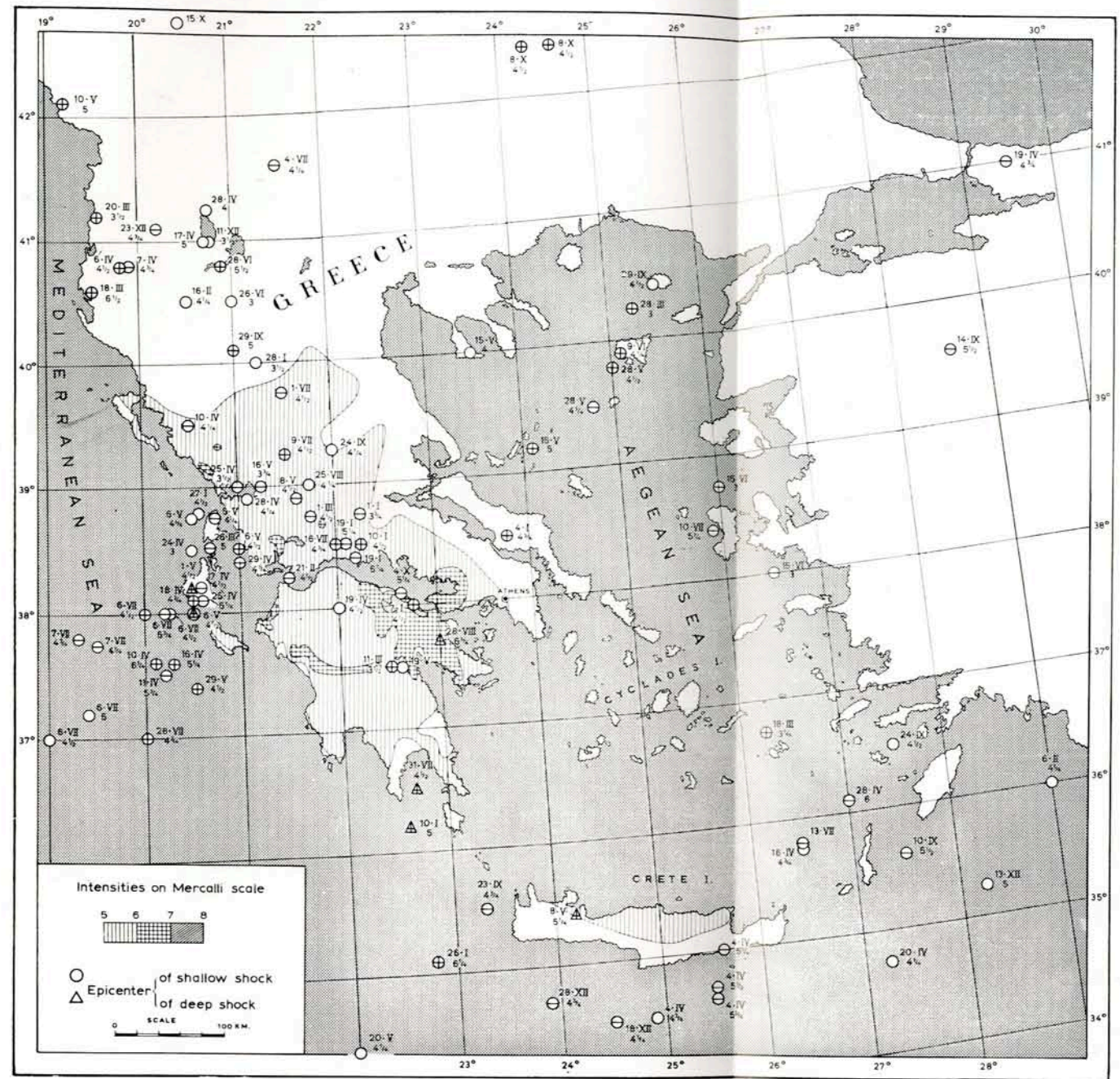


Fig. 3.—The Earthquake activity in the area of Greece in 1962.

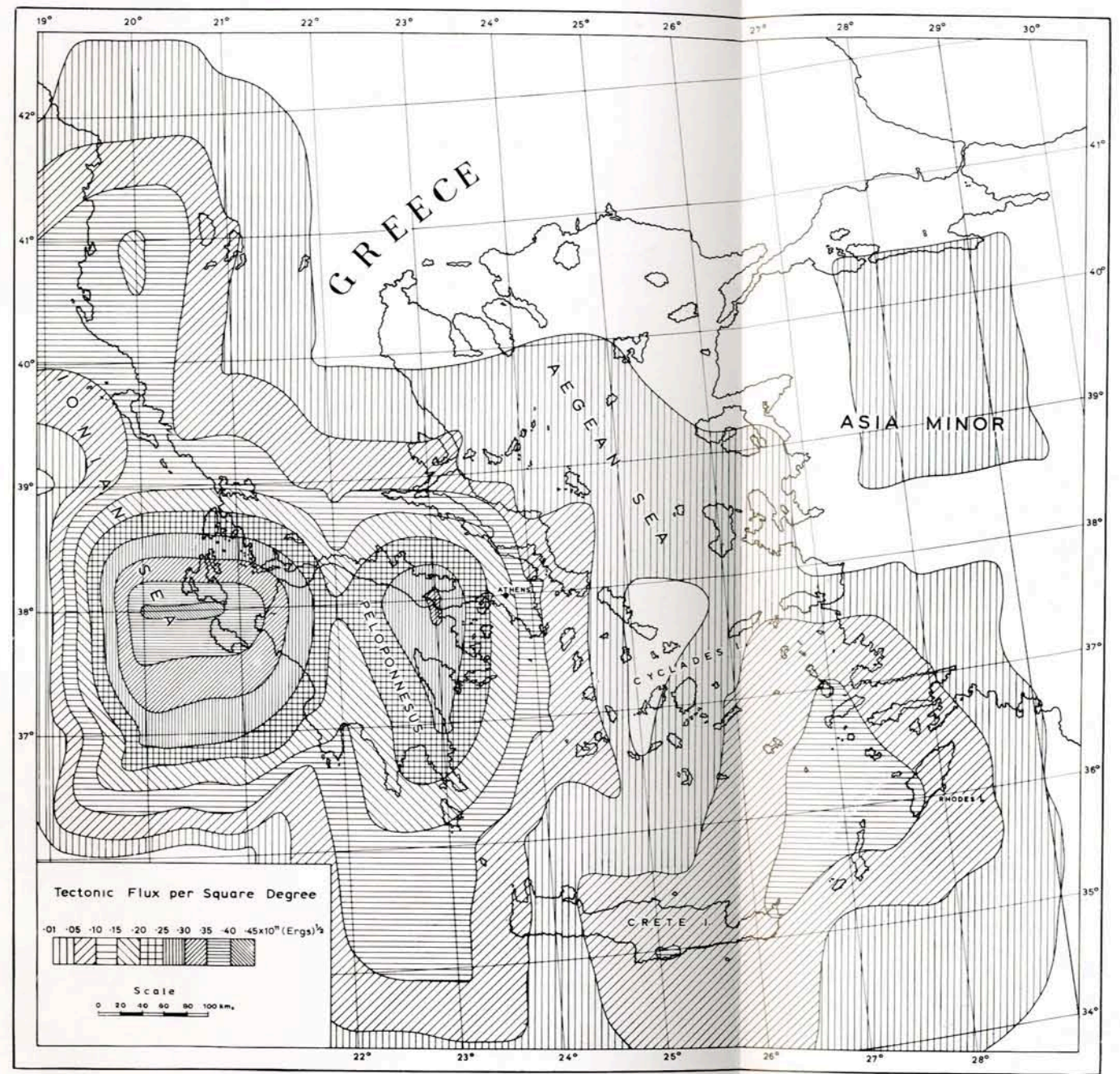


Fig. 4.—Strain Release Pattern in the area of Greece in 1962.