

NATIONAL OBSERVATORY OF ATHENS

Nº 15

SEISMOLOGICAL INSTITUTE

BULLETIN

1964



ATHENS 1974

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INTRODUCTION

Station Site: The geographic coordinates of the seismographic station in Athens are: 37°58'22" N and 23°43'0" E. The instruments are standing 95 m above mean-sea-level on Cretaceous Limestone.

The geographic coordinates of the seismographic station in Patras are: 38°14'11" N and 21°44'48". The instrument is standing 45 m above mean-sea-level on Alluvium.

Instruments: All the seismographs which were in operation in 1963 were also in operation in 1964.

On July 1963 a set of three components Hiller short period seismographs were installed in Athens.

The mean constants of all the instruments which were in operation in 1964 are in following table:

Type of Instruments	Period		Magnification		Damping ratio	Mass Kgr	Drum speed mm/min.
	Ts sec.	Tg sec.	at Ts	Static			
<u>Athens</u>							
Benioff (Z comp.)	1.0	0.75	12,500		17	107.5	60
" (N-S ")	1.0	0.75	12,500		17	107.5	60
" (E-W ")	1.0	0.75	12,500		17	107.5	60
Sprengnether (Z ")	30.0	100	1,500			11.2	30
" (N-S ")	30.0	100	1,500			10.75	30
" (E-W ")	30.0	100	1,500			10.75	30
Benioff (Z ")	1.0	0.25	10,000		17	100	60
Wiechert (Z ")	1.6			195	1.4	1,300	30.5±0.5
" (N-S ")	4.2			135	4.4	1,000	30.5±0.5
" (E-W ")	5.0			165	4.8	1,000	30.5±0.5
Mainka (N-S ")	2.8			60	2.5	135	30-32
" (E-W ")	3.5			60	4.7	135	30-32
Kritikos (N-S ")	2.1			4	3.4	40	38-42
Hiller (Z ")	1.2	0.25	5,000		10	1	60
" (N-S ")	1.2	0.25	5,000		10	1	60
" (E-W ")	1.2	0.25	5,000		10	1	60
<u>Patras</u>							
Wiechert (Z ")	3.2			100	2.8	80	29-31

4.

Presentation of Data: All times are Greenwich Mean Time, from midnight till midnight. The time is controlled by a Mercier 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 or Moscow 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 H. JEFFREYS and K.E. 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 epicentral distances of near shallow shocks ($\Delta < 500$ km.) were calculated by means of curves constructed by B. PAPAZACHOS, P. COMNINAKIS and J. DRAKOPOULOS (1966).

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

$$A = \frac{\alpha}{W}$$

where α the recorded amplitude in μ , and W the dynamical magnification derived from the formula:

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

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 I S C. The magnitude is given ordinarily according to Pasadena, Uppsala and U S C G S. Readings of local and short distance shocks are given separately in the second part. The readings from the station of Patras are denoted by an asterisk. The third section consists of two tables, one with the shocks felt in the area of Greece which

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have not been recorded and another table with the localities and the assigned intensities of felt shocks.

On the annexed map there are plotted the epicenters of near shocks located by B C I S or I S C 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 an initial compression in Athens and by - an initial delatation. In doubtful cases the symbols of the epicenters are not marked. Epicenters of probably deep shocks are marked by a triangle circumscribed. The date 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 reported, R , as entered in the Bulletin of the B C I S or I S C, 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 , or the shaken area, A , by means of the calibration formula :

$$M = 1.38 \log I_0 r^2 - 1.63$$

or the equivalent:

$$M = 1.38 \log A I_0 - 2.31$$

set up by the author.

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

$$\frac{r}{h} = 1.47 \cdot 10^{-1.5}$$

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.

One diagram and one maps show, respectively, the earthquake energy released per month, as well as the distribution of the epicenters, in the area of Greece in 1964.

Chronological Summary:

From the numerous seismic disturbances occurred in the area of Greece during the year 1964, 130 shocks were strong enough to be located by B C I S, U S C G S or I S C. The shocks came from 113 foci; 15 of them were of intermediate focal depth. Of the 130 foci located in 1964 38 foci released shocks of magnitude 4.7 or higher, and 32 of them were active for first time. Thus the total number of earthquake foci which released shocks of magnitude $M \geq 4.7$ in the area of Greece during the period 1710-1964 amount to 810.

Damages of VI to IX degree on Mercalli-Sieberg scale caused by 9 shocks were reported during the year 1964. The most severe of the damaging shocks was the shallow earthquake of 6 October of North-western Turkey ($40^{\circ}0N$, $28^{\circ}0E$). The shock was assigned an instrumental magnitude 7.0 and a macroseismic magnitude 7.1.

Damages of VII degree were reported from the Northern Sporades. The damages were caused by a shock on February 23 ($39^{\circ}3N$, $23^{\circ}7E$) of instrumental magnitude $5\frac{3}{4}$ and of macroseismic magnitude 6.2.

A shock of instrumental magnitude 3.8 seated in western Peloponnesus ($37^{\circ}6N$, $21^{\circ}6E$) produced damages of VII degree.

Damage of VI degree reported from Northern Sporades, Southern Bulgaria, Messinia, Lasithion and Elis was afflicted by shocks having occurred, respectively, on April 29 ($39^{\circ}1N$, $23^{\circ}8E$), July 4 ($41^{\circ}9N$, $23^{\circ}4E$), July 17 ($38^{\circ}0N$, $23^{\circ}5E$), August 17 ($35^{\circ}1N$, $26^{\circ}0E$) and September 3 ($37^{\circ}1/2N$, $21^{\circ}1/2E$).

Acknowledgements

Credit is due to the assistant of the Seismological Institute Mr. P. Cominakis for the reinterpretation of the seismic data, the preparing of the tables of felt shocks not recorded and of the intensities of the shocks felt in Greece, as well as for the diagram of the earthquake energy release per month and the map of earthquake activity of Greece observed in the area bounded by the Parallels of $34^{\circ}N$, and $42^{\circ}N$ and the Meridians of $19^{\circ}E$ and $29^{\circ}E$.

August 10, 1974.

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

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A. LONG DISTANCE SHOCKS.

<u>Date</u>	<u>Phase</u>	<u>Time</u>	<u>Additional Readings and Remarks.</u>
Jan. 1	eP eiS	17 39 13 C 49 41	Traces. $\Delta=9,440$ km. ~ 85 dg. Kurile Islands $45^{\circ}4'N$, $151^{\circ}9'E$.- $H=17:26:43.5$; h about 45 km. (USCGS). $M=6.3$ (Uppsala, Kiruna).
2	eiP	05 14 08 D	Traces. $\Delta=9,060$ km. ~ 81.5 dg. Kamchatka $53^{\circ}9'N$, $159^{\circ}6'E$.- $H=05:01:53.5$; h about 40 km. (USCGS). $M=4.9$ (USCGS, Cumberland Pl.).
5	eiP	23 59 13 CN	Very weak. $\Delta=10,000$ km. ~ 90 dg. Prince Edward Islands region $52^{\circ}3'S$, $28^{\circ}6'E$.- $H=23:46:10.7$; h about 33 km. (USCGS). $M=6.6$ (Uppsala, Kiruna).
6	eP	06 06 59	Traces. $\Delta=9,280$ km. ~ 83.5 dg. Ryukyu Islands $27^{\circ}2'N$, $127^{\circ}3'E$.- $H=05:54:42.7$; h about 110 km. (USCGS). $M=5.8$ (Uppsala, Kiruna, Port Moresby).
6	eiP	23 57 44 D	Traces. $\Delta=9,170$ km. ~ 82.5 dg. Kurile Islands $50^{\circ}9'N$, $157^{\circ}3'E$.- $H=22:45:23.4$; h about 33 km. (USCGS). $M=6.0$ (Kiruna, Uppsala).
9	eiP	18 44 21 C	Traces. $\Delta=9,390$ km. ~ 84.5 dg. Kurile Islands $45^{\circ}5'N$, $150^{\circ}9'E$.- $H=18:31:52.4$; h about 40 km. (USCGS). $M=5.9$ (Matsushiro).
10	eP eS	05 03 16 C 13 33	Traces. $\Delta=9,220$ km. ~ 83 dg. Near south Coast of Hokkaido, Japan $42^{\circ}0'N$, $142^{\circ}6'E$.- $H=04:50:53.4$; h about 33 km. (USCGS). $M=6.2$ (Uppsala, Kiruna).

10.				11.			
Date	Phase	Time	Additional Readings and Remarks.	Date	Phase	Time	Additional Readings and Remarks.
Jan. 10	eP	17.09 52 C	Traces. $\Delta=9,330$ km. ~ 84 dg. Kurile Islands $45^{\circ}4'N$, $150^{\circ}0'E$. - $H=16:57:26.5$; h about 50 km. (USCGS). $M=5.4$ (USCGS, Cumberland Pl.).	Jan. 17	eP	03 32 08 C	Traces. $\Delta=4,170$ km. ~ 37.5 dg. Hindu Kush $36^{\circ}8'N$, $71^{\circ}4'E$. - $H=03:25:00.6$; h about 94 km. $M=5.2$ (USCGS).
12	eS	06 23 44	Traces. $\Delta=9,780$ km. ~ 88 dg. Fox Islands, Aleutian Islands $53^{\circ}2'N$, $166^{\circ}3'W$. - $H=06:00:13.2$; h=33 km. (USCGS). $M=5.5$ (Berkeley, USCGS, Cumberland Pl., Blaeksburgh).	18	eP	12 16 54 C	Very weak. $\Delta=9,000$ km. ~ 81 dg. Formosa $23^{\circ}1'N$, $120^{\circ}5'E$. - $H=12:04:40$; h about 33 km. (USCGS). $M=6\frac{3}{4}$ (Pasadena).
12	eS	12 54 41	Traces. $\Delta=2,440$ km. ~ 22 dg. Western Iran $31^{\circ}6'N$, $49^{\circ}2'E$. - $H=12:45:51$; h about 55 km. (BCIS). $M=5.2$ (USCGS).	18	eP	22 48 25	Traces. $\Delta=9,000$ km. ~ 81 dg. Dominican Republic $18^{\circ}8'N$, $69^{\circ}4'W$. - $H=22:36:17.6$; h about 95 km. (USCGS). $M=5.8$ (Uppsala, Kiruna, Uinta B).
14	eiP	01 23 27	Traces. $\Delta=9,060$ km. ~ 81.5 dg. Near east coast of Kamchatka $52^{\circ}9'N$, $159^{\circ}6'E$. - $H=01:11:12.6$; h about 50 km. $M=4.9$ (USCGS).	19	eP	09 19 41 D	Traces. $\Delta=3,060$ km. ~ 27.5 dg. Near coast of southern Iran $26^{\circ}9'N$, $54^{\circ}0'E$. - $H=09:13:53.5$; h about 33 km. $M=5.6$ (USCGS).
14	e(PF)	15 58 31	Traces. $\Delta=13,560$ km. ~ 122 dg. Near north coast of New Britain $5^{\circ}2'S$, $150^{\circ}8'E$. - $H=15:38:13.8$; h about 169 km. (USCGS). $M=5.6$ (USCGS, Blue M, Eureka, Nhatrang).	20	ei!PKP	17 28 00 D	Very weak. $\Delta=16,220$ km. ~ 146 dg. New Hebrides $20^{\circ}7'S$, $169^{\circ}9'E$. $H=17:08:37.3$; h about 141 km. (USCGS). $M=6\frac{3}{4}$ (Pasadena).
15	eP	21 49 02 C	Traces. $\Delta=10,110$ km. ~ 91 dg. South of Honshu, Japan $29^{\circ}1'N$, $140^{\circ}8'E$. - $H=21:36:05.0$ h about 70 km. (USCGS). $M=6.9$ (Uppsala, Kiruna).		e*PKP	17 28 06	Traces. $\Delta=16,390$ km. ~ 147.5 dg.
17	ePKP	03 14 04 C	Traces. $\Delta=16,280$ km. ~ 146.5 dg. Loyalty Islands region $21^{\circ}6'S$, $169^{\circ}9'E$. - $H=02:54:26.8$; h about 33 km. (USCGS). $M=5\frac{3}{4}-6$ (Matsushiro).	22	eP	16 08 51	Traces. $\Delta=6,780$ km. ~ 61 dg. Burma $22^{\circ}4'N$, $93^{\circ}6'E$. - $H=15:58:46.5$; h about 88 km. (USCGS). $M=5.1$ (Quetta, USCGS).
				23	ePKP	00 18 57 C	Traces. $\Delta=15,440$ km. ~ 139 dg. New Hebrides $13^{\circ}7'S$, $165^{\circ}9'E$. $H=23:59:43.6$; h about 33 km. (USCGS). $M=6\frac{1}{2}$ (Pasadena).
				24	Ep	17 28 45	Traces. $\Delta=8,610$ km. ~ 77.5 dg. Near east coast of Korea $38^{\circ}7'N$, $129^{\circ}4'E$. - $H=17:17:45.5$; h about 542 km. (USCGS). $M=6.0$ (Uppsala, Kiruna).

12.

Date	Phase	Time	Additional Readings and Remarks.
Jan. 24	eP	21 44 12	Traces. $\Delta = 9,440$ km. ~ 85 dg. Kurile Islands region $44^{\circ}5'N$, $150^{\circ}3'E$.- $H=21:31:24.2$; h about 33 km. $M=4.7$ (USCGS).
24	eiP	22 56 44 D	Traces. $\Delta = 9,830$ km. ~ 88.5 dg. Java $7^{\circ}1'S$, $106^{\circ}0'E$.- $H=22:44:01.0$; h about 94 km. $M=5.5$ (USCGS).
26	eP	09 23 26 C	Very weak. $\Delta = 11,560$ km. ~ 104 dg. Southern Peru $16^{\circ}3'S$, $71^{\circ}7'W$.- $H=09:09:33.9$; h about 116 km. (USCGS). $M=6\frac{3}{4}$ (Pasadena).
27	eiP ei(S)	01 21 45 C 29 20	Traces. $\Delta = 6,000$ km. ~ 54 dg. Mid-Atlantic Ocean $0^{\circ}0'S$, $17^{\circ}9'W$.- $H=01:12:23.5$; h about 33 km. $M=5.3$ (USCGS).
28	i!P eiS	14 16 11 CW 21 49	Weak. $\Delta = 4,170$ km. ~ 37.5 dg. Hindu Kush $36^{\circ}5'N$, $70^{\circ}9'E$.- $H=14:09:17.1$; h about 207 km. (USCGS). $M=6\frac{3}{4}$ (Pasadena, Roma).
	e*P	14 16 22	Traces. $\Delta = 4,280$ km. ~ 38.5 dg.
30	eP ePP eiPPP eiS eiSS ei!SSS e*P	17 47 07 15N 24 48 03 21 32 17 47 35	$A_n=20 \mu$. $T_n=4$ sec., $A_e=40 \mu$, $T_e=6.4$ sec., $\Delta = 550$ km. ~ 4.9 dg. $M=5.6$ (Athens). Turkey $37^{\circ}4'N$, $29^{\circ}9'E$.- $H=17:45:55$; h about 40 km. (USCGS). $M=5.5$ (Quetta, Kiruna, Uppsala, Strasbourg). Traces. $\Delta = 730$ km. ~ 6.6 dg.
30	e?(P) eiS	17 53 32 54 31	Traces. $\Delta = 560$ km. ~ 5 dg. Probably aftershock. Turkey about $37^{\circ}1'2'N$, $30^{\circ}0'E$.- $H=17:52:22$ (BCIS).

13.

Date	Phase	Time	Additional Readings and Remarks.
Feb. 2	eP e(SKS)	09 07 05 17 17	Traces. $\Delta = 9,110$ km. ~ 82 dg. Formosa region $24^{\circ}2'N$, $122^{\circ}6'E$.- $H=08:54:48.3$; h about 28 km. (USCGS). $M=6$ (Kiruna, Uppsala).
4	e	16 06. 7	Traces.
5	eP e(PP)	11 42 52 C 46 12	Traces. $\Delta = 9,560$ km. ~ 86 dg. Near east coast of Honshu, Japan $36^{\circ}4'N$, $140^{\circ}9'E$.- $H=11:30:16.2$; h about 52 km. (USCGS). $M=6\frac{3}{4}$ (Pasadena).
5	ePKP	11 54 26	Traces. $\Delta = 16,940$ km. ~ 152.5 dg. Fiji Islands region $19^{\circ}7'S$, $179^{\circ}8'W$.- $H=11:35:18.6$; h about 414 km. $M=5.5$ (USCGS).
6	iP eiPP ei!SKS eiS i!!SKKS	13 20 07 C 23 31 30 32 33 38	Weak. $\Delta = 9,610$ km. ~ 86.5 dg. South of Alaska $55^{\circ}7'N$, $155^{\circ}8'W$.- $H=13:07.25.2$; h about 33 km. (USCGS). $M=6\frac{3}{4}-7$ (Pasadena, JMA, Palisades).
	e*P	13 20 10	Traces. $\Delta = 9,670$ km. ~ 87 dg.
7	e	13 22.1	Traces. $\Delta = 9,390$ km. ~ 84.5 dg. Off east coast of Honshu, Japan $39^{\circ}8'N$, $142^{\circ}8'E$.- $H=12:58:53.6$; h about 45 km. $M=5.4$ (USCGS).
9	ePKP	02 19 03 D	Traces. $\Delta = 16,720$ km. ~ 150.5 dg. Fiji Islands region $16^{\circ}5'S$, $179^{\circ}2'W$.- $H=02:00:07.3$; h about 480 km. (USCGS). $M=5.3$ (Eureka, USCGS).
9	eP	06 11 23	Traces. $\Delta = 1,830$ km. ~ 16.5 dg. Red Sea $25^{\circ}6'N$, $36^{\circ}4'E$.- $H=06:07:30$; h about 33 km. (USCGS).

14.

Date	Phase	Time	Additional Readings and Remarks.
Feb. 12	eP	08 24 41	Traces. $\Delta=2,560$ km. ~ 23 dg. Turkmen S.S.R. $39^{\circ}08'N$, $53^{\circ}4'E$.- H=08:19:24.1; h about 33 km. (USCGS). M=4.5 (College).
12	ePPS eSS	21 02 49 08 02	Traces. $\Delta=13,060$ km. ~ 117.5 dg. Admiralty Islands region $3^{\circ}5'S$, $146^{\circ}6'E$.- H=20:31:53.2; h about 33 km. M=5.4 (USCGS).
12	ePKP ₁ ePP	22 53 57 57 46	Traces. $\Delta=16,890$ km. ~ 152 dg. Tonga Islands $15^{\circ}3'S$, $174^{\circ}4'W$.- H=22:33:59.2; h about 33 km. M=5.0 (USCGS).
13	e	10 30.3	Traces. $\Delta=6,060$ km. ~ 54.5 dg. Yunnan Province, China $26^{\circ}1'N$, $100^{\circ}9'E$.- H=10:03:50.6; h about 33 km. (USCGS). M=4.7 (USCGS, College).
13	eP	14 00 36	Traces. $\Delta=4,220$ km. ~ 38 dg. Tadzhik S.S.R. $39^{\circ}4'N$, $72^{\circ}7'E$.- H=13:53:31.1; h about 144 km. (USCGS).
14	ePP	16 50 15 D	Traces. $\Delta=13,610$ km. ~ 122.5 dg. New Britain $5^{\circ}1'S$, $151^{\circ}7'E$.- H= 16:29:45; h about 55 km. (USCGS). M=6 $\frac{3}{4}$ (Pasadena).
17	e	12 27.1	Traces. $\Delta=1,610$ km. ~ 14.5 dg. Switzerland $46^{\circ}57'N$, $8^{\circ}13'E$.- H=12:19:01 (BCIS). M=4.6 (Wichi- ta M, USCGS).
18	ePKP	05 02 09	Traces. $\Delta=16,890$ km. ~ 152 dg. Tonga Islands $15^{\circ}5'S$, $175^{\circ}0'W$.- H=04:42:47.7; h about 289 km. (USCGS). M=4.8 (Tonto Forest, USCGS).

15.

Date	Phase	Time	Additional Readings and Remarks.
Febr. 18	e	12 44.4	Traces. $\Delta=4,440$ km. ~ 40 dg. Azores $39^{\circ}0'N$, $28^{\circ}6'W$.- H=12:19:22 (BCIS). M=4.6 (USCGS).
24	ePKP	20 18 41	Traces. $\Delta=16,060$ km. ~ 144.5 dg. New Hebrides Islands $19^{\circ}2'S$, $169^{\circ}4'E$.- H=19:59:33.7; h about 244 km. M= 4.7 (USCGS, College, Uinta B).
25	eP	00 46 57	Traces. $\Delta=9,220$ km. ~ 83 dg. Prince Edward Island region $44^{\circ}7'S$, $37^{\circ}5'E$.- H=00:34:32.0; h about 33 km. (USCGS). M=6.7 (USCGS, Mun- daring).
27	eP eS	15 21 00 29 18	Traces. $\Delta=6,890$ km. ~ 62 dg. Central Burma $21^{\circ}7'N$, $94^{\circ}4'E$.- H=15:10:48.8; h about 102 km. M=6.4 (USCGS).
28	eP	17 57 36	Traces. $\Delta=7,110$ km. ~ 6.4 dg. Near west coast of Burma $18^{\circ}2'N$, $94^{\circ}3'E$.- H=17:47:05.9; h about 43 km. (USCGS). M=5.3 (USCGS, Nhatrang).
29	ePP eSKS	15 36 25 C 43 22	Traces. $\Delta=9,720$ km. ~ 87.5 dg. Off east coast of Honshu, Japan $34^{\circ}8'N$, $141^{\circ}7'E$.- H=15:20:12.8; h about 34 km. M=5.1 (USCGS).
Mar. 2	ePP	19 56 26	e 52:47. Traces. $\Delta=17,220$ km. \sim 155 dg. Tonga Islands $18^{\circ}9'S$, $174^{\circ}8'W$.- H=19:32:41.7; h about 105 km. M=5.3 (USCGS).
4	e	03 17.8	Traces.

16.

Date	Phase	Time	Additional Readings and Remarks.
Mar. 4	ePKP	03 36 59 C	Traces. $\Delta=16,170$ km. ~ 145 dg. Loyalty Islands $20^{\circ}9'S$, $168^{\circ}6'E$.- $H=03:17:22.7$; h about 33 km. (USCGS). $M=4.6$ (USCGS, Port Moresby, Blue M).
5	e	06 52.0	Traces. $\Delta=11,720$ km. ~ 105.5 dg. Indian Ocean, east of Kerguelen Islands $45^{\circ}2'S$, $96^{\circ}4'E$.- $H=06:00:41.3$; h about 40 km. (USCGS). $M=5.5$ (USCGS, Mundaring).
7	e	08 02.0	Traces. $\Delta=4,000$ km. ~ 36 dg. Jan Mayen Island region $71^{\circ}4'N$, $1^{\circ}5'W$.- $H=07:44:08$ (BCIS). $M=4.5$ (USCGS, Murmijaervi).
7	e	10 53.0	Traces. $\Delta=3,890$ km. ~ 35 dg. Jan Mayen Island region $70^{\circ}8'N$, $2^{\circ}4'E$.- $H=09:58:57.1$; h about 33 km. (USCGS). $M=4.4$ (Uinta B).
8	ePKP	01 55 41,6 D	Traces. $\Delta=17,000$ km. ~ 153 dg. South Island, New Zealand $44^{\circ}0'S$, $168^{\circ}4'E$.- $H=01:35:48.1$; h about 33 km. $M=5.6$ (USCGS).
11	e	01 30.0	Traces. $\Delta=10,110$ km. ~ 91 dg. Noluca Passage $1^{\circ}8'N$, $127^{\circ}1'E$.- $H=01:06:00.4$; h about 58 km. (USCGS). $M=5.6$ (USCGS, Port Moresby).
12	e	04 57.3	Traces. $\Delta=9,110$ km. ~ 82 dg. Formosa $23^{\circ}4'N$, $121^{\circ}6'E$.- $H=03:55:14.0$; h about 33 km. $M=5.2$ (USCGS).
12	eSKS	22 56.15	e 48:31. Traces. $\Delta=9,890$ km. ~ 89 dg. Near South coast of Luzon, Philippine Islands $13^{\circ}5'N$, $122^{\circ}9'E$.- $H=22:32:56.7$; h about 33 km. (USCGS). $M=5.9$ (Kiruna, Uppsala, Adelaide).

17.

Date	Phase	Time	Additional Readings and Remarks.
Mar. 14	eP	02 40 49 D	Traces. $\Delta=1,610$ km. ~ 14.5 dg. Switzerland $46^{\circ}57'N$, $8^{\circ}17'E$.- $H=02:37:22$ (BCIS). $M=4.7$ (USCGS).
14	iP	15 24 19 C	Traces. $\Delta=8,390$ km. ~ 75.5 dg. Leeward Island region $15^{\circ}9'N$, $60^{\circ}5'W$.- $H=15:12:22.4$; h about 31 km. $M=5.4$ (USCGS).
14	ePS	16 53 31	Traces. $\Delta=5,780$ km. ~ 52 dg. Mid-Atlantic Ocean $1^{\circ}9'S$, $12^{\circ}9'W$.- $H=16:36:52.1$; h about 33 km. (USCGS). $M=5.4$ (USCGS, Cumberland Pl.).
14	ePPS	19 00 25	Traces. $\Delta=5,780$ km. ~ 52 dg. Mid-Atlantic Ocean $1^{\circ}8'S$, $13^{\circ}2'W$.- $H=18:43:27.4$; h about 33 km. (USCGS). $M=4.7$ (USCGS, Nurmijaervi).
14	eSS	23 07 46	Traces. $\Delta=1,390$ km. ~ 12.5 dg. Turkey $38^{\circ}5'N$, $39^{\circ}7'E$. $H=23:02:07$ (BCIS). $M=4 \frac{1}{2}$ (Moscow).
15	eP	20 56 35	Traces. $\Delta=590$ km. ~ 5.3 dg. Bulgaria $42^{\circ}8'N$, $26^{\circ}4'E$.- $H=20:55:22$ (BCIS). $M=4$ (Sofia).
15	e*P eiP i;S	22 35 06 22 35 49 CE 40 08	Traces. $\Delta=2,610$ km. ~ 23.5 dg. $A_n=2\mu$, $T_n=2$ sec., $A_e=6\mu$, $T_e=3.2$ sec., $\Delta=2,780$ km. ~ 25 dg. $M=6.4$ (Athens). West of Strait of Gibraltar $36^{\circ}0'N$, $7^{\circ}5'W$.- $H=22:30:28$ (BCIS). $M=6.9$ (Pasadena).
16	eiP	01 14 52 C	Traces. $\Delta=6,170$ km. ~ 55.5 dg. Tsinghai Province, China $36^{\circ}9'N$, $95^{\circ}5'E$.- $H=01:05:17.6$; h about 33 km. (USCGS). $M=5.9$ (USCGS, Moundaring).

18.

Date	Phase	Time	Additional Readings and Remarks
Mar. 16	eP	08 56 43	e? 56:42. Traces. $\Delta = 9,220$ km. ~ 83 dg. Kurile Islands $44^{\circ}08'N$, $146^{\circ}08'E$. - H=08:44:32.8; h about 140 km. M=5.7 (USCGS).
18	eP epP eiS	04 48 49 IN 50 23 58 14	Very weak. $\Delta = 8,890$ km. ~ 80 dg. Sea of Okhotsk $52^{\circ}5'N$, $153^{\circ}06'E$. - H=04:37:26.9; h about 440 km. (USCGS). M=6.5 (Pasadena, Tacubaya)
	e*P	04 48 53	Traces. $\Delta = 8,940$ km. ~ 80.5 dg.
19	eP ePP eS eSS	09 49 44 51 13 55 35 58 10	Traces. $\Delta = 4,110$ km. ~ 37 dg. Arabian Sea $14^{\circ}07'N$, $56^{\circ}3'E$. - H=09:42:34.9; h about 33 km. (USCGS). M=5 $\frac{1}{4}$ (Moscow).
19	eP	22 03 50	Traces. $\Delta = 17,000$ km. ~ 153 dg. Samoa Islands region $15^{\circ}1'S$, $172^{\circ}06'W$. - H=21:44:03.6; h about 33 km. (USCGS). M=6.5 (Pasadena).
20	eP eSKS	03 55 49 04 05 51	Very weak. $\Delta = 11,670$ km. ~ 105 dg. Banda Sea $6^{\circ}4'S$, $127^{\circ}9'E$. - H=03:42:19.6; h about 367 km. (USCGS). M=7-7 $\frac{1}{4}$ (Pasadena).
21	eFS	15 35 50	Traces. $\Delta = 11,620$ km. ~ 104.5 dg. Near coast of Michoacan, Mexico $18^{\circ}7'N$, $103^{\circ}1'W$. - H=15:08:14.3; h about 83 km. (USCGS). M=5.0 (USCGS, Blacksburgh).
22	eP	01 04 51	Traces. $\Delta = 9,000$ km. ~ 81 dg. Near east coast of Kamchatka $54^{\circ}0'N$, $160^{\circ}5'E$. - H=00:52:38.8; h about 30 km. (USCGS). M=5.0 (Moscow, USCGS).
22	ePS	09 04 30	Traces. $\Delta = 12,830$ km. ~ 115.5 dg. Near coast of central Chili $35^{\circ}7'S$,

19.

Date	Phase	Time	Additional Readings and Remarks.
Mar. 22			$72^{\circ}9'W$. - H=08:35:06.4, h about 33 km. (USCGS). M=5.1 (USCGS, Wichita M).
23	eS	13 53 30	e 48:15. Traces. $\Delta = 4,330$ km. ~ 39 dg. Hindu Kush $38^{\circ}3'N$, $73^{\circ}7'E$. - H=13:40:26.3; h about 126 km. M=5.4 (USCGS).
24	eiPP	10 12 52	Traces. $\Delta = 1,560$ km. ~ 14 dg. Eastern Turkey about $38^{\circ}0'N$, $41^{\circ}9'E$. - H=10:09:20 (BCIS).
25	ePKP1	15 52 00	Traces. $\Delta = 16,110$ km. ~ 145 dg. Loyalty Islands region $20^{\circ}1'S$, $168^{\circ}8'E$. - H=15:32:26.0; h about 33 km. M=4.7 (USCGS).
26	eSKS	02 29 05	Traces. $\Delta = 11,610$ km. ~ 104.5 dg. South Mariannes Island $11^{\circ}3'N$, $142^{\circ}0'E$. - H=02:04:20.2; h about 33 km. (USCGS). M=5 $\frac{3}{4}$ (Pasadena).
26	ePS	14 00 23	Traces. $\Delta = 13,610$ km. ~ 122.5 dg. Off southwest of Galapagos Islands $4^{\circ}4'S$, $104^{\circ}7'W$. - H=13:29:56.2; h about 33 km. (USCGS). M=5 $\frac{3}{4}$ (Pasadena).
27	e(P)	04 41 05	Traces. $\Delta = 6,780$ km. ~ 61 dg. Northern Burma $25^{\circ}9'N$, $95^{\circ}8'E$. - H=04:30:33; h about 93 km. M=5.4 (USCGS).
27	ePKP	20 41 14	Traces. $\Delta = 17,220$ km. ~ 155 dg. South of Fiji Islands $23^{\circ}7'S$, $179^{\circ}9'E$. - H=20:22:10.6; h about 520 km. M=5.0 (USCGS).
28	e*PS eP iPPS	03 59 28 03 48 26 59 48	Weak. $\Delta = 8,940$ km. ~ 80.5 dg. An=2,185 μ , Tn=23 sec., Ae=2,360 μ , Te=23 sec., $\Delta = 9,000$ km. ~ 81 dg.

20.

Date	Phase	Time	Additional Readings and Remarks.
Mar. 28			M=8.4 (Athens). South of Alaska 61°0N, 147°8W.- H=03:36:14.2; h about 33 km. (USCGS). M=8.4 (Taubaya, Pasadena). 114 dead or missing, many injured and major property damage in Alaska. Extensive damage from seismic sea waves throughout the Gulf of Alaska, along the west coast of North America and in Hawaii.
28	eP	05 06 29	Traces. $\Delta=9,170$ km. ~ 82.5 dg. Peninsula of Kenai, Alaska 59°8N, 149°4W.- H=04:54:07.9; h about 25 km. (USCGS). M=6.1 (USCGS, Tonto Forest).
28	eP	05 18 02	Traces. $\Delta=9,440$ km. ~ 85 dg. Alaska region.- H=05:05.4 (BCIS).
28	eiP	05 46 12	Traces. $\Delta=9,060$ km. ~ 81.5 dg. South of Alaska 60°2N, 146°3W.- H=05:33:53 (BCIS). M=6.0 (Uppsala, Kiruna, Kobenhavn).
28	eP	05 48 13	Traces. $\Delta=9,440$ km. ~ 85 dg. Kodiak Island region 57°4N, 152°9W.- H=05:35:39 (BCIS). M=6.4 (Uppsala, Kiruna).
28	e	06 13 08	Traces. Alaska.- H=05:59.1 (BCIS).
28	eP	06 21 04	Traces. $\Delta=9,110$ km. ~ 82 dg. Peninsula of Kenai, Alaska 60°1N, 148°6W.- H=06:08:44.2; h about 20 km. (USCGS). M=6.1 (Uppsala, Kiruna).
28	eP	06 53 49	Traces. $\Delta=9,110$ km. ~ 82 dg. Gulf of Alaska 59°9N, 147°8W.- H=06:41:28.0; h about 15 km. (USCGS). M=5.5 (USCGS, Cumberland Pl).

21.

Date	Phase	Time	Additional Readings and Remarks.
Mar. 28	eiP	06 56 27	Traces. $\Delta=9,330$ km. ~ 81 dg. Kodiak Island region 58°3N, 151°3W. H=06:43:57.4; h about 25 km. (USCGS). M=6.1 (Georgetown, Kevo, USCGS).
28	eP	07 06 03	Traces. $\Delta=9,280$ km. ~ 83.5 dg. Gulf of Alaska 58°8N, 149°5W. H=06:53:35.6; h about 20 km. (USCGS). M=5.9 (Uppsala, Kiruna).
28	eP	07 22 49 D	Traces. $\Delta=9,280$ km. ~ 83.5 dg. Gulf of Alaska 58°8N, 149°5W.- H=07:10:21.4; h about 20 km. (USCGS). M=6.2 (Port Moresby, Pasadena, Kobenhavn).
28	eP	07 43 06 C	Traces. $\Delta=9,440$ km. ~ 85 dg. Kodiak Island region 57°3N, 151°7W.- H=07:30:29.6; h about 15 km. (USCGS). M=6.4 (Uppsala, Kiruna).
28	eP	08 46 19	Traces. $\Delta=9,330$ km. ~ 84 dg. Kodiak Island region 58°1N, 151°1W. H=08:33:47.0 (USCGS). M=5.6 (Uinta B, Blue M, USCGS).
28	eP	08 52 29	Traces. $\Delta=9,440$ km. ~ 85 dg. Kodiak Island region 57°5N, 151°6W.- H=08:39:54.9; h about 20 km. (USCGS). M=5.4 (USCGS, Tonto Forest).
28	eiP	09 13 40 D	Traces. $\Delta=9,500$ km. ~ 85.5 dg. Kodiak Island region 56°5N, 152°0W.- H=09:01:00.5; h about 20 km. (USCGS). M=6.2 (Pasadena, Kobenhavn, Georgetown, Cumberland Pl.).
28	eP	09 26 27	Traces. $\Delta=9,220$ km. ~ 83 dg. Peninsula of Kenai, Alaska 59°4N,

22.

Date	Phase	Time	Additional Readings and Remarks.
Mar. 28			151°2W.- H=09:13:56.6; h about 35 km. (USCGS). M=5.2 (USCGS, Uinta B, Blue M).
28	eP	10 05 15	Traces. $\Delta=9,170$ km. ~ 82.5 dg. Gulf of Alaska 59°7N, 146°6W.- H=09:52:55.7; h about 30 km. (USCGS). M=6.2 (Pasadena, Matsu-shiro).
28	eP	10 48 12	Traces. $\Delta=9,440$ km. ~ 85 dg. Kodiak Island region 57°2N, 152°4W.- H=10:35:38.9; h about 33 km. (USCGS). M=6.3 (Kew, NurmiJaervi, Pasadena).
28	eP	11 20 47	Traces. $\Delta=9,110$ km. ~ 82 dg. Peninsula of Kenai, Alaska 60°1N, 148°4W.- H=11:08:26.0; h about 15 km. (USCGS). M=5.6 (Pasadena).
28	eP	11 43 22	Traces. $\Delta=10,720$ km. ~ 96.5 dg. Northern Celebes 0°5N, 122°3E.- H=11:30:09.8; h about 140 km. (USCGS). M=6.2 (Uppsala, Kiruna).
28	eP	12 15 36	Traces. $\Delta=9,000$ km. ~ 81 dg. South of Alaska 60°3N., 146°6W.- H=12:03:16.5; h about 15 km. (USCGS). M=5.4 (Blue M. Tonto Forest, Tucson, USCGS).
28	eP	12 33 28 D	Very weak. $\Delta=9,560$ km. ~ 86 dg. Kodiak Island region 56°5N, 154°0W.- H=12:20:49.8 h about 25 km. (USCGS). M=6.5 (Pasadena, Moscow, Georgetown).
28	eP	13 13 33	Traces. $\Delta=9,110$ km. ~ 82 dg. South of Alaska 60°1N, 147°0W.- H=13:01:14.2; h about 20 km. (USCGS). M=5.1 (USCGS, Seattle).

23.

Date	Phase	Time	Additional Readings and Remarks.
Mar. 28	eP	14 59 56	Traces. $\Delta=9,000$ km. ~ 81 dg. South of Alaska 60°4N, 146°5W.- H=14:47:37.1; h about 10 km. (USCGS). M=6.3 (Pasadena, Kew).
28	eP eS	21 41 27 51 44	Very weak. $\Delta=9,170$ km. ~ 82.5 dg. Peninsula Kenai, Alaska 59°8N, 148°7W.- H=20:29:08.6; h about 40 km. (USCGS). M=6.6 (Pasadena, Kobenhavn).
	e*P	20 41 30	Traces. $\Delta=9,220$ km. ~ 83 dg.
28	eP	22 41 17	Traces. $\Delta=9,330$ km. ~ 84 dg. Gulf of Alaska 58°2N, 150°4W.- H=22:28:47.0; h about 20 km. (USCGS). M=5.6 (Uppsala, Kiruna, Port Moresby).
29	eP	01 21 58	Traces. $\Delta=9,170$ km. ~ 82.5 dg. Peninsula of Kenai, Alaska 59°8N, 149°2W.- H=01:09:36.4; h about 20 km. (USCGS). M=6.3 (Uppsala, Kiruna).
29	eiP	01 42 08	Traces. $\Delta=9,440$ km. ~ 85 dg. Kodiak Island region 57°5N, 151°3W.- H=01:29:33.7 h about 20 km. (USCGS). M=4.6 (Pasadena).
29	eP	03 19 45	Traces. $\Delta=9,170$ km. ~ 82.5 dg. Peninsula of Kenai, Alaska 59°7N, 148°8W.- H=03:07:19.5; h about 30 km (USCGS). M=5.0 (Tucson, USCGS, Longwire).
29	eP	04 24 31	Traces. $\Delta=9,110$ km. ~ 82 dg. South of Alaska 60°2N, 145°5W.- H=04:12:15.7; h about 15 km (USCGS). M=5.2 (Pasadena, Wichita M).

24.

Date	Phase	Time	Additional Readings and Remarks.
Mar. 29	eP eS	06 17 24 27 57	Traces. $\Delta = 9,610$ km. ~ 86.5 dg. Kodiak Island region $56^{\circ}1N, 154^{\circ}3$ W.- $H=06:04:44.5$; h about 30 km. USCGS). $M=5.8$ (Tonto Forest, Long- mire, Kevo, Pasadena).
29	eP	09 28 26	Traces. $\Delta = 9,330$ km. ~ 84 dg. Gulf of Alaska $58^{\circ}4N, 150^{\circ}5W$.- $H=09:$ $15:55.4$; h about 15 km. (USCGS). $M=4.6$ (Wichita M, USCGS).
29	eP	10 20 23	Traces. $\Delta = 9,110$ km. ~ 82 dg. Pe- ninsula of Kenai, Alaska $60^{\circ}0N,$ $148^{\circ}6W$.- $H=10:08:02.4$; h about 20 km. (USCGS). $M=6.3$ (Uppsala, Kiruna).
29	eP	11 02 09	Traces. $\Delta = 9,330$ km. ~ 84 dg. Gulf of Alaska $58^{\circ}2N, 150^{\circ}4W$.- $H=10:$ $49:40.3$; h about 25 km. (USCGS). $M=5.2$ (Uppala B, Wichita M, USCGS).
29	eP	11 56 24	Traces. $\Delta = 9,110$ km. ~ 82 dg. Pe- ninsula of Kenai, Alaska $60^{\circ}0N,$ $149^{\circ}1W, H= 11:44:04.3$; h about 25 km. (USCGS). $M= 4.9$ (USCGS, Wichita M).
29	eP eSKS	16 53 16 17 03 38	Traces. $\Delta = 9,170$ km. ~ 82.5 dg. Gulf of Alaska $59^{\circ}7N, 147^{\circ}0W$.- $H=16:40:57.9$; h about 15 km. (USCGS). $M=6.1$ (Uppsala, Kiruna, Matsushiro).
29	eP	18 57 03	Traces. $\Delta = 6,060$ km. ~ 54.5 dg. Mid-Atlantic Ocean $7^{\circ}1S, 12^{\circ}4W$.- $H=18:47:36$ (BCIS). $M=5.6$ (Roma, Uppsala, Kiruna).
30	eiP	02 30 43	Traces. $\Delta = 9,500$ km. ~ 85.5 dg. Kodiak Island region $56^{\circ}6N, 152^{\circ}9W$.-

25.

Date	Phase	Time	Additional Readings and Remarks
Mar. 30			$H=02:18:06.3$; h about 25 km. (USCGS). $M=6.6$ (Quetta, Pasade- na).
	e*(P)	02 30 50	Traces. $\Delta = 9,500$ km. ~ 85.5 dg.
30	eiS	12 11 52	Traces. $\Delta = 9,500$ km. ~ 85.5 dg. Kodiak Island region $56^{\circ}4N,$ $152^{\circ}5W. H=11:48:40.4$; h about 2 km (USCGS). $M=5.6$ (Kiruna, Uppsala).
30	eP	12 18 06	Traces. $\Delta = 9,110$ km. ~ 82 dg. South of Alaska $60^{\circ}1N, 147^{\circ}0W$.- $H=12:05:43.5$; h about 25 km. (US- CGS). $M=5.0$ (USCGS, Pasadena, Seattle).
30	eiS	13 26 48	Traces. $\Delta = 9,560$ km. ~ 86 dg. Ko- diak Island region $56^{\circ}5N, 152^{\circ}7W$.- $H=13:03:34.9$; h about 20 km. (US CGS). $M=5.3$ (Pasadena, USCGS).
30	eP	15 20 16	Traces. $\Delta = 9,280$ km. ~ 83.5 dg. Gulf of Alaska $58^{\circ}7N, 149^{\circ}6W$.- $H=15:07:49.3$; h about 25 km. (USCGS). $M=5.9$ (Uppsala).
30	eP eiS	16 22 06C 32 29	Traces. $\Delta = 9,500$ km. ~ 85.5 dg. Kodiak Island region $56^{\circ}6N,$ $152^{\circ}1W$.- $H=16:09:28.4$; h about 26 km. (USCGS). $M=5.5$ (Seattle, Pasadena, USCGS, Cumberland Pl., Stuttgart).
31	eP eS	00 26 39C 37 06	Very weak. $\Delta = 9,390$ km. ~ 84.5 dg. Kurile Islands $45^{\circ}3N, 151^{\circ}0E$.- $H=00:14:11.7$; h about 60 km. (US CGS). $M=6.0$ (Moscow, Kiruna, Upp- sala).

Date	Phase	Time	Additional Readings and Remarks.
Mar. 31	eP	04 32 37	Traces. $\Delta=9,060$ km. ~ 81.5 dg. South of Alaska $60^{\circ}3'N$, $146^{\circ}3'W$.- H=04:20:16.3; h about 5 km. (USCGS). M=4.9 (Wichita M, USCGS).
31	eP eS eiPS	09 14 26 24 54 26 17	Traces. $\Delta=9,830$ km. ~ 88.5 dg. Vancouver Island region $50^{\circ}8'N$, $130^{\circ}2'W$.- H=09:01:30.2; h about 15 km. (USCGS). M=6.0 (Pasadena, Eureka, Wichita M).
April 2	eP eiPP eiS	01 23 05D 25 54 32 24	Weak. $\Delta=8,000$ km. ~ 72 dg. North Sumatra $5^{\circ}8'N$, $95^{\circ}6'E$.- H=01:11:43.5; h about 33 km. (USCGS). M=7.0 (Strasbourg, Pasadena).
	e*P e*S	01 23 23 32 47	Traces. $\Delta=8,220$ km. ~ 74 dg.
2	eP	10 09 17	Traces. $\Delta=9,500$ km. ~ 85.5 dg. Kodiak Island region $56^{\circ}5'N$, $152^{\circ}8'W$.- H=09:57:54.4; h about 20 km. (USCGS). M=4.9 (USCGS, Blue M., Port Moresby).
2	eP	11 53 36	Traces. $\Delta=9,230$ km. ~ 83.5 dg. Gulf of Alaska $58^{\circ}8'N$, $149^{\circ}6'W$.- H=11:41:10.7; h about 20 km. (USCGS). M=5.4 (USCGS, Seattle, Wichita M, Cumberland Pl.).
2	eP eS	16 09 58 21 00	Traces. $\Delta=10,670$ km. ~ 96 dg. Mindanao, Philippine Islands $5^{\circ}8'N$, $125^{\circ}8'E$.- H=15:56:52.6; h about 179 km. (USCGS). M=6.2 (Kiruna, Uppsala).
2	eP	22 57 06	Traces. $\Delta=9,110$ km. ~ 82 dg. Gulf of Alaska $59^{\circ}8'N$, $144^{\circ}3'W$.- H=22:34:31.7; h about 20 km. (USCGS). M=5.4 (Uppsala, Kiruna, Port Moresby).

Date	Phase	Time	Additional Readings and Remarks.
Apr. 2	eP eiS	04 24 11D 33 36	Traces. $\Delta=8,220$ km. ~ 74 dg. North Sumatra $3^{\circ}9'N$, $96^{\circ}6'E$.- H=04:12:39.7; h about 52 km. (USCGS). M=6.3 (Uppsala, Kiruna).
3	eP eS	08 51 06 09 01 22	Traces. $\Delta=9,170$ km. ~ 82.5 dg. Gulf of Alaska $59^{\circ}6'N$, $144^{\circ}7'W$.- H=08:38:42.8; h about 10 km. M=6.1 (Uppsala, Kiruna).
3	eP ePS	22 45 52D 56 44	Traces. $\Delta=8,940$ km. ~ 80.5 dg. South of Alaska $61^{\circ}6'N$, $147^{\circ}6'W$.- H=22:33:42.2; h about 40 km. (USCGS). M=6.0 (Pasadena, Kevo).
4	eSKS	05 16 43	Traces. $\Delta=9,060$ km. ~ 81.5 dg. South of Alaska region $60^{\circ}1'N$, $146^{\circ}7'W$.- H=04:54:01.7; h about 40 km. (USCGS), M=6.2 (Uppsala, Kiruna).
4	eS	09 03 30	Traces. $\Delta=9,500$ km. ~ 85.5 dg. Kodiak Island region $56^{\circ}5'N$, $152^{\circ}6'W$.- H=08:40:29.8; h about 15 km. (USCGS). M=6.0 (Uppsala, Kiruna, Moscow, Palisades).
4	eiP eiPP eiS eiSKKS	17 58 48 18 02 14 09 11 19	Very weak. $\Delta=9,560$ km. ~ 86 dg. Kodiak Island region $56^{\circ}3'N$, $154^{\circ}4'W$.- H=17:46:08.6; h about 25 km. (USCGS). M=6 1/2 (Pasadena).
4	eS	22 39 45	Traces. $\Delta=9,110$ km. ~ 82 dg. Gulf of Alaska $59^{\circ}4'N$, $145^{\circ}2'W$.- H=22:16:54.5; h about 10 km. M=5.1 (USCGS).
4	ePP	23 50 52	Traces. $\Delta=8,890$ km. ~ 80 dg. South of Alaska.- H=23:35.6 (BCIS).
5	eP eSKS	01 34 54 45 16	Very weak. $\Delta=9,560$ km. ~ 86 dg. Kodiak Island region $56^{\circ}2'N$, $153^{\circ}5'W$.-

28.

Date	Phase	Time	Additional Readings and Remarks.
Apr. 5			H=01:22:13.3; h about 25 km. (USCGS). M=6 (Pasadena, København).
5	eP eSKS	19 40 36 50 58	Traces. $\Delta=9,110$ km. ~ 82 dg. South of Alaska $60^{\circ}2'N$, $146^{\circ}7'W$. - H=19:28:18.1; h about 15 km. (USCGS). M=6.2 (Uppsala, Kiruna).
6	e	07 49.2	Traces.
7	e	02 30.7	Traces. $\Delta=9,280$ km. ~ 83.5 dg. Alaska $58^{\circ}5'N$, $154^{\circ}5'W$. - H=01:43:28.7; h about 30 km. M=5.1 (USCGS).
7	ePP	13 35 35	Traces. $\Delta=10,830$ km. ~ 97.5 dg. Northern Celebes $0^{\circ}1'N$, $123^{\circ}2'E$. - H=13:18:18.9; h about 150 km. M=6.3 (USCGS).
8	e	02 52.1	Traces. $\Delta=9,390$ km. ~ 84.5 dg. Kurile Islands $46^{\circ}1'N$, $152^{\circ}8'E$. - H=02:04:06; h about 40 km. (USCGS). M=4.9 (USCGS, Longmire).
8	eP eSKS	11 10 36 20 56	Very weak. $\Delta=9,330$ km. ~ 84 dg. Kurile Islands $45^{\circ}8'N$, $150^{\circ}8'E$. - H=10:58:09.1; h about 40 km. (USCGS). M=6 $\frac{1}{4}$ (Pasadena).
8	e	19 52.5	Traces. $\Delta=9,110$ km. ~ 82 dg. Gulf of Alaska $59^{\circ}6'N$, $147^{\circ}0'W$. - H=19:33:19.0; h about 15 km. (USCGS). M=5.1 (USCGS, Blue M, Cumberland Pl., Longmire).
10	eiP e(SKS)	01 20 31C 30 56	Traces. $\Delta=9,330$ km. ~ 84 dg. Gulf of Alaska $58^{\circ}4'N$, $150^{\circ}6'W$. - H=01:08:00.2; h about 15 km. (USCGS). M=6.0 (Port Moresby, Uppsala, Kiruna).

29.

Date	Phase	Time	Additional Readings and Remarks.
Apr. 10	eP	21 56 28	Traces. $\Delta=9,170$ km. ~ 82.5 dg. South of Alaska $60^{\circ}1'N$, $153^{\circ}7'W$. - H=21:44:06.7; h about 10 km. (USCGS). M=6.1 (Uppsala, Kiruna, Georgetown, Afiamalu).
11	ePKP	01 24 30	Traces. $\Delta=17,720$ km. ~ 159 dg. Kermadec Islands region $29^{\circ}0'S$, $178^{\circ}9'W$. - H=01:04:30.2; h about 302 km. (USCGS). M=5.3 (USCGS, Uinta B).
12	eP eS	01 37 08C 47 32	Very weak. $\Delta=9,500$ km. ~ 85.5 dg. Kodiak Island region $56^{\circ}6'N$, $152^{\circ}2'W$. - H=01:24:31.2; h about 22 km. (USCGS). M=6 $\frac{1}{4}$ (Pasadena, Moscow).
12	eP	13 00 51	Traces. $\Delta=9,560$ km. ~ 86 dg. Kodiak Island region $56^{\circ}6'N$, $151^{\circ}3'W$. - H=12:48:02.2; h about 33 km. (USCGS). M=5.1 (USCGS, State College, Longmire).
13	e*P ei*SS eiP ePP eiPPP eiS	08 31 55 33 38 08 32 04CSE 15 25C 33 39	Very weak. $\Delta=830$ km. ~ 7.5 dg. Weak. $\Delta=945$ km. ~ 8.5 dg. Northern Yugoslavia $45^{\circ}3'N$, $18^{\circ}2'E$. - H=08:30:05; (BCIS). M=6.0 (Kiruna, Praha, Baguio). Two Killed and about 1000 injured in northern Yugoslavia. Extensive property damage in northern Yugoslavia and southern Hungary.
13	e	12 38.5	Traces. $\Delta=9,110$ km. ~ 82 dg. Gulf

30.

Date	Phase	Time	Additional Readings and Remarks.	Date	Phase	Time	Additional Readings and Remarks.
Apr. 13			Alaska 59°4N, 143°9W.- H=12:25:36; h about 40 km. M=4.9 (USCGS).	Apr. 16			km. (USCGS). M=5.1 (Longmire, USCGS, Wichita M, Eureka).
13	eS	21 48 27	Traces. Δ =9,390 km. ~ 84.5 dg. Kodiak Island region 57°5N, 153°9W.- H=21:25:33; h about 30 km. (USCGS). M=6.0 (Uppsala, Kiruna).	16	eiPKP	02 55 19C	e?55:17. Traces. Δ =16,330 km. ~ 147 dg. Loyalty Islands region 21°5S, 170°5E.- H=02:35:48.9; h about 110 km. (USCGS). M=4.6 (USCGS, Uinta B).
14	e	01 16 49D	Traces. Δ =9,280 km. ~ 83.5 dg. Kurile Islands 49°4N, 155°5E.- H=01:04:28.8; h about 60 km. M=5.2 (USCGS).	16	eSKS	14 06 31	Traces. Δ =9,890 km. ~ 89 dg. Fox Islands 52°1N, 169°4W.- H=13:43:08.9; h about 33 km. (USCGS). M=4.9 (USCGS, Uinta B).
14	eiP	06 37 08CSE	Traces. Δ =780 km. ~ 7 dg. Tyrrhenian Sea 38°6N, 14°8E.- H=06:35:24; h about 280 km. (BCIS). M=4.3 (USCGS).	16	eiP eiSKKS	19 39 35C 50 05	Traces. Δ =9,560 km. ~ 86 dg. Kodiak Island region 56°4N, 152°9W.- H=19:26:57.4; h about 30 km. (USCGS). M=6 1/2-6 3/4 (Pasadena).
14	eP	16 07 31	Traces. Δ =9,000 km. ~ 81 dg. South of Alaska region 61°3N, 147°3W.- H=15:55:10.9; h about 30 km. (USCGS). M= 5.4 (USCGS, State College, Albuquerque, Longmire).	17	eiP	05 02 09C	Traces. Δ =9,560 km. ~ 86 dg. Kodiak Island region 56°4N, 152°9W.- H=04:49:30.5; h about 25 km. (USCGS). M=6.4 (Kiruna, Uppsala).
14	eP eS	23 08 03 18 22	Traces. Δ =9,390 km. ~ 84.5 dg. Kodiak Island region 58°0N, 152°6W.- H=22:55:31.3; h about 30 km. (USCGS). M=5.8 (Uppsala, Kiruna).	17	eP	09 21 42	Traces. Δ =9,390 km. ~ 84.5 dg. Kodiak Island region 57°7N, 151°4W.- H=09:09:07.8; h about 20 km. M=5.4 (USCGS).
15	eP e(S)	15 43 23 53 45	Very weak. Δ =9,560 km. ~ 86 dg. Kodiak Island region 56°2N, 154°4W H=15:30:47.1; h about 35 km. (USCGS). M=6.3 (Uppsala, Kiruna).	18	eP eSKS	05 40 18 50 42	Traces. Δ =9,390 km. ~ 84.5 dg. Kurile Islands 45°5N, 151°1E.- H=05:27:44.6; h about 33 km. (USCGS). M=6.2 (Uppsala, Kiruna).
15	eP	16 45 40	Traces. Δ =6,330 km. ~ 57 dg. India-East Pakistan border region 21°7 N, 88°0E.- H=16:35:57.5; h about 36 km. M= 5.5 (USCGS).	18	e	08 09.0	Traces. Δ =9,330 km. ~ 84 dg. Gulf of Alaska 57°4N, 149°8W.- H=07:47:03.3; h about 30 km. (USCGS). M=5.1 (Kevo, Cumberland Pl., Uinta B, USCGS).
16	eiP eiPP eiSKS	01 17 14C 20 38 27 37	Traces. Δ =9,610 km. ~ 86.5 dg. Off east coast of Honshu, Japan 37°0N, 142°7E.- H=01:04:34.5; h about 38	18	eP	20 28 49	Traces. Δ =9,610 km. ~ 86.5 dg.

32.

Date	Phase	Time	Additional Readings and Remarks.
Apr. 18			Kodiak Island region 56°1N, 153°7W.- H=20:16:16.3; h about 30 km. (US CGS). M=5.9 (Uppsala, Kiruna).
19	e	05 06.0	Traces. $\Delta=17,060$ km. ~ 155.5 dg. Tonga Islands 15°4S, 173°4W.- H= 03:56:13.7; h about 51 km. (USC GS). M=4.2 (Tucson, USCGS).
19	ePS	14 42 00	Traces. $\Delta=13,000$ km. ~ 117 dg. Near south Shetland Islands 60°5S, 58°3W.- H=14:12:21.9; h about 33 km. M=5.4 (USCGS).
20	e*P eiP	12 08 47 12 08 52	Traces. $\Delta=8,890$ km. ~ 90 dg. Traces. $\Delta=9,000$ km. ~ 81 dg. South- ern Alaska region 61°4N, 147°3W.- H=11:56:41.6; h about 30 km. (USC GS). M=6 1/2 (Pasadena).
21	eP eS	05 13 45 23 48	Traces. $\Delta=8,940$ km. ~ 80.5 dg. South of Alaska 61°5N, 147°4W.- H=05:01:35.7; h about 40 km. (US CGS). M=6 (Pasadena).
22	eS	10 01 05	Traces. $\Delta=4,720$ km. ~ 42.5 dg. North Atlantic Ocean 56°2N, 34°9W.- H=09:46:54 (BCIS). M=4.8 (USCGS).
23	eSKS eiPS	03 57 53 04 01 05	e? 47:06. Traces. $\Delta=12,110$ km. ~ 109 dg. Aru Islands region 5°3S, 134°0 E.- H=03:32:50.3; h about 33 km. (USCGS) M=7 (Pasadena).
23	eP eS	14 26 36 28 50	Traces. $\Delta=1,330$ km. ~ 12 dg. South eastern Turkey 38°2N, 38°7E.- H= 14:23:41 (BCIS). M=5.8 (Uppsala, Kiruna).
	e*PP	14 27 08	Traces. $\Delta=1,500$ km. ~ 13.5 dg.
23	eS	21 31 16	Traces. $\Delta=9,110$ km. ~ 82 dg. Near east coast of Kamchatka 52°7N,

22.

Date	Phase	Time	Additional Readings and Remarks.
Apr. 23			160°9E.- H=21:08:42; h about 33 km. (USCGS). M=4.8 (USCGS, Wichi- ta M).
24	eP	00 54 53	Traces. $\Delta=9,170$ km. ~ 82.5 dg. Near east coast of Kamchatka 52°7N, 160°9E.- H=00:42:33.9; h about 33 km. 4.9 (USCGS).
24	eSKS	04 13 42	Traces. $\Delta=9,170$ km. ~ 82.5 dg. Gulf of Alaska 59°5N, 144°5 W.- H=03:51:05; h about 33 km (USCGS). M=5.2 (USCGS, Blue M., Longmire).
24	ePKP eiSKS	06 14 46D 21 29	Very weak. $\Delta=12,940$ km. ~ 116.5 dg. North east New Guinea 5°1 S, 144°2E.- H=05:56:10.1; h about 106 km. (USCGS). M=6 3/4 (Roma, Pa- sadena, Matsushiro).
24	e(PKP)	14 57 48	Traces. $\Delta=11,000$ km. ~ 99 dg. Near coast of El Salvador 13°3N, 88°8W.- H=14:40:28.3; h about 158 km. (USCGS). M=5.1 (USCGS, Blue M., Longmire).
25	eP	01 13 02D	Traces. $\Delta=555$ km. ~ 5 dg. South- western Turkey 37°8N, 30°0E.- H= 01:11:45; h about 45 km. (BCIS). M=4.5 (USCGS).
27	e?	01 04.0	Traces. $\Delta=11,170$ km. ~ 100.5 dg. Off west coast of Sumatra 0°3N, 98°1E.- H=01:37:12.1; h about 33 km. M=5.3 (USCGS).
27	eSS	07 25 18	e? 04:30. Traces. $\Delta=15,610$ km. \sim 140.5 dg. Balleny Islands region 60°1S, 151°E.- H=06:44:25.1; h about 33 km. (USCGS). M=5.0 (Port Moresby, USCGS).

34.

Date	Phase	Time	Additional Readings and Remarks.
Apr. 30	ePP	16 24 09	Traces. $\Delta=13,730$ km. ~ 123.5 dg. New Ireland region $4^{\circ}6'S, 153^{\circ}2'E$.- $H=16:03:31.4$; h about 78 km. (USCGS). $M=5.2$ (USCGS, Eureka, College).
May 1	e	06 26.9	Traces. $\Delta=9,060$ km. ~ 81.5 dg. South Alaska region $60^{\circ}5'N, 145^{\circ}6'W$. $H=06:01:55.4$; h about 20 km. (USCGS). $M=5.4$ (USCGS, Longmire).
2	eP eiSKS	16 23 28 30 21	Weak. $\Delta=9,330$ km. ~ 84 dg. Kurile Islands $45^{\circ}5'N, 150^{\circ}3'E$.- $H=16:11:00.2$; h about 35 km. (USCGS). $M=6\frac{1}{2}$ (Pasadena, Berkeley, Uppsala, Kiruna, URSS).
	e*P	16 23 34	Traces. $\Delta=9,390$ km. ~ 84.5 dg.
3	ePKP	05 02 03	Traces. $\Delta=16,890$ km. ~ 152 dg. Fiji Islands region $17^{\circ}9'S, 178^{\circ}3'W$.- $H=04:43:12.4$; h about 569 km. (USCGS). $M=3.9$ (Uinta B, USCGS).
4	e	17 27.1	Traces. $\Delta=10,780$ km. ~ 97 dg. Bouvet Island region $55^{\circ}8'S, 4^{\circ}4'W$.- $H=17:05:20$; h about 33 km. (USCGS). $M=5-5\frac{1}{4}$ (Palisades).
5	eP	08 14 16	Traces. $\Delta=9,730$ km. ~ 84 dg. Kurile Islands $45^{\circ}5'N, 150^{\circ}1'E$.- $H=08:01:48.4$; h about 40 km. (USCGS). $M=4.9$ (Longmire, Nurmi-jaervi, USCGS).
6	e	08 32.5	Traces. $\Delta=15,000$ km. ~ 135 dg. Solomon Islands region $11^{\circ}1'S, 162^{\circ}2'E$.- $H=08:10:47.5$; h about 40 km. (USCGS). $M=5.7$ (Uppsala, Kiruna, Quetta).

35.

Date	Phase	Time	Additional Readings and Remarks.
May 6	eP eS	15 39 19 49 37	Traces. $\Delta=9,500$ km. ~ 85.5 dg. Kodiak Island region $56^{\circ}7'N, 152^{\circ}1'W$.- $H=15:26:35.5$; h about 15 km. (USCGS). $M=6$ (Uppsala, Kiruna, URSS).
7	ePKP	00 54 19D	Traces. $\Delta=17,060$ km. ~ 153.5 dg. Fiji Islands region $18^{\circ}2'S, 176^{\circ}6'W$.- $H=00:34:57.2$; h about 300 km. (USCGS). $M=5.4$ (USCGS, Uinta B, College).
7	eP	05 53 29DS	Traces. $\Delta=4,780$ km. ~ 43 dg. Tanganyika $3^{\circ}9'S, 34^{\circ}9'E$.- $H=05:45:30$; 1 killed at Babati, 19 injured at Mbulu, Extensive Property Damage (BCIS), $M=6.7$ (Uppsala, Kiruna, Kew).
	e*P	05 53 35	Traces. $\Delta=4,830$ km. ~ 43.5 dg.
7	ei!P eiPP	08 10 32C 13 42	Weak. $\Delta=9,110$ km. ~ 82 dg. Off coast of northern Honshu, Japan $40^{\circ}4'N, 139^{\circ}0'E$.- $H=07:58:14.3$; h about 33 km. (USCGS). $M=7$ (Pasadena, Berkeley, Uppsala, Kiruna, URSS, Tacubaya).
	e*P	08 20 37	Traces. $\Delta=9,220$ km. ~ 83 dg.
7	eP ePP eiSKS	20 25 08 C 28 17 35 24	Very weak. $\Delta=9,110$ km. ~ 82 dg. Off West coast of Honshu, Japan, $40^{\circ}5'N, 139^{\circ}0'E$.- $H=20:12:49.3$; h about 33 km. (USCGS). $M=6.5$ (Pasadena, Berkeley, URSS, Uppsala, Kiruna, JMA).
	e*P	20 25 14	Traces. $\Delta=9,220$ km. ~ 83 dg.
8	eP e(S)	16 34 27 44 49	Traces. $\Delta=9,500$ km. ~ 85.5 dg. Kodiak Island region $56^{\circ}7'N, 154^{\circ}0'W$.- $H=16:21:49.8$; h about 25 km. (USCGS). $M=5.9$ (College, Uppsala, Kiruna).

36.

Date	Phase	Time	Additional Readings and Remarks.
May 8	e?(P) eSKS	21 46 55 57 07	Traces. $\Delta=9,000$ km. ~ 81 dg. South Alaska region $60^{\circ}8'N$, $143^{\circ}6'W$.- H=21:34:40.6; h about 35 km. (USCGS). M=5.8 (Uppsala, Kiruna, Uinta B).
8	eP eS eSKS	23 53 42 00 04 13 22	Traces. $\Delta=10,060$ km. ~ 90.5 dg. Andreanof Islands, Aleutian Islands $52^{\circ}2'N$, $169^{\circ}5'W$.- H=23:40:44.1; h about 20 km. (USCGS). M=5.9 (Uppsala, Kiruna).
9	eP eS	02 15 25 26 09	Traces. $\Delta=9,940$ km. ~ 89.5 dg. Andreanof Islands, Aleutian Islands $52^{\circ}2'N$, $169^{\circ}W$.- H=02:02:28.8; h about 25 km. (USCGS). M=5.1 (Uinta B, USCGS, Cumberland Pl., Longmire).
10	ePKP	04 05 03	Traces. $\Delta=17,830$ km. ~ 160.5 dg. Loyalty Island region $22^{\circ}0'S$, $170^{\circ}0'E$.- H:03:45:22; h about 100 km. M=4 $\frac{5}{4}$ (Numea).
12	eP eiS	18 29 24CS 39 56	Traces. $\Delta=3,500$ km. ~ 85.5 dg. Kodiak Island region $56^{\circ}6'N$, $152^{\circ}4'W$.- H=18:16:41.9; h about 10 km. (USCGS). M=6.3 (Uppsala, Kiruna).
13	ePKP ₁	05 45 22	Traces. $\Delta=17,940$ km. ~ 161.5 dg. Kermadec Islands region $32^{\circ}8'S$, $178^{\circ}3'W$.- H=05:25:26.1; h about 33 km. (USCGS). M=6.5 (Pasadena, Kew).
13	e	18 14.0	Traces. Probably Kermadec Islands region.- H=17:33.2 (BCIS).
13	e	21 16.2	Traces. $\Delta=17,940$ km. ~ 161.5 dg. Kermadec Islands region $32^{\circ}4'S$, $178^{\circ}3'W$.- H=20:37:54; h about 70 km. (USCGS). M=4.9 (Blue M, USCGS).

37.

Date	Phase	Time	Additional Readings and Remarks.
May 15	e	02 00 50	Traces.
15	e(PS)	11 20 18	Traces. $\Delta=13,280$ km. ~ 119.5 dg. Bismarck Sea $3^{\circ}5'S$, $149^{\circ}1'E$.- H=10:50:21; h about 44 km. (USCGS). M=4.7 (USCGS, Blue M).
16	ePKP ₁ eSKKS	16 27 44C 39 00	Traces. $\Delta=17,940$ km. ~ 161.5 dg. Kermadec Island region $32^{\circ}8'S$, $178^{\circ}3'W$.- H=16:07:46.2; h about 33 km. (USCGS). M=6.0 (Kiruna, Uppsala, Pasadena).
17	eP eSKS	01 02 37CS 12 58	Traces. $\Delta=9,170$ km. ~ 82.5 dg. Gulf of Alaska $59^{\circ}4'N$, $142^{\circ}7'W$.- H=00:50:17.9; h about 35 km. (USCGS). M=5 $\frac{3}{4}$ (Kew, Pasadena).
17	eP	04 54 36D	Traces. $\Delta=9,830$ km. ~ 88.5 dg. South Alaska $53^{\circ}9'N$, $159^{\circ}7'W$.- H=04:41:44; h about 33 km. (USCGS). M=5.5 (USCGS, Tonto Forest).
17	eP	19 34 56D	Very weak. $\Delta=5,280$ km. ~ 47.5 dg. North Atlantic Ocean $35^{\circ}3'N$, $36^{\circ}0'W$.- H=19:26:21 (BCIS). M=6.3 (Uppsala, Kiruna).
19	eP	10 51 52	Traces. $\Delta=9,330$ km. ~ 84 dg. Kurile Islands $45^{\circ}5'N$, $150^{\circ}3'E$.- H=10:39:24.8; h about 33 km. M=5.4 (USCGS).
19	eP	23 34 28	Traces. $\Delta=9,280$ km. ~ 83.5 dg. Kurile Islands $48^{\circ}3'N$, $154^{\circ}4'E$.- H=23:22:04.0; h about 50 km. (USCGS), M=4.7 (USCGS, Blue M).
24	ePKP ₂	04 33 35C	Traces. $\Delta=17,610$ km. ~ 158.5 dg. Tonga Islands region $22^{\circ}6'S$, $174^{\circ}1'W$.- H=04:13:05.3; h about 33 km. (USCGS).

38.

Date	Phase	Time	Additional Readings and Remarks.
May 24			M=5.7 (USCGS, Nueva Concepcion, College).
24	eP ePP eS	10 44 11 47 38 54 51	Traces. $\Delta = 9,720$ km. ~ 87.5 dg. Near east coast of Honshu, Japan $34.0^{\circ}N$, $141.0^{\circ}E$.- H=10:31:24.1; h about 33 km. (USCGS). M=5.9 (Uppsala, Kiruna, Uinta B).
26	e*pp eP	11 13 26 11 13 08C	Traces. $\Delta = 11,440$ km. ~ 103 dg. Very weak. $\Delta = 11,500$ km. ~ 103.5 dg. Sandwich Islands $56.0^{\circ}S$, $27.0^{\circ}W$.- H=10:59:12.3; h about 120 km. (USCGS). M=7 1/2-7 3/4 (Berkeley, Pasadena).
28	eP	01 09 12	Traces. $\Delta = 9,110$ km. ~ 82 dg. Near east coast of Taiwan $25.4^{\circ}N$, $122.0^{\circ}E$.- H=01:56:58.9; h about 41 km. (USCGS). M=5.7 (Uppsala, Kiruna).
28	eP	12 43 08	Traces. $\Delta = 6,560$ km. ~ 59 dg. Mid-Atlantic Ocean $0.0^{\circ}S$, $24.7^{\circ}W$.- H=12:33:10.2; h about 33 km. M=5.2 (USCGS).
30	eP ePP eS e*P	14 43 22C 46 44D 53 43 14 43 29	Traces. $\Delta = 9,560$ km. ~ 86 dg. Near east coast of Honshu, Japan $36.0^{\circ}N$, $141.0^{\circ}E$.- H=14:30:45.3; h about 49 km. (USCGS). M=6.4 (URSS, Pasadena). Traces. $\Delta = 9,670$ km. ~ 87 dg.
31	eP ei!S ei!PPS e*iP	00 53 03CS 01 03 21 04 45 00 53 07	Weak. $\Delta = 9,330$ km. ~ 84 dg. Kurile Islands $43.0^{\circ}N$, $146.0^{\circ}E$.- H=00:40:36.4; h about 48 km. (USCGS). M=6.9 (Pasadena). Very weak. $\Delta = 9,390$ km. ~ 84.5 dg.
June 1	e?(PP)	13 44 26	Traces. $\Delta = 17,330$ km. ~ 156 dg. Tonga Islands $21.0^{\circ}S$, $175.0^{\circ}W$.- H=

39.

Date	Phase	Time	Additional Readings and Remarks.
June 1			13:17:20.7; h about 35 km. (USCGS), M=5.2 (Eureka USCGS).
3	e?(P)	02 59 18	Traces. $\Delta = 6,780$ km. ~ 61 dg. Northern Burma $25.9^{\circ}N$, $95.8^{\circ}E$.- H=02:49:14.9; h about 100 km. (USCGS). M=5.9 (Quetta, Uppsala, Kiruna).
4	eiP eS	00 33 40D 34 53	Very weak. $\Delta = 730$ km. ~ 6.5 dg. Italy $40.4^{\circ}N$, $15.7^{\circ}E$.- H=00:32:04 (BCIS). M=4.5 (ING).
4	eP	03 04 09	Traces. $\Delta = 3,940$ km. ~ 35.5 dg. Hindu Kush $36.4^{\circ}N$, $69.3^{\circ}E$.- H=02:57:07.6; h about 33 km. M=4.9 (USCGS).
4	e?	12 00.7	Traces. $\Delta = 11,440$ km. ~ 103 dg. Peru $9.6^{\circ}S$, $76.1^{\circ}W$.- H=11:46:01.7 h about 124 km. M=5.3 (USCGS).
5	eP ePP eSS	00 15 26C 42 18 41	Traces. $\Delta = 1,720$ km. ~ 15.5 dg. Turkey $39.0^{\circ}N$, $43.0^{\circ}E$.- H=00:11:50 (BCIS). M=4.6 (USCGS, Uinta B.).
5	eP	02 44 32	Traces. $\Delta = 5,110$ km. ~ 46 dg. Sinkiang Province, China $42.0^{\circ}N$, $84.0^{\circ}E$.- H=02:36:12.4; h about 52 km. (USCGS). M=5.8 (Uppsala, Kiruna).
5	eP	10 02 53	Traces. $\Delta = 9,060$ km. ~ 81.5 dg. Alaska $60.4^{\circ}N$, $146.0^{\circ}E$.- H=09:50:35; h about 15 km. (USCGS). M=5.8 (Kiruna).
5	eP eSKS	22 19 25 29 45	Traces. $\Delta = 9,330$ km. ~ 84 dg. Kodiak Islands region $58.1^{\circ}N$, $152.1^{\circ}W$.- H=22:06:53; h about 15 km. (USCGS). M=5.8 (Uppsala, Kiruna).
6	ePKP	19 27 19	Traces. $\Delta = 15,890$ km. ~ 143 dg.

40.

Date	Phase	Time	Additional Readings and Remarks.
June 6			Easter Island region 26°6S, 114°4W.- H=19:07:51.4; h about 33 km. (USCGS). M=5.8 (Tonto Forest, USCGS Longmire),
9	e?	07 22.7	Traces. $\Delta=1,330$ km. ~ 12 dg. Turkey 38°4N, 39°.- H=07:15:51 (BCIS).
10	eP eS	22 30 04 41 17	Traces. $\Delta=10,830$ km. ~ 97.5 dg. Philippines Islands region 5°0N, 127°4 E.- H=22:16:44.8; h about 136 km. (USCGS). M=6.4 (Uppsala, Kiruna).
11	ePP	17 21 18	Traces. $\Delta=12,500$ km. ~ 112.5 dg. Near north coast of western New Guinea 2°0S, 140°8E.- H=17:01:48.5; h about 18 km. (USCGS). M=6.1 (Kiruna, Uppsala).
12	ePn eiPg eiSb eiSy	07 47 36 57C 48 42 50	Very weak, $\Delta=540$ km. ~ 4.9 dg. Southwestern Turkey 37°3N, 29°8 E.- H=07:46:24 (BCIS). M=4 1/2 (URSS).
13	e?	04 56.1	Traces. $\Delta=9,330$ km. ~ 84 dg. Near Islands, Aleutian Islands 53°6N, 172°1E.- H=04:20:53.5; h about 33 km. (USCGS). M=5.1 (Longmire, USCGS, Wichita M.).
13		09 01.3	Traces. $\Delta=9,330$ km. ~ 84 dg. Kurile Islands 46°4N, 153°3E.- H=08:28:38.7; h about 33 km. M=5.4 (USCGS).
13		23 46.0	Traces. $\Delta=17,560$ km. ~ 158 dg. Kermadec Islands 27°6S, 178°3W.- H=22:31:53.5; h about 94 km. (USCGS). M=5.2 (USCGS, Longmire).

41.

Date	Phase	Time	Additional Readings and Remarks.
June 14	eP eiPP eiS	12 18 23C 37D 20 42	Very weak. $\Delta=1,330$ km. ~ 12 dg. Southern Turkey 38°0N, 38°6E.- H=12:15:33 (BCIS). M=5.8 (Uppsala, Kiruna, Pruthonice).
	e*P	12 18 45	Traces. $\Delta=1,500$ km. ~ 13.5 dg.
14	eP	12 40 50	Traces. $\Delta=1,330$ km. ~ 12 dg. After-shock. Southern Turkey 38°0N, 38°5 E.- H=12:38:03 (BCIS). M=4.7 (Stuttgart, USCGS).
15	eP eS	00 17 01 26 25	Traces. $\Delta=8,170$ km. ~ 73.5 dg. Northern Sumatra 5°4N, 97°0E.- H=00:05:31.1 (USCGS). M=6.0 (Uppsala Kiruna, Praha).
16	eP eS	04 14 08C 24 34	$A_n=115 \mu$, $T_n=16$ sec., $A_e=120 \mu$, $T_e=17$ sec., $\Delta=9,280$ km. ~ 83.5 dg. M=7.1 (Athens). Near west coast of Honshu, Japan 38°3N, 139°1E.- H=04:01:44.3; h about 57 km. (USCGS). M=7 1/4-7 1/2 (Pasadena)
	e*P	04 14 10	Traces. $\Delta=9,280$ km. ~ 83.5 dg.
16	eP	07 05 33	Traces. $\Delta=9,280$ km. ~ 83.5 dg. Near west coast of Honshu, Japan 38°7N, 139°0E.- H=06:53:05; h about 15 km. (USCGS). M=5.6 (USCGS, College).
16	eP	07 27 19	Traces. $\Delta=9,280$ km. ~ 83.5 dg. Near west coast of Honshu, Japan 38°5N, 139°2E.- H=07:14:57.1; h about 16 km. (USCGS). M=6.3 (Uppsala, Kiruna).
18	eP eS	18 14 17 24 39	Traces. $\Delta=9,390$ km. ~ 84.5 dg. Kurile Islands 47°5N, 154°9 E.- H=18:01:47 (USCGS). M=5.9 (Uppsala Kiruna),

42.				43.			
Date	Phase	Time	Additional Readings and Remarks.	Date	Phase	Time	Additional Readings and Remarks.
June 18		21 03.7	Traces. $\Delta=13,110$ km. ~ 118 dg. Off coast of central Chile $39^{\circ}3S$, $74^{\circ}7W$.- H=20:33:53.5; h about 26 km. (USCGS). M=5.3 (USCGS, Tucson, Albuquerque).	June	eiPPS	50 47	
					e*P	01 39 04C	Traces. $\Delta=9,280$ km. ~ 83.5 dg.
19	eP eiS	00 52 16 54 33	Very weak. $\Delta=840$ km. ~ 7.5 dg. Turkey $40^{\circ}8N$, $32^{\circ}8E$.- H=00:50:23 (BCIS). M=4.6 (USCGS).	27	eP	02 36 40	e? 36:24. Traces. $\Delta=4,560$ km. ~ 41 dg. Sinkiang Province, China $40^{\circ}4N$, $77^{\circ}5E$.- H=02:28:57.1; h about 33 km. (USCGS). M=5.5 (Kiruna, Uppsala).
19	eP	19 18 02	Traces. $\Delta=9,280$ km. ~ 83.5 dg. Near west coast of Honshu, Japan $38^{\circ}8N$, $139^{\circ}3E$.- H=10:05:36.4 (USCGS).- M=5.7 (Uppsala, Kiruna, Eureka, Stuttgart, Albuquerque).	27	e?(PS)	17 02 16	Traces. $\Delta=6,670$ km. ~ 60 dg. Ascension Island region $11^{\circ}5S$, $13^{\circ}8W$.- H=16:43:47; h about 33 km. (USCGS). M=4.7 (USCGS, Cumberland Pl.).
21	eP	01 45 29	Traces. $\Delta=9,170$ km. ~ 82.5 dg. Near west coast of Kamchatka $51^{\circ}0N$, $157^{\circ}0E$.- H=01:33:11.2; h about 51 km. (USCGS). M=5.7 (USCGS, Eureka, College, Longmire).	28	eiP	11 17 12D	Traces. $\Delta=830$ km. ~ 7.5 dg. Cyprus $34^{\circ}7N$, $32^{\circ}3E$.- H=11:15:21; h about 70 km. (BCIS) M=4.7 (USCGS).
21	ePKP ₁ ePKP ₂	22 41 08 14	Traces. $\Delta=16,440$ km. ~ 148 dg. Fiji Islands $16^{\circ}3S$, $178^{\circ}0E$.- H=22:21:22.7; h about 18 km. (USCGS). M=5.0 (USCGS, Eureka, Wichita M.).	28	ePP	13 11 46	Traces. $\Delta=13,170$ km. ~ 118.5 dg. New Ireland region $1^{\circ}7S$, $149^{\circ}6E$.- H=12:51:34.6; h about 7 km. (USCGS). M=6.4 (Longmire, USCGS, Kew, Roma, URSS, Kipapa, Mundaring).
21	ePKP ₁ ePP	00 36 12 40 11	Traces. $\Delta=17,060$ km. ~ 153.5 dg. Samoa Islands $15^{\circ}7S$, $172^{\circ}8W$.- H=00:16:27.4; h about 33 km. (USCGS). M=5.1 (USCGS, Longmire).	28	eP	17 17 26	Traces. $\Delta=6,830$ km. ~ 61.5 dg. North Atlantic Ocean $3^{\circ}5N$, $32^{\circ}4W$.- H=17:07:07; h about 33 km. (USCGS). M=4.6 (USCGS, Eureka, Tonto Forest, Wichita M.).
22	ePP ePKS	03 25 11 26 10	e? 24:42. Traces. $\Delta=14,780$ km. ~ 133 dg. Solomon Islands $10^{\circ}4S$, $161^{\circ}1E$.- H=03:03:37.9; h about 70 km. (USCGS). M=5.4 (Uinta B, Baguio, USCGS, Longmire).	29	eP	07 33 37	Traces. $\Delta=8,830$ km. ~ 79.5 dg. Central Alaska $62^{\circ}7N$, $152^{\circ}0W$.- H=07:21:32.8; h about 33 km. (USCGS). M=5.8 (Kiruna, Uppsala, Georgetown).
23	ei!P eiPP eiS eSKS	01 38 59CSE 42 12 49 13 23	Weak. $\Delta=9,280$ km. ~ 83.5 dg. Kurile Islands $43^{\circ}3N$, $146^{\circ}1E$.- H=01:26:37; h about 77 km. (USCGS) M=7.6 (Kiruna, Uppsala).	30	eP ePP eiSKS	13 59 52D 03 53 10 31	Very weak. $\Delta=10,830$ km. ~ 97.5 dg. Northern Celebes $0^{\circ}8S$, $122^{\circ}5E$.- H=13:46:21.6; h about 36 km. (USCGS). M=6.6 (Uppsala, Kiruna).

44.

Date	Phase	Time	Additional Readings and Remarks.
30	eP	16 00 12C	Traces. $\Delta=9,390$ km. ~ 84.5 dg. Kurile Islands $44^{\circ}7'N$, $150^{\circ}4'E$.- H= $15:47:41.1$; h about 33 km. (USCGS). M= 5.4 (State College, Stuttgart, Shillong, Longmire).
30	eP	20 20 00	Traces. $\Delta=8,940$ km. ~ 80.5 dg. Sea of Okhotsk $46^{\circ}6'N$, $144^{\circ}6'E$.- H= $20:08:28.5$; h about 383 km. (USCGS). M= 6.2 (Kiruna, Uppsala).
30	ePP	23 32 11D	Traces. $\Delta=10,780$ km. ~ 97 dg. Northern Celebes $0^{\circ}3'S$, $122^{\circ}6'E$.- H= $23:14:33$; h about 56 km. (USCGS) M= 5.3 (USCGS, Port Moresby).
July 1	e?(SSS)	03 19 06	Traces $\Delta=9,110$ km. ~ 82 dg. NW of Kurile Islands $46^{\circ}3'N$, $146^{\circ}9'E$.- H= $02:47:33.9$; h about 33 km. (USCGS). M= 5.6 (Kiruna, Uppsala).
1	eP	09 59 13	Traces. $\Delta=9,280$ km. ~ 83.5 dg. Kurile Islands $45^{\circ}2'N$, $150^{\circ}3'E$.- H= $09:46:49.6$; h about 75 km. M= 4.8 (USCGS).
2	ei	04 05 24D	Traces. $\Delta=610$ km. ~ 5.5 dg. South coast of Italy $40^{\circ}3'N$, $17^{\circ}3'E$.- H= $04:03:40$ (BCIS).
2	eS	17 27 40	Traces. $\Delta=10,170$ km. ~ 91.5 dg. Off coast of Washington $47^{\circ}7'N$, $128^{\circ}3'W$.- H= $17:03:42.4$; h about 33 km. (USCGS). M= 4.8 (Albuquerque).
5	e?(FP) eSKS eSS	19 26 (23) 32 (38) 40 (41)	Traces. $\Delta=11,440$ km. ~ 103 dg. Gulf of California $26^{\circ}2'N$, $110^{\circ}2'W$.- H= $19:07:58.2$ (USCGS). M= 6.3 (Uppsala, Kiruna, Eskdalemuir). Time correction uncertain.

Date	Phase	Time	Additional Readings and Remarks.
July 5	eP eS	23 48(29) 58(51)	Very weak. $\Delta=9,330$ km. ~ 84 dg. Kurile Islands $44^{\circ}8'N$, $149^{\circ}6'E$.- H= $23:36:01.5$ (USCGS). M= $6\frac{1}{4}$ (Pasadena). Time correction uncertain.
6	ePS	02 42(00)	Traces. $\Delta=11,440$ km. ~ 103 dg. Gulf of California $26^{\circ}2'N$, $110^{\circ}4'W$.- H= $02:14:36$; h about 33 km. (USCGS). M= 6.6 (Kiruna, Uppsala). Time correction uncertain.
6	eiP eSKS	07 36(06)DE 46(44)	Weak. $\Delta=11,500$ km. ~ 103.5 dg. Guerrero, Mexico $18^{\circ}2'N$, $100^{\circ}4'W$.- H= $07:22:09$; h about 92 km. (USCGS). M= 7.3 (Kiruna, Uppsala), Time correction uncertain.
6	eP	10 20(53)	Traces. $\Delta=4,170$ km. ~ 37.5 dg. Hindu Kush $37^{\circ}1'N$, $71^{\circ}4'E$.- H= $10:13:45.2$; h about 100 km. (USCGS). M= 5.9 (USCGS-Bozeman SSS). Time correction uncertain.
8	eP eSKS	12 09 36C 19 53	Very weak. $\Delta=11,780$ km. ~ 106 dg. Banda Sea $5^{\circ}5'S$, $129^{\circ}8'E$.- H= $11:55:39$; h about 165 km. (USCGS). M= 7.1 (Kiruna, Uppsala).
9	ePKP ₁ ePKP ₂ ePP	11 41 54 42 32 46 11	Traces. $\Delta=17,560$ km. ~ 158 dg. Tonga Islands $23^{\circ}3'S$, $175^{\circ}7'W$.- H= $11:22:05.4$; h about 43 km. (USCGS). M= $6\frac{1}{2}$ (Pasadena).
9	iPKP	16 58 57	Weak. $\Delta=15,670$ km. ~ 141 dg. New Hebrides Islands $15^{\circ}5'S$, $167^{\circ}6'E$.- H= $16:39:49.3$; h about 121 km. (USCGS). M= $7\frac{1}{2}$ (Pasadena, Matsushiro, Antofagasta).
	e*iPKP	16 59 08C	Very weak. $\Delta=15,830$ km. ~ 142.5

46.

Date	Phase	Time	Additional Readings and Remarks.
July 11	eP	03 12 46	Very weak. $\Delta = 710$ km. ~ 6.5 dg. South of Italy.- H=03:11.2(BCIS).
11	eP	12 02 36	Traces. $\Delta = 6,780$ km. ~ 61 dg. Mid-Atlantic Ocean $1^{\circ}0'N$, $29^{\circ}3'W$.- H=11:52:25; h about 33 km. (USCGS). M=4.9 (Uinta B, USCGS).
11	eP eS eSKS	20 38 04 48 16 21	Traces. $\Delta = 9,170$ km. ~ 82.5 dg. Gulf of Alaska $59^{\circ}7'N$, $146^{\circ}2'W$.- H=20:25:40.3; h about 40 km. M=5.6 (USCGS).
12	eP eS	01 57 54 02 08 10	Traces. $\Delta = 9,280$ km. ~ 83.5 dg. Near west coast of Honshu, Japan $38^{\circ}6'N$, $139^{\circ}2'E$.- H=01:45:25.6; h about 13 km. (USCGS). M=6 (Tonto Forest, USCGS, JMA, Uinta B).
13	ePS	21 21 06	Traces. $\Delta = 6,670$ km. ~ 60 dg. North Atlantic Ocean $7^{\circ}7'N$, $34^{\circ}7'W$.- H=21:02:33.3; h about 33 km. (USCGS). M=5.6 (Kiruna).
16	eiP	17 41 26	Very weak. $\Delta = 670$ km. ~ 6 dg. Near coast of Southwestern Turkey $36^{\circ}1'N$, $30^{\circ}8'E$.- H=17:39:59.6; h about 61 km. M=4.9 (USCGS).
21	ePKP ₂	04 09 04	Traces. $\Delta = 17,560$ km. ~ 158 dg. Fiji Islands region $26^{\circ}0'S$, $178^{\circ}0'W$.- H=03:48:59.1; h about 222 km. (USCGS). M=6 ¹ / ₂ (Pasadena).
21	eP	10 06 15	Traces. $\Delta = 6,560$ km. ~ 59 dg. Laptev Sea $72^{\circ}1'N$, $130^{\circ}2'E$.- H=09:56:16.6; h about 33 km. (USCGS). M=5.5 (Nurmijaervi, Wichita M. Nueva, Concepcion, Uppsala, Kiruna).

47.

Date	Phase	Time	Additional Readings and Remarks.
July 23	eS	09 57 15	Traces. $\Delta = 5,940$ km. ~ 53.5 dg. About 800 km. north of Ascension Island $0^{\circ}7'S$, $16^{\circ}3'W$.- H=09:40:29.2; h about 33 km. (USCGS). M=4.8 (USCGS, Blue M. State College).
24	eP eS	07 03 22 13 46	Weak. $\Delta = 9,390$ km. ~ 84.5 dg. Kurile Islands $46^{\circ}9'N$, $153^{\circ}9'E$.- H=06:50:52.8; h about 33 km. (USCGS). M=6.0 (Stuttgart, Berkeley, Pasadena).
	e*P	07 03 26	Traces. $\Delta = 9,440$ km. ~ 85 dg.
24	eiP eiS	08 25 08 35 18	An=4.2t, Tn=20 sec., Ae=4.1t, Te=20 sec. $\Delta = 9,330$ km. ~ 84 dg. M=6.4 (Athens). Kurile Islands $47^{\circ}2'N$, $153^{\circ}8'E$.- H=08:12:40.0; h about 33 km. (USCGS). M=6.5 (Pasadena, Nurmijaervi).
	e*P	08 25 14	Traces. $\Delta = 9,440$ km. ~ 85 dg.
24	eP eSKS	13 37 47 48 10	Traces. $\Delta = 9,390$ km. ~ 84.5 dg. Kurile Islands $47^{\circ}0'N$, $153^{\circ}7'E$.- H=13:25:18.3; h about 33 km. (USCGS). M=6.2 (Uppsala, Kiruna).
24	iP eiSKS	17 15 18 25 40	Very weak. $\Delta = 9,330$ km. ~ 84 dg. Kurile Islands $47^{\circ}1'N$, $153^{\circ}6'E$.- H=17:02:49.2; h about 33 km. (USCGS). M=6 ¹ / ₄ (Pasadena).
	e*P	17 15 23	Traces. $\Delta = 9,440$ km. ~ 85 dg.
25	eiSKS eiPPS	19 56 16 20 00 48	ei 50:05. Very weak. $\Delta = 12,220$ km. ~ 110 dg. Northern Chili $27^{\circ}9'S$, $70^{\circ}9'W$.- H=19:31:07.0; h about 26 km. (USCGS). M=6.5 (Pasadena).
27	eP	13 13 07	Traces. $\Delta = 9,390$ km. ~ 84.5 dg. Kurile Islands $46^{\circ}8'N$, $153^{\circ}8'E$.- H=23:00:36.2; h about 33 km. (USCGS). M=5.8 (Uppsala, Kiruna).

48.

Date	Phase	Time	Additional Readings and Remarks.
July 28	ePKS	19 02 50	Traces. $\Delta=14,720$ km. ~ 132.5 dg. About 1000 km. Southwest of Tasmania $51^{\circ}2'S$, $139^{\circ}0'E$.- $H=18:40:04.3$; h about 33 km. (USCGS). $M=6.3$ (Uppsala, Kiruna).
28	eP ei(S)	21 49 37 58 33	Traces. $\Delta=7,500$ km. ~ 67.5 dg. Andaman Islands region $14^{\circ}3'N$, $96^{\circ}2'E$.- $H=21:38:43.5$; h about 33 km. (USCGS). $M=6.6$ (Uppsala Kiruna).
28	eiP	22 57 320	Traces. $\Delta=7,500$ km. ~ 67.5 dg. Andaman Islands region $14^{\circ}1'N$, $96^{\circ}1'E$.- $H=22:46:34.0$; h about 14 km. $M=5.6$ (USCGS).
30	eP	05 29 34	Traces. $\Delta=10,940$ km. ~ 98.5 dg. Near west coast of Costa Rica $11^{\circ}1'N$, $86^{\circ}2'W$.- $H=05:16:03.3$; h about 42 km. (USCGS). $M=6.0$ (Wichita M, Berkeley, Pasadena).
31	eP	04 17 38	Traces. $\Delta=9,500$ km. ~ 85.5 dg. Kurile Islands $44^{\circ}6'N$, $151^{\circ}6'E$.- $H=04:05:06.2$; h about 53 km. (USCGS). $M=6.4$ (Uppsala, Kiruna).
31	ei(PF)	06 12 44	Traces. $\Delta=13,500$ km. ~ 121.5 dg. New Britain $6^{\circ}1'S$, $149^{\circ}4'E$.- $H=05:52:18.8$; h about 63 km. (USCGS). $M=6\frac{1}{2} = 6\frac{3}{4}$ (Matsushiro, Pasadena).
31	eP e(S) eSSS	23 54 42 00 01 48 05 20	Traces. $\Delta=5,440$ km. ~ 49 dg. Arctic Ocean $86^{\circ}4'N$, $41^{\circ}4'E$.- $H=23:45:58$ (BCIS). $M=5.8$ (Kiruna).
Aug. 1	eS	21 53 51	Traces. $\Delta=7,500$ km. ~ 70.5 dg. Mascarene Islands region $19^{\circ}9'S$, $66^{\circ}4'E$.- $H=21:33:28$; h about 33 km. (USCGS). $M=3.6$ (Quetta).

49.

Date	Phase	Time	Additional Readings and Remarks.
Aug. 2	eP eSKKS	08 48 56 59 30	Traces. $\Delta=9,560$ km. ~ 86 dg. Gulf of Alaska $56^{\circ}2'N$, $149^{\circ}9'W$.- $H=08:36:16.9$; h about 31 km. (USCGS). $M=6$ (Pasadena).
2	eP	10 42 27	Traces. $\Delta=1,060$ km. ~ 9.5 dg. Central Italy $42^{\circ}7'N$, $13^{\circ}0'E$.- $H=10:40:19$ (BCIS) $M=4.5$ (USCGS).
3	eP	02 00 13	Traces. $\Delta=8,440$ km. ~ 76 dg. Dominican Republic region $19^{\circ}8'N$, $70^{\circ}7'W$.- $H=01:48:23.3$; h about 7 km. (USCGS). $M=5.7$ (Uppsala, Kiruna).
3	eP	07 57 02D	Traces. $\Delta=9,110$ km. ~ 82 dg. Near south coast of Taiwan $22^{\circ}6'N$, $121^{\circ}3'E$.- $H=07:44:44.3$; h about 33 km. (USCGS). $M=6.0$ (Kew, Kiruna, Uppsala).
4	eiP eS	17 36 48D 46 59	Traces. $\Delta=9,280$ km. ~ 83.5 Kurile Islands $46^{\circ}5'N$, $151^{\circ}0'E$.- $H=17:24:29.2$; h about 101 km. (USCGS). $M=6$ (Uppsala, Kiruna, College).
	e*P	17 36 52	Traces. $\Delta=9,340$ km. ~ 84 dg.
4	eS	23 26 36	Traces. $\Delta=2,060$ km. ~ 18.5 dg. Iran-Iraq border region $34^{\circ}3'N$, $46^{\circ}0'E$.- $H=23:18:25$ (BCIS). $M=4\frac{1}{2}$ (URSS).
5	eP	04 37 07	Traces. $\Delta=9,330$ km. ~ 84 dg. Ryukyu Islands $27^{\circ}1'N$, $128^{\circ}1'E$.- $H=04:24:51.3$; h about 144 km. (USCGS). $M=5.1$ (USCGS, Eureka, Stuttgart).
5	ePKP1	11 25 32	Traces. $\Delta=17,720$ km. ~ 159.5 dg. South of Kermadec Islands $32^{\circ}1'S$, $179^{\circ}8'E$.- $H=11:06:02.6$; h about 235 km. (USCGS). $M=6\frac{3}{4}$ (Pasadena).

50.

Date	Phase	Time	Additional Readings and Remarks.
Aug. 5	ePKP	22 42 01C	e? 41:57. Very weak. $\Delta = 13,280$ km. ~ 119.5 dg. Off coast of southern Chile 41°S, 74°W. - H=22:23:13; h about 33 km. (USCGS). M=6 $\frac{3}{4}$ (Pasadena).
6	eP	02 45 40	Traces. $\Delta = 9,170$ km. ~ 82.5 dg. South west of Kyushu, Japan 31°N, 129°E. - H=02:33:39.5; h about 197 km. (USCGS). M=5.8 (Kiruna, Uppsala, København).
6	eP e(S)	18 37 24 47 58	Traces. $\Delta = 9,500$ km. ~ 85.5 dg. Kodiak Island region 56°N, 152°W. - H=18:24:47; h about 39 km. (USCGS). M=5.6 (USCGS, Kiruna, Uppsala, Praha, Blacksburgh).
8	eP	15 12 22	Traces. $\Delta = 9,890$ km. ~ 89 dg. South of Honshu, Japan 31°N, 140°E. - H=14:59:41.2; h about 110 km. (USCGS). M=6.4 (Uppsala, Kiruna).
10	eP	01 22 17	Traces. $\Delta = 8,780$ km. ~ 79 dg. Mona Passage 19°N, 67°W. - H=01:10:12.4; h about 33 km. (USCGS). M=6-6 $\frac{1}{4}$ (Pasadena).
10	e	18 25.2	Traces. $\Delta = 3,220$ km. ~ 29 dg. Iran 30°N, 57°E. - H=18:18:35 (BCIS). M=4.5 (USCGS, Nurmi jaervi).
12	eP	19 31 22	Traces. $\Delta = 2,500$ km. ~ 22.5 dg. Western Iran 30°N, 49°E. - H=19:26:26 (BCIS). M=5.1 (USCGS, Stuttgart, Shillong).
13	eP	00 46 06	Traces. $\Delta = 13,830$ km. ~ 124.5 dg. Solomon Islands 5°S, 154°E. - H=00:31:14.1; h about 383 km. (USCGS). M=6 $\frac{3}{4}$ (Pasadena).

51.

Date	Phase	Time	Additional Readings and Remarks.
Aug. 13	eP	18 36 31	Traces. $\Delta = 6,610$ km. ~ 59.5 dg. Ascension Island region 10°S, 13°W. - H=18:26:30.7; h about 33 km. (USCGS). M=5.1 (USCGS, Wichita M, Cumberland Pl.).
14	eP eS	21 38 09 46 24	Traces. $\Delta = 6,940$ km. ~ 62.5 dg. Central Mid-Atlantic Ridge 7°N, 36°W. - H=21:27:41.6; h about 33 km. M=4.8 (USCGS).
16	eP	21 33 50	Traces. $\Delta = 2,500$ km. ~ 22.5 dg. Caspian Sea 39°N, 52°E. - H=21:28:50 (BCIS). M=4.8 (USCGS).
17	e	15 23.5	Traces. $\Delta = 4,000$ km. ~ 36 dg. Norwegian sea 72°N, 1°E. - H=15:15:20 (BCIS). M=5.4 (Stuttgart, Longmire, Cumberland Pl., USCGS).
18	e	05 05.4	Traces. $\Delta = 12,170$ km. ~ 109.5 dg. Off coast of northern Chile 26°S, 71°W. - H=04:44:58; h about 8 km. (USCGS) M=6 $\frac{1}{4}$ -6 $\frac{1}{2}$ (Pasadena, Matsushiro).
19	eP eiPP eiPPP eS	09 38 40 39 27 40 43 08	Very weak. $\Delta = 2,890$ km. ~ 26 dg. Southern Iran 28°N, 52°E. - H=09:33:08; h about 40 km. (BCIS). M=5.7 (Uppsala, Kiruna).
19	eP	15 25 44CW	Traces. $\Delta = 2,890$ km. ~ 26 dg. Southern Iran 28°N, 52°E. - H=15:20:14; h about 55 km. (BCIS). M=5.7 (Uppsala, Kiruna, Shillong).
20	e?(P)	02 15 20	Traces. $\Delta = 4,000$ km. ~ 36 dg. Norwegian Sea 72°N, 1°E. - H=02:08:17 (BCIS). M=5.1 (USCGS, Uinta B., Eureka).

52.

Date	Phase	Time	Additional Readings and Remarks.
Aug. 20	e	04 09.2	Traces. $\Delta = 8,440$ km. ~ 76 dg. Iceland $63^{\circ}9'N$, $20^{\circ}5'S$. - H=03:56:29.2; h about 33 km. (USCGS). M=5.1 (Stuttgart, Kiruna, Pruhonic, Uppsala).
20	eP	05 45 18	Traces. $\Delta = 2,890$ km. ~ 26 dg. Southern Iran $28^{\circ}2'N$, $52^{\circ}6'E$. - H=05:39:46; h about 40 km. (BCIS). M=5.8 (Uppsala, Kiruna).
21	eP eS	08 04 46 09 17	Traces. $\Delta = 2,890$ km. ~ 26 dg. Southern Iran $28^{\circ}2'N$, $52^{\circ}6'E$. - H=07:59:15 (BCIS). M= $4\frac{3}{4}$ -5 (URSS).
21	ePPP	16 52 47	Traces. $\Delta = 1,500$ km. ~ 13.5 dg. Turkey $39^{\circ}9'N$, $40^{\circ}9'E$. - H=16:49:13 (BCIS). M=4.6 (USCGS).
23	ePP e(PS)	15 44 26 54 00	Traces. $\Delta = 13,440$ km. ~ 121 dg. New Britain region $6^{\circ}1'S$, $149^{\circ}4'E$. - H=15:24:05.3; h about 63 km. (USCGS). M=6 $\frac{1}{2}$ (Pasadena).
24	eP eS	22 09 22 19 38	Traces. $\Delta = 9,330$ km. ~ 84 dg. Gulf of Alaska $58^{\circ}4'N$, $150^{\circ}3'W$. - H=21:56:54.2; h about 22 km. (USCGS). M=5.8 (State College, USCGS, Nueva, Conception).
25	eP ePP eiS ePS eiSS e*P	13 56 52 59 02 04 34 48 08 23 13 56 55	Weak. $\Delta = 6,170$ km. ~ 55.5 dg. East of Severnaya Zemlya $78^{\circ}2'N$, $126^{\circ}6'E$. - H=13:47:20.6; h about 50 km. (USCGS). M=7.0 (Moscow, Pasadena, Praha). Traces. $\Delta = 6,220$ km ~ 56 dg.
26	eP	03 26 16	Traces. $\Delta = 4,390$ km. ~ 39.5 dg. North Atlantic Ridge $52^{\circ}1'N$, $30^{\circ}2'W$. - H=03:18:39 (BCIS). M=5.4 (Wichita M, USCGS).

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Date	Phase	Time	Additional Readings and Remarks.
Aug. 27	e	12 16.2	Traces. $\Delta = 3,170$ km. ~ 28.5 dg. Southern Iran $28^{\circ}2'N$, $55^{\circ}8'E$. - H=11:58:39; h about 55 km. (BCIS). M=5.1 (USCGS).
27	e	13 07.9	Traces. $\Delta = 3,170$ km. ~ 28.5 dg. Southern Iran $28^{\circ}0'N$, $55^{\circ}8'E$. - H=12:56:50; h about 45 km. (BCIS) M=5.3 (USCGS).
Sept. 1	eP eiS	13 32 25 40 23	Traces. $\Delta = 6,440$ km. ~ 58 dg. India-China border region $27^{\circ}2'N$, $92^{\circ}3'E$. - H=13:22:36.6; h about 33 km. (USCGS). M=6.0 (Kiruna, Uppsala).
1	eP	17 29 45	Traces. $\Delta = 10,060$ km. ~ 90.5 dg. Fox Islands, Aleutian Islands $51^{\circ}2'N$, $170^{\circ}6'W$. - H=17:16:40.4; h about 25 km. (USCGS). M=6.1 (Uppsala, Kiruna).
4	eiP	03 38 58C	Traces. $\Delta = 6,940$ km. ~ 62.5 dg. Central Mid-Atlantic ridge $7^{\circ}6'N$, $36^{\circ}9'W$. - H=03:28:33.1; h about 22 km. (CGS). M=5.6 (Kiruna, Uppsala).
4	eS	11 00 21	Traces. $\Delta = 11,780$ km. ~ 106 dg. West New Guinea region $4^{\circ}0'S$, $131^{\circ}4'E$. - H=10:34:13.1; h about 33 km. (CGS). M=6.2 (Quetta, Uppsala, Kiruna, Berkeley, Eskdalemuir).
5	ePS ePPS	03 24 28 26 07	e 14:10. Traces. $\Delta = 13,780$ km. ~ 124 dg. Solomon Islands $5^{\circ}8'S$, $154^{\circ}0'E$. - H=02:53:50.6; h about 69 km. (CGS). M=6 $\frac{3}{4}$ (Pasadena).

Date	Phase	Time	Additional Readings and Remarks.
Sept. 25	ePP eSKS ePS	15 58 46 16 05 43 07 08	e 56:13. Traces. $\Delta = 9,890$ km. ~ 89 dg. Rat Islands, Aleutian Islands $50^{\circ}3'N$, $176^{\circ}6'E$.- H=15:42:17.9; h about 30 km. (CGS). M=5.7 (Uppsala, Nurmijaervi, Kiruna, København).
26	eP e(PcP) e(FP) ei(S)	00 54 32 56 03 26 01 01 22	Traces. $\Delta = 5,220$ km. ~ 47 dg. Tibet-India border region $30^{\circ}4'N$, $80^{\circ}7'E$.- H=00:46:02.8; h about 50 km. M=6.2 (CGS).
27	eP eS	16 03 33 13 55	Traces. $\Delta = 9,500$ km. ~ 85.5 dg. Kodiak Island region $56^{\circ}6'N$, $152^{\circ}0'W$.- H=15:50:54.7; h about 27 km. (CGS). M=5.7 (Uppsala, Kiruna, København).
28	eP	05 14 49	Traces. $\Delta = 6,560$ km. ~ 59 dg. Central Mid-Atlantic Ridge $1^{\circ}2'S$, $24^{\circ}1'W$.- H=05:04:55.5; h about 37 km. (CGS). M=5.5 (CGS, Eskdalemuir, Roma).
29	ePKP ₁ eiPP	14 20 08 24 16 C	Traces. $\Delta = 17,390$ km. ~ 156.5 dg. Tonga Islands $20^{\circ}4'S$, $174^{\circ}4'W$.- H=14:00:14.9; h about 29 km. (CGS). M=6 ¹ / ₂ (Pasadena).
Oct. 1	eP	19 11 13	Traces. $\Delta = 830$ km. ~ 7.5 dg. Italy $42^{\circ}0'N$, $14^{\circ}3/4'E$.- H=19:09.3 (BCIS).
1	eiP eS	01 10 23 C 20 06	Traces. $\Delta = 8,440$ km. ~ 76 dg. Sakhalin Island $51^{\circ}9'N$, $142^{\circ}9'E$.- H=00:58:39.2; h about 33 km. (CGS). M=5.8 (Nurmijaervi, Uppsala, Kiruna, Cumberland Pl., Eureka, State College).
2	ePKP eiPP	13 19 51 22 22	Traces. $\Delta = 14,930$ km. ~ 134 dg. Solomon Islands $10^{\circ}5'S$, $162^{\circ}4'E$.- H=13:00:39.7; h about 68 km. (CGS). M=6 ¹ / ₂ (Pasadena).

Date	Phase	Time	Additional Readings and Remarks.
Oct. 4	eP eiS	01 48 27 49 39	Traces. $\Delta = 720$ km. ~ 6.5 dg. Turrhenian Sea $39^{\circ}1'N$, $15^{\circ}6'E$.- H=01:46:51; h about 245 km. (BCIS). M=4.6 (ISC).
7	eS	20 26 12	Traces. $\Delta = 680$ km. ~ 6.1 dg. Southern Turkey. Probably $36^{\circ}3/4'N$, $31^{\circ}0'E$.- H=20:23.6 (BCIS).
8	e(P)	18 46 33	Traces.
10	e?(P)	19 51 09	Traces. $\Delta = 9,060$ km. ~ 81.5 dg. Southern Alaska $60^{\circ}4'N$, $146^{\circ}1'W$.- H=19:38:47.7; h=44 km. M=5.3 (CGS).
11	eiP eSKS	21 28 31 D 39 07	Traces. $\Delta = 10,720$ km. ~ 96.5 dg. Northern Celebes $0^{\circ}6'S$, $121^{\circ}7'E$.- H=21:15:03.9; h=33 km. (CGS). M=6.5 (Uppsala, Kiruna).
12	eiP	15 56 26 C	Traces. $\Delta = 10,890$ km. ~ 98 dg. Ta-land Island $3^{\circ}0'N$, $126^{\circ}7'E$.- H=15:42:54.7; h=59 km. (CGS). M=5.9 (CGS, Longmire, Hawai Volc Obs).
12	ePKP	22 15 06	Traces. $\Delta = 15,830$ km. ~ 142.5 dg. Easter Island region $31^{\circ}3'N$, $110^{\circ}8'W$.- H=21:55:33.2; h=25 km. (CGS). M=6 ¹ / ₄ (Pasadena, Berkeley).
13	e	11 37.3	Traces.
14	e?P ePP eS	03 17 48 21 22 28 18	Traces. $\Delta = 9,830$ km. ~ 88.5 dg. Off east coast of Honshu, Japan $33^{\circ}4'N$, $141^{\circ}8'E$.- H=03:04:59.6; h=33 km. (CGS). M=5.7 (Kiruna, Uppsala, Wichita M).
14	eP eSS	17 33 04 41 06	Traces. $\Delta = 3,940$ km. ~ 35.5 dg. Arabian Sea $14^{\circ}5'N$, $53^{\circ}7'E$.- H=17:26:03.2; h=33 km. (ISC). M=5.4 (Uppsala, Kiruna).

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Date	Phase	Time	Additional Readings and Remarks.
Oct. 15	eiP ePP eS	20 39 21 D 42 40 49 42	Traces. $\Delta = 9,390$ km. ~ 84.5 dg. Kurile Islands $44.0^{\circ}N$, $149.8^{\circ}E$. - H=20:26:53.5 (CGS). M=6.1 (Uppsala, Kiruna, Kew).
	e*P	20 39 27	Traces. $\Delta = 9,440$ km. ~ 85 dg.
16	eiP eiPP eiSKS	07 12 10 C 15 30 22 35	Weak. $\Delta = 9,390$ km. ~ 84.5 dg. Kurile Islands $44.0^{\circ}N$, $149.5^{\circ}E$. - H=06:59:38.6; h=33 km. (CGS). M=6.6 (Kiruna Uppsala, Kobenhavn).
16	eP eiS	08 31 13 41 31	Very weak. $\Delta = 9,390$ km. ~ 84.5 dg. Kurile Islands $44.6^{\circ}N$, $149.4^{\circ}E$. - H=08:18:28.3; h=33 km. (CGS). M=6.3 (Uppsala, Kiruna).
16	eiP	09 30 48 C	Very weak. $\Delta = 9,390$ km. ~ 84.5 dg. Kurile Islands $44.5^{\circ}N$, $149.1^{\circ}E$. - H=09:18:16.6; h=33 km. (CGS). M=6.3 (Kiruna, Uppsala).
16	eP	12 50 08	Traces. $\Delta = 9,390$ km. ~ 84.5 dg. Kurile Islands $44.3^{\circ}N$, $149.4^{\circ}E$. - H=12:37:26.8, h=33 km. (CGS). M=5.8 (Uppsala, Kiruna).
17	eiPKP	06 15 28 D	Traces. $\Delta = 16,440$ km. ~ 148 dg. Loyalty Islands region $22.3^{\circ}S$, $171.5^{\circ}E$. - H=05:55:54.5; h=116 km. (CGS). M=5.3 (CGS, Riverview).
18	eP e(S)	03 15 33 22 54	Traces. $\Delta = 5,780$ km. ~ 52 dg. Carlsberg Ridge $2.9^{\circ}N$, $65.7^{\circ}E$. - H=09:06:26. M=6.3 (CGS).
18	eiP eiPP i!(SKS)	12 45 20 C 47 24	Very weak. $\Delta = 11,330$ km. ~ 102 dg. Banda Sea $7.0^{\circ}S$, $124.0^{\circ}E$. - H=12:32:24.1; h=574 km. (CGS). M=7.0 (Uppsala, Kew Kiruna).
18	e	21 46.3	Traces.

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Date	Phase	Time	Additional Readings and Remarks.
Oct. 18	e	22 48.3	Traces.
20	e	08 33 06	Traces.
21	e	08 20.3	Traces.
21	eiP i!S eiG	23 19 12 CW 27 12 33 44	Weak. $\Delta = 6,440$ km. ~ 58 dg. India-China border region $28.1^{\circ}N$, $93.8^{\circ}E$. - H=23:09:18.8; h=37 km. (CGS). M=6.9 (Uppsala, Kiruna, Lwov).
	e*P	23 19 23	Traces. $\Delta = 6,670$ km. ~ 60 dg.
23	e*P	02 07 14	Traces. $\Delta = 7,780$ km. ~ 69 dg. North Atlantic Ocean $19.8^{\circ}N$, $56.0^{\circ}W$. - H=01:56:03.2; h=31 km. (CGS). M=6.4 (Santa Lucia, Pasadena).
	eP eiPP	02 07 15 C 09 55	Very weak. $\Delta = 7,780$ km. ~ 70 dg.
23	e	21 15.3	Traces.
27	eP	19 49 00	Weak. $\Delta = 1,280$ km. ~ 11.5 dg. Austria $47.0^{\circ}N$, $16.1^{\circ}E$. - H=19:46:11 (BCIS). M=5.5 (CGS).
27	e	22 47.4	Traces.
29	e*P	04 37 23	Traces. $\Delta = 560$ km. ~ 5 dg. Yugoslavia $43.2^{\circ}N$, $20.5^{\circ}E$. - H=04:35:57 (BCIS). M=4.9 (CGS, ISC).
	eiP	04 37 28 C	Traces. $\Delta = 635$ km. ~ 5.7 dg.
30	e?	02 51.7	Traces.
Nov. 1	ePP eiPPS	12 44 22 50 15	Traces. $\Delta = 11,390$ km. ~ 102.5 dg. North of Halmahera, $3.1^{\circ}N$, $128.1^{\circ}E$. - H=12:26:07; h=77 km. M=5.8 (ISC).

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Date	Phase	Time	Additional Readings and Remarks.
Nov. 2	eP	23 02 07	Traces. $\Delta = 1,220$ km. ~ 11 dg. Northern Italy $44^{\circ}5'N$, $11^{\circ}4'E$.- H=22:59:39; h=55 km.; M=4.4 (ISC).
3	eP	17 40 48	Traces. $\Delta = 2,330$ km. ~ 21 dg. Iran $35^{\circ}6'N$, $50^{\circ}3'E$.- H=17:36:09; h=42 km.; M=5.1 (ISC).
6	e*P eP eiSKS	10 05 29 10 05 49 16 10	Traces. $\Delta = 8,890$ km. ~ 80 dg. Very weak. $\Delta = 9,330$ km. ~ 84 dg. Kurile Islands $44^{\circ}4'N$, $149^{\circ}1'E$.- H=09:53:21; h=42 km.; M=5.6 (ISC).
8	e*(PKP) ePKP ₁ eiPKP ₂	03 03 19 03 03 38 45	Traces. $\Delta = 16,440$ km. ~ 148 dg. Very weak. $\Delta = 16,610$ km. ~ 149.5 dg. Auckland Islands region $49^{\circ}N$, $164^{\circ}2'E$.- H=02:43:57; h=33 km.; M=5.6 (ISC).
8	eP eiS	10 38 41 43 03	Traces. $\Delta = 2,670$ km. ~ 24 dg. Southern Iran $29^{\circ}6'N$, $51^{\circ}E$.- H=10:33:27; h=36 km.; M=5.2 (ISC).
9	eiP eiS	08 10 11 CW 13 48	Traces. $\Delta = 2,170$ km. ~ 19.5 dg. Iran-USSR border region $39^{\circ}9'N$, $48^{\circ}5'E$.- H=08:05:48; h=50 km.; M=5.0 (ISC).
10	eP	15 52 39	Traces. $\Delta = 2,390$ km. ~ 21.5 dg. Western Iran $32^{\circ}7'N$, $49^{\circ}2'E$.- H=15:47:53; h=55 km.; M=5.3 (ISC).
12	ePKP ₁	13 41 09	Traces. $\Delta = 17,780$ km. ~ 160 dg. Kermadec Islands $29^{\circ}2'S$, $178^{\circ}1'W$.- H=13:21:03; h=35 km. (ISC).
16	eP	05 30 34	Traces. $\Delta = 1,440$ km. ~ 13 dg. Turkey $39^{\circ}5'N$, $40^{\circ}3'E$.- H=05:27:29; h=16 km.; M=4.8 (ISC).
17	ePKP eiPP eiPPP eiPS	08 34 29 36 09 38 49 C 45 55	Weak. $\Delta = 13,560$ km. ~ 122 dg. New Britain region $5^{\circ}8'S$, $150^{\circ}7'E$.- H=08:15:41; h=60 km.; M=6.3 (ISC).

63.

Date	Phase	Time	Additional Readings and Remarks.
Nov. 17	e*PKP	08 34 35	Traces. $\Delta = 13,720$ km. ~ 123.5 dg.
18	e(P) ePS	14 55 10 15 05 06	Traces. $\Delta = 13,440$ km. ~ 121 dg. New Britain Region $6^{\circ}0'S$, $148^{\circ}2'E$.- H=14:34:55; h=61 km.; M=5.5 (ISC).
18	ePP ePPP	22 45 03 48 36	Traces. $\Delta = 17,220$ km. ~ 155 dg. Tonga Islands $20^{\circ}5'S$, $173^{\circ}9'W$.- H=22:21:02; h=31 km.; M=5.8 (ISC).
19	ePKP eiPP eiPS	23 54 05 55 44 00 05 38	Traces. $\Delta = 13,720$ km. ~ 123.5 dg. New Britain Region $6^{\circ}0'S$, $150.8'E$.- H=23:35:06; h=3 km.; M=5.9 (ISC).
20	eP eiPPS	23 45 38 57 15	Very weak. $\Delta = 9,390$ km. ~ 84.5 dg. Kurile Islands $44^{\circ}6'N$, $149^{\circ}9'E$.- H=23:33:07; h=19 km.; M=5.4 (ISC).
24	eP eiS	10 54 16 11 04 52	Traces. $\Delta = 9,890$ km. ~ 89 dg. Java $6^{\circ}8'S$, $107^{\circ}3'E$.- H=10:41:34; h=130 km.; M=5.5 (ISC).
24	iP eiPP eiSKS iPS	12 53 57 C 57 33DE 13 04 33 06 04	Weak. $\Delta = 10,000$ km. ~ 90 dg. Luzon, Philippine Islands $13^{\circ}1'N$, $124^{\circ}6'E$.- H=12:40:56; h=25 km.; M=5.6 (ISC).
26	eP eiPP eS	10 33 21 36 34 C 43 27	Traces. $\Delta = 9,110$ km. ~ 81 dg. Taiwan region $24^{\circ}9'N$, $122^{\circ}0'E$.- H=10:21:06; h=17 km.; M=5.4 (ISC).
27	eP eS	14 00 07 10 30	Traces. $\Delta = 9,280$ km. ~ 83.5 dg. Near west coast of Honshu, Japan $38^{\circ}0'N$, $138^{\circ}3'E$.- H=13:47:38; h=0 km.; M=5.6 (ISC).
30	eiP eiPPP eiS eiPPS	12 38 54 D 43 23DNW 48 02 47	Weak. $\Delta = 7,890$ km. ~ 71 dg. Nicobar Islands region $6^{\circ}8'N$, $94^{\circ}5'E$.- H=12:27:38; h=24 km.; M=5.7 (ISC).

62.

Date	Phase	Time	Additional Readings and Remarks.
Dec. 3	eiP eiPP eiS ePPS	04 00 46 D 03 17 D 09 36 10 15	Traces. $\Delta = 7,390$ km. ~ 66.5 dg. Mid-Indian Rise $14^{\circ}8'S$, $66^{\circ}8'E$.- H=03:50:02; h=50 km.; M=5.7 (ISC).
7	eFKP ePP ePS	09 17 32 19 13 28 56	Traces. $\Delta = 13,610$ km. ~ 122.5 dg. New Britain Region $5^{\circ}4'S$, $151^{\circ}2'E$.- H=08:58:45; h=70 km.; M=5.7 (ISC).
10	eiP ePP eiS eSS	15 23 22 C 26 40 33 26 38 45	Weak. $\Delta = 9,110$ km. ~ 82 dg. Near west coast of Honshu, Japan, $40^{\circ}5'N$, $139^{\circ}1'E$.- H=15:11:05; h=25 km.; M=5.9 (ISC).
14	eP eSKS eiPS	02 12 24 22 59 24 50	Weak. $\Delta = 10,500$ km. ~ 94.5 dg. Bouvet Island Region $54^{\circ}2'S$, $2^{\circ}W$.- H=01:59:05; h=33 km.; M=5.7 (ISC).
15	eP	12 21 22	Traces. $\Delta = 4,940$ km. ~ 44.5 dg. Guatemala $14^{\circ}7'N$, $91^{\circ}7'W$.- H=12:13:24; h=101 km.; M=5.4 (ISC).
17	eP	05 31 05	Traces. $\Delta = 9,330$ km. ~ 84 dg. Kurile Islands $45^{\circ}4'N$, $150^{\circ}1'E$.- H=05:18:41; h=61 km.; M=5.3 (ISC).
17	eP ePP eSS	23 57 34 00 01 05 14 21	Traces. $\Delta = 9,890$ km. ~ 89 dg. Andrea-nof Islands, Aleutian Islands $51^{\circ}5'N$, $177^{\circ}8'W$.- H=23:44:45; h=38 km.; M=5.5 (ISC).
22	eiP	04 42 35 C	Weak. $\Delta = 3,220$ km. ~ 29 dg. Southern Iran $28^{\circ}2'N$, $56^{\circ}9'E$.- H=04:36:36; h=43; M=5.6 (ISC).
26	eP	14 42 30	Traces. $\Delta = 9,060$ km. ~ 81.5 dg. Kamohatka $51^{\circ}9'N$, $156^{\circ}7'E$.- H=14:30:30; h=145 km.; M=5.7 (ISC).
27	ePPS	18 08 35	Traces. $\Delta = 9,890$ km. ~ 89 dg. Samar, Philippine Islands $12^{\circ}9'N$, $125^{\circ}4'E$.- H=17:43:17; h=1 km.; M=5.6 (ISC).

63.

Date	Phase	Time	Additional Readings and Remarks.
Dec. 28	ePKP epPKP eiPP	16 34 57 37 15 D 38 59	Very weak. $\Delta = 17,170$ km. ~ 154.5 dg. South of Fizi Islands $22^{\circ}1'S$, $179^{\circ}6'E$.- H=16:16:09; h=577 km.; M=5.7 (ISC).
	e*(PKP)	16 35 06	Traces. $\Delta = 17,440$ km. ~ 157 dg.

B. SHORT DISTANCE SHOCKS.

<u>Date</u>	<u>Phase</u>	<u>Time</u>	<u>Additional Readings and Remarks.</u>
Jan. 1	ePn eiSy	17 08 49.7 09 51.8	Traces. $\Delta = 450$ km. ~ 4 dg. Near east coast of Rhodes Island $36^{\circ}2'N$, $28^{\circ}3'E$. - H=17:07:49. Recorded up to 19° ; No of stations 7 (BCIS). Magnitude adopted $3\frac{1}{2}$.
2	e	09 30 50.4	Traces. Felt on Cephalonia Island (III at Sami).
2	eiPn eiSn	15 17 35.8 D 18 09.4	Very weak. $\Delta = 300$ km. ~ 2.7 dg. Off north coast of Crete Island about $36^{\circ}N$, $26^{\circ}E$. - H=15:16:48. Recorded up to 23° ; No of stations 8 (BCIS). Magnitude adopted $3\frac{1}{2}$. Felt on Kalymnos Island (IV at Kalymnos).
4	ePn eiPg eiSn	07 50 17.9 22.4 44.2	Traces. $\Delta = 225$ km. ~ 2 dg. Felt in Messinia (IV at Kyparissia).
6	e*Pg eiPn ePg eiSn eiSg	07 09 50.8 07 09 56.7D 57.1E 10 14.5 16.0	Traces. Very weak. $\Delta = 155$ km. ~ 1.4 dg. Felt in Arcadia (V+ at Valtesinikon).
6	eSg	17 26 49.0	Traces. Felt in Magnesia (IV+ at Sesklon).
9	ePg eiSg	18 18 40.0 19 07.0	Traces. $\Delta = 225$ km. ~ 2 dg. Near south coast of Lesbos Island about $39^{\circ}\frac{1}{4}'N$, $25^{\circ}\frac{3}{4}'E$. - H=18:18.0 (BCIS). Magnitude adopted 3.
10	e*Pg ePn	03 34 37.6 03 34 58.4	Traces. $\Delta = 80$ km. ~ 07 dg. Very weak. $\Delta = 245$ km. ~ 2.2 dg.

Date	Phase	Time	Additional Readings and Remarks.
Jan. 10	eiPg eiSg	35 03.4 D 33.4	Near west coast of central Greece 38°6'N, 21°0'E.- H=03:34:24. Recorded up to 95°; No of stations 19 (BCIS). M=5.4 (Stuttgart), 4.5 (Tonto Forest), 4.4 (Wichita M, Cumberland Pl.), 4.3 (Blue M) 3.9 (Uinta B). Magnitude adopted 5. Felt in Aetolia (IV+ at Arinion IV at Mesolonghion, III+ at Aetolikon), Acarnania (IV at Astakos), Preveza (IV at Preveza) and on the Island of Leukas (III+ at Leukas) and Ithaca (III at Ithaca). Area of felt shaking about 5,000 km ² . M=3.7*.
10	e	22 09 20.9	Traces. Felt in Elis (IV at Kalidona).
18	e	12 23 40.4	Traces. Felt in Emathia (IV at Csechasmeni).
20	e	11 44 47.2	Traces. Felt in Elis (III at Zacharo).
21	e	00 43 38.9	Traces. Felt in Kilkis (IV at Pedion, III+ at Mavronerion).
22	ePn ePb eiSn ei (Sb) eiSg	20 41 38.6 41.1 42 06.0 08.5 12.6	Very weak. Δ=240 km. ~ 2.2 dg. Aegean Sea. H=20:41.0 (BCIS). Felt on St.- Eustratios Island (IV at St.- Eustratios).
24	ePg eiSn	22 05 04.1 25.3	Traces. Δ= 220 Km. ~ 2.0 dg. Felt on Chios Island (IV+ at Kardamy-la).
27	ePn ei(Fb) eiSy	06 13 45.1 51.2D 57.6	Traces. Δ= 525 Km. ~ 4.7 dg. Off southeast coast of Crete Island 34°N, 27°E. -H = 06:12.5 (BCIS). Magnitude adopted 3.

Date	Phase	Time	Additional Readings and Remarks.
Jan. 27	eSg	17 33 13.4	Traces. Felt on Zante Island (IV at Skoulikadon).
29	e(Sb)	19 43 39.5	Traces. Δ=485 km. ~ 4.4 dg. Near south coast of Turkey 36°8'N, 29°0'E.- H=19:41:30. Recorded up to 22°; No of Stations 8 (BCIS). Magnitude adopted 3 ¹ / ₂ .
29	e	22 31 45.0	Traces. Δ=473 km. ~ 4.3 dg. Near south coast of Turkey 36°6'N, 28°8'E.- H=22:28:57. Recorded up to 22°; No of stations 13 (BCIS). Magnitude adopted 4.
30	ePn eFb eSg	10 08 57.1 59.5 09 37.8	Traces. Δ=275 km. ~ 2.5 dg. Probably Aegean Sea.- H=10:08.2 (BCIS).
30	ePn eiSg	12 55 35.5 49.7	Very weak. Δ=115 km. ~ 1 dg. Felt in Arcadia (IV+ at Doliana, IV at Astros).
31	ePg eiSg	09 14 18.7 33.5	Traces. Δ=120 km. ~ 1.1 dg. Felt in Arcadia (V+ at Stadion, IV at Rizae) and Argolis (III+ at Nauplion).
31	e*?(Pg) ePn ei!Sn	09 23 31.4 09 23 36.0 52.0	Traces. Δ=95 km. ~ 0.9 dg. An=4μ, Tn=1 sec., Ae=8μ, Te=1 sec., Δ=140 km. ~ 1.3 dg. M=4 (Athens). Peloponesus 37°5'N, 22°3'E.- H=09:23:12. Recorded up to 91°; No of Stations 17 (BCIS). M=4.5 (Wichita M), 4.4 (Cumberland Pl., Nurmijaervi), 4.3 (US CGS), 4.2 (Uinta B), 4.1 (Blue M). Magnitude adopted 4 ³ / ₄ . Felt in Arcadia (IV+ at Nestani, Loukas, Levidion, Parthenion, Rizae, IV at Stadion, II at Astros), Argolis (IV+Nea-Tirynthos, IV at

68.

Date	Phase	Time	Additional Readings and Remarks.
Jan. 31			Karya), and <u>Corinthia</u> (IV at Nemea). Area of felt shaking about 10,000 km ² . M.M=4.1*.
31	e*(Sg) ePn eiSg	09 26 53.5 09 26 41.0 57.0	Traces. Δ = 100 km. ~ 0.9 dg. Weak. Δ = 120 km. ~ 1.1 dg. After-shock. Peloponnesus about 37°5 N, 22°5E.- H=09:26.3 (BCIS). Magnitude adopted 3 ³ / ₄ . Felt in Arcadia (IV+ at Parthenion, IV at Nestani, Loukas, Rizae).
31	eiSg	12 11 53.0	Traces. Felt in Arcadia (IV at Loukas).
31	eiSg	12 20 57.0	Traces. Felt in Arcadia (IV at Nestani).
31	eiSg	13 07 27.9	Traces. Felt in Arcadia (IV at Loukas).
Feb. 1	e	00 28 22.6	Traces. Felt on Skopelos Island (IV+ at Skopelos).
3	ePn eiSg e*(Sg)	05 30 35.7 31 18.2 05 31 47.3	Traces. Δ = 290 km. ~ 2.6 dg. Aegean Sea.- H=05:29:53 (BCIS). Traces. Δ = 380 km. ~ 3.4 dg.
6	ePn eiSb eSg	11 50 11.7 38.0 41.5	Traces. Δ = 215 km. ~ 1.9 dg. Felt in Karditsa (III at Kedros).
7	e*Fg eiSn eiSn eiSy	11 43 41.8 11 44 05.9 36.2 42.2	Traces. Δ = 100 km. ~ 0.9 dg. Traces. Δ = 260 km. ~ 2.3 dg. Western Greece.- H=11:43.4 (BCIS). Felt in Acarnania (V+ at Katouna).
8	e* eFg eiSn eiSg	17 13 40.7 17 14 04.5 24.8 27.2	Traces. Traces. Δ = 185 km. ~ 1.7 dg. Felt in Aetolia (V at Palaeochorakion).

69.

Date	Phase	Time	Additional Readings and Remarks.
Feb. 10	e	15 11 25.6	Traces. Felt in Messinia (III at Skala).
11	ePn eiPg eiSg	19 23 04.4 05.8 27.2	Very weak. Δ = 170 km. ~ 1.5 dg. Felt in <u>Messinia</u> (IV+ at Meligalas, Katsaros, Platy) and <u>Elis</u> (IV at Kalidona).
12	ePg eiSg	04 41 16.3 34.0	Very weak. Δ = 150 km. ~ 1.3 dg. Felt in Achaia (IV+ at Kalavryta, Kertezi).
12	e*	20 01 09.2	Traces. Felt in Achaia (IV+ at Patras).
13	e*	04 44 31.0	Traces. Felt in Achaia (IV+ at Patras).
14	ePn eiSy	20 06 12.7 59.1	Traces. Δ = 340 km. ~ 3.1 dg. Northern Greece 41° N, 23° ³ / ₄ E.- H=20:05:26. Recorded up to 23°; N° of stations 11 (BCIS). Magnitude adopted 3 ³ / ₄ . Felt in Serrae (IV+ at Nea-Zichni, Angista, Palaeokomi, IV at St.- Pnevma).
17	ePn	14 19 42.0	Traces. Δ = 475 km. ~ 4.3 dg. South Bulgaria 42° ¹ / ₄ N, 23° ¹ / ₂ E.- H=14:18.6. Recorded up to 40; N° of stations 4 (BCIS). Magnitude adopted 3.
18	i:Pg iSg	08 35 21.0CSW 29.0	An=80 μ, Tn=3.2 sec. Ae=30 μ, Te=2.8 sec., Δ = 65 km. ~ 0.6 dg. M=4.5 (Athens). Near east coast of Euboea Island 38° ¹ / ₂ N, 24° ¹ / ₄ E.- H=08:35:10 (BCIS).
	e*Pn e*Sy	08 35 42.2 36 12.0	Very weak Δ = 210 km. ~ 1.9 dg. Felt on <u>Euboea Island</u> (IV+ at St. Loukas, Aliverion, Kymi, IV at Vrysi, Achladeri, Nea-Styra, Andronianoe, III+ at Avlonarion, III

Date	Phase	Time	Additional Readings and Remarks.
Feb. 18			at Aphrati, II+ at Mytikas) and in the region of Attica (IV at Athens, III at Marathon, II+ at Kalamos). Not felt at Oxylithos, Aghios, Eretria, Karystos, Limni, Chalkis, Psachna (of Euboea), Koropion, Keratea, Lavreotiki, Vari, Amarousion, Chalandrion, (of Attica). Area of felt shaking about 15,000 km ² . M.M=4.4*.
18	iPg iSg	13 06 27.2CSW 36.2	An=42μ, Tn=2.7 Sec., Ae=30μ, Te=2.0 sec., Δ=70 km.~ 0.6 dg. M=4.4 (Athens). Near east coast of Euboea Island about 38° ¹ / ₂ N, 24° ¹ / ₄ E.- H=13:06:17 (BCIS). Magnitude adopted $\frac{1}{4}$.
22	ei!Pn	15 57 14.3CW	Traces.
23	iPn i!!P ₃₃ P ei!Sn	22 41 25.4CS 27.0D 42.0	An=274μ, Tn=3.8 sec., Ae=234μ, Te=4.0 sec., Δ=145 km.~ 1.3 dg. M=5.8 (Athens). Northern Sporades 39° ³ / _N , 23° ⁷ / _E .- H=22:41:07. Recorded up to 95°; N° of stations 145 (BC IS). M=5.7 (Quetta), 5 ¹ / ₂ -6 (Matsushiro), 5.4 (Kiruna Uppsala), 5.1 (Kew), 5 (Wichita M), 4.6 (Nurmijarvi), 4.5 (Blue M. USCGS), 4.4 (Uinta B, Cumberland Pl.), 4.2 (Ton-to Forest). Magnitude adopted 5 $\frac{3}{4}$.
	e*Pn e*iSy	22 41 34.6 42 02.2	Weak. Δ=205 km.~ 1.8 dg. Damaging shock occurred in the south-eastern part of Skopelos Island. According to Press reports of 1744 houses of Skopelos 20 were seriously and 461 slightly damaged. The shock was felt on the Islands of Skopelos (VII at Klima, Glossa, Skopelos, Loutraki, Perivolos, VI+ at Agnonta VI at Vossi), Skiathos

Date	Phase	Time	Additional Readings and Remarks.
Feb. 23			(V+ at Skiathos) Alonnisos (V at Alonnisos), Euboea (V at Neos-Pyrgos, Ste.-Anna, Mytikas, Rovia, Loutra-Aedipsou, IV+ at Istiea, Kymi, Aliverion, Limni, Oxylithos, Oreoe, Eretria, Phylla, IV at Chalkis, Aphrati, Aghios, Avlonarion, Amarynthos, Makrykapa, Mandoudion, Karystos. Taxiarchae, Psachna, Politika, Vrysi, Nea-Styrra, St.-Loukas, III+ at Nea-Artaki II+ at Ochthonia), Aeghina (III+ at Kypseli) Poros (III+ at Poros), Hydra (II+ at Hydra), and further in the regions Magnesia (V at Trikerion, Kato-Lechonia, Promyrion, Stephanovikion, Pteleos, Drakia, Agria, Laukos, IV+ at Argalasti, IV at Volos, St.-George-Nilias, St.-Lavrentios, St.-Vlasios, Platanos, Ano-Lechonia, Nea-Anchialos, Keramidion, Sesklon, Perivlepton, Zagora, Almyros, Sourpi, Neochorion, III+ Velestinion, St.-George-Baxedes, III at Kanalia), Phthiotis (V at Atalanti, Molos, St.-Konstantinos, Malesina, Rachae, Livanatae, IV+ at Bralos, Roditsa, Zelion, Elatia, IV at Pelasghia, Reginion, Martinon, Neon-Monastirion, Domokos, Amphiklia, Tithorea, Anthili, III at Stylis, Lamia), Attica (IV+ at Liosia, Galatsion, Grammatikon, IV at Athens, Ste.-Paraskevi, Eleusis, Avlon, Nea-Ionia, Nea-Philadelphia, Stamata, Megara, Acharnae, Kiphisia, Nea-Peramos, St.-Stephanos, Piraeus, III+ at Chalandrion, Daphni, Ampelakia, Nea-Liosia, Kapandrition, Perama, III at Marathon, Nea-Chalkidon, II+ at Vouliagmeni, Hellinikon, Kalammos,

Date	Phase	Time	Additional Readings and Remarks.
Feb. 23			<p>Voula), <u>Phokis</u> (IV+ at Itea, IV at Kastellion, Amphissa, III+ at Chryson, III at Polydrosion) <u>Larisa</u> (IV + at Larisa, Armenion, IV at Vamvakou, Makrychorion, Platykampos, Aghia, Melivia, Pyrgetos, III+ at Gonoe Dogani, III at St.-Anargyroe), <u>Boeotia</u> (IV+ at Davlia, IV at Orchomenos, Chalia, Thebes, Thespieae, III+ at Levadia, Mavromation, Panaghia, Mourikion, Plataeae, Asopia), Karditsa (III+ at Karpochorion, Sophades, Karditsa, III at Mesenikolas), <u>Evrytania</u> (IV+ at Agrapha, IV at Karpenision, Neraida), <u>Corinthia</u> (IV at Velon, III+ at Xylokastron, Panarition), <u>Achaia</u> (III+ at Drosia, Skiada, III at Valimitika, Ano-Klitoria, Lechourion, Patras, Perithorion), <u>Aetolia</u> (III at Sardinia, Spolaia, Agrinion), and <u>Acarmania</u> (II+ at Palaeros).</p> <p>No felt at Ladikou, Hypati, Larinna, Sperchias (of Phthiotis), Paenia, Lavreotiki, Markopoulon, Villia, Keratea, Korpion, Aspropyrgos, Nea-Makri (of Attica), Lidorikion (of Phokis), Deskati, Argyropoulion, Valanida (of Larisa), Aliartos Koryni, Thisvi, Distomon, (of Boeotia), Mouzakion, Karditso-magoula, Anavra, Palamas (of Karditsa), Klitor, Chalandritsa, Kato-Achaia, Diakopton, Kalavryta (of Achaia), Gavalou, Paravola, Aetolikion, Naupaktos, Mesolongion (of Aetolia), Astakos, Lepenou (of Acarnania). Area of felt shaking about 195,000 km². M.M.=6.2*.</p>
23	e	22 52 38.9	Traces. Felt on Skopelos Island (IV at Skopelos).

Date	Phase	Time	Additional Readings and Remarks.
Feb. 23	e	23 13 04.6	Traces. Felt on Skopelos Island (III+ at Skopelos).
23	ePn eiSn	23 48 31.9 47.0	Traces. $\Delta=130$ km. ~ 1.2 dg. Felt on Skopelos Island (III+ at Skopelos).
24	ePn eiSn	00 32 07.0 23.2	Traces. $\Delta=140$ km. ~ 1.3 dg. Felt on Skopelos Island (III+ at Skopelos).
24	ePg eiSg	00 43 15.0 32.6	Very weak. $\Delta=145$ km. ~ 1.3 dg. Felt on Skopelos Island (III+ at Skopelos).
24	ePg eiS ₂₃ S eiSg	01 00 09.5 24.4 26.7	Traces. $\Delta=140$ km. ~ 1.3 dg. Felt on Skopelos Island (IV+ at Skopelos).
24	ePn eiP ₃₃ P eiSn	01 38 42.5 44.2 59.2	Traces. $\Delta=145$ km. ~ 1.3 dg. Felt on Skopelos Island (IV+ at Skopelos).
24	ePn eiSn	02 43 28.5 44.3	Traces. $\Delta=135$ km. ~ 1.2 dg. Felt on Skopelos Island (III+ at Skopelos).
24	eSg	07 43 30.4	Traces. Felt on Skopelos Island (III+ at Skopelos).
24	eiPg eiSg	23 07 18.1DM 33.6	An=12 μ , Tn=3.9 sec., Ae=16 μ , Te=1.4 sec., $\Delta=125$ km. ~ 1.1 dg. M=4.4 (Athens). Northern Sporades 39°1N, 23°8E.- H=23:07:00. Recorded up to 81°; No of stations 9 (BCIS).- M=3.8 (USCGS, Cumberland Fl.). Magnitude adopted 4 ¹ / ₂ .
	e*Pn	23 07 29.8	Traces. $\Delta=200$ km. ~ 1.8 dg. Felt on the Islands of Skopelos (V at Skopelos), Euboea (IV at Ste.-Anna, Vrysi) and in the region of Magnesia (IV+ at Agria).

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Date	Phase	Time	Additional Readings and Remarks.
Feb. 24			Area of felt shaking about 15,000 km ² . M _s M=4.5*.
24	iPn iSg	23 21 46.8 22 01.8	An=17 μ, Tn=2.0 Sec., Ae=29 μ, Te=2.4 sec., Δ=115 km.~ 1 dg. M=4.5 (Athens). Northern Sporades about 39°N, 230 ³ / ₄ E.- H=23:21:26. Recorded up to 89°N° of stations 15 (BCIS).
	e*(Pn)	23 21 53.0	Traces. Δ=190 km.~ 1.7 dg. Felt on the Islands of <u>Skopelos</u> (V at Skopelos), <u>Euboea</u> (IV at Ste.-Anna, Vrysi, III at Mandou-dion), and in the region of <u>Magnesia</u> (IV at Agria). Area of felt shaking about 15,000 km ² . M _s M=4.5*.
24	iPn iSg	23 30 46.6CS 31 00.6	An=50 μ, Tn=2.8 sec., Ae=70 μ, Te=2.5 sec., Δ=120 km.~ 1.2 dg. M=5 (Athens). Northern Sporades 39°1F 23°8.E=23:30:26; h about 20 km. Recorded up to 96°; N° of stations 56 (BCIS). M=4.7 (Wichita M), 4.6 (Stuttgart), 4 ¹ / ₂ (Moscow), 4.4 (USCGS), 4.3 (Cumberland Pl.), 4.1 (Blue M). Magnitude adopted 5 ¹ / ₄ .
	e*iSg	23 31 26.2	Weak. Δ=200 km.~ 1.8 dg. Felt on the Islands of <u>Skopelos</u> (VI at Skopelos), <u>Skiathos</u> (V at Skiathos) <u>Euboea</u> (IV+ at Loutra Aedipsou, Ste.-Anna, Oxyolithos, Vrysi), and in the region of <u>Magnesia</u> (V at Promyrion, Argalasti, III+ at Keramidion, Agria). Area of felt Shaking about 15,000 km. M _s M=4.5*.
24	eSg	23 40 49.4	Traces. Felt on Skopelos Island (III+ at Skopelos).
24	eSg	23 55 49.4	Traces. Felt on Skopelos Island (III+ at Skopelos).

10.

Date	Phase	Time	Additional Readings and Remarks.
Feb. 24	ePn eiP ₃₃ P eiS ₃₃ S iS ₃₃ S	23 56 15.5 16.5C 29.8 30.9	Very weak. Δ=120 km.~ 1.1 dg. Felt on Skopelos Island (III+ at Skopelos).
24	eiPg eiSg	23 58 42.3D 57.4	Traces. Δ=120 km.~ 1.1 dg. Felt on the Islands of <u>Skopelos</u> (III+ at Skopelos) and <u>Euboea</u> (II+ at Chalkis).
25	eSg	00 02 25.7	Traces. Felt on Skopelos Island (III+ at Skopelos).
25	e	00 03 36.8	Traces. Felt on Skopelos Island (III+ at Skopelos).
25	ePg	01 14 11.6	Traces. Felt on Skopelos Island (III+ at Skopelos)
25	eiPn ePg eiS ₃₃ S eiSg	01 37 57.8D 59.2 38 13.2 13.7	Traces. Δ=120 km.~ 1.1 dg. Felt on Skopelos Island (IV+ at Skopelos).
25	e	01 49 40.0	Traces. Felt on Skopelos Island (IV+ at Skopelos).
25	e	08 32 47.2	Traces. Felt on Skopelos Island (III+ at Skopelos).
25	e	09 38 50.0	Traces. Felt on Skopelos Island (III+ at Skopelos).
25	eiPg iSg	10 03 42.0D 57.1	Very weak. Δ=125 km.~ 1.1 dg. Felt on Skopelos Island (IV+ at Skopelos).
25	e	11 00 36.3	Traces. Felt on Skopelos Island (III+ at Skopelos).
25	e	12 32 53.8	Traces. Felt on Skopelos Island (III at Skopelos).

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Date	Phase	Time	Additional Readings and Remarks.
Feb. 25	eiSg	18 20 14.1	Traces. Felt on Skopelos Island (III+ at Skopelos).
25	e	19 16 10.9	Traces. Felt on Skopelos Island (III+ at Skopelos).
26	e	00 50 03.1	Traces. Felt on Skopelos Island (III+ at Skopelos).
26	e	09 31 47.2	Traces. Felt on Skopelos Island (III at Skopelos).
26	eiPg	11 12 14.6	Traces. Felt on Skopelos Island (III+ at Skopelos).
26	e	12 04 11.8	Traces. Felt on Skopelos Island (III at Skopelos).
26	e	13 58 46.0	Traces. Felt on Skopelos Island (III at Skopelos).
27	ePn eiSy	01 38 38.6 39 25.6	Very weak. $\Delta=350$ km. ~ 3.1 dg. Macedonia $40^{\circ}6'N$, $21^{\circ}4'E$. - H=01:37:50. Recorded up to 24° ; No of stations 10 (BCIS). Magnitude adopted $3\frac{3}{4}$. Felt in <u>Florina</u> (V+ at Lechovon, IV+ at Florina, Xino-Neron, Phlampouron), <u>Kastoria</u> (IV+ at Korisos, IV at Kastoria) and <u>Kozani</u> (IV at Anarachi).
27	ei	16 01 58.80	Traces. Felt on Skopelos Island (III at Skopelos).
27	e	20 51 09.0	Traces. Felt on Skopelos Island (IV+ at Skopelos).
29	e*Pg ePn eiSn eiSy	14 30 42.0 14 30 57.9 31 20.5 22.5	Very weak. $\Delta=80$ km. ~ 0.7 dg. Very weak. $\Delta=190$ km. ~ 1.7 dg. Peloponnesus $37^{\circ}5'N$, $21^{\circ}8'E$. - H=14:30:28 (BCIS). Magnitude adopted 3. Felt in <u>Elis</u> (V at Kalidona, Andritsaena, IV at Zacharo, III+ at

77.

Date	Phase	Time	Additional Readings and Remarks.
Febr. 29			Letrinae), and <u>Messinia</u> (III+ at Kyparissia). Area of felt shaking about $5,000$ km ² . M.M.= 3.8^* .
29	e	14 38 47.2	Traces. Felt on Skopelos Island (III at Skopelos).
29	e* eiPn eiSb eiSg	17 05 21.9 17 05 16.1D 47.1 51.9	Traces. Very weak. $\Delta=250$ km. ~ 2.2 dg. Felt in Messinia (IV+ at Kyparissia).
Mar. 1	eiSg	00 43 46.5	Traces. Felt on Skopelos Island (IV+ at Skopelos).
1	e	01 22 44.6	Traces. Felt on Skopelos Island (IV+ at Skopelos).
1	ePn eiSn ei!Sg e*	16 46 52.3 47 05.3 06.3 16 46 58.5	Very weak. $\Delta=110$ km. ~ 1 dg. Felt on Boeotia (III at Davlia). Traces.
1	ePn iSn	18 30 17.2 32.9	Weak. $\Delta=135$ km. ~ 1.2 dg. Northern Sporades $39^{\circ}2'N$, $23^{\circ}5'E$. - H=18:29:55. Recorded up to 6° ; No of stations 4 (BCIS). Magnitude adopted 3.
	e*Pg	18 30 30.7	Traces. $\Delta=185$ km. ~ 1.7 dg. Felt on the Islands of <u>Skiathos</u> (IV+ at Skiathos) and <u>Skopelos</u> (III at Skopelos).
2	eiSg	09 46 11.1	Traces. Felt in Aetolia (III+ at Riganion).
3	e*iPg e*iSg	00 59 06.70 10.9	Very weak. $\Delta=35$ km. ~ 0.3 dg.

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Date	Phase	Time	Additional Readings and Remarks.
Mar. 3	ePn eiSg	00 59 29.1 51.6	Very weak. $\Delta=170$ km. ~ 1.5 dg. Central Greece about $38^{\circ}1/2N$, $22^{\circ}E$.- H=00:59:00 (Athens). Felt in <u>Aetolia</u> (V+ at Riganion, V at Palaeochoraki, IV at Platanos) and <u>Achaia</u> (III+ at Patras).
3	ePn eiSn	11 46 55.6 47 09.7	Traces. $\Delta=120$ km. ~ 1.1 dg. Felt on Skopelos Island (IV+ at Skopelos).
3	e	13 17 04.9	Traces. Felt on Skopelos Island (IV+ at Skopelos)
3	eiSg	16 23 32.4	Traces. Felt on Skopelos Island (IV+ at Skopelos).
4	eiPn eiSg	21 32 40.3DSE 33 41 2.2	Very weak. $\Delta=400$ km. ~ 3.6 dg. Off south coast of Crete Island $34^{\circ}4N$, $24^{\circ}0E$.- H=21:31:42; h about 33 km. Recorded up to 94° ; NO of stations 38 (BCIS). M=4.3 (Blue M), 4.2 (USCGS), 4.1 (Nurmijaervi). Magnitude adopted $3\frac{3}{4}$.
	e*Sg	21 33 58.9	Traces. $\Delta=470$ km. ~ 4.2 dg.
5	eiPn eiSg	00 02 19.3D 03 04.7	Traces. $\Delta=330$ km. \sim dg. Near north coast of Crete Island.- H=00:01.5 (BCIS).
5	e	11 29 47.1	Traces. Felt on Rhodes Island (III at Rhodes).
6	eiSg	12 06 48.6	Traces. Felt on Skopelos Island (II+ at Skopelos).
6	e	18 51 31.9	Traces. Felt on Skopelos Island (II+ at Skopelos).
7	e	12 28 38.1	Traces. Felt on Skopelos Island (II+ at Skopelos).

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Date	Phase	Time	Additional Readings and Remarks.
Mar. 8	e(Pn)	17 22 51.8	Traces. Felt on Lemnos Island (IV at Kontopoulion).
10	e	15 21 53.5	Traces. Felt on Skopelos Island (II+ at Skopelos).
10	eiSg	20 53 06.9	Traces. Felt in Aetolia (III+ at Agrinion).
11	ePn eiPg eiSg	03 57 48.7 52.5C 58 18.4	Traces. $\Delta=215$ km. ~ 1.9 dg. Felt in Aetolia (IV+ at Agrinion).
12	eiPg eiSg	01 42 27.2 39.1	Weak. $\Delta=95$ km. ~ 0.9 dg. Felt in Boeotia (III+ at Davlia, Thisvi).
12	e?(Pn) eiPy eiSg	13 29 05.4 11.0C 53.6	Very weak. $\Delta=320$ km. ~ 2.9 dg. Felt on Crete Island (III+ at Phourni).
12	e	17 21 29.2	Traces. Felt in Preveza (III+ at Kamarina).
13	ePn iPg eiSg	06 17 34.1 34.7CS 47.5	Weak. $\Delta=105$ km. ~ 0.9 dg. Northern Sporades $39^{\circ}N$, $23^{\circ}\frac{1}{4}E$.- H=06:17:16 (BCIS). Felt on Skopelos Island (IV at Skopelos).
13	e	06 20 42.1	Traces. Felt on Skopelos (III at Skopelos).
13	e	07 57 20.3	Traces. Felt on Skopelos Island (III at Skopelos).
14	ePg iP1 2P iSg	14 42 33.7 34.3INE 40.2	Weak. $\Delta=50$ km. ~ 0.5 dg. Felt on Euboea Island (IV+ at Aliverion).
14	eiPg iSg	16 55 16.5DN 23.8	Traces. $\Delta=55$ km. ~ 0.5 dg. Felt on Euboea Island (IV+ at Aliverion).

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Date	Phase	Time	Additional Readings and Remarks.
Mar. 14	e	17 34 21.4	Traces. Felt on Skopelos Island (III at Skopelos).
14	ePn eiSg	21 08 44.5 09 39.0	Very weak. $\Delta=400$ km. ~ 3.6 dg. Off west coast of Rhodes Island about $36^{\circ}N$, $27^{\circ}E$.- H=21:07.9 (BCIS). Magnitude adopted 3.
15	eiSg	09 44 27.8	Traces. Felt on Skopelos Island (III at Skopelos).
15	e	17 23 03.8	Traces. Felt on Skopelos Island (III at Skopelos).
16	e*Pn ePn eiSg	09 21 31.7 09 21 55.0 22 36.8	Traces. $\Delta=105$ km. ~ 0.9 dg. Traces. $\Delta=280$ km. ~ 2.5 dg. Ionian Island.- H=09:21.2 (BCIS). Felt on Leukas Island (III+ at Leukas).
16	ePn eiSb	18 10 03.8C 45.5	Traces. $\Delta=335$ km. ~ 3 dg. Near South coast of Crete Island about $35^{\circ}N$, $24^{\circ}E$.- H=18:09.2 (BCIS).
20	eiSg	04 24 08.4	Traces. Felt on Skopelos Island (III at Skopelos).
20	e*Pg ePn eiSn eiSb eiSg	20 25 34.3 20 25 57.6 26 28.2 31.5 37.4	Traces. $\Delta=100$ km. ~ 0.9 dg. Very weak. $\Delta=270$ km. ~ 2.4 dg. Ionian Islands about $38^{\circ}N$, $20^{\circ}E$.- H=20:25:16 (Athens). Felt on Zante Island (IV+ at Zante, Volimae, IV at Skolikadon).
24	e*iPg e*iSg ePg eiSn eiSg	13 18 58.8 19 03.1 13 19 26.1 46.4 48.7	Very weak. $\Delta=35$ km. ~ 0.3 dg. Very weak. $\Delta=185$ km. ~ 1.7 dg. Central Greece about $38^{\circ}N$, $21^{\circ}E$.- H=13:18:52 (Athens). Felt in Achaia (IV at Patras, Drepanon, St. George-Rion).
24	eiPn	16 14 22.0	Traces. Felt on Skopelos Island (III at Skopelos).

Date	Phase	Time	Additional Readings and Remarks.
Mar. 25	eiPn eiSg	01 30 19.7 36.2	Very weak. $\Delta=120$ km. ~ 1.1 dg. Felt on Skopelos Island (IV at Skopelos).
26	ePn eiPg eiSn eiSg	02 29 28.3 38.7C 30 06.0 20.5	Very weak. $\Delta=345$ km. ~ 3.1 dg. Western Turkey (BCIS).
27	e	04 50 31.8	Traces. Felt on Skopelos Island (III at Skopelos).
30	iP i!S	03 27 59.9C 28 37.4	An=8 μ , Tn=3 sec., Ae=8 μ , Te=3.6 sec. $\Delta=315$ km. ~ 2.8 dg. M=4.7 (Athens). Near south coast of Crete Island $35^{\circ}N$, $24^{\circ}E$.- H=03:27:15; h=70 km. Recorded up to 86° ; N $^{\circ}$ of stations 59 (BCIS). Magnitude adopted 5 $\frac{1}{4}$.
	e*	03 28 32.2	Very weak. $\Delta=400$ km. ~ 3.6 dg. Felt on Crete Island (IV+ at Firtsidia).
30	e?(Pn) eiSb	23 48 35.9 49 42.1	Traces. $\Delta=540$ km. ~ 4.9 dg. South Yugoslavia $42^{\circ}N$, $20^{\circ}E$.- H=23:47:19. Recorded up to 26° ; N $^{\circ}$ of stations 18 (BCIS). Magnitude adopted 4 $\frac{1}{4}$.
30	eiSg	23 58 09.9	Traces. Felt in Trikala (III+ at Pitalia), and <u>Akamania</u> (III at Patiopoulon).
31	ePn eiPg iSb	00 49 17.9D 23.7 49.0	Very weak. $\Delta=250$ km. ~ 2.2 dg. Western Greece $39^{\circ}N$, $21^{\circ}E$.- H=00:48:39. Recorded up to 35° ; N $^{\circ}$ of stations 8 (BCIS). Magnitude adopted 3 $\frac{3}{4}$. Felt in <u>Aetolia</u> (V at Perdikakion), <u>Evrytania</u> (IV+ at Raptopoulon), and <u>Trikala</u> (III+ at Pyli).

82.

Date	Phase	Time	Additional Readings and Remarks.
Mar. 31	eP eiS	09 34 17.4 35 06.5	Very weak. $\Delta=480$ km. ~ 4.3 dg. Near South coast of Turkey $36^{\circ}5'N$, $28^{\circ}8' E$.- H=09:33:12; h about 45 km. Recorded up to 94° ; N ^o of stations 36 (BCIS). Magnitude adopted 5.
Apr. 2	eiPg	19 36 07.1	Traces. Felt on Euboea Island (IV+ at Ste.-Anna).
8	iP eiS	14 13 15.2CN 53.0	An=11 μ , Tn=2.8 sec., Ae=15 μ , Te=3.0 sec., $\Delta=355$ km. ~ 3.2 dg. M=5 (Athens). Off south coast of Crete Island $34^{\circ}8'N$, $24^{\circ}2' E$.- H=14:12:25; h=45 km. ± 5 km. Recorded up to 127° ; N ^o of stations 125 (BCIS). M=6.0 (NurmiJaervi), 5.9 (Uppsala, Kiruna), 5.5 (Kobenhavn), 5.3 (Istanbul UTI, Kewo), 5 (USCGS, Blue M), 4.9 (College), 4.8 (Eureka, State College, Uinta B), 4.7 (Wichita M., Pruho-nice, Cumberland Pl. Tonto Forest), $4\frac{1}{2}$ (Moscow). Magnitude adopted $5\frac{3}{4}$.
	e*P	14 13 27.9	Traces. $\Delta=435$ km. ~ 3.9 dg. Felt on Crete Island (IV at Moerae, III+ at Chania). Area of felt shaking about 20,000 km ² . M.M.=4.5*.
11	iPn iPy eiPg iSb	16 01 15.5CSW 19.0CS 21.8W 48.5	An=23 μ , Tn=2.8 sec., Ae=24 μ , Te=2.2 sec., $\Delta=265$ km. ~ 2.4 dg. M=5.1 (Athens). Off north coast of Lemnos Island $40^{\circ}2'N$, $25^{\circ}0' E$.- H=16:00:42. Recorded up to 97° ; N ^o of stations 154 (BCIS). M=5.8 (Strasbourg Quetta), $5\frac{3}{4}$ (Matsushiro), 5.7 (Cumberland Pl.), 5.5 (Uppsala, Kiruna, Roma, Moscow),
Apr. 11	e*Pn	16 01 26.9	Very weak. $\Delta=350$ km. ~ 3.2 dg. Felt on the Islands of Lemnos (V at Myrina, IV+ at Kontopoullion, IV at Moudron, III+ at Kondias), Lesbos (IV at Ste.-Paraskevi), St.-Eustratios (III+ at St.-Eustratios), and in the regions of Evros (IV at Soyphlion, III+ at Tycheron, II at Zoni), Xanthi (IV at Genisea), Drama (IV at Photolivos), Serrae (IV at Angista, Dimitra, Gazoros), Chalkidike (IV at Karyae), Salonica (IV at Vasilika), Kavala (III+ at Kavala). Area of felt shaking about 80,000 km ² . M.M.=5.5*.
11	ePn ePy eiSy	23 06 46.7W 48.5 07 16.5	e?06:41. Very weak. $\Delta=225$ km. ~ 2.0 dg. Near south west coast of Lemnos Island $39^{\circ}3'N$, $25^{\circ} E$.- H=23:06:10. Recorded up to 14° ; N ^o of stations 7 (BCIS). Magnitude adopted 4. Felt on Lemnos Island (II at Myrina).
12	ePy eiPg ei!!Sg	07 58 35.8C 37.9CS 59 03.7	Very weak. $\Delta=210$ km. ~ 1.9 dg. Off south coast of Lemnos Island $39^{\circ}1'N$, $25^{\circ}4' E$.- H=07:58.0 (BCIS). Magnitude adopted $3\frac{3}{4}$.
12	eiPn eiPb eiPg ei!Sg	16 54 31.9C 33.4 36.8D 55 05.5	Very weak. $\Delta=235$ km. ~ 2.1 dg. Off west coast of Lemnos Island $40^{\circ}N$, $24^{\circ}5' E$.- H=16:33.9 (BCIS). Magnitude adopted $2\frac{3}{4}$.
13	ePn	12 38 35.5	Traces. $\Delta=430$ km. ~ 3.9 dg. Southern Bulgaria about $41^{\circ}1'N$, $25^{\circ}4' E$.- H=12:17.5 (BCIS). Magnitude adopted $2\frac{3}{4}$.

Date	Phase	Time	Additional Readings and Remarks.
Apr. 13	ePn	21 01 42.5	Traces. Felt on <u>Lemnos Island</u> (II+ at Myrina).
14	eiSg	10 25 37.8	Traces. Felt on <u>Skopelos Island</u> (IV at Skopelos).
15	ePn eP ₃₃ P eiSg	20 54 43.8 45.0S 59.5	An=23 μ , Tn=2 sec., Ae=2.8 μ , Te=2 sec., Δ =125 km. ~ 1.1 dg. M=4.6 (Athens). Northern Sporades 39°1N, 23°6E.- H=20:54:22. Recorded up to 76°; NO of stations 57 (BCIS). M=4.5 (NurmiJaervi), 4.4 (USCGS), 4.3 (Stuttgart). Magnitude adopted 5.
	e*Pn ei*Sy	20 54 53.6 55 19.0	Very weak. Δ =195 km. ~ 1.8 dg. Felt on the islands of <u>Skiathos</u> (V+ at Skiathos), <u>Skopelos</u> (V at Skopelos), <u>Euboea</u> (IV+ at Ste.-Anna), and <u>Alonnisos</u> (IV at Alonnisos). Area of felt shaking about 5,000 km ² . M.M.=3.8*.
16	ePn iPg eiSn e*(Pn) e*Sn	05 36 51.9C 53.6SE 37 06.5 05 37 02.5 25.9	Weak. Δ =125 km. ~ 1.1 dg. Northern Sporades region.- H=05:36.5(BCIS). Traces. Δ =195 km. ~ 1.8 dg. Felt on <u>Euboea Island</u> (IV at Ste.-Anna).
16	eiPg	19 06 29.8	Traces. Felt on <u>Skopelos Island</u> (III at Skopelos).
17	e(Sg)	01 36 56.8	Traces. Felt in <u>Elis</u> (III at Zacharo).
17	e*Pg ei*Sg ePn eiSy	18 12 04.4D 20.6 18 12 22.7D 13 03.5	e 12:02. Very weak. Δ =130 km. ~ 1.2 dg. An=4 μ , Tn=2.0 sec., Ae=4 μ , Te=1.6 sec., Δ =300 km. ~ 2.7 dg. M=4.3 (Athens). Ionian Sea 38°0N, 20°3E.- H=18:11:40; h normal. Recorded up to 60°; NO of stations 27 (BCIS). M=4.1 (USCGS, Blue M.). Magnitude adopted 4 $\frac{3}{4}$.

Date	Phase	Time	Additional Readings and Remarks.
Apr. 18	ePg eiSg	21 54 14.0C 55 11.8	Very weak. Δ =480 km. ~ 4.3 dg. North-western Turkey about 40°N, 28°1/2E.- H=21:52:45. Recorded up to 24°; NO of stations 7 (BCIS). Magnitude adopted 3 $\frac{1}{2}$.
19	ePn	02 27 46.6	Traces. Felt on <u>Cephalonia Island</u> (IV at Lixourion, III at Argostolion).
19	eiPn	11 34 54.1D	Traces. Δ =535 km. ~ 4.8 dg. Western Albania 41°5N, 19°5E.- H=11:33:42. Recorded up to 90°; NO of stations 10 (BCIS). Magnitude adopted 4 $\frac{1}{4}$.
20	ePn eiSn eSb	08 02 09.3 33.5 34.3	Very weak. Δ =200 km. ~ 1.8 dg. Felt in <u>Elis</u> (IV+ at Vounargos, Letrinae, Strophion).
20	eiPn ePg eiSg	09 13 57.1 14 03.5 36.3	Very weak. Δ =270 km. ~ 2.4 dg.
20	eP	18 38 18.7D	Very weak. Δ =335 km. ~ 3 dg. <u>Crete Island</u> 35°0N, 24°5E.- H=18:37:31; h about 50 km. Recorded up to 80°; NO of stations 31 (BCIS). M=5.2 (Uinta B), 4.5 NurmiJaervi, USCGS). Magnitude adopted 5. Felt on <u>Crete Island</u> ; especially in <u>Heraklion</u> (V at Pitsidia).
21	e*Pg e*iSg ePg eiS ₂₃ S eiSg	08 14 51.4C 58.4 08 15 05.6CSE 20.8 23.0	Very weak. Δ =55 km. ~ 0.5 dg. Weak. Δ =140 km. ~ 1.3 dg. Central Greece about 38°1/2N, 22°4E.- H=08:14:40 (Athens). Felt in <u>Phokis</u> (V at Itea, IV+ at Lidorikion, Galaxidion, IV at Kallithea, III at Drepanon), <u>Aetolia</u> (IV+ at Mesolonghion, IV at Pakaeochorakion),

Date	Phase	Time	Additional Readings and Remarks.
Apr. 21			and <u>Achaia</u> (IV at Patras, III+ at Rododaphni). Area of felt shaking about 15,000 km ² . M.M.=4.4.
23	eiPn	03 53 06.00	Very weak. Felt in Karditsa (IV at Anavra, II+ at Kedros).
24	e*Fg	03 50 01.20	Weak. $\Delta=75$ km. ~ 0.7 dg.
	e*iSg	10.2	
	ePn	03 50 23.80	
	eiPg	28.25	
	eiSn	50.1	Weak. $\Delta=225$ km. ~ 2 dg. Near west coast of Peloponnesus 37°7'N, 21°2'E.- H=03:49:49. Recorded up to 90°; N° of stations 17 (BCIS). Magnitude adopted 4 $\frac{3}{4}$. Felt in <u>Elis</u> (V at Letrinae IV+ at Traganon, Vounargos, Strephion, Kalidona, IV at Zacharo, Katakolon, Vrina) and <u>Messinia</u> (IV at Kyparissia). Area of felt shaking about 10,000 km ² . M.M.=4.2*.
	eiSy	54.0	
25	eiP	12 45 17.70	Weak. $\Delta=470$ km. ~ 4.3 dg. Dodecanese Islands 35°3'N, 27°7'E.- H=12:44:13. h about 45 km. Recorded up to 95°; N° of stations 78 (BCIS). M=4.9 (Cumberland P.), 4.7 (NurmiJaervi), 4.6 (Wichita M), 4.5 (USCGS, Blue M), 4.4 (Stuttgart), 4 $\frac{1}{4}$ (Moscow), 4.2 (Kevo), 4.1 (Uinta B), Magnitude adopted 5 $\frac{1}{4}$.
	eiS	46 06.9	
26	ePn	01 32 51.00	Traces. $\Delta=460$ km. ~ 4.1 dg. Off south coast of Crete Island 34°3'N, 26°1'E.- H=01:31:48. Recorded up to 91°; N° of stations 42 (BCIS) M=4.0 (USCGS). Magnitude adopted 4 $\frac{3}{4}$.
	eSn	33 39.5	
26	ePn	21 33 02.2	Traces. Felt on Skopelos Island (IV at Skopelos).
27	eiPn	12 28 35.8	Traces. Felt in Elis (III+ at Zacharo).

Date	Phase	Time	Additional Readings and Remarks.
Apr. 29	iPn i!!Sn	04 21 25.80 40.8	An=372 μ , Tn=2.8 sec., $\Delta=125$ km. ~ 1.1 dg. M= 5.8 (Athens). Northern Sporades 39°1'N, 23°8'E.- H=04:21:07. Recorded up to 151°; N° of stations 155 (BCIS). M= 6 (Matsushiro), 5 $\frac{3}{4}$ (Strasbourg), 5 $\frac{1}{2}$ (Moscow, Roma), 5.4 (Pruhonice, Collm, Palisades), 5.3 (Cumberland Pl., Wichita M., Eureka), 5 $\frac{1}{4}$ (Kew), 5.2 (Tucson), 5.1 (USCGS, Kevo), 5.0 (Uppsala, Kiruna, Tonto Forest, Blue M). 4.8 (NurmiJaervi), 4.7 (Stuttgart). Magnitude adopted 5 $\frac{3}{4}$.
	e*iPn e*i!Pg	04 21 35.1 38.9	Weak. $\Delta=200$ km. ~ 1.8 dg. Felt on the Islands of <u>Skopelos</u> (VI+ at Klima, VI at Glossa, Skopelos), <u>Skiathos</u> (VI+ at Skiathos), <u>Euboea</u> (VI at Ste.- Anna, V+ at Roviae, Neos Pyrgos, Vasilika, V at Istiaea, Achladeri, Limni, IV+ at Stropones, Mytikas, St.-Loukas, Andronianoe, Eretria, Loutra-Aedipsou, Oxyolithos, Politika, IV at Ochthonia, Agios, Makrykapa, Chalkis, Oreoe, Vrysi, Amarynthos, Psachna, Aphration, Nea Styra, Steni-Dirphis), <u>Skyros</u> (IV at Skyros), <u>Aeghina</u> (IV at Aeghina), <u>Lemnos</u> (III+ at Myrina), <u>Hydra</u> (II+ at Hydra), and in the regions of <u>Magnesia</u> (V+ at Drakia, St.-Lavrentios, Trikerion, V at Promyrion, Argalasti, Euxinoupolis, Zagora, IV+ at Laukos, Volos, Stephanoviki-on, Agria, St.- George-Nilias, Nea-Ionia, Kato-Lechonia, Veles-tinon, Pteleos, Sourpi, St.-Vlasios, St.-George-Baxedes, Sesklon, IV at Neochorion, Almyros, Ano Lechonia, Kanalia, Nea-Anchi-

<u>Date</u>	<u>Phase</u>	<u>Time</u>	<u>Additional Readings and Remarks.</u>
Apr. 29			alos, Keramidion), <u>Larissa</u> (V at Sykourion, Armenion, Dogani, Karyia, IV+ at Vamvakou, Chalki, Rizomylos, Larisa, Aghia, IV at Melivia, Platykampos, Rapsani, Myra, Damasion, Eretria, Ampelon, Tirnavos, Sykea, Amourion, St.-Anargyroe, Neae-Karyae, III+ at Krini, III at Makrychorion, Argyropouliou, II+ at Elasson), <u>Phthiotis</u> (V at Pelasghia, IV+ at Domokos, Molos, Bralos, Stylis, Livanatae, Reginion, Elatia, Atalanti, Lamia, IV at Zelion, St.-Konstantinos, Martinon, Neon-Monastirion, Tithorea, Amphiklia, III+ at Lianokladion, Leuka, Kato-Tithorea, Hypati), <u>Boeotia</u> (V at Vaghia, IV+ at St.-Demetrius, Mourikion, Asopia, IV at Panaghia, Thespieae, Thebes, Orchomenos, Eleon, Chalia, Koryni, Kyriakion, Leontarion, Leuktra, Aliartos, III at Levadea), <u>Attica</u> (V at St.-Ioannis-Rentis, IV+ at Megara, Galatsion, Kiphisia, Nea-Palatia, Palaeon-Phaliron, Grammatikon, Kalamakion, Nea-Philadelphia, IV at Nea-Erythrea, Daphni, Stamata, Ampelakia, Athens, Nea-Peramos, Eleusis, Amarousion, Kalamos, Koropion, Markopoulon-Oropou, Neon-Phaliron, Cholargos, Kalandrition, Avlon, Perama, III+ at Paeania, Aphidnae, Nea-Ionia, Korydalos, Ste.-Paraskevi, Tavros, Helioupolis, Nea-Makri, Keratsiniou, III at Vouliagmeni, II+ at Hymittos, Neon-Psychikon, Kaesariani), <u>Phokis</u> (IV+ at Itea, IV at Kastelion, Galaxidion, III+ at Chryson, Desphina, III at Polydrosou), <u>Karditsa</u> (IV+ at Karditso-

<u>Date</u>	<u>Phase</u>	<u>Time</u>	<u>Additional Readings and Remarks.</u>
Apr. 29			magoula, Artesianon, Koskina, IV at Sophades, Mesenikolas, Karditsa, Drakotrypa, Prodromon, III at Itea, Agnanteron, Karpochorion, Rentina, Palaeokklision, II+ at Anthiron, Palamas), <u>Aetolia</u> (IV+ at Paravola, IV at St.-Andreas, Analipsis, III+ at Stamma, Kae-nourghion, Panaetolion, III at Neochorion, Nea-Avorani, Platanos, II+ at Mataranga, Naupaktos), <u>Tri-kala</u> (IV at Pighi Palaeopyrgos, Palaeomonastirion, Zarkos, Phyki, Krya-Vrysi, III+ at Pharkadon, III at Trikala), <u>Evrythania</u> (IV at Phourna, III at Raphtopoulon), <u>Corinthia</u> (IV at Assos, Velon, Xylokastron, III+ at St.-Theodoroe, Vrachation, Panarition, II+ at Isth-mia), <u>Argolis</u> (IV at Arachnaeon, III at Argos), <u>Salonica</u> (III+ at Salonica), <u>Chalkidike</u> (III+ at Paliourion, Parthenon), <u>Achaia</u> (IV at Ano-Kastritsion, III+ at Alissos, II+ at Kato-Achaia, Klitor), <u>Acamania</u> (III at Katouna, II+ at Thyrion). Not felt at Karystos, Mamarion, (of Euboea), Kranea, Deskati, Verdikoussa, Kal-lipeuki, Kokkinopilos, Livadion, (of Larissa), Ladikon Sperchias, Makrakomi, Tsouka, Omvriaki (of Phthiotis), Distomon, St.-Vlasios, Ste.-Trias (of Boeotia), Lavreotiki, Keratea, Potamos, Drapetsona, St.-Anargyroe, (of Attica) Kallitheia (of Phokis), Mataranga, Stavros, Phanarion, Kedros, Kanalia, Leondarion (of Karditsa), Mesolonghion, Aetolikon, Galatas, St.-Vlasios, Dokimion, (of Aetolia), Megarchis, Panaghia, Neraida, Ra-

Date	Phase	Time	Additional Readings and Remarks.
Apr. 29			cha (of Trikala) Karpenision, Kliston, Kerasochorion, (of Evrytania), Lechaeon, Stimanga, Chiliomodion, (of Corinthia), Ligourion, Koutsopodion, (of Argolis), Nea-Phokea, (of Chalkidike), Vrachnaeika, Kato Klitoria, St.-George-Rion (of Achaia). Area of felt shaking about 170,000 km ² . M.M.=6*.
29	eiPg	07 40 07.4	Very weak. Felt on Skopelos Island (IV at Skopelos).
29	ei!!!Pn iPg ei!Sg	17 00 22.4CS 22.8CSW 38.7	An=100μ, Tn=2.4 sec., Ae=168 μ, Te=2.0 sec., Δ=125 km. ~ 1.1 dg. M=5.4 (Athens). Aftershock of April 29. Northern Sporades 39°1 N, 23°8E.- H=17:00:04. Recorded up to 96; N° of Stations 107 (BCIS). M=5.4 (Strasbourg), 4.9 (Stuttgart), 4.8 (Wichita M) 4.3 (Moscow), 4.6 (USCGS, Blue M., Cumberland Pl.), 4 1/2 (Kew), 4.2 (Tonto Forest). Weak. Δ=200 km. ~ 1.8 dg.
	e*Pn i*Sn	17 00 30.3D 53.5	Felt on the Islands of Skopelos (V+ at Skopelos), Euboea (V at Ste.-Anna, IV+ at Istiaea, IV at Eretria, Mytikas, Vrysi, Aphratiion, Psachna, II+ at Chalkis), Alonnisos (IV at Alonnisos), and in the regions of Magnesia (V at Drakia, IV+ at Stephanovikion, IV at Volos, Agria), Larisa (IV+ at Aghia, IV at Armenion, III at Tirnavos), Phthiotis (IV+ at Martinon, IV at Atalanti, III+ at St.-Konstantinos, III at Ladikon), and Attica (III+ at Kiphisia). Area of felt shaking about 70,000 km ² . M.M.=5.4*.
29	eiPg eiSg	17 29 38.6C 54.1	Weak. Δ=125 km. ~ 1.1 dg. Aftershock of April 29. Northern Spo-

Date	Phase	Time	Additional Readings and Remarks+
April 29	eiSn e*Pn e*iSg	55.1 17 29 50.7 30 19.4	rades (BCIS). Very weak. Δ=205 km. ~ 1.8 dg. Felt on the Islands of Skopelos (IV at Skopelos) and Euboea (IV at Ste.-Anna).
29	eiPg eiSg e*	17 55 57.5CS 56 13.0 17 56 31.5	Weak. Δ=125 km. ~ 1.1 dg. After shock of April 29. Northern Sporades (BCIS). Traces.
29	ePg	19 15 10.4	Traces. Felt on Skopelos Island (IV at Skopelos).
30	ePg	02 29 30.3	Traces. Felt on Skopelos Island (IV at Skopelos).
30	iPg eiSn	13 11 50.3CSW 12 05.8	An=15μ, Tn=2.4 sec., Ae=18 μ, Te=2.0 sec., Δ=125 km. ~ 1.1 dg. M=4.5 (Athens). Aftershock of April 29. Northern Sporades 39°1 N, 23°8E.- H=18:11:33. Recorded up to 89°; N° of stations 16 (BCIS). Traces. Δ=200 km. ~ 1.8 dg. Felt on the Islands of Skopelos (IV+ at Skopelos), Euboea (IV at Aphratiion) and in the region of Magnesia (IV at Volos, Agria). Area of felt shaking about 20,000 km ² . M.M.=4.6*.
	e*?(Pn) e*Pg e*iSg	18 12 01.8 04.5 29.2	
30	eiPn ei!Sn	19 53 33.2IN 48.0	Very weak. Δ=125 km. ~ 1.1 dg. Felt on Skopelos Island (V at Skopelos).
May 1	ePg ei!Sn e*Pg	21 23 33.2C 49.8 21 23 50.5	Weak. Δ=125 km. ~ 1.1 dg. Probably aftershock of April 29. Northern Sporades.- H=21:23:15 (BCIS). Traces. Δ=200 km. ~ 1.8 dg. Felt on Skopelos Island (V at Skopelos).

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Date	Phase	Time	Additional Readings and Remarks.
May 2	iPn iPg eSn eiSg	23 24 25.80 27.6 40.6 43.0	An=8 μ , Tn=0.8 sec., Ae=9 μ , Te=0.8 sec., Δ =125 km. ~ 1.1 dg. M=4.2 (Athens). Northern Sporades 39°1'N, 23°8'E.- H=23:24:06. Recorded up to 25°; N° of stations 5 (BCIS). Magnitude adopted 3.
	e*Pn	23 24 36.5	Traces. Δ =200 km. ~ 1.8 dg. Felt on Skopelos Island (V at Skopelos).
4	e*?Pn e*Sn e*iSg ePn eiSy eiSg	16 43 07.4 29.6 32.1 16 43 14.4 42.4 43.7	Very weak. Δ =180 km. ~ 1.6 dg. Weak. Δ =210 km. ~ 1.9 dg. Near west coast of Peloponnesus about 36° $\frac{3}{4}$ N, 22°E.- H=16:42:40 (Athens). Felt in Messinia (V at Koryphasion, IV+ at Gargalianoe, Chora, IV at Chandrinou).
5	ei(Sg)	06 35 39.7	Traces. Felt on Skopelos Island (IV+ at Skopelos).
5	e	11 57 16.0	Traces. Felt on Skopelos Island (IV+ at Skopelos).
6	e(Pn)	02 00 29.4	Traces. Felt in Kastoria (IV+ at Vogatsikon).
6	ePg	02 29 08.5	Traces. Felt on Skopelos Island (IV+ at Skopelos).
6	e	06 10 51.7	Traces. Felt on Skopelos Island (IV at Skopelos).
7	ePg	03 41 35.1	Traces. Felt on Skopelos Island (III+ at Skopelos).
7	eiSg	04 44 00.0	Traces. Felt on Skopelos Island (III+ at Skopelos).
7	eiPn eiSg	09 39 18.90 47.5	Very weak. Δ =205 km. ~ 1.8 dg. Felt in Messinia (IV+ at Chora, Gargalianoe, IV at Philiatra, Ky-parissia).
May 8	eiPn	07 00 56.4	Traces. Felt in Messinia (IV at Chandrinou).
8	e*Pn e*iSg ePn eiPb ei!Pg eiSn eiSb ei!Sg	14 20 23.30 40.0 14 20 49.00 50.30 54.4 21 17.4 19.4 24.6	Traces. Δ =120 km. ~ 1.1 dg. An=2 μ , Tn=1.6 sec., Ae=2 μ , Te=1.6 sec., Δ =245 km. ~ 2.2 dg. M=3.9 (Athens). Off west coast of Peloponnesus about 37° $\frac{1}{2}$ N, 21°E (Athens). Felt on Zante Island (IV at Skoulikadon, Zante).
10	ei	13 57 13.20	Traces. Felt on Skopelos Island (III at Skopelos).
10	ePg	18 46 12.3	Traces. Felt on Skopelos Island (IV+ at Skopelos).
11	e	02 59 29.9	Traces. Felt on Skopelos Island (IV+ at Skopelos).
13	ePn	17 07 15.30	Very weak. Δ =440 km. ~ 4 dg. Near east coast of Rhodes Island 36°1'N, 28°1'E.- H=17:06:13. Recorded up to 26°; N° of stations 18 (BCIS). Magnitude adopted 4.
14	e(Pn)	03 07 03.0	Traces. Felt in Messinia (IV at Charokopion, III+ Phinikous).
14	e*Pg eiPg eiSn eiSb eiSg	05 09 54.9 05 10 21.8 46.3 49.7 56.0	Traces. Δ =110 km. ~ 1 dg. Traces. Δ =280 km. ~ 2.5 dg. Ionian Sea about 38°N, 20° $\frac{1}{2}$ E.- H=05:09:32 (Athens). Felt on the Islands of <u>Cephalonia</u> (IV at Argostolion, Skala, Lixourion) and Ithaca (II+ at Ithaca).
14	e*Pn e*Sn ePn ePb eiSb	17 00 48.2 01 08.1 17 01 07.7 10.90 48.1	Very weak. Δ =155 km. ~ 1.4 dg. Very weak. Δ =325 km. ~ 2.9 dg. Ionian Sea 38°N, 20°E.- H=17:00:22. Recorded up to 30°; N° of stations 19 (BCIS), Magnitude adopted 4.

94.

Date	Phase	Time	Additional Readings and Remarks.
May 15	e*Pn e*iSg ePn ei!Sn	01 13 52.00 14 13.2 01 14 11.20 46.7	Very weak. $\Delta=155$ km. ~ 1.4 dg. Very weak. $\Delta=325$ km. ~ 2.9 dg. Ionian sea about $38^{\circ}0'N$, $20^{\circ}0'E$.- H=01:13:28. Recorded up to 29° ; N $^{\circ}$ of stations 20 (BCIS). Magnitude adopted 4.
18	e*Pg e*iSg e?(Pg) eiSg	18 43 30.20 34.4 18 43 56.9 44 19.6	Very weak. $\Delta=30$ km. ~ 0.3 dg. Traces. $\Delta=185$ km. ~ 1.7 dg. Northern Peloponnesus about $38^{\circ}1/2'N$, $21^{\circ}3/4'E$.- H=18:43:24 (Athens). Felt in Achaia (IV at St.-George-Rion, Patras, Drepanon).
18	eP ei!S	20 03 36.9D 54.3	Very weak. $\Delta=150$ km. ~ 1.3 dg. Cyclades Islands $36^{\circ}7'N$, $24^{\circ}3'E$.- H=20:03:10; h about 90 km. Recorded up to 92° ; N $^{\circ}$ of stations 15 (BCIS). M=4.7 (Wichita M). 4.6 (Cumberland Pl., USCGS), 4.5 (Blue M.). Magnitude adopted 5.
25	e*Pn e*iSg ePn ePb eiSn eiSb	20 23 43.2 58.9 20 24 05.10 07.10 35.5 38.3	Very weak. $\Delta=120$ km. ~ 1.1 dg. Weak. $\Delta=270$ km. ~ 2.4 dg. Ionian Sea $37^{\circ}1/2'N$, $20^{\circ}3/4'E$.- H=20:23:23. Recorded up to 30° ; N $^{\circ}$ of stations 18 (BCIS). M=4.2 (Blue M) 4.1 (USCGS, Uinta Basin). Magnitude adopted $4\frac{1}{2}$. Felt on Zante Island (IV+ at Kerion, Skoulikadon, Zante).
June 4	eiPn eiSg	19 42 37.3CSW 53.0	Weak. $\Delta=115$ km. ~ 1 dg. Northern Sporades $39^{\circ}0'N$, $24^{\circ}0'E$.- H=19:42:16. Recorded up to 35° ; N $^{\circ}$ of stations 11 (BCIS). Magnitude adopted $3\frac{1}{4}$.
8	eiPn	14 17 33.2D	Traces. $\Delta=300$ km. ~ 2.7 dg. Crete Island region.- H=14:16.8 (BCIS). Felt on Crete Island, especially in Lasithion (V at Phourni).

95.

Date	Phase	Time	Additional Readings and Remarks.
June 8	eiP eiS	16 50 7.1D 53.4	Traces. $\Delta=445$ km. ~ 4 dg. Off east coast of Rhodes Island $36^{\circ}4'N$, $28^{\circ}4'E$.- H=16:49:05; h about 75 km. Recorded up to 32° ; N $^{\circ}$ of stations 17 (BCIS). Magnitude adopted $3\frac{1}{2}$.
10	e(Sg)	19 13 23.7	Traces. Felt in Achaia (III at Drepanon).
12	ePn	03 09 10.6	Traces. Felt in Arta (IV at Kompotion).
12	ePn ei!Pg eiSn eiSg e*(Pg)	04 10 16.6 20.2CSE 41.0 45.1 04 09 53.9	Very weak. $\Delta=210$ km. ~ 1.9 dg. West Greece $38^{\circ}3/4'N$, $21^{\circ}1/2'E$.- H=04:09:43 (Athens). Traces. Felt in <u>Aetolia</u> (IV at Agrinion II+ at Perdikakion), <u>Acarmania</u> (IV at Phlorias) and <u>Arta</u> (IV at Kompotion).
13	e*iPg ePn iSg	19 09 42.0D 19 10 08.5C 29.5	Very weak. Very weak. $\Delta=190$ km. ~ 1.7 dg. Northwestern Peloponnesus $38^{\circ}1/2'N$, $21^{\circ}3/4'E$.- H=19:09:39 (Athens). Felt in <u>Achaia</u> (V at St.-George Rion IV+ at Patras, Drepanon) and <u>Aetolia</u> (IV at Palaechorakion).
15	ePn	00 52 50.0	Traces. $\Delta=325$ km. ~ 2.9 dg. Off north east coast of Crete Island about $36^{\circ}0'N$, $26^{\circ}1/2'E$.- H=00:52:00 (BCIS).
23	ePg e*(Pg)	03 50 35.0 03 50.49	Traces. Traces. Felt in Arcadia (IV at Nestani).
24	ePn ePb ei!Sg	04 45 28.8C 30.4 57.5	Very weak. $\Delta=210$ km. ~ 1.9 dg. Felt on Ios Island (IV at Ios).

96.

Date	Phase	Time	Additional Readings and Remarks.
June 26	e*Pg ePn eiSg	10 23 17.9 10 23 40.0 24 04.3	Traces. Traces. $\Delta = 185$ km. ~ 1.7 dg. Central Greece about $38^{\circ}1'N$, $21^{\circ}3'E$. - H=10:23:12 (Athens). Felt in <u>Aetolia</u> (IV+ at Palaeochorakion), and <u>Achaia</u> (IV at Patras, St.- George-Rion).
29	eiPg iSg	09 32 08.4CSW 14.5	Weak. $\Delta = 45$ km. ~ 0.4 dg. Felt on Euboea Island (III at Chalkis).
29	eiPg	19 53 51.5D	Traces. Felt in Phthiotis (III+ at Leuka).
29	ePg	20 00 17.5	Traces. Felt in Phthiotis (III+ at Makrakomi).
July 1	e*(Pg) ePn eiSg	13 08 34.2 13 08 59.0 09 21.5	Traces. Traces. $\Delta = 170$ km. ~ 1.5 dg.
3	eiPn iSg iSn e*Pn e*iSg	11 48 58.5C 49 10.0 13.0 11 49 09.4 39.0	Weak. $\Delta = 100$ km. ~ 0.9 dg. Traces. $\Delta = 210$ km. ~ 1.9 dg.
4	eiPn iSy	11 12 19.1CS 13 19.0	An=10 μ , Tn=2.5 sec., Ae=16 μ , Te=2.9 sec., $\Delta = 435$ km. ~ 3.9 dg. M=5.1 (Athens). Bulgaria $41^{\circ}9'N$, $23^{\circ}4'E$. - H=11:11:20. Recorded up to 88° ; N $^{\circ}$ of stations 52 (BCIS). M=5.2 (Collm) 5.1 (Stuttgart), 4.6 (Sofia), 4.5 (Blue M. URSS), 4.3 (Uinta B), 4-4 $\frac{1}{4}$ (Eskdalemuir), 4.2 (Cumberland Pl.) Magnitude adopted 5 $\frac{1}{4}$.
	e*Pn e*iSb e*Sy	11 12 21.0 13 12.8 19.0	Very weak. $\Delta = 425$ km. ~ 3.8 dg. It was reported from Bulgaria (VI at Razlog). The shock was felt in <u>Xanthi</u> (IV at Xanthi), <u>Rodopi</u> (III+ at Komotini) and <u>Serrae</u> (III+ at Nea-Zichni). Area of felt shaking about 115,000 km 2 . M.M.=5.5*.

Date	Phase	Time	Additional Readings and Remarks.
July 5	e*Pn e*iSg	04 53 40.1 54 08.5	Very weak. $\Delta = 205$ km. ~ 1.9 dg.
	ePn eiSn	04 53 58.4 54 40.7	Weak. $\Delta = 345$ km. ~ 3.1 dg. Off west coast of Peloponnesus about $37^{\circ}0'N$, $20^{\circ}0'E$. H=04:53:10 (BCIS), Magnitude adopted 4 $\frac{1}{4}$.
8	ePn eiSn eiSy	01 33 50.5 34 30.0 40.0	Very weak. $\Delta = 360$ km. ~ 3.2 dg. Off west coast of Crete Island $35^{\circ}2'N$, $21^{\circ}7'E$. - H=01:32:58. Recorded up to 90° ; N $^{\circ}$ of stations 13 (BCIS). M=4.4 (Wichita M), 4.3 (USCGS, Blue M), 4.1 (Cumberland Pl.). Magnitude adopted 4 $\frac{1}{2}$.
8	ePg eiSg iSn	03 52 25.0 40.4 41.5	Weak. $\Delta = 120$ km. ~ 1.1 dg. Felt on Skopelos Island (V at Skopelos).
8	eSg	03 59 09.0	Traces. Felt on Skopelos Island (IV+ at Skopelos).
8	e*iPg ePn eiPy eiSb ei!Sg	15 33 21.8 15 33 47.5 50.0 34 16.8 21.0	Traces. Traces. $\Delta = 235$ km. ~ 2.1 dg.
9	e*Pg e*Sg ePg eiSg	14 41 04.3 06.5 14 41 34.4 55.2	Traces. Local Shock. Traces. $\Delta = 165$ km. ~ 1.5 dg. Northwestern Peloponnesus about $38^{\circ}1'N$, $21^{\circ}3'E$. - H=14:41:01 (Athens). Felt in Achaia (III+ at Patras).
10	ePn ePg eiSn	16 13 09.8 13.2 34.6	Traces. $\Delta = 210$ km. ~ 1.9 dg. Felt in Messinia (V at Chora).
12	eiPg eiSg	20 41 11.1 18.2	Traces. $\Delta = 60$ km. ~ 0.5 dg. Felt in Phthiotis (III at Martinon).

Date	Phase	Time	Additional Readings and Remarks.
July 12	ePg eiSg	23 33 01.1D 10.1	An=26 μ , Tn=1.2 sec., Ae=35 μ , Te=1.5 sec., Δ =70 km. ~ 0.6 dg. M=4.3 (Athens). Central Greece about 38° ¹ / ₂ N, 23° ¹ / ₄ E. - H=23:32:48 (Athens).
	e*Pn	23 33 11.9	Very weak. Δ =130 km. ~ 1.2 dg. Felt in Boeotia (V at Vaghia, Thisvi, IV+ Thespieae, Martinon; IV at Leuktra, Thebes, Kyriakion, III at Orchomenos).
12	eiPg eiSg	23 41 38.2 45.7	Traces. Δ =60 km. ~ 0.5 dg. Felt in Boeotia (V at Thespieae, IV+ at Mavromation, Aliartos, III at Davlia, II+ at Leuktra).
13	ePg eiSg	00 06 51.1 58.5	Traces. Δ =60 km. ~ 0.5 dg. Felt in Boeotia (II+ at Leuktra).
13	eiPg eiSg	09 47 23.3 30.6	Traces. Δ =60 km. ~ 0.5 dg. Felt in Boeotia (IV at Thisvi, II+ at Kyriakion).
13	iPg eiPg e*i(Sg)	14 05 56.0 06 03.7 14 06 25.8	Weak. Δ =60 km. ~ 0.5 dg. Traces. Felt in Boeotia (III+ at Thisvi).
13	eiPg eiSg	15 50 48.9C 56.9	Weak. Δ =60 km. ~ 0.5 dg. Felt in Boeotia (II+ at Leuktra).
13	iPg eiSg e*iSg	16 00 44.8C 52.3 16 01 14.7	Weak. Δ =60 km. ~ 0.5 dg. Traces. Felt in Boeotia (IV at Thespieae, III at Martinon, II+ at Vaghia, Leuktra), and on <u>Euboea</u> Island (II+ at Chalkis).
16	ePn	13 42 29.8	Very weak. Δ =315 km. ~ 2.8 dg. Near west coast of Epirus about 39° ¹ / ₄ N, 20° ¹ / ₂ E. - H=13:41.7 (BCIS). Felt in <u>Preveza</u> (IV at Parga) and <u>Thesprotia</u> (III at Egoumenitsa).

Date	Phase	Time	Additional Readings and Remarks.
July 17	iP iS eiScS	02 34 48.2CNE 35 03.4 49 25.4	An=266 μ , Tn==2 sec., Δ =20 km. ~ 0.2 dg. M=5.8 (Athens). Central Greece 38°ON, 23°5E. - H=02:34:26; h about 160 km. Recorded up to 152°; N° of stations 217 (BCIS). M=6.2 (Kiruna, Uppsala), 5 ³ / ₄ -6 (Matsushiro), 5.6 (Tonto Forest), 5 ¹ / ₂ -5 ³ / ₄ (Berkeley), 5.5 (Kew, Albuquerque), 5.4 (Eskdalemuir, USCGS), 5.35 (Praha), 5.2 (State College, Cumberland Fl.), 4.6 (Stuttgart). Magnitude adopted 6.
	e*iP	02 34 56.6C	Weak. Δ =150 km. ~ 1.3 dg. Felt in <u>Messinia</u> (VI at Kynighos Kremydion, Pyrgos, Vlachopoulon, V+ Chatzi, Diodia, Chanozinou, Chrysokelaria, V at Meligalas, Chandrinou, Vasilitsion, IV+ at Phinikous, Ano-Dorion, Artikion, Platy, Mikromani, Messini, Avramion, Dorion, Chora, Zevgolation, Philiatra, Gargalianoe, Katsaron, Charokopion, Evangelismos, Arios, Arphara, IV at Kyparissia, Kalamae, Gianitsanika, Kentrikon, Petalidion, Psarion, Methoni, Longa, Pylos, Thouria, III+ at Diavolitsion, Skala), <u>Elis</u> (VI at Vouprasion, Pelopion, V+ at Amalias, Kato-Phigalia, Vartholomion, Goumeron, Kalidona, Salmona, Traganon, Kyllini, Makrisia, Letrinae, Douneika, Andritsaena, Gastouni, V at Vounargos, Strephion, IV+ at Manolas, Kardama, Myrsini, Andravida, Zacharo, IV at Lampia, III+ at Savalia, Katakolon, Neochorion), <u>Argolis</u> (V+ at Nea-Tirynthos, Palaea-Epidavros, V at Argos, IV+ at Ermioni, St.-Adrianos, Karya, Ligorion, Arachnaeon, Achladokampos, Nauplion, Drepanon, Didyma, IV at Kranidion, Koutso podion, Nea-Epi-

<u>Date</u>	<u>Phase</u>	<u>Time</u>	<u>Additional Readings and Remarks.</u>
July 17			<p>davros, Nea-Kios, III+ at Asini), <u>Arcadia</u> (V+ at Megalopolis, Vlachokerasia, Palumba, Kandila, V at Nestani, IV+ at Kakourion, St.-Nikolaos, Dimitsana, Rizae, Levidion, St.-Andreas, Astros, Korakovounion, St.-Petros, Leonidion, Loukas, Langadia, Vytina, Kollinae, IV at Ano-Doliana, Parthenion, Kapsia, Dara, III+ at Kosmas, Stadion), <u>Corinthia</u> (V+ at Athikia, Dervenion, Xylokastron, V at Assos, Stimanga, IV+ at Chiliomodion Corinth, Vrachation, Velon, Panarition, Nemea, Isthmia, Perighialion, Kryonerion, Lechaeon, IV at Loutrakion, St.-Theodoroe), <u>Achaia</u> (V+ at Pteri, V at Temeni, Kato-Klitoria, Kertezi, Patras, IV+ at Drosia, Alissos, Klitor, Drymos, Lousika, Kareika, Kato Achaia, Lechourion, Kalavryta, IV at Methoni, Vrachneika, Kounina, Ano-Klitoria, Perithorion, Skiada, III+ at Daphni, III at Chalandritsa, II+ at Rododaphni, Lakopetra), <u>Aetolia</u> (V+ at Aetolikon, Stramona, Neochorion, IV+ at Agrinion, Palaeochorakion, Kae-nourghion, Dokimion, IV at Mesolonghion, III at Platanos), <u>Acar-nania</u> (IV+ at Palaeros, Amphilo-chia, IV at Peratia, Phlorias, Thy-rion, Paliampela, Astakos III+ at Katouna, II+ at Palaeoamanina, Patiopoulon), <u>Karditsa</u> (V+ at Drakotrypa, IV+ at Palaeoklision, Karditsa, IV at Mesenikolas, III+ at Magoula, Neochorion), <u>Evryta-nia</u> (V at Karpenision, Karoplesion, IV+ at Phounas), <u>Attica</u> (V at St.-Demetrius, IV+ at Neon-Phaliron, Megara, St.-Ioannis-Rentis, IV at Dryopi, Eleusis, Athens, Ki-</p>

<u>Date</u>	<u>Phase</u>	<u>Time</u>	<u>Additional Readings and Remarks.</u>
July 17			<p>phisia, St.-Anargyroe, Vilia, III+ at Ano-Liosia, Palaeon-Phaliron, Nea-Peramos, Kallithea, Avlon, Amphithea, Korydalos, Paeania, Nea-Erythraea, III at Koukouvaounae, II+ at Nea-Ionia), <u>Laconia</u> (V at Krokeae, IV+ at Kastorion, Mystras, Selasia, Anoghia, Gythion, Choritsa, Vlachiotsis, Asopesi, St.-Ioannis, Xirokampion, Ierax, Amyklae, Skoura, Daphni, IV at Skalos, Karyae, Palaeopanaghia, Sparti, Gerakion, St.-Dimitrius, Niata, Rachia Georgitsion, III+ at Epidavros, III at Areopolis), <u>Boeotia</u> (V at Thebes, Plataeae, Panaghia, IV+ at Davlia, IV at Aliartos, St.-Demetrius, Vaghia, Leuktra, Pavlon, Koryni, Mavromation, III+ at Orchomenos, Thespieae, St.-Vlasios, Akraefnion, Distomon, Asopia, III at Levadia), <u>Preveza</u> (V at Parga, Preveza, IV+ at Louros, Kranea), <u>Jannina</u> (V at Zitsa, Platanousa, IV+ at Katsikas, Parakalamos, Terovon, IV at Metsovon, Jannina, Perama, Kouklia, Pramanta, III+ at Doliana), <u>Phthiotis</u> (V at Reginion, Leukas, IV+ at Stylis, IV at Molos, Lianokladion, Domokos, Ladikon, Malesina, St.-Konstantinos, Tithorea, III+ at Livanatae, Makrokomi, III at Hypati), <u>Phokis</u> (IV+ at Galaxidion, IV at Kastellion, Amphissa, III+ at Itea, Lidorikion), <u>Thesprotia</u> (V at Nea-Seleukia, IV+ at Egoumenitsa, Margarition, IV at Kastrion, Saghida, Syvota, Flaesion, III+ at Philistae, III at Paramythia), <u>Arta</u> (IV at Tetrakomon, Kato-Graekikon, Drosopighi, Kataraktis, Pighae, Amotopos, Ramia, Agnanta, III+ at Ste.-</p>

<u>Date</u>	<u>Phase</u>	<u>Time</u>	<u>Additional Readings and Remarks.</u>
July 17			<p>Paraskevi, Kompton, Ano-Kalenti- ni, Athamanion, III at Korphovou- nion, St.-Spyridon, II+ at Dicho- merion), <u>Trikala</u> (IV+ at Taxi- ar chae, IV at Gristanon, Rachi), <u>Kozani</u> (IV+ at Kozani, III+ at Kok- kinia, Grevena), <u>Magnesia</u> (IV at Trikerion, III+ at Almyros), <u>La- rissa</u> (V at Amourion, III+ at Phar- sala, III at Larisa, II+ at Mavro- vounion), <u>Kastoria</u> (III+ at Kasto- ria), and on the Islands of <u>Zante</u> (V at Volimae, Kerion, IV+ at Zan- te, Skoulikadon, IV at Gaitanion, III+ at Kastanarion, III at Ano- Volimae), <u>Cephalonia</u> (IV+ at Li- xourion, Sami, Mousata, IV at Ska- la), <u>Ithaca</u> (IV+ at Ithaca), <u>Leu- kas</u> (V at Marantochorion, IV+ at Leukas), <u>Corfou</u> (V+ at Neochorion, V at Perivolion, Pagoe, IV+ at Av- liotae, Castourion, Chlomatianos, Karousades, Vasilatika, Nymphae, Riglades, Ano-Korakiana, IV at Corfou, Sinarades, III+ at Episkep- sis), <u>Euboea</u> (IV+ at Amarynthos, IV at St.-Loukas, III+ at Andro- nianoe, III at Aphrathon), <u>Sala- mis</u> (IV at Ampelakia), <u>Hydra</u> (III at Hydra), <u>Milos</u> (III+ at Milos), <u>Kea</u> (II+ at Kea), <u>Cythera</u> (IV at Potamos, III+ at Kythera), Crete: in <u>Chania</u> (V+ at Galatas, V at Souda, IV at Chania, Palaeochora, Kantanos, Maleme, Voukoliae, Va- mos, Vatolakkos, Kalivae, III+ at Daratsou, Platanos), <u>Rethymnon</u> (V at Garazos, IV+ at Margaritae, Livadion, Rethymnon, Melidonion, IV at Episkopi, Melampes, Anoghia, Spilion, III+ at Argypoupolis, II+ at Akoumia), <u>Heraklion</u> (V at Epis- kopi, Tyllisos, Gergeri, Archanae, IV+ at Profitis-Elias, Ampelouzou,</p>

<u>Date</u>	<u>Phase</u>	<u>Time</u>	<u>Additional Readings and Remarks.</u>
July 17			<p>Krouson, St.-Myron, Ste.-Varvara, Limn-Chersonisou, IV at Heraklion Nea-Mlikarnasos, Ano-Vianos, Thrap- sanos, Arkalochorion, III+ at Ga- lia, Malia, Moerae, Pitsidia, Da- phnes, Tympakion, III at Kastellion, Goniae, Kounavoe, Mochos), <u>Lasithi- on</u> (IV+ at Kalamauka, Milaton, IV at Phourni, St.-Petros, Ziros, Li- mmac, Neapolis, Zakron, Elountas, Tzermiadon, III+ at Vrachasion, Ma- lae, St.-Nikolaos Pikrokephalos, III at Sitia), <u>Kasos</u> (IV at Kasos), <u>Kar- pathos</u> (III at Meneton), <u>Rhodes</u> (III+ at St.-Isidoros, III at Mesa- nagros, Rhodes, III+ at Aphandou). The shock was reported from <u>Yugos- lavia</u> (IV at Titograd, Trebinje), <u>Turkey</u> (Canakkale and Edirne) and at Trieste. Not felt at Tropea, A- mygdalea, Vyzikion (of Arcadia), Valimitika, (of Achaia), Lavreoti- ki, Markopoulon-Oropou, Koropion, Aegalaeon, Hymittos, Perama, Kera- tea, Aphidnae, Nea-Palatia, Helli- nikon, Kapandrition, Petroupolis, Tavros, Nea-Makri, Kalamakion Chai- darion, Daphni, Vouliagmeni, Mara- thon (of Attica), Thisvi, Chalia (of Boeotia), Pelasghia, Sperchias, Anthili, (of Phthiotis), Peta (of Arta), Sourpi (of Magnesia), Vlacha- ta, Digaleton, Asprogerakas, (of Cephalonia), Karystos, Aghios (of Euboea), Pompia, Pyrgos, Zaros, St.- George, Anatoli, Kritsa (of Crete), Asphendion, Kephalos, Kardamaena (of Kos), Mallon (of Rhodes), Kaly- mnos (of Kalymnos), Tinos (of Tinos), Kea (of Kea), Ano-Syros (of Syros), Mykonos, (of Mykonos), Amorgos (of Amorgos), Naoussa, Paros (of Paros) Koronis, Naxos, Philotion (of Na-</p>

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Date	Phase	Time	Additional Readings and Remarks.
July 17			xos), Trypiti, Artemon (of Milos), Kimolos (of Kimolos), Kythnos (of Kythnos), Limin-Vatheos (of Samos). Area of felt shaking about 1100000 km ² . M.M. = 7.1*.
17	eiPn eiSg	06 43 06.3 20.3	Weak. $\Delta = 120$ km. ~ 1.1 dg. Felt in Laconia (V at Krokeae).
17	ePn ei!Sb	08 29 03.7 29.0	Weak. $\Delta = 200$ km. ~ 1.8 dg. Off south coast of Lemnos Island about 39°1'N, 25°E. - H=08:28:30 (BC IS). Felt on St.-Eustratios (IV at St.-Eustratios).-
18	i!P i(S)	03 41 02.5DSE 33.4	An-53 μ , Tn=3.1 sec., Ae=36 μ , Te=2.7 sec., $\Delta = 305$ km. ~ 2.7 dg. M=5.4 (Athens). Off north coast of Crete Island 35°.9N, 26°0E. - H=03:40:17; h about 90 km. Recorded up to 153°; N° of stations 138 (BCIS). M=5.7 (Kiruna, Uppsala), 5.1 (Wichita M), 5.0 (Nurmi-jaervi, Stuttgart). 4.9 (USCGS, Blue M), 4.8 (Cumberland PL.), 4.7 (Uinta B), 4.6 (Tonto Forest, State College), 4.5 (Eskdalemuir). Magnitude adopted 5 ¹ / ₂ .
	e*P e*iS	03 41 20.9 42 08.4	Weak. $\Delta = 455$ km. ~ 4.1 dg. Felt on Crete Island: <u>Heraklion</u> (V at Archanai, Thraspsana, Episkopi, IV+ at Tylissos, Malia, Limin-Chersonisou, Daphne, IV at Galia, Ampelouzos, Prophitis-Elias, Gonias, Krouson, Heraklion, Ano-Vianos, Nea-Alikarnasos, St.-Myron, Gengeri, Tympakion, Ste.-Varvara, III+ at Kounavoe, Kastellion, III at Mochos, II+ at Arkalochorion, Zaros, Pitsidia), <u>Lasithion</u> (V at Sitia, Phoumi, IV+ at Vrachasion, Malae, IV at

Date	Phase	Time	Additional Readings and Remarks.
July 18			Tzermiadon, St.-Nikolaos, Pikrokephalos, Anatoli, Milaton, Kato-Chorion, St.-George, Neapolis, Limnae, III+ at Elounta, Zakros, Kritsa), <u>Rethymnon</u> (V at Anoghia, Livadia, Episkopi, Akoumia, IV at Garazos, Melambes, III+ at Margaritae), <u>Chania</u> (IV at Galatas, Voukouliak, Kalivae, Daratson, III+ at Vatolakkos, Chania, Maleme, Souda, Palaeochora), and on the Islands <u>Anaphi</u> (V at Anaphi), <u>Chios</u> (V at Kelimasia), <u>Kasos</u> (IV at Kasos), <u>Astypalaea</u> (III+ at Astypalaea), <u>Rhodes</u> (IV at Maritsa, III+ at Megalochorion, Asklepieion, Livadion, III at Kalythies, Rhodes), <u>Kalymnos</u> (IV at Olympos), <u>Kos</u> (III at Antimachia) <u>Samos</u> (III at Vourliotae), Not felt at Pyrgos, Pompa, Argypolis, Platanos (of Crete), Kephalos, Asphendion (of Kos), Kalymnos (of Kalymnos), St.-Kyrikos (of Ikaria), Karlovasi (of Samos), Kalamoti (of Chios) Paros (of Paros), Naxos (of Naxos), Mykonos (of Mykonos), Tinos (of Tinos), Amorgos (of Amorgos), Kimolos (of Kimolos), Area of felt shaking about 230,000 km ² . M.M.=6.0*. Macroseismic focal depth ca 90 km.
19	eiPg iSg	19 41 37.4 47.4	Weak. $\Delta = 80$ km. ~ 0.7 dg. Felt in Corinthia (IV at Isthmia).
22	i*Pg i*Sg	21 26 20.8 24.3	Weak. $\Delta = 25$ km. ~ 0.2 dg.
	ePn iSn iSg	21 26 49.1 27 12.8 13.8	Traces. $\Delta = 200$ km. ~ 1.8 dg. Northwestern Peloponnesus, about 38°1'N, 21°1'2E. - H=21:26:16. (Athens). Felt in Achaia (IV at Patras).

Date	Phase	Time	Additional Readings and Remarks.
July 25	ePn iSn eiSg e*(Sg)	22 39 50.7 16.9 21.5 22 40 07.8	Very weak. $\Delta = 220$ km. ~ 2 dg. South Peloponnesus about $36^{\circ}\frac{3}{4}$, $21^{\circ}\frac{3}{4}$ E.- H=22:39:16 (Athens). Traces. Felt in Messinia IV at Pylos).
26	ePn ei!Sg e*(Pg)	05 45 19.4 55.1 05 45 03.5	Traces. $\Delta = 250$ km. ~ 2.3 dg. Traces. Felt on Leukas Island. (V at Marantochorion).
Aug. 6	eiPg iSg e*Pn	19 12 14.2D 22.0 19 12 25.1	Very weak. $\Delta = 65$ km. ~ 0.6 dg. Central Greece about $38^{\circ}\frac{1}{2}$ N, $23^{\circ}\frac{1}{4}$ E.- H=19:12:02 (Athens). Traces. $\Delta = 130$ km. ~ 1.2 dg. Felt in Phthiotis (IV+ at Martinon).
7	ePn	00 58 00.2	Traces. Felt in Chalkidike (IV+ at Polyghyros, IV at Armaea).
8	ePn eiSg	09 42 47.0 43 30.5	Traces. $\Delta = 410$ km. ~ 3.7 dg. Off north coast of Rhodes Island about $36^{\circ}\frac{1}{2}$ N, 28° E.- H=09:41.8 (BCIS). Magnitude adopted 3. Felt on Symi Island (IV+ at Symi).
10	e*	13 31 16.5	Traces. Felt on Cephalonia Island (IV+ at Digatelon).
10	e*Pg ePn eSn	14 33 07.8 14 33 34.5D 34 05.1	Traces. $\Delta = 80$ km. ~ 0.7 dg. Weak. $\Delta = 270$ km. ~ 2.4 dg. Ceph- alonia Island about $38^{\circ}\frac{1}{2}$ N, $20^{\circ}\frac{3}{4}$ E.- H=14:33:53 (Athens) Felt on Ceph- alonia Island (IV+ at Sami).
10	e*	15 05 03.5	Traces. Felt on Cephalonia Island (IV+ at Vlachata).
12	eiSg	01 41 23.3	Traces. Felt in Phthiotis (IV at Martinon).
12	eSg	22 14 31.4	Traces. Felt in Phthiotis (IV at Martinon).

Date	Phase	Time	Additional Readings and Remarks.
Aug. 13	eiSg	07 19 20.8	Traces. Felt in Phthiotis (III+ at Martinon).
13	ePn eSg	10 39 10.2 40 25.0	Traces. $\Delta = 480$ km. ~ 4.3 dg. Off south coast of Crete Island $33^{\circ}9$ N, $25^{\circ}5$ E.- H=10:38:04. Recorded up to 95° ; very poorly recorded up to 124° ; N $^{\circ}$ of stations 40 (BCIS). M=4.4 (USCGS, Kasperske Hory, Sut- tgart, Uinta B), 4.3 (Hungry Horse, Wichita M).
15	eS	08 59 55.0	Traces. $\Delta = 550$ km. ~ 5 dg. Off south east coast of Crete Island $34^{\circ}1$ N, $28^{\circ}2$ E.- H=08:57:42; h about 100 km. Recorded up to 87° ; N $^{\circ}$ of stations 14 (BCIS). Magnitude adopted $4\frac{1}{4}$.
15	ePg eiSg	23 02 05.7INW 11.9	Very weak. $\Delta = 45$ km. ~ 0.4 dg. Felt in Boeotia (IV at Thebes).
17	ePn eiPb iPg ei!Sn	00 18 36.4 40.1 48.9 19 17.4	An=7 μ , Tn=3.0 sec., Ae=12 μ , Te=3.2 sec., $\Delta = 385$ km. ~ 3.5 dg. M=4.9 (Athens). Crete Island $35^{\circ}1$ N, $26^{\circ}0$ E.- H=00:17:44. Recorded up to 95° ; Poorly recorded up to 125° ; N $^{\circ}$ of stations 88 (BCIS). M=5.2 (Cumber- land Pl.), 5.1 (Tonto Forest), 4.9 (Wichita M), 4.8 (USCGS), 4.7 (Blue M), 4.6 (NurmiJaervi), $4\frac{1}{2}$ (Eskdalemuir, Kew, URSS, Roma), 4.4 (Uinta B), 4.3 (Stuttgart). Magnitude adopted $5\frac{1}{2}$. Felt on Crete Island especially in Lasi- thion (VI at Cato-Chorion, V at Hierapetra, V at Malae, Anatoli Lithinae, IV at Tzermiadon, Zakros, Limnae, Phourni).
17	e	19 34 42.8	Traces. Felt on Zante Island (III at Skoulikadon).

Date	Phase	Time	Additional Readings and Remarks.
Aug. 17	ePn eiSg	22 31 04.2 32 01.0	Very weak. $\Delta=375$ km. ~ 3.4 dg. Crete Island $35^{\circ}1'N$, $26^{\circ}0'E$.- H=22:30:12; h about 0 km. Recorded up to 35° ; N ^o of stations 35 (BCIS). Felt on Crete Island especially in Lasithion (III+ at Hierapetra).
19	e*Pg e*iSg eiPn eiSn	17 17 31.3 37.5 17 17 49.5DS 18 05.5	Weak. $\Delta=50$ km. ~ 0.5 dg. Weak. $\Delta=170$ km. ~ 1.5 dg. Northern Peloponnesus about $37^{\circ}4'N$, $21^{\circ}4'E$.- H=17:17:22 (Athens). Felt in Achaia (IV+ at Kertezi IV at Kalavryta, Kounina, III at Patras).
20	eiPg	21 49 09.5C	Traces. Felt in Boeotia (III+ at Thebes).
23	eiPn eiSn	15 45 14.5CS 32.0	Very weak. $\Delta=155$ km. ~ 1.4 dg. Felt in Magnesia (IV at Agria).
24	e*P eP eiS	21 43 32.3 21 43 47.7 44 35.1	Traces. $\Delta=315$ km. ~ 2.8 dg. Very weak. $\Delta=470$ km. ~ 4.2 dg. Ionian Sea $40^{\circ}1'N$, $19^{\circ}0'E$.- H=21:42:48; h about 130 km. Recorded up to 60° ; N ^o of stations 24 (BCIS). Magnitude adopted $4\frac{1}{2}$.
25	ePb	07 09 36.2	Traces. $\Delta=525$ km. ~ 4.7 dg. Off south east coast of Rhodes Island $35^{\circ}5'N$, $28^{\circ}8'E$.- H=07:08:16. Recorded up to 95° ; N ^o of stations 28 (BCIS). M=4.8 (Nurmi-jaervi), 4.7 (Wichita M), 4.6 (Blue M). Magnitude adopted $4\frac{3}{4}$.
25	ePn	08 06 14.0	Traces. $\Delta=525$ km. ~ 4.7 dg. Off south east coast of Rhodes Island $35^{\circ}4'N$, $28^{\circ}7'E$.- H=08:05:01. Recorded up to 95° ; N ^o of stations 38 (BCIS) M=4.7 (Cumberland Pl.), 4.6

Date	Phase	Time	Additional Readings and Remarks.
Aug. 25			(USCGS, Wichita M.), 4.5 (Nurmi-jaervi); 4.3 (Blue M). Magnitude adopted 5.
25	ePb	09 31 04.0	Traces. $\Delta=505$ km. ~ 4.5 dg. Off south east coast of Rhodes Island $35^{\circ}1'N$, $28^{\circ}1'2'E$.- H=09:29:57. Recorded up to 91° ; N ^o of stations 7 (BCIS). Magnitude adopted 4.
25	ePn eiSy eiSg	11 13 00.3D 14 11.3 21.9	An=82 μ , Tn=6.0 sec., Ae=41 μ , Te=5.4 sec., $\Delta=520$ km. ~ 4.7 dg. M=5.9 (Athens). Off south east coast of Rhodes Island $35^{\circ}6'N$, $28^{\circ}8'E$.- H=11:11:49. Recorded up to 134° ; N ^o of stations 135 (BCIS) M=6.5 (Kobenhavn, Blacksburgh), 6.1 (USCGS), Uinta B, Alburguerque), 5.9 (Cumberland Pl.), 5.8 (Eureka), 5.7 (Tonto Forest, Nurmi-jaervi), 5.6 (Port Moresby), 5.4 (Praha), 5.3 (Uppsala, Kiruna), $5\frac{1}{4}$ - $5\frac{1}{2}$ (Matsushiro), $5\frac{1}{4}$ - $5\frac{1}{2}$ (Kew), 5.3 (Pruchonice), $5\frac{1}{4}$ (Moscow), 5.25 (Roma), 5.2 (College), 5.0 (Eskdalemuir, Collm), 4.7 (State College), 4.5 (Kipapa). Magnitude adopted 6.
	e*Pb	11 13 28.7	Traces. $\Delta=690$ km. ~ 6.2 dg.
25	ePn	11 44 02.2	Very weak. $\Delta=520$ km. ~ 4.7 dg. Off south east coast of Rhodes Island $35^{\circ}3'N$, $28^{\circ}6'E$.- H=11:42:58. Recorded up to 95° ; N ^o of stations 48 (BCIS).
25	eiPn ePb eiSg	14 38 46.4 52.9 39 10.7	An=70 μ , Tn=5.4 sec., Ae=47 μ , Te=5.4 sec., $\Delta=535$ km. ~ 4.8 dg. M=5.9 (Athens). Off south east coast of Rhodes Island $35^{\circ}6'N$, $29^{\circ}0'E$.- H=14:37:34. Recorded up to 95° ; N ^o of stations 81 (BCIS). M=5 (Cumberland Pl.), 4.8 (USCGS,

Date	Phase	Time	Additional Readings and Remarks.
Aug. 25			Wichita M. Nurmijaervi), 4.7 (Uinta B, Stuttgart), 4.5 (Blue M). Magnitude adopted $5\frac{3}{4}$.
	e*Pb	14 39 17.8	Traces. $\Delta=705$ km. ~ 6.3 dg.
25	ePn	17 56 53.3D	Traces, $\Delta=570$ km. ~ 5.1 dg. Off south east coast of Rhodes Island $35^{\circ}0'N$, $29^{\circ}0'E$.- H=17:55:37. Recorded up to 33° ; N ^o of stations 20 (BCIS). Magnitude adopted $4\frac{1}{4}$.
25	ePn eiSg	19 21 45.0 23 10.0	Traces. $\Delta=535$ km. ~ 4.8 dg. Off south east coast of Rhodes Island $35^{\circ}2'N$, $28^{\circ}7'E$.- H=19:20:30. Recorded up to 87° ; N ^o of stations 20 (BCIS). M=4.4 (USCGS, Cumberland Pl.), Magnitude adopted $4\frac{1}{2}$.
25	eiSg	20 56 22.0	Traces. $\Delta=550$ km. ~ 5 dg. Off south east coast of Rhodes Island $35^{\circ}4'N$, $28^{\circ}8'E$.- H=20:53:37. Recorded up to 33° ; N ^o of stations 12 (BCIS). Magnitude adopted 4.
26	e* e?(Pn)	12 48 50.8 12 49 14.3	Traces. Traces.
27	e(Sg)	05 04 08.1	Traces. Felt in Phthiotis (IV at Martinon).
27	e*Pn e*iSg ePn eiPb eiSn iSb eiSg	10 00 21.9 35.9 10 00 37.8 38.8 01 03.5 05.5 09.2	Very weak. $\Delta=110$ km. ~ 1 dg. Very weak. $\Delta=220$ km. ~ 2 dg. Near west coast of Peloponnesus about $37^{\circ}4'N$, $21^{\circ}1/2'E$.- H=10:00:02 (Athens). Felt in Elis (V+ at Krestena, V at Kalidona, IV+ at Makrisia, IV at Zacharo).
27	ePn eiSb eiSy	19 33 07.5 34 11.4 19.3	An=70 μ , Tn=5.4 sec., Ae=38 μ , Te=5.4 sec., $\Delta=520$ km. ~ 4.7 dg. M=5.9 (Athens). Off south east coast of Rhodes Island $35^{\circ}3'N$, $28^{\circ}6'E$.-

Date	Phase	Time	Additional Readings and Remarks.
Aug. 27			H=19:31:54. Recorded up to 125° ; N ^o of stations 114 (BCIS). M=5.5 (Kew), 5.4 (Pruhonice), 5.3 (Uppsala, Kiruna), $5\frac{1}{2}$ (Strasbourg), $5\frac{1}{4}$ (URSS, Roma, Matsushiro), 5.1 (Cumberland Pl.), 5.0 (Eskdalemuir), 4.9 (Nurmijaervi, Collm), 4.7 (USCGS), 4.6 (Blue M.), 4.5 (Wichita M), 4.4 (Stuttgart, Uinta B). Magnitude adopted $5\frac{3}{4}$.
	e*Pb e*Sy	19 33 40.7 34 07.4	Traces. $\Delta=690$ km. ~ 6.2 dg.
27	e*Pn e*iSg ePn eiPy eiSn	22 31 12.6 26.6 22 31 29.50 31.6 56.7	Very weak. $\Delta=110$ km. ~ 1 dg. Very weak. $\Delta=230$ km. ~ 2.1 dg. Near west coast of Peloponnesus about $37^{\circ}4'N$, $21^{\circ}1/2'E$.- H=22:30:53 (Athens). Felt in Elis (V at Kalidona).
27	e* ePn eiSn	22 48 19.4 22 48 24.8 49.0	Traces. Traces. $\Delta=205$ km. ~ 1.8 dg. Near west coast of Peloponnesus about $37^{\circ}4'N$, $27^{\circ}1/2'E$ (Athens). Felt in Elis (IV at Kalidona).
27	e*Pn	23 28 24.8	Traces. Felt in Elis (IV+ at Kalidona, Zacharo).
28	e*Pn ePn eiSn	12 06 42.5 12 07 06.5 39.3	Very weak. $\Delta=145$ km. ~ 1.3 dg. An=8 μ , Tn=2.4 sec., Ae=6 μ , Te=3.2 sec., $\Delta=315$ km. ~ 2.8 dg. M=4.7 (Athens). Ionian Sea $38^{\circ}0'N$, $20^{\circ}1'E$.- H=12:06:20. Recorded up to 128° ; N ^o of stations 56 (BCIS). M=4.8 (Wichita, M.), 4.5 (USCGS), 4.4 (Uinta B., Cumberland Pl.), 4.2 (Nurmijaervi), 4.0 (Tonto Forest). Magnitude adopted $5\frac{1}{4}$. Felt on Cephalonia Island (III+ at Sami).

Date	Phase	Time	Additional Readings and Remarks.
Aug. 28	ePn	15 39 00	Traces. $\Delta=650$ km. ~ 5.8 dg. - H=15:37.5 (BCIS).
29	ePn	19 39 08.5	e? 39:05. An=5 μ , Tn=5 sec., Ae=3 μ , Te=5 sec., $\Delta=530$ km. ~ 4.8 dg. M=4.7 (Athens). Off southeast coast of Rhodes Island 35°3'N, 28°7'E. - H=19:37:54. Recorded up to 125°; No of stations 44 (BCIS). M=4.9 (Kervo), 4.8 (Cumberland Pl.), 4.7 (USCGS, Wichita M.), 4.3 (Blue M), 4.0 (Stuttgart), Magnitude adopted 4 $\frac{3}{4}$.
30	ePn	06 43 00.3	Traces. Felt in Elis (IV at Makrisia).
30	e*Pg eiPn ePb eiSy eSg	15 52 23.1 15 53 09.5DW 10.0 35.2 36.5	Very weak. $\Delta=70$ km. ~ 0.6 dg. An=2 μ , Tn=1.4 sec., Ae=2 μ , Te=1.8 sec., $\Delta=195$ km. ~ 1.8 dg. M=3.8 (Athens). West Peloponnesus 37°6'N, 21°6'E. - H=15:52:36 Recorded up to 33°; No of stations 4 (BCIS). Magnitude adopted 4. Felt in Elis (VII at Grylos, VI+ at Vrina, Ano-Samikon, Visovan, Krounoe, VI at Makrisia V+ at Alphioussa, Krestena, V at Vouprasion, Strephion, IV+ at Kalidona, Zacharo IV at Platanos, Kyllini, Kalaphas, III+ at Kato-Phigalia), and Messinia (V at Kopanakion, III at Pylos, Philiatra, II+ at Zevgarakion). Not felt at Vartholomion, Amalias, Andravida, Manolas, Varvasena, Katakolon, Andritsena, Epitalion (of Elis), Gargalianoe, Kalamae (of Messinia),
30	ePg	20 43 23.7	Traces. Felt in Phthiotis (IV+ at Martinon).
31	e*Pg e*Sg	19 36 23.2 39.9	Very weak. $\Delta=140$ km. ~ 1.3 dg.

Date	Phase	Time	Additional Readings and Remarks.
Aug. 31	ePn eiSn eSy	19 36 43.0 37 15.3 22.0	Weak. $\Delta=290$ km. ~ 2.6 dg. Ionian Sea 37°5'N, 20°5'E. - H=19:35:58. Recorded up to 30°; No of stations 15 (BCIS). Magnitude adopted 3 $\frac{1}{4}$. Felt in Cephalonia Island (IV+ at Lixourion),
31	ePb	22 01 18.8	Traces. $\Delta=340$ km. ~ 3.1 dg. Crete Island 35°4'N, 25°1'2"E. - H=22:00.4. Recorded up to 31°; No of stations 2 (BCIS).
Sept. 1	eiPg iSg	11 43 12.1 18.3	Weak. $\Delta=45$ km. ~ 0.4 dg. Felt in Boeotia (IV at Thebes).
3	e*Pg e*Sg	18 42 13.8 26.8	Traces. $\Delta=105$ km. ~ 0.9 dg. West of Peloponnesus 37°1'2"N, 21°1'2"E. - H=18:42:00 (Athens)
	ePn eiPb eiPg ei!Sn eiSb	18 42 33.6 34.8 37.2 58.6 43 00.0	Traces. $\Delta=210$ km. ~ 1.9 dg. Felt in Elis (VI at Krestena V+ at Makrisia, Krounoe, Ano-Samikon, Kato-Samikon, Vrina).
4	eiPg iSg	00 51 12.8D 18.7	Very weak. $\Delta=45$ km. ~ 0.4 dg. Felt in Boeotia (IV at Thebes).
4	ePg eiSg	01 22 03.5 09.8	Very weak. $\Delta=45$ km. ~ 0.4 dg. Felt in Boeotia (IV at Thebes).
5	e*Pg e*Sg	14 36 22.1 35.8	Traces. $\Delta=110$ km. ~ 1 dg.
	ePn eiPb eiSb iSg	14 36 37.0 39.0 37 04.3 07.4	Traces. $\Delta=215$ km. ~ 1.9 dg. H=14:36:02 (Athens).
5	ePn	22 32 35.5	Traces. Felt in Elis (II+ at Kalidona).
7	e*Pg e*Sg	04 36 26.4 39.9	Traces. $\Delta=110$ km. ~ 1 dg. West Peloponnesus about 37°1'2"N, 21°1'2"E. - H=04:36:17 (Athens).

Date Sept.	Phase	Time	Additional Readings and Remarks.
7	ePn eSg	04 36 51.9 37 22.2	Traces. $\Delta=220$ km. ~ 2 dg. Felt in Elis (IV at Vartholomion).
7	e*Pg e*Sg	21 11 01.6 19.3	Traces. $\Delta=145$ km. ~ 1.3 dg. West Peloponnesus $37^{\circ}N$, $21^{\circ}\frac{3}{4}E$.- H=21:10:36 (Athens).
	ePn eiSn	21 11 11.9 37.7	Very weak. $\Delta=220$ km. ~ 2 dg. Felt in Messinia (IV at Dorion, Ano-Dorion, Kopanakion, Gargalianoe, Avramion, Meropi, Kyparissia), and Elis (IV at Kalidona).
8	iPg eiSg	00 40 53.6CS 41 06.4	Weak. $\Delta=105$ km. ~ 0.9 dg. Euboea Island $38^{\circ}\frac{1}{2}N$, $24^{\circ}E$.- H=00:40:36 (Athens).
	e*Pn e*Sn e*Sg	00 41 09.7 32.3 38.7	Traces. $\Delta=210$ km. ~ 1.9 dg. Felt in Phthiotis (IV at Martinon), and Euboea Island (III+ at Chalkis).
12	i*Pg	05 16 42.9D	Traces. Northwest Peloponnesus about $38^{\circ}1/2N$, $21^{\circ}1/2E$.- H=05:16:40 (Athens).
	ePn eiSn eiSg	05 17 08.4 29.3 33.6	Traces. $\Delta=190$ km. ~ 1.7 dg. Felt in Achaia (IV at Patras).
13	ePy eSy	22 54 35.5 55 27	Traces. $\Delta=450$ km. ~ 4 dg. Ochride, Yugoslavia, $41^{\circ}4N$, $20^{\circ}9E$.- H=22:53:21. Recorded up to 23° ; N ^o of stations 22 (BCIS). M=3.2 (Beograd). Magnitude adopted 4.
15	e(Sg)	10 38 39.0	Traces. Felt in Phthiotis (III at Ladikon).
15	iPg iSg	10 53 47.5IN 53.6	Weak. $\Delta=45$ km. ~ 0.4 dg. Felt in Attica (IV at Avlon, Grammatikon III+ at Vilia, III at Megara, II+ at Koropion).
16	e(Sg)	11 37 11.1	Traces. Felt in Phthiotis (III+ at Leuka).
17	eiPn e*Sg	19 57 19.4D 19 58 04.7	Traces. Traces.

Date Sept.	Phase	Time	Additional Readings and Remarks.
17	i*Pg i*!Sg	21 07 33.3C 38.3	Very weak. $\Delta=35$ km. ~ 0.3 dg. Central Greece $38^{\circ}1/2N$, $22^{\circ}E$.- H=21:07:28 (Athens).
	ePn eiPg eiSn	21 07 53.3 54.5 08 12.3	Traces. $\Delta=160$ km. ~ 1.4 dg. Felt in Phokis (IV+ at Kallithea), Aetolia (IV+ at Palaeochorakion) and Achaia (IV+ at Aeghion, IV at Patras).
17	e* ePn eSg	22 45 31.1 22 45 51.7 46 10.7	Traces. Traces. $\Delta=150$ km. ~ 1.3 dg.
17	i*Pg i*Sg	22 46 35.5C 40.6	Traces. $\Delta=35$ km. ~ 0.3 dg. Central Greece $38^{\circ}1/2N$, $22^{\circ}E$.- H=22:46:31 (Athens).
	ePg eiSg	22 46 56.3 47 15.9	Traces. $\Delta=160$ km. ~ 1.4 dg. Felt in Phokis (IV at Kallithea), and in Achaia (IV at Aeghion).
17	i*Pg i*Sg	22 52 01.4C 06.2	Very weak. $\Delta=35$ km. ~ 0.3 dg. Central Greece $38^{\circ}1/2N$, $22^{\circ}\frac{1}{4}E$.- H=22:51:57 (Athens).
	ePg iSg	22 52 20.7 39.1	Very weak. $\Delta=150$ km. ~ 1.3 dg. Felt in Aetolia (IV+ at Palaeochorakion), Achaia (IV at Patras), and Phokis (III+ at Kallithea).
18	eiPn eiPb iSg	00 09 56.8D 10 02.7C 11 16.3	An=98 μ , Tn=5.8 sec., Ae=64 μ , Te=6.0 sec., $\Delta=505$ km. ~ 4.6 dg. M=6.0 (Athens). Off south east coast of Rhodes Island $35^{\circ}7N$, $28^{\circ}7E$.- H=00:08:48. Recorded up to 134° ; N ^o of stations 104 (BCIS). M=5.4 (Praha), 5.3 (Kiruna, Uppsala) $5^1/2-5^3/4$ (Matsushiro), 5.2 (Pruchonice), 5.15 (Colln), 5-5 $\frac{1}{4}$ (Kew, Eskdalemuir), 5.0 (URSS), 4.9 (Wichita M), 4.8 (Cumberland Pl.), 4.7 (CGS), 4.5 (Blue M, Uinta B), 4.4 (College), 4.0 (Tonto Forest). Magnitude adopted $5^1/2$.

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Date	Phase	Time	Additional Readings and Remarks.
Sept. 18	e*Ph e*Sn	00 10 28.4 11 26.8	Traces. $\Delta = 670$ km. ~ 6 dg.
18	i*Pg i*!Sg	01 45 02.0 08.0	Weak. $\Delta = 40$ km. ~ 0.4 dg. Central Greece $38^{\circ}1/2N$, $22^{\circ}4E$.- H=01:44:56 (Athens).
	ePg eiSg	01 45 20.5 39.2	Weak. $\Delta = 155$ km. ~ 1.4 dg. Felt in <u>Achaia</u> (IV+ at Patras). <u>Phokis</u> (IV+ at Kallithea) and <u>Aetolia</u> (IV at Platanos).
18	e*Pg e(Sg)	01 56 53.0 01 57 32.5	Traces. Felt in <u>Achaia</u> (IV at Drepanon, Kertezi) and <u>Phokis</u> (IV at Kallithea).
18	e*Pg e*Sg	04 00 48.3 53.6	Traces. $\Delta = 35$ km. ~ 0.3 dg. Central Greece $38^{\circ}1/2N$, $22^{\circ}4E$.- H=04:00:44 (Athens).
	ePg eiSg	04 01 08.0 26.4	Traces. $\Delta = 150$ km. ~ 1.3 dg. Felt in <u>Aetolia</u> (IV at Palacochorion) and <u>Phokis</u> (IV at Kallithea).
18	ePn	23 42 04.5	Traces. $\Delta = 570$ km. ~ 5.1 dg. Off south east coast of Rhodes Island $34^{\circ}1/2N$, $28^{\circ}1/2E$.- H=23:40:45. Recorded up to 21° ; N ^o of station 10 (BCIS). Magnitude adopted $3\frac{1}{2}$.
20	e*iPg e*iSg	00 48 56.5 59.3	Traces. Local Shock. Central Greece $38^{\circ}1/2N$, $21^{\circ}4E$.- H=00:48:54 (Athens).
	ePg eiSn eiSg	00 49 23.3 42.6 46.1	Traces. $\Delta = 175$ km. ~ 1.6 dg. Felt in <u>Achaia</u> (IV at Patras).
20	i*Pg e*iSg	01 55 25.0 30.2	Traces. $\Delta = 35$ km. ~ 0.3 dg. Central Greece $38^{\circ}1/2N$, $22^{\circ}E$.- H=01:55:21 (Athens).
	ePn eiSb iSg	01 55 47.2 56 08.4 09.4	Traces. $\Delta = 170$ km. ~ 1.5 dg. Felt in <u>Phokis</u> (IV at Kallithea) and <u>Aetolia</u> (III+ at Palacochorakion).
20	ePn eiSb	13 43 40.2 44 04.5	Very weak. $\Delta = 195$ km. ~ 1.8 dg. Cyclades Island $37^{\circ}N$, $25^{\circ}1/2E$.- H=

Date	Phase	Time	Additional Readings and Remarks.
Sept. 20	iSg	07.0	13:43.2 Recorded up to 33° ; N ^o of stations 6 (BCIS) Magnitude adopted $2\frac{3}{4}$. Felt on the Islands of <u>Naxos</u> (IV at Naxos) and <u>Ios</u> (III at Ios).
21	iPn iSn	05 06 39.9D 07 03.7	Very weak. $\Delta = 200$ km. ~ 1.8 dg. Felt in Larisa (V at Namata, Sykourion, IV+ at Larisa, Platykampos, IV at Timavos, III+ at Gonoe, Ampelon).
21	eSg	16 23 40.0	Traces. $\Delta = 400$ km. ~ 3.0 dg. North-western Turkey $39^{\circ}7N$, $27^{\circ}8E$.- H=16:21:39 (BCIS).
24	e(Sg)	13 01 19.7	Traces. Felt in Thesprotia (V at Graekochorion, IV+ at Egoumenitsa).
24	ePb	13 23 42.8	Traces. $\Delta = 485$ km. ~ 4.4 dg. Off south east coast of Crete Island $34^{\circ}2N$, $26^{\circ}5E$.- H=13:22:29. Recorded up to 69° ; N ^o of stations 9 (BCIS). Magnitude adopted $3\frac{3}{4}$.
25	e?Pn eiPb eiSn eSb eSg	12 27 03.5 08.4 49.9 57.3 28 11.8	Very weak. $\Delta = 435$ km. ~ 3.9 dg. Sea of Marmara $40^{\circ}1/2N$, $27^{\circ}1/2E$.- H=12:26:07 (BCIS).
26	ePn eiSg	21 13 40.8D 59.8	Very weak. $\Delta = 155$ km. ~ 1.4 dg. Southeastern Peloponnesus $36^{\circ}2N$, $23^{\circ}E$.- H=21:13:16 (Athens).
	e*Pn e*Sg	21 13 46.3 14 13.3	Traces. $\Delta = 200$ km. ~ 1.8 dg. Felt in Laconia (IV+ at Amyklae, IV at Krokeae, Palaeopanaghia).
27	ePg	04 42 41.4	Traces. Felt in Phthiotis (IV at Martinon).
28	e*Pg	17 56 00.0	Traces. Northern Peloponnesus $38^{\circ}N$, $22^{\circ}1/2E$.- H=17:55:51 (Athens).

Date	Phase	Time	Additional Readings and Remarks.
Sept. 28	ePg eiSg	17 56 11.0 26.9	Very weak. $\Delta = 125$ km. ~ 1.1 dg. Felt in Arcadia (IV at Daras).
28	e*Pg e(Pn)	19 34 39.1 19 35 05	Traces. Very weak.
29	iPn iSg e*	02 23 24.80 44.6 02 24 09.2	Weak. $\Delta = 140$ km. ~ 1.3 dg. West of Chios Island $38^{\circ}5'N$, $25^{\circ}2'E$.- H=02:23:00 (BCIS). Traces. $\Delta = 300$ km. ~ 2.7 dg.
29	eiPg eiSn e*Pn	17 00 22.2 38.3 17 II 36.8	Weak. $\Delta = 115$ km. ~ 1.1 dg. North- ern Sporades $39^{\circ}0'N$, $24^{\circ}0'E$.- H= 17:00:03 (BCIS). Traces. $\Delta = 210$ km ~ 1.9 dg.
29	ePn eiSn	22 31 44.3 32 31.5	Traces. $\Delta = 450$ km. ~ 4 dg. Off southwest coast of Crete Island $34^{\circ}1'N$, $22^{\circ}8'E$.- H=22:30:47. Re- corded up to 33° ; N ^o of stations 16 (BCIS).
30	eiPn iSn e*Pn	04 40 37.2D 41 19.0 04 40 46.0	An=8 μ , Tn=3.4 sec., Ae=5 μ , Te=4.1 sec., $\Delta = 395$ km. ~ 3.6 dg. M=4.8 (Athens). Off south coast of Crete Island $34^{\circ}4'N$, $23^{\circ}3'E$.- H=04:39: 43. Recorded up to 132° ; N ^o of stations 82 (BCIS). M=5.5 (Uppsala, Kiruna), 5.1 (Shillong), 5 (Eskdalemuir), $4\frac{3}{4}$ -5 (Kew), 4.7 (Blue M), 4.6 (CGS), 4.5 (Wichita M), 4.4 (Cumberland Pl, Uinta B), 4.3 (Stuttgart), 4.1 (Nurmi- jaervi). Magnitude adopted $4\frac{1}{4}$. Very weak. $\Delta = 445$ km. ~ 4 dg.
30	e(Pn)	10 16 30.3	Very weak. Felt on Chios Island (IV+ at Vrondados).
30	e*Pn eiPb	10 27 30.4 10 27 54.3	Traces. $\Delta = 175$ km. ~ 1.6 dg. Io- nian Sea $37^{\circ}1'N$, $20^{\circ}0'E$.- H=10: 27:01 (BCIS). Very weak. $\Delta = 335$ km. ~ 3 dg.

Date	Phase	Time	Additional Readings and Remarks.
Oct. 1	e*Pg e*Sg e(Pn)	23 01 04.7 16.1 23 01 18.1	Traces. $\Delta = 90$ km. ~ 0.8 dg. Traces. Felt on Cephalonia Island (IV+ at Lixourion, IV at Argosto- lion).
3	ePn eiSn e*Sg	03 58 21.5 59 06.7 03 59 44.9	Very weak. $\Delta = 430$ km. ~ 3.9 dg. Off south coast of Crete Island $34^{\circ}2'N$, $23^{\circ}1'E$.- H=03:57:27; h=normal (ISC). Recorded up to 124° ; N ^o of sta- tions 18 (BCIS). Traces. $\Delta = 475$ km. ~ 4.3 dg.
3	ePn	09 45 01.5	Traces. $\Delta = 225$ km. ~ 2 dg. Chios Island about $38^{\circ}1'N$, $26^{\circ}1'E$.- H=09:44:25 (Athens). Felt on Chios Island (III at Neochorion).
4	eP	22 57 39.6	Very weak. $\Delta = 250$ km. ~ 2.2 dg. Zante Island $37^{\circ}8'N$, $20^{\circ}9'E$.- H=22:57:03.4; h about 90 km (CGS), M=4.4 (ISC), 4.2 (Blue M), 4.0 (CGS), 3.8 (Uin- ta Basin). Magnitude adopted $4\frac{3}{4}$. Felt on Zante Island (IV+ at Gai- tanion, Zante).
5	ePn	00 11 23.1	Traces. $\Delta = 395$ km. ~ 3.6 dg. Off southwest coast of Crete Island about $34^{\circ}1'N$, $23^{\circ}E$. H=00: 10.4 (BCIS).
5	ePn	01 24 48.7	Traces. $\Delta = 420$ km. ~ 3.8 dg. Alba- nia $40^{\circ}1'N$, $19^{\circ}7'E$.- H=01:23:50.6; h=25 km. M=4.1 (ISC). Recorded up to 87° ; N ^o of stations 6 (BCIS). Magnitude adopted $4\frac{1}{4}$.
5	e*(Sg) ePn eiSg	01 26 11.4 01 26 09.4 35.7	Traces. Traces. $\Delta = 200$ km. ~ 1.8 dg. Felt in Elis (IV at Krounoe, Krestena).
6	iPn iPg	14 30 59.4CSW 14.9	An=43 μ , Te=2.8 sec., Ae=36 μ , Te= 2.7 sec., $\Delta = 430$ km. ~ 3.9 dg.

Date	Phase	Time	Additional Readings and Remarks.
Oct. 6	eiSy iSg	58.6 31 06.9	M=5.6 (Athens). Northwestern Turkey 40°0'N, 28°0'E.- H=14:29:57. Recorded up to 148°; N° of stations 175 (BCIS). M=6.0 (NurmiJaervi), 5.4 (Kiruna, Uppsala, Wichita M, Eureka), 5.3 (Shillong), 5.2 (Stuttgart, ISC), 5.1 (Longmire, CGS, Eskdalemuir, Blue M, Unta Basin), 5.0 (Pruchonice), 4.8 (Kobenhavn), 4.6 (Tonto Forest).
	e*Pn e*Sy	14 31 16.4 32 35.4	Traces. Δ =570 km. ~ 5.1 dg.
6	i!!Pn i!!Sg	14 32 25.0 33 31.8	OCSSW An=995 μ , Tn=3.3 sec., Ae=825 μ , Te=3.9 sec., Δ =430 km. ~3.9 dg. M=7.0 (Athens). Northwestern Turkey 40°0'N, 28°0'E.- H=14:31:20. Recorded up to 157°; N° of stations 233 (BCIS). M=7 ¹ / ₂ (Matsushiro), 7.2 (Hawai Volc. Obs.), 7.1 (Kevo, Collm), 7.0 (Antofagasta, Berkeley), 6.9 (Uppsala, Kiruna), 6.8 (MLH Praha, Pruhonice, Berkeley, Pasadena), 6 ³ / ₄ (URSS), 6.7 (Eskdalemuir, Kew), 6 ¹ / ₂ -6 ³ / ₄ (Strasbourg), 6.5 (NurmiJaervi), 6.3 (Georgetown, Blacksbourg, Balboa-Heights), 6 ¹ / ₄ (Palisades), 6.2 (La Palma), 6.1 (Chittagong, Quetta), 6.0 (CGS, Longmire), 5.9 (Baguio, ISC, Trinidad), 5.8 (Stuttgart, Wichita M), 5.7 (State College), 5.6 (College, Cumberland Pl, Blue M, Unta Basin), 5.3 (Kobenhavn), 5.2 (Tonto Forest), 4.8 (Albuquerque).
	i*Py i*Pg	14 32 50.8 58.7	Δ =570 km. ~ 5.1 dg. Destructive earthquake centered near the southern side Manijas-Lake in Asia Minor. It was reported that 4000 houses were destroyed; 30 dead and 52 injured. Some Grevasses and hot springs observed. Salur, Bölecagac (40°05'N, 27°57'E and Elida were devastated. IX degree intensity

Date	Phase	Time	Additional Readings and Remarks.
Oct. 6			was assigned to Manijas (40°02'N; 27°58'E) and VIII degree to Mustafa Kemal Pasa, Susurluk, Gonen and Caracabey. Damages of VII degree were observed in Brusa, Balikesir and Bandirma. VI degree intensity was assigned to Kocael Sa Vastepe, Edremit, Cankhale and V degree to Istanbul. The shock was felt north wards as far as Bucarest. In the territory of Greece the shock was felt in Evros (IV at Peplon V+ at Souflion, Laginae, Avantos, Pythion, V at Anthia, Pherrae, Lavara, IV+ at Didymotichon, Ardalion, Nea-Vyssa, Kormopholea, Tycheron, Kavyli, Hellinchorion, Alexandroupolis, Paliourion, Ryzia, Phylakion, IV at Orestias, Zoni, Kyani Kyprinos, Leukimmi, Sykorachi, Ampelakia, Kastaneae, Mikro-Derion, Asproneron, Dikaea, Prangion, Amorion, Thourion, Mani, Petrota, III+ at Loutron Makri, Metaxades, III at Ormenion, Neochorion Pentalophos), <u>Rhodopi</u> (IV+ at Komotini, Salpy, Arisvi, Amvrosia, Kalamokastron, Lopharion, Arriana, IV at Krovylis, Asomatoe Kalchas, Kechros, Proskynitae, Organi, Sappae, Aratos, III Gratini, Iasmos, Pandrosos Kylagani, II+ at Maronia, Fagouria), <u>Xanthe</u> (IV+ at Erasmion, Neochorion, IV at Koutson, Gerakas, III+ at Genisea, Nea Kesani, Evlavion, III at Xanthe, Kotyli), <u>Kavala</u> (IV+ at Nea-Karvali, IV at Eleutheroupolis, III+ at Lekani, Neaperamos, Palaeochorion, Kavala, III at Podochorion, Sidirochorion,

Date	Phase	Time	Additional Readings and Remarks.
Oct.			Moustheni II+ at Mesoropi), <u>Drama</u> (III+ at Adriani, Mikropolis, Kato-Nevrokopion, III at Ptelea-Doxatou, II+ at Tholon, St.-Athanasios), <u>Serrae</u> (III+ at Palaeokomi, III at Daphni), <u>Chalkidike</u> (III at Hierisos), and on the Islands of <u>Lesvos</u> (VI+ at Keramion, V+ at Petra, V at Stypsi, Klio, Kalloni, Mesotopos, IV+ at Ste.-Paraskevi, Antissa, Hippis, Daphia, Mandamados, Skalochorion, Polychmitos, Vasilika, Parakoela, Vrissa, Kapi, Methymna, Vatousa IV Palaeochorion, Agra, Plaghia, Skopelos, Mesagros, Palaeokipos, Kato-Tritos, Anemotia, III+ at Aghiasos). <u>Lemnos</u> (V at Myrina, Kontopoulion, IV at Moudron, Kantias), <u>Chios</u> , (IV at Neochorion, Kalimasia, Langada, Nenita, Pyrghion III at Tholopotamion), <u>Samos</u> (IV at Vourliotae, Pagontas, Limin-Vatheos), <u>Thasos</u> (IV at Thasos, Kastron, III+ at Panaghia), <u>Samothraki</u> (IV at Samothraki), <u>St. Eustratios</u> (IV at St.-Eustratios), <u>Oenousae</u> (II+ at Oenousae). No felt at Nikisiani, Georgiani, Kokkinochroma Pemi, Kryonerion, Eleutherae, Zarkadia (of Kavala), Exochi, Myki, Polysiton, Mandra Toxotae (of Xanthi), Koudounia, Volakas, Sitagroe, Ochyrion, Kalabakion, Paranestion Doxaton, (of Drama), Sidirokastron, Nigrita, Pentapolis, Leukona (of Serrae), Neochorion, Nikita St.-Nikolaos, Armaea, Vrastana, Simantra, Nea-Moudania, Polygyros, Portaria, Galatista, Sykea, (of Chalkidike), St.-George, Thymiata (of Chios). Area of felt shaking about 720,000 km ² M.M=7.1*.

Date	Phase	Time	Additional Readings and Remarks.
Oct.			
7	ePg eiSg	03 03 28.5 43.5	Traces. $\Delta=120$ km. ~ 1.1 dg. Felt in Arcadia (IV at Lewidion).
7	eSg	03 34 19.5	Traces. $\Delta=430$ km. ~ 3.9 dg. Northwestern Turkey 40°N , 28°E .- H=07:32:10 (BCIS).
7	eSn	20 35 21.0	Traces. $\Delta=395$ km. ~ 3.6 dg. Northwestern Turkey about 40°N , 27°E .- H=20:33:40 (ISC). Magnitude adopted 3.
7	ePn	22 10 13.1	Traces. $\Delta=395$ km. ~ 3.6 dg. Northwestern Turkey 40°N , 27°E .- H=22:09:14.1; h=33 km. (ISC).
7	ePn	23 08 53.2	Very weak. $\Delta=465$ km. ~ 4.2 dg. Northwestern Turkey 40°N , 28°E .- H=23:07:55. Recorded up to 91° ; N ^o of stations 45 (BCIS). M=4.6 (Stuttgart, Uinta Basin), 4.4 (CGS), 4.3 (Blue M). Magnitude adopted 5.
9	eiFb eiPy iPg iSg	11 59 52.5D 56.4D 12 00 01.5 30.0	Very weak. $\Delta=370$ km. ~ 3.3 dg. Southern of Crete Island 34°N , 24°E .- H=11:52:02.6; h=9 km. (ISC).
12	ePg eSg	14 18 07.0 19 12.1	Traces. $\Delta=540$ km. ~ 4.9 dg. Off southeastern coast of Rhodes Island 35°N , 28°E .- H=14:16:29; h=33 km (CGS). Recorded up to 94° ; N ^o of stations 29 (BCIS). M=4.5 (Nurmijaervi), 4.3 (CGS), 4.2 (Blue M), Magnitude adopted $4\frac{3}{4}$.
13	eP eiS	10 31 02.5 46.2	Traces. $\Delta=415$ km. ~ 3.7 dg. Southwestern Turkey 36°N , 28°E .- H=10:30:09.2; h=76 km (ISC). Recorded up to 93° ; N ^o of stations 12 (BCIS). M=4.5 (Ksara), 4.4 (ISC). Magnitude adopted $4\frac{1}{2}$.

Date	Phase	Time	Additional Readings and Remarks.
Oct. 13	eiPn i!Sg	21 07 06.1 19.2	An=9 μ , Tn=0.6 sec., Ae=14 μ , Te=1.9 sec., Δ =115 km. ~ 1 dg. M=4.2 (Athens). Central Peloponnesus 37° ⁰¹ /2N, 22° ⁰¹ /2E.- H=21:06:46 (Athens).
	e*Pg e*Sg	21 07 06.2 21.4	Traces. Δ =120 km. ~ 1.1 dg. Felt in <u>Arcadia</u> (III+ at Levidion) and in <u>Elis</u> (II+ at Kalidona).
14	e(Sg)	14 45 13.6	Traces. Felt in Elis (V at Krestena).
14	e	21 54 57.3	Traces.
14	e*Pg e*Sg	22 11 19.5 26.5	Traces. Δ =55 km. ~ 0.5 dg. Northern Peloponnesus 37° ⁰² N, 22° ⁰⁴ E.- H=22:11:05 (Athens).
	eiPg iSg	22 11 24.80 40.8	Very weak. Δ =125 km. ~ 1.1 dg. Felt in Arcadia (V at Daras, IV+ at Vytina IV at Kapsia, III+ at Levidion).
15	ePg eSg	09 35 05.5 21.3	Traces. Δ =130 km. ~ 1.2 dg. Felt in Arcadia (III+ at Levidion).
15	eiSg	11 08 44.5	Traces. Δ =395 km. ~ 4.6 dg. Turkey about 40°0N, 27°5E.- H=11:06:38(ISC).
16	e*Pg e*Sg	09 11 38.3 46.8	Traces. Δ =70 km. ~ 0.6 dg. Central Greece 38° ⁰² N, 21° ⁰¹ /2E.- H=09:11:16 (Athens).
	ePn eiSn eiSg	09 11 50.8 12 17.1 21.7	Traces. Δ =220 km. ~ 2 dg. Felt in Acarmania (V at Astakos).
16	e*iPg e*Sg	11 22 07.0 12.5	Very weak. Δ =40 km. ~ 0.4 dg. Central Greece 38° ⁰¹ /2N, 22° ⁰⁴ E.- H=11:02:04(Athens).
	ePn eiSn	11 22 28.3 46.0	An=17 μ , Tn=1.2 sec., Ae=20 μ , Te=1.4 sec. Δ =155 km. ~ 1.4 dg. M=4.7 (Athens). Felt in <u>Phokis</u> (IV at Kallithea,

Date	Phase	Time	Additional Readings and Remarks.
Oct. 16			III+ at Kastellion) and in <u>Achaia</u> (III+ at Drepanon).
	e*iPg eiPg	16 21 39.5 16 22 01.4	Very weak. Very weak.
17	ePn iSy	09 51 19.5NW 52 18.2	An=19 μ , Tn=2.7 sec., Ae=42 μ , Te=3.9 sec., Δ =425 km. ~ 3.8 dg. M=5.5 (Athens). Off south coast of Crete Island 34°9N, 25°5E.- H=09:50:28. Recorded up to 125°; No of stations 118 (BCIS). M=5.2 (Shillong), 4.9 (Kew), 4.8 (CGS, Wichita M., Jerusalem, ISC), 4.4 (URSS, Eskdalemuir), 4.7 (Nurmi-jaervi, Cumberland Pl), 4.6 (College), 4.4 (Uinta Basin, Blue M). Magnitude adopted 5 ¹ / ₂ .
	e*Pn	09 51 42.0	Very weak. Δ =540 km. ~ 4.9 dg. Felt on Crete Island especially in <u>Heraklion</u> (V at Arkalochorion, Moerae, Archanae, IV+ at Daphne, Heraklion IV at Ampelouzos, Kastellion, III+ at Pyrgos) and in <u>Lasithion</u> (IV+ at Anatoli, IV at Malae, Tzermiadon, Kato-Chorion, Phourmi, III+ at St.- Nikolaos).
17	e*iPg e*iSg	13 29 42.1 46.8	Weak. Δ =35 km. ~ 0.3 dg. Northern Peloponnesus 38° ⁰² N, 22° ⁰⁰ E.- H=13:29:35.4; h=0 km; M=4.3 (ISC). Magnitude adopted 4 ¹ / ₄ .
	ePn eiSg	13 30 02.7 24.1	Very weak. Δ =155 km. ~ 1.4 dg. Felt in Achaia (IV at Patras, Drepanon).
18	ePn eiSg	02 56 58.5 57 34.5	Traces. Δ =250 km. ~ 2.2 dg. Lemnos Island about 40°0N, 25°0E.- H=02:56:30 (ISC). Magnitude adopted 4 ¹ / ₄ .
18	ePn iSg	02 58 48.6 59 20.4	An=6 μ , Tn=2.4 sec., Ae=3 μ , Te=0.8 sec., Δ =225 km. ~ 2 dg. M=4.2

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Date	Phase	Time	Additional Readings and Remarks.
Oct. 18			(Athens). Felt on the Islands of <u>Lesbos</u> . (IV at Keramion) and <u>Samos</u> (IV at Vourliotae).
18	e*Pg	19 24 12.3	Traces.
	eiPg	19 24 25.7	Very weak. $\Delta = 125$ km. ~ 1.1 dg.
	eiSn	41.0	
	eiSg	41.4	
19	ePn	01 29 16.8	Traces. $\Delta = 200$ km. ~ 1.8 dg.
	eiFg	20.3	Felt in Aetolia (III+ at Mesolonghion).
	eiSg	43.8	
19	ePn	14 07 38.0	Traces. $\Delta = 535$ km. ~ 4.8 dg. Turkey about $40^{\circ}5'N$, $29^{\circ}0'E$. - H=14:06:50 (ISC). Magnitude adopted $3\frac{1}{4}$.
	eiSb	08 43.5	
20	ePy	08 49 14.3	ei49:06c. An=4 μ , Tn=1.6 sec., Ae=3 μ , Te=1.4 sec., $\Delta = 475$ km. ~ 4.3 dg. M=4.6 (Athens). Turkey $40^{\circ}0'N$, $28^{\circ}6'E$. - H=08:47:56. Recorded up to 23° ; No. of stations 12 (BCIS). Magnitude adopted $4\frac{1}{2}$.
	iSg	50 18.8	
20	e	19 45 45.5	Traces. $\Delta = 270$ km. ~ 2.4 dg. South-eastern of Lesbos Island $38^{\circ}7'N$, $26^{\circ}7'E$. - H=19:43.17 (CGS). Recorded up to 23° ; No of stations 7 (BCIS). Magnitude adopted $3\frac{1}{2}$.
22	e*Pg	05 05 44.4	Traces. $\Delta = 120$ km. ~ 1.1 dg. Southern Peloponnesus $37^{\circ}4'N$, $22^{\circ}E$. - H=05:05:21 (Athens).
	e*Sg	06 00.0	
	ePn	05 05 52.8	Very weak. $\Delta = 180$ km. ~ 1.6 dg.
	eiSg	06 16.6	Felt in <u>Arcadia</u> (V at Megalopolis), and in <u>Elis</u> (IV at alidona, Vrina).
23	ePn	12 02 24.8	Traces. Felt in Karditsa (IV at Anavra, II+ at Kedros).
24	e(Pg)	00 13 49.4	Traces. Felt in Aetolia (III+ at Palaeochorakion).

Date	Phase	Time	Additional Readings and Remarks.
Oct. 25	ePn	13 50 36.3	Traces. $\Delta = 270$ km. ~ 2.4 dg. Lemnos Island about $40^{\circ}0'N$, $25^{\circ}5'E$. - H=13:49:55 (ISC). Magnitude adopted $3\frac{1}{4}$.
26	i!Pg	20 30 53.2	CSW Weak. $\Delta = 80$ km. ~ 0.7 dg.
	iSg	31 02.5	Felt on Euboea Island (IV+ at Achladeri, Avlonarion, IV at Vrysi).
26	iPg	21 30 02.2	CSW Very weak. $\Delta = 80$ km. ~ 0.7 dg.
	i!Sg	11.3	Felt on Euboea Island (IV at Avlonarion, Achladeri).
26	i!Pg	23 08 41.3	CSW Weak. $\Delta = 80$ km. ~ 0.7 dg.
	i!Sg	50.5	Felt on Euboea Island (IV at Avlonarion, Achladeri, Vrysi).
27	eiPg	00 27 58.5	Very Weak. $\Delta = 80$ km. ~ 0.7 dg.
	eiSg	28 07.7	Felt on Euboea Island (IV at Avlonarion, Achladeri).
27	i!Pg	00 32 23.1	CSW Weak. $\Delta = 80$ km. ~ 0.7 dg. Euboea
	eiSg	33.1	$38^{\circ}1'N$, $24^{\circ}E$. - H=00:32:10 (Athens).
	e*Pn	00 32 49.2	Traces. $\Delta = 200$ km. ~ 1.8 dg.
	e*Sg	33 15.9	Felt on Euboea Island (IV at Avlonarion, III at Vrysi).
27	i!Pg	01 22 17.6	CSW Weak. $\Delta = 80$ km. ~ 0.7 dg. Felt on Euboea Island (IV+ at Avlonarion, Achladeri, Vrysi).
	eiSg	27.1	
30	e*Pg	01 51 29.7	Traces. $\Delta = 65$ km. ~ 0.6 dg.
	e*Sg	37.7	Felt in Achaia (III at Temeni).
Nov. 1	e*Pg	19 14 09.0	Traces. $\Delta = 40$ km. ~ 0.4 dg.
	e*Sg	14.4	
	ePn	19 14 29.6	D Traces. $\Delta = 160$ km. ~ 1.4 dg. Central Greece (Phokis) probably $38^{\circ}1'N$, $22^{\circ}E$. - H=19:14:04 (Athens).
	eiSg	50.2	Felt in Phokis (III+ at Kallithea).
1	e(Sg)	23 22 35.3	Traces. Felt in Acarnania (IV at Phlorias).

Date	Phase	Time	Additional Readings and Remarks.
Nov. 3	e*Pg e*Sg	14 35 48.4 36 02.5	Traces. $\Delta=110$ km. ~ 1 dg.
	ePn iPb iSn iSg	14 36 08.9 11.10 37.6 43.7	Very weak. $\Delta=250$ km. ~ 2.2 dg. Cephalonia Island probably $38^{\circ}1'N$, $20^{\circ}3'E$.- H=14:35:31 (Athens).
5	eiPn iPg iSg	20 56 33.3 D 42.6 21.4	$A_n=5\mu$, $T_n=1.8$ sec., $A_e=6\mu$, $T_e=2.1$ sec. $\Delta=325$ km. ~ 2.9 dg. M=4.6 (Athens).
	e*Pn e*Sn e*Sb e*Sg	20 56 45.4 57 29.0 37.7 46.4	Traces. $\Delta=400$ km. ~ 3.6 dg. Near South coast of Crete Island, epicenter adopted $35^{\circ}1'N$, $24^{\circ}1'E$.- H=20:55:46, h=27 km., M=4.7. Recorded up to 99° ; No of stations 40 (ISC), $35^{\circ}1'N$, $24^{\circ}.2'E$.- H=20:55:43; h=10 km. M=4.2 (USCGS). $34^{\circ}6'N$, $23^{\circ}5'E$.- H=20:55:46 (BCIS). Magnitude adopted $4\frac{3}{4}$. Felt on Crete Island, especially in Chania (IV+ at Kantanos, IV at Vamos, Voukolias, II+ at Maleme).
11	ePn eSn eSb	18 26 11.5 49.8 55.5	Traces. $\Delta=340$ km. ~ 3.1 dg. Felt on Corfou Island (III+ at Corfou).
12	ePg eiSg	22 24 03.2 40.6	Traces. $\Delta=320$ km. ~ 2.9 dg. Felt in Salonica (IV at Assiros, II+ at Drymos).
13	ePn ePg eSb eiSg	17 56 40.8 47.8 57 14.6 18.4	Traces. $\Delta=260$ km. ~ 2.3 dg. Felt in <u>Arta</u> (IV+ at Kompotion) and in <u>Acarmania</u> (IV at Phlorias).
15	ePn eSn	23 43 47.4 26.5	Traces. $\Delta=350$ km. ~ 3.1 dg. Off north east coast of Crete Island $35^{\circ}5'N$, $26^{\circ}5'E$.- H=23:43:00 (ISC). Felt on Crete Island; especially in Lasithion (III at Phoumi).

Date	Phase	Time	Additional Readings and Remarks.
Nov. 16	e*Pg e*Sg	12 38 53.5 39 00.6	Traces. $\Delta=55$ km. ~ 0.5 dg.
	ePn eiPg ei(Sn) eiSg	12 39 09.0 09.4D 27.0 29.2	Very weak. $\Delta=160$ km. ~ 1.4 dg. Central Greece (Phokis). $38^{\circ}1'N$, $22^{\circ}4'E$.- H=12:38:44 (Athens). Felt in Phokis (IV+ at Kallithea).
16	e*Pg e*Sg	13 14 19.4 24.3	Traces. $\Delta=35$ km. ~ 0.3 dg.
	ePn eiSg	13 14 39.5 15 01.8	Traces. $\Delta=170$ km. ~ 1.5 dg. Central Greece (Phokis), probably $38^{\circ}1'N$, $22^{\circ}E$.- H=13:14:13 (Athens).
16	e*Pg e*Sg	20 28 57.3 29 03.4	Traces. $\Delta=45$ km. ~ 0.4 dg.
	ePn eiSg	20 29 11.4 28.0	Traces. $\Delta=135$ km. ~ 1.2 dg. Gulf of Corinth, $38^{\circ}1'N$, $22^{\circ}4'E$. H=20:28:50 (Athens). Felt in Phokis (IV at Kallithea).
22	ePn eSn eSg	02 29 14.8 59.2 30 17.6	Traces. $\Delta=410$ km. ~ 3.7 dg. Off south coast of Crete Island, epicenter adopted $34^{\circ}2'N$, $25^{\circ}9'E$.- H=02:28:17; h=37 km. Recorded up to 124° ; No of stations 22 (ISC) $34^{\circ}5'N$, $25^{\circ}3'E$.- H=02:28:16 (BCIS). $33^{\circ}9'N$, $24^{\circ}9'E$.- H=02:28:17; h=33 km; M=4.2 (USCGS). Magnitude adopted $4\frac{1}{2}$.
22	eiPg iSg	13 47 11.4CSW 16.9	Very weak. $\Delta=45$ km. ~ 0.4 dg. Felt in Attica (V at Markopoulon-Oropou).
26	ePn ePg eiSb eiSg	01 00 01.1 15.5 55.6 01 03.2	Traces. $\Delta=410$ km. ~ 3.7 dg. Off south coast of Crete Island, epicenter adopted $34^{\circ}4'N$, $25^{\circ}4'E$.- H=00:59:04; h=51 km. Recorded up to 56° ; No of stations 12 (ISC). $34^{\circ}7'N$, $25^{\circ}9'E$.- H=00:59:05; h=80 km. (USCGS). Magnitude adopted 4.

Date	Phase	Time	International Readings and Remarks.
Nov. 27	e*Pn e*Sg eiPn eiSg	20 02 58.8 03 18.6 20 03 02.8 26.1	Very weak. $\Delta = 155$ km. ~ 1.4 dg. An=6 μ , Tn=1.9 sec., Ae=7 μ , Te=1.9 sec., $\Delta = 190$ km. ~ 1.7 dg. M=4.5 (Athens). Near west coast of Peloponnesus 36°9'N, 22°0'E. - H=20:02:34; h=0 km (ISC). Felt in <u>Messenia</u> (V at Kalamae, IV+ at Avramion, Katsaron, Asprochoma, IV at Gargalianoe, III+ at Pylos, III at Phoenikus), <u>Laconia</u> (IV at Palaeopanaghia, Mystras, III+ at Skoura) and <u>Elis</u> (IV at Kalidona).
28	e	01 08 46.7	Northwestern Turkey 39°5'N, 26°5'E. - H=01:07:30 (ISC).
Dec. 1	i*Pg i*Sg eiPn iPg iSn	10 21 04.7 09.7 10 21 23.2 D 24.8 43.0	Weak. $\Delta = 35$ km. ~ 0.3 dg. Weak. $\Delta = 180$ km. ~ 1.6 dg. Central Greece (Aetolia), epicenter adopted 38°1/2'N, 21°3/4'E. - H=12:20:58 (Athens). 38°5'N, 22°5'E. - H=10:21:03; h=48 km.; M=4.7. Recorded up to 90°; N° of stations 15 (ISC). Magnitude adopted 4 1/2. Felt in <u>Achaia</u> (IV+ at Patras, Kerteze) and <u>Acarmania</u> (IV at Astakos).
6	e*Pg e*Sg ePn eiSg	19 48 59.4 49 02.3 19 48 25.0 47.0	Traces. $\Delta = 20$ km. ~ 0.2 dg. Traces. $\Delta = 205$ km. ~ 1.8 dg. Gulf of Patras 38°1/4'N, 21°1/2'E. - H=19:48:55 (Athens).
9	e*Pn ePn	18 29 28.5 18 29 35.8	Traces. $\Delta = 315$ km. ~ 2.8 dg. Very weak. $\Delta = 405$ km. ~ 3.6 dg. Greece-Yugoslavia border, epicenter adopted 41°0'N, 21°0'E. - H=18:28:37 (BCIS). 41°1'N, 21°0'E. -

Date	Phase	Time	Additional Readings and Remarks.
Dec. 9			H=18:28:38; h=30 km, M=4.8 (USCGS). 40°8'N, 20°6'E. - H=18:28:36 (MOS). 41°6'N, 20°9'E. - H=18:28:46; h=78 km; M=4.5. Recorded up to 93°; N° of stations 66 (ISC). Magnitude adopted 5 1/2. Felt in Florina (IV at Eroikon).
9	e*Pb e*Sb ePn eiSb	19 07 09.8 46.2 19 07 16.0 08 10.1	Traces. $\Delta = 315$ km. ~ 2.8 dg. Very weak. $\Delta = 405$ km. ~ 3.6 dg. Greece-Yugoslavia border, epicenter adopted 41°0'N, 21°0'E. - H=19:09:16 (BCIS). 40°9'N, 20°6'E. - H=19:06:17; h=23 km, M=4.9 (USCGS). 41°0'N, 20°8'E. - H=19:06:18 (MOS). 41°2'N, 20°9'E. - H=19:06:21; h=55 km; M=4.7. Recorded up to 89°; N° of stations 47 (ISC). Magnitude adopted 5.
11	ePg eiSg e*Pg e*Sg e*Sn	22 06 04.6 16.4 22 06 05.0 17.9 19.6	Very weak. $\Delta = 95$ km. ~ 0.9 dg. Traces. $\Delta = 100$ km. ~ 0.9 dg. Peloponnesus (Corinthia). 38°N, 22°3/4'E. - H=22:05:49 (Athens). Felt in <u>Corinthia</u> (IV+ at Velon) and in <u>Attica</u> (III at Athens).
12	eiPn eiPg eiSn eiSg	03 50 20.0 C 24.0 45.7 49.7	Traces. $\Delta = 220$ km. ~ 2 dg. Felt in Evrytania (IV at Karople-sion).
12	eiP e*S	13 12 33.3 D 13 13 11.3	Very weak. $\Delta = 305$ km. ~ 2.7 dg. Traces. $\Delta = 335$ km. ~ 3 dg. Off west coast of Crete Island, epicenter adopted 35°3'N, 23°0'E. - H=13:11:50; h=60 km. M=4.4 (USCGS). 34°9'N, 22°6'E. - H=13:11:49; h=47 km. Recorded up to 125°; N° of stations 18 (ISC). Magnitude adopted 1 1/2.

Date	Phase	Time	Additional Readings and Remarks.
Dec. 13	e*Pg	15 36 14.3	Traces. $\Delta=70$ km. ~ 0.6 dg.
	e*Sg	27.9	
	e Pn	15 36 31.5	Traces. $\Delta=185$ km. ~ 1.7 dg. Central Greece probably $38^{\circ}N$, $22^{\circ}E$.- H=15:36:03 (Athens).
	ePg	33.3	
	eSn	52.2	
15	ePn	02 52 28.2	Very weak. $\Delta=395$ km. ~ 3.6 dg. Near south coast of Crete Island, epicenter adopted $34^{\circ}N$, $26^{\circ}E$.- H=02:51:34; h=28 km. Recorded up to 94° ; No of stations 10 (ISC). $34^{\circ}N$, $26^{\circ}E$.- H=02:51:37; h=60 km.; M=4.4 (USCGS). Magnitude adopted $4\frac{1}{4}$.
	eiPb	34.2	
	eiSn	53 12.1	
	eiSb	20.3	
15	ePn	08 21 30.8	Traces. $\Delta=365$ km. ~ 3.3 dg. Greece Albania border $40^{\circ}N$, $20^{\circ}E$.- H=08:20:44; h=33 km. Recorded up to 94° ; No of stations 8 (ISC). Magnitude adopted 4.
	eiSn	22 11.2	
	iSg	25.7	
15	e(Pn)	21 04 23.0	Very weak. $\Delta=490$ km. ~ 4.4 dg. North-western Turkey, epicenter adopted $40^{\circ}N$, $28^{\circ}E$.- H=21:03:16; h=26 km; M=4.6. Recorded up to 91° ; No of stations 43 (ISC). $40^{\circ}N$, $29^{\circ}E$.- H=21:03:15 (BCIS). $40^{\circ}N$, $28^{\circ}E$.- H=21:03:16; h=33 km.; M=4.9 (USCGS). $40^{\circ}N$, $28^{\circ}E$.- H=21:03:19 (MDS). Magnitude adopted 5.
	eiPg	39.7 D	
	eiSn	05 14.2	
17	eiPg	01 43 51.7C	Very weak. $\Delta=70$ km. ~ 0.6 dg.
	iSg	44 00.8	
	e*Sn	01 44 13.5	Traces. $\Delta=115$ km. ~ 1 dg. Central Greece (Corinthia) $38^{\circ}N$, $23^{\circ}E$.- H=01:43:40 (Athens). Felt in <u>Corinthia</u> (IV+ at Isthmia, IV at Chiliomodion, Nemea) and in <u>Argolis</u> (IV+ at Arachnaeon).
18	eP	07 53 58.5	Traces. $\Delta=520$ km. ~ 4.7 dg. Off south east coast of Rhodes Island $35^{\circ}N$, $28^{\circ}E$.- H=07:52:45; h=74 km.

Date	Phase	Time	Additional Readings and Remarks.
Dec. 18			Recorded up to 86° ; No of stations 6 (ISC). Magnitude adopted 4.
19	ei(Pn)	02 00 07.4 D	Traces. $\Delta=495$ km. ~ 4.5 dg. Off south east coast of Rhodes Island $35^{\circ}N$, $28^{\circ}E$.- H=01:59:01; h=20 km. Recorded up to 80° ; No of stations 15 (ISC). Magnitude adopted 4.
	eiSn	01 05.5	
20	ePn	06 43 39.8	Traces. $\Delta=240$ km. ~ 2.2 dg.
	ei(Pb)	42.5C	Felt in Acarnania (IV at Florias).
	eSb	44 10.5	
	e*	06 43 46.9	
21	eiPn	01 02 36.8 C	Very weak. $\Delta=215$ km. ~ 1.9 dg.
	iSn	03 00.0	Felt in Karditsa (II+ at Kedros).
	iSg	06.5	
23	ePn	21 04 02.0	Traces. $\Delta=405$ km. ~ 3.6 dg. Greece-Yugoslavia border, epicenter adopted $41^{\circ}N$, $20^{\circ}E$. H=21:03:04; h=40 km. Recorded up to 21° ; No of stations 6 (ISC).
	eiPb	08.5	$41^{\circ}N$, $21^{\circ}E$.- H=21:03:02 (BCIS). Magnitude adopted $3\frac{1}{4}$.
25	eSg	23 07 22.0	Traces. $\Delta=380$ km. ~ 3.4 dg. North-western Turkey $40^{\circ}N$, $27^{\circ}E$.- H=23:05:30. Recorded up to 5° ; No of stations 5 (ISC). Magnitude adopted 3.
31	i!P	16 18 46.7DSE	An=16 μ , Te=2.3 sec. Ae=10 μ ; Tv=2.6 sec.
	iS	19 18.1	$\Delta=290$ km. ~ 2.6 dg. Me=5.0 (Athens).
	e*P	16 19 05.2	Traces. $\Delta=410$ km. ~ 3.7 dg. Off north coast of Crete Island, epicenter adopted $35^{\circ}N$, $25^{\circ}E$.- H=16:18:02; h=89 km., M=5.0. Recorded up to 135° ; No of stations 110 (ISC). Magnitude adopted $5\frac{3}{4}$;
	e*iS	48.1	$35^{\circ}N$, $25^{\circ}E$.- H=16:18:02; h=86 km; M=5.1 (USCGS).

<u>Date</u>	<u>Phase</u>	<u>Time</u>	<u>Additional Readings and Remarks.</u>
Dec. 31			<p>35°SN; 25°6E.- H=16:18:03; h=100 km. (BCIS); 36°0N, 25°5E.- H=16:18:08; h=100 km. (MOS). Felt on the Islands of Crete: <u>Lasithion</u> (IV+ at Phoumi, IV at Limnae, Kato-Chorion, Vrachasion) <u>Heraklion</u> (IV+ at Dafne, IV at St. Myron), <u>Rethymmon</u> (IV at Anoghia), and <u>Thera</u> (IV+ at Emporion). Area of felt shaking about 25,000 km². M.M.=4.9*.</p>

C, FELT SHOCKS NOT RECORDED.

<u>Date</u>	<u>Time</u> h.m.	<u>Localities</u>	<u>Provinces</u>	<u>Intensities.</u>
Jan.				
10	23:23	Kalidona	Elis	IV
13	11:40	Vatousa	Lesbos	II+
22	23:35	Palaeochorakion	Aetolia	IV
25	14:15	Drymos	Salonica	IV
25	20:45	Aliverion	Euboea	II+
28	04:30	Palaeochorakion	Aetolia	IV+
30	21:05	Riganion	Aetolia	IV
Feb.				
2	15:28	Limin-Vatheos	Samos	II+
8	23:51	Limin-Vatheos	Samos	II+
9	02:15	Limin-Vatheos	Samos	II+
10	13:18	Katsaros	Messinia	III
14	23:00	Patras	Achaia	III+
15	04:41	Terovon	Jannina	IV
15	14:00	Patras	Achaia	II+
20	03:23	Ste.-Paraskevi	Lesbos	IV
		Kalloni	Lesbos	III+
24	07:55	Skopelos	Skopelos	IV
24	08:45	Skopelos	Skopelos	III+
24	23:24	Skopelos	Skopelos	IV
24	23:30	Skopelos	Skopelos	IV
25	15:00	Skopelos	Skopelos	IV
26	05:50	Skopelos	Skopelos	IV
26	08:00	Skopelos	Skopelos	IV
27	01:01	Lechovon	Florina	IV
27	15:50	Skopelos	Skopelos	III
28	21:40	Skopelos	Skopelos	IV+
29	12:40	Skopelos	Skopelos	III
29	19:45	Skopelos	Skopelos	III
29	21:00	Skopelos	Skopelos	III
30	00:45	Phyki	Trikala	II+
March				
1	00:50	Skopelos	Skopelos	IV+
1	01:20	Skopelos	Skopelos	IV+
1	02:00	Skopelos	Skopelos	III

Date	Time	Localities	Provinces	Intensities
March				
1	03:00	Skopelos	Skopelos	III+
1	07:16	Skopelos	Skopelos	III
1	17:08	Davlia	Boeotia	III
1	17:39	Skopelos	Skopelos	III
1	18:30	Skiathos	Skiathos	IV+
		Skopelos	Skopelos	III
2	08:01	Skopelos	Skopelos	III
2	09:35	Skopelos	Skopelos	III
2	21:40	Riganion	Aetolia	III+
3	11:53	Skopelos	Skopelos	IV+
3	23:30	Skopelos	Skopelos	IV+
4	00:10	Skopelos	Skopelos	IV+
4	04:20	Skopelos	Skopelos	IV
5	19:29	Skopelos	Skopelos	II
7	04:00	Skopelos	Skopelos	II
10	17:20	Skopelos	Skopelos	II
10	18:24	Skopelos	Skopelos	II
13	07:18	Alonnisos	Alonnisos	III
19	19:03	Terovon	Jannina	IV
30	00:50	Tetrakomon	Arta	IV+
April				
11	04:58	Skopelos	Skopelos	III
12	05:26	Skopelos	Skopelos	III
12	12:30	Skopelos	Skopelos	III
12	13:17	Skopelos	Skopelos	III
14	07:05	Skopelos	Skopelos	III
16	05:00	Skopelos	Skopelos	IV
16	05:07	Nestani	Arcadia	IV
16	18:12	Lixourion	Cephalonia	IV
17	02:45	Preveza	Preveza	IV
22	03:11	Leuka	Phthiotis	III
22	08:15	Astakos	Aetolia	IV
25	03:50	Letrinae	Elis	IV
		Zacharo	Elis	IV
26	02:33	Sitia	Lasithion	V
28	12:30	Sesklon	Magnesia	III
28	16:21	Myrina	Lemnos	II+
29	04:00	Phalanna	Larisa	III
29	16:00	Livanatae	Phthiotis	IV
		Molos	Phthiotis	IV
29	17:15	Ste.-Anna	Euboea	IV+
29	18:30	Skopelos	Skopelos	IV

Date	Time	Localities	Provinces	Intensities
April				
30	02:32	Skopelos	Skopelos	IV
30	02:34	Skopelos	Skopelos	IV
30	17:00	Stephanovikion	Magnesia	IV
30	18:14	Skopelos	Skopelos	IV+
30	21:40	Skopelos	Skopelos	IV
May				
1	01:00	Chios	Chios	IV
		Neochorion	Chios	III+
1	05:20	Skopelos	Skopelos	III
10	12:30	Skopelos	Skopelos	IV
11	00:00	Skopelos	Skopelos	IV
11	00:30	Skopelos	Skopelos	IV
19	13:18	Lixourion	Cephalonia	IV
23	23:00	Jannina	Jannina	III
29	10:15	Lixourion	Cephalonia	II+
29	13:00	Lixourion	Cephalonia	II+
June				
5	20:45	Skoulikadon	Zante	IV+
6	07:00	Karpochorion	Karditsa	III+
16	19:00	Martinon	Phthiotis	IV+
17	17:32	Palaeomanina	Acarmania	II+
24	11:45	Drakia	Magnesia	IV
24	19:25	Drakia	Magnesia	IV
27	18:15	Leontarion	Karditsa	IV+
27	21:10	Leontarion	Karditsa	IV+
29	21:20	Charakas	Heraklion	V
29	23:10	Argostolion	Cephalonia	III
29	23:12	Argostolion	Cephalonia	IV
July				
5	12:45	Kosmion	Rodopi	III
13	02:00	Aphra	Corfou	V
13	02:10	Vaghia	Boeotia	IV
13	11:30	Leontarion	Boeotia	IV
17	11:00	Palaeomanina	Acarmania	II+
17	14:45	Longanikos	Laconia	IV+
18	19:30	Palaeomanina	Acarmania	II
24	02:30	Phyki	Trikala	III
27	15:30	Paxos	Corfou	III+

<u>Date</u>	<u>Time</u>	<u>Localities</u>	<u>Provinces</u>	<u>Intensities</u>
August	h:m			
8	10:29	Trikerion	Magnesia	V
8	17:22	Vlachata	Cephalonia	IV
10	12:00	St.-Nikolaos	Lasithion	IV
13	09:26	Katsaros	Messinia	II+
13	12:45	Martinon	Phthiotis	III+
13	13:20	Martinon	Phthiotis	IV+
14	01:33	Limin-Vatheos	Samos	II+
16	07:24	Digaleton	Cephalonia	II+
17	00:34	Drepanon	Argolis	IV
18	20:05	Martinon	Phthiotis	IV
28	00:20	Makrisia	Elis	IV
28	00:30	Makrisia	Elis	IV
30	04:13	Dounaeika	Elis	V
30	07:35	Kato-Chorion	Lasithion	IV
31	01:00	Makrisia	Elis	V+
31	05:30	Zacharo	Elis	IV+
31	10:40	Martinon	Phthiotis	IV
31	15:43	Olympos	Karpathos	III
Septemb.				
1	07:27	Proskynitae	Rodopi	IV
1	10:05	Malae	Lasithion	IV
4	19:50	Kalidona	Elis	II+
15	11:25	Argostolion	Cephalonia	IV
17	22:52	Kallithea	Phokis	III
20	20:20	Egoumenitsa	Thesprotia	IV+
		Graekochorion	Thesprotia	IV+
21	18:00	Krestena	Elis	V
24	21:00	Krestena	Elis	IV
27	03:30	Martinon	Phthiotis	IV
October				
5	15:15	Kalamoti	Chios	III
6	02:00	Palaeochora	Corinthia	IV
8	14:45	Keramidion	Magnesia	IV
14	12:17	Ios	Cyclades	III+
14	12:25	Ios	Cyclades	IV
18	05:15	Kavala	Kavala	III+
18	16:53	Anavra	Karditsa	III+
23	20:00	Krestena	Elis	IV
27	01:30	Achladeri	Euboea	IV
30	19:42	Kavala	Kavala	II+
31	00:30	Mandamados	Lesbos	IV

<u>Date</u>	<u>Time</u>	<u>Localities</u>	<u>Provinces</u>	<u>Intensities</u>
Nov.	h:m			
5	21:45	Kantanos	Chania	IV+
8	20:13	Lixourion	Cephalonia	III
8	20:17	Lixourion	Cephalonia	IV
9	07:00	Krestena	Elis	IV+
13	18:56	Kompotion	Arta	IV
14	08:17	Kompotion	Arta	IV
15	23:40	Phourmi	Lasithion	III
23	05:20	Markopoulon-Oropos	Attica	IV
28	08:00	Platy	Messinia	II
28	12:00	Avramion	Messinia	IV+
Dec.				
13	19:58	Isthmia	Corinthia	IV
14	17:30	Neon-Monastirion	Phthiotis	V+
17	02:45	Vrachation	Corinthia	IV

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	Tot.
Achamae	Attica			1							1
Achladeri	Euboea			6	1						7
Achladokampos	Argolis			1							1
Aeghina	Aeghina			1							1
Aeghion	Achaia			2							2
Aetolikon	Aetolia		1		1						2
Aghia	Larissa			3							3
Aghiasos	Lesbos		1								1
Aghios	Euboea			2							2
Agnanta	Arta			1							1
Agnanteron	Karditsa		1								1
Agnontas	Skopelos		1								1
Agra	Lesbos			1							1
Agrapha	Evrytania			1							1
Agria	Magnesia		1	5	1						7
Agrinion	Aetolia		2	4							6
Akoumia	Rethymnon	1		1							2
Akraephnion	Boeotia		1								1
Alexandroupolis	Evros			1							1
Aliartos	Boeotia			3							3
Alissos	Achaia		1	1							2
Aliverion	Euboea			6							6
Almyros	Magnesia		1	2							3
Alonnisos	Alonnisos			2	1						3
Alphioussa	Elis				1						1
Amalias	Elis				1						1
Amarousion	Attica			1							1
Amarynthos	Euboea			3							3
Ammotopos	Arta			1							1
Amorion	Evros			1							1
Amourion	Larisa			1	1						2
Ampelakia	Attica		1	2							3
Ampelakia	Evros			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	Tot.
Ampelon	Larisa		1	1							2
Ampelouzos	Heraklion			3							3
Amphiklia	Phthiotis			2							2
Amphilochia	Acamania			1							1
Amphissa	Phokis			2							2
Anphithea	Attica		1								1
Amvrosia	Rodopi			1							1
Amyklae	Laconia			2							2
Analipsis	Aetolia			1							1
Anaphi	Cyclades				1						1
Anarrachi	Kozani			1							1
Anatoli	Lasithion		1	2	1						4
Anavra	Karditsa			2							2
Andravida	Elis			1							1
Andriani	Drama		1								1
Andritsaena	Elis				2						2
Andronianoe	Euboea		1	4							5
Anemotia	Lesbos			1							1
Angista	Serrae			2							2
Anoghia	Laconia			1							1
Anoghia	Rethymnon			1	1						2
Ano-Doliana	Arcadia			1							1
Ano-Dorion	Messinia			2							2
Ano-Kalentini	Arta			1							1
Ano-Kastritsi	Achaia			1							1
on											
Ano-Klitoria	Achaia		1	1							2
Ano-Korakiana	Corfou			1							1
Ano-Lechonia	Magnesia			2							2
Ano-Liosia	Attica		1	1							2
Ano-Samikon	Elis				1	1					2
Ano-Viannos	Heraklion			2							2
Ano-Volimae	Zante		1								1
Anthia	Evros				1						1
Anthili	Phthiotis			1							1
Anthiron	Karditsa		1								1
Antimachia	Kos			1							1
Antissa	Lesbos			1							1
Aphantou	Rhodes		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	Tot.
Aphidnae	Attica		1								1
Aphratiion	Euboea		2	4							6
Arachnaeon	Argolis			2							2
Aratos	Rodopi			1							1
Archanae	Heraklion		1	1	2						4
Ardanion	Evros			1							1
Areopolis	Laconia		1								1
Argalasti	Magnesia			2	2						4
Argos	Argolis		1		1						2
Argostolion	Cephalonia		1	2							3
Argyropoulion	Larissa		1								1
Argyroupolis	Rethymnon		1								1
Arios	Messinia				1						1
Arisvi	Rodopi				1						1
Arkalochorion	Heraklion		1	1	1						3
Armenion	Larisa			2	1						3
Armaea	Chalkidike			1							1
Arphara	Messinia			1							1
Arriana	Rodopi				1						1
Artesianon	Karditsa				1						1
Artikion	Messinia				1						1
Asini	Argolis		1								1
Asklipion	Rhodes		1								1
Asomatoe	Rodopi				1						1
Asopia	Boeotia		2	1							3
Asopos	Laconia			1							1
Aspronerion	Evros				1						1
Assos	Corinthia				1	1					2
Astakos	Acamania			2	1						3
Astros	Arcadia		1	2							3
Astypalaea	Dodecanese		1								1
Atalanti	Phthiotis				2	1					3
Athamanion	Arta				1						1
Athens	Attica				4						4
Athikia	Corinthia					1					1
Avas	Evros					1					1
Avlonarion	Euboea		1	7							8
Avliotae	Corfou			1							1
Avlon	Attica		1	3							4
Avramion	Messinia			2							2

Localities	Provinces	Intensities on Mercalli-Sieberg Scale									
		II	III	IV	V	VI	VII	VIII	IX	X	Tot.
Florina	Florina			1							1
Gaitanion	Zante			2							2
Galatas	Chania			1	1						2
Galatsion	Attica			2							2
Galaxidion	Phokis			3							3
Galia	Heraklion		1	1							2
Garazon	Rethymnon			1	1						2
Gargalianoe	Messinia			4							4
Gastouni	Elis				1						1
Gastourion	Corfou			1							1
Gazoros	Serrae			1							1
Genisea	Xanthi		1	1							2
Georgitsion	Laconia			1							1
Gerakas	Xanthi			1							1
Gerakion	Laconia			1							1
Gengeri	Heraklion			1	1						2
Gianitsanika	Messinia			1							1
Glossa	Skopelos				1	1					2
Goniae	Heraklion		1	1							2
Gonnoe	Larisa		2								2
Goritsa	Laconia			1							1
Goumeron	Elis			1							1
Graekochorion	Thesprotia				1						1
Grammatikon	Attica			3							3
Gratini	Rodopi		1								1
Grevena	Grevena		1								1
Grizanon	Trikala			1							1
Gryllos	Elis					1					1
Gythion	Laconia			1							1
Hellinikon	Attica	1									1
Heraklion	Heraklion	1		2							2
Hilioupolis	Attica		1								1
Hydra	Hydra	2	1								3
Hymittos	Attica	1									1
Hypati	Phthiotis		2								2
Iasmos	Rodopi		1								1

Localities	Provinces	Intensities on Mercalli-Sieberg Scale									
		II	III	IV	V	VI	VII	VIII	IX	X	Tot.
Ierapetra	Lasithion		1		1						2
Ierax	Laconia			1							1
Ierisos	Chalkidike		1								1
Ippion	Lesbos			1							1
Ios	Cyclades		1	1							2
Itea	Phokis		1	2	1						4
Itea	Karditsa		1								1
Ithaca	Ithaca	1	1	1							3
Isthmia	Corinthia	1		2							3
Istiaea	Euboea			2	1						3
Jannina	Jannina			1							1
Kaenourghion	Aetolia			2							2
Kaesarieni	Attica	1									1
Kaiaphas	Elis			1							1
Kalamae	Elis			1							1
Kalamakion	Attica			1							1
Kalamauka	Lasithion			1							1
Kalamokastron	Rodopi			1							1
Kalamos	Attica	2		1							3
Kalavryta	Achaia			3							3
Kalchas	Rodopi			1							1
Kalidona	Elis	2		8	3						13
Kallimasia	Chios			1	1						2
Kallithea	Attica			1							1
Kallithea	Phokis	1		8							9
Kalloni	Lesbos				1						1
Kalymnos	Dodecanese			1							1
Kalythiae	Rhodes	1									1
Kalyvae	Chania			2							2
Kamarina	Preveza	1									1
Kanalia	Magnesia	1		1							2
Kandanos	Chania			1							1
Kandila	Arcadia				1						1
Kapandrition	Attica	1		1							2
Kapi	Lesbos			1							1
Kapsia	Arcadia			2							2
Karaeika	Achaia			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	Tot.
Kranaea	Preveza			1							1
Kranidion	Argolis			1							1
Kremmydion	Messinia					1					1
Krestena	Elis			1	3	1					5
Krini	Larisa		1								1
Kritsa	Lasithion	1									1
Krokeae	Laconia			1	2						3
Krounoe	Elis			1	1	1					3
Krouson	Heraklion			2							2
Krovylis	Rodopi			1							1
Krya-Vrysi	Trikala			1							1
Kryonerion	Corinthia			1							1
Kyani	Evros			1							1
Kyllini	Elis			1	1						2
Kymi	Euboea			2							2
Kynigos	Messinia					1					1
Kyparissia	Messinia		1	6							7
Kyprinos	Evros			1							1
Kypseli	Aeghina		1								1
Kyriakion	Boeotia			3							3
Kythera	Kythera		1								1
Ladikou	Phthiotis		2	1							3
Lagyna	Evros				1						1
Lakkopetra	Achaia	1									1
Lamia	Phthiotis		1	1							2
Lampia	Elis			1							1
Langada	Chios			1							1
Lanagadia	Arcadia			1							1
Larisa	Larisa		1	3							4
Laukos	Magnesia			1	1						2
Lavara	Evros				1						1
Lecani	Kavala		1								1
Lechaeon	Corinthia			1							1
Lechourion	Achaia		1	1							2
Lechovon	Florina				1						1
Leonidion	Arcadia			1							1
Leontarion	Boeotia			1							1
Letrinae	Elis		1	1	2						4
Leuka	Phthiotis		3		1						4

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	Tot.
Leukas	Leukas		2	1							3
Leukimmi	Evros			1							1
Leukimmi	Corfou			1							1
Leuktra	Boeotia	4		3							7
Levadia	Boeotia		3								3
Levidion	Arcadia		3	2							5
Lianokladion	Phthiotis		1	1							2
Lidorikion	Phokis		1	1							2
Ligourion	Argolis			1							1
Limnae	Lasithion			3							3
Limni	Euboea			1	1						2
Limni-Chersonisou	Heraklion			2							2
Limni-Vatheos	Samos			1							1
Liosia	Attica			1							1
Lithinae	Lasithion				1						1
Livadia	Rethymnon				2						2
Livadia	Rhodes		1								1
Livanatae	Phthiotis		1	1	1						3
Lixourion	Cephalonia			5							5
Longa	Messinia			1							1
Lopharion	Rodopi			1							1
Loukas	Arcadia			5							5
Louros	Preveza			1							1
Lousika	Achaia			1							1
Loutra-Aedipsou	Euboea			2	1						3
Loutrakion	Corinthia			1							1
Loutrakion	Skopelos						1				1
Loutron	Evros		1								1
Magoula	Karditsa		1								1
Makrakomi	Phthiotis		2								2
Makrissia	Elis			1	3	1					5
Makrychorion	Larisa		1	1							2
Makrykapa	Euboea			2							2
Malae	Lasithion		1	2	1						4
Maleme	Chania		1	1							2

Localities	Provinces	Intensities on Mercalli-Sieberg Scale									
		II	III	IV	V	VI	VII	VIII	IX	X	Tot.
Patras	Achaia	1	4	14	1						20
Pavlos	Boeotia			1							1
Pedinon	Kilkis			1							1
Pelasghia	Phthiotis			1	1						2
Pelopion	Elis				1						1
Pentalophos	Evros		1								1
Peplos	Evros				1						1
Perama	Attica		1	1							2
Perama	Jannina			1							1
Peratia	Acamania			1							1
Perdikakion	Aetolia	1		1							2
Perighialion	Corinthia			1							1
Perithorion	Achaia		1	1							2
Perivlepton	Magnesia			1							1
Perivolia	Skopelos			1		1					2
Perivolion	Corfou				1						1
Petalidion	Messinia			1							1
Petra	Lesbos				1						1
Petrota	Evros			1							1
Pharkadon	Trikala		1								1
Pharsala	Larisa		1								1
Pherrae	Evros				1						1
Philiatae	Thesprotia		1	2							3
Phlampouron	Florina			1							1
Phloriada	Acamania			2							2
Phoenikous	Messinia			2							2
Photolivos	Drama			1							1
Phourna	Evrytania			2							2
Phourni	Lasithion		1	3	2						6
Phyki	Trikala			1							1
Phylakion	Evros			1							1
Phylla	Euboea			1							1
Pialia	Trikala		1								1
Pighae	Arta			1							1
Pighi	Trikala			1							1
Piraeus	Attica			1							1
Piskokephalon	Lasithion		1	1							2
Pitsidia	Heraklion		2	1	1						4
Plaesion	Thesprotia			1							1

Localities	Provinces	Intensities on Mercalli-Sieberg Scale									
		II	III	IV	V	VI	VII	VIII	IX	X	Tot.
Plaghia	Lesbos			1							1
Plataeae	Boeotia		1		1						2
Platanos	Chania		1								1
Platanos	Elis			1							1
Platanos	Aetolia		2	2							4
Platanos	Magnesia			1							1
Platancoussa	Jannina				1						1
Platy	Messinia			2							2
Platykampos	Larisa		3								3
Podochorion	Kavala		1								1
Politika	Euboea			2							2
Polychmitos	Lesbos			1							1
Polydoson	Phokis		2								2
Polygyros	Chalkidike			1							1
Poros	Trizinia		1								1
Potamos	Kythera			1							1
Pramanta	Jannina			1							1
Prangion	Evros			1							1
Preveza	Freveza			1	1						2
Prodromon	Karditsa			1							1
Profitis-Elias	Heraklion			2							2
Promyrion	Magnesia				3						3
Proskynitae	Rodopi			1							1
Psachna	Euboea			3							3
Psarion	Messinia			1							1
Ptelea	Drama		1								1
Preleos	Magnesia			1	1						2
Ptori	Achaia				1						1
Pyli	Trikala				1						1
Pylos	Messinia		1	2							3
Pyrghion	Chios			1							1
Pyrgos	Heraklion		1								1
Pyrgos	Messinia					1					1
Pyrgetos	Larisa			1							1
Pythion	Evros				1						1
Rachae	Phthiotis				1						1
Ramia	Arta			1							1
Raptopoulon	Evrytania		1	1							2

Localities	Provinces	Intensities on Mercalli-Sieberg Scale									
		II	III	IV	V	VI	VII	VIII	IX	X	Tot
Rapsani	Larisa			1							1
Raxa	Trikala			1							1
Reginion	Phthiotis			2	1						3
Rentina	Karditsa		1								1
Rethymnon	Rethymnon			2							2
Rhodes	Rhodes		3								3
Richia	Laconia			1							1
Riganion	Aetolia		1		1						2
Riglades	Corfou			1							1
Rizae	Arcadia			4							4
Rizomylos	Larisa			1							1
Roditsa	Phthiotis			1							1
Rododaphni	Achaia	1	1								2
Roviae	Euboea				2						2
Ryzia	Evros			1							1
Saghiada	Thresprotia			1							1
Salmoni	Elis				1						1
Salonica	Salonica		1								1
Salpi	Rodopi			1							1
Sami	Cephalonia	1	1	2							4
Samothraki	Samothraki			1							1
Sapae	Rodopi			1							1
Sardinia	Aetolia		1								1
Savalia	Elis		1								1
Sellasia	Laconia			1							1
Sesklon	Magnesia			3							3
Sidororachi	Kavala		1								1
Sinarades	Corfou			1							1
Sitia	Lasithion		1	1							2
Skala	Cephalonia			2							2
Skala	Laconia			1							1
Skala	Messinia		2								2
Skalochorion	Lesbos			1							1
Skiadas	Achaia		1	1							2
Skiathos	Skiathos			1	3	1					5
Skopelos	Skopelos	5	1	28	7	2	1				34
Skopelos	Lesbos			1							1
Skoulikadon	Zante		1	5							6
Skoura	Laconia			1							1

Localities	Provinces	Intensities on Mercalli-Sieberg Scale									
		II	III	IV	V	VI	VII	VIII	IX	X	Tot
Skyros	Skyros			1							1
Sophades	Karditsa		1	1							2
Souda	Chania		1		1						2
Souphlion	Evros			1	1						2
Sourpi	Magnesia			1							1
Sparti	Laconia			1							1
Spilion	Rethymnon			2	1						3
Spolaita	Aetolia		1								1
Stadion	Arcadia		1	1	1						3
Stamata	Attica			2							2
Stamna	Aetolia		1								1
St.-Anargyroe	Attica			1							1
St.-Anatgyroe	Larisa		1	1							2
St.-Andreas	Aetolia			1							1
St.-Andreas	Arcadia			1							1
St.-Andrianos	Argolis			1							1
St.-Athanasios	Drama	1									1
St.-Demetrius	Eocotia			2							2
St.-Demetrius	Attica				1						1
St.-Demetrius	Laconia			1							1
St.-Eustratios	St.-Eustra- tios		1	3							4
St.-Georges	Lasithion			1							1
St.-George- Rion	Achaia			3	1						4
St.-George- Baxedes	Magnesia		1	1							2
St.-George- Niliias	Magnesia			2							2
St.-Ioannis	Laconia			1							1
St.-Ioannis- Rentis	Attica				2						2
St.-Isidoros	Rhodes		1								1
St.-Konstan- tinos	Phthiotis		1	2	1						4
St.-Lavrentios	Magnesia			1	1						2
St.-Loukas	Euboea			4							4
St.-Myron	Heraklion			1							1
St.-Nikolaos	Lasithion		2	1							3
St.-Nikolaos	Arcadia			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	Tot.
St. Petros	Leukas			1							1
St.-Petros	Lasithion			1							1
St.-Petros	Arcadia			1							1
St.-Pnevma	Serrae			1							1
St.-Spyridon	Arta		1								1
St.-Stephanos	Attica			1							1
St.-Theodoroe	Corinthia		1	1							2
St.-Vlasios	Boeotia		1								1
St.-Vlasios	Magnesia			3							3
Ste.-Anna	Euboea			8	2	1					11
Ste.-Paraskevi	Lesbos			2							2
Ste.-Paraskevi	Arta		1								1
Ste.-Paraskevi	Attica		1	1							2
Ste.-Varvara	Heraklion			2							2
Steni-Dirphios	Euboea			1							1
Stephanovikion	Magnesia			2	1						3
Stimanga	Corinthia				1						1
Stramona	Aetolia				1						1
Strephion	Elis			2	2						4
Stropones	Euboea			1							1
Stylis	Phthiotis		1	2							3
Stypsi	Lesbos				1						1
Sykea	Larisa			1							1
Sykorachi	Evros			1							1
Sykourion	Larisa				2						2
Symi	Dodecanese			1							1
Syvota	Thesprotia			1							1
Tavros	Attica		1								1
Taxiarchae	Euboea			1							1
Taxiarchae	Trikala			1							1
Temeni	Achaia		1		1						2
Terovon	Jannina			1							1
Tetrakomon	Arta			1							1
Thasos	Thasos			1							1
Thebes	Boeotia		1	8							9
Thespieae	Boeotia		1	3	2						6
Thisvi	Boeotia		2	1	1						4
Tholon	Kavala		1								1
Tholopotamion	Chios		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	Tot.
Thouria	Messinia			1							1
Thourion	Evros			1							1
Thrasanon	Heraklion				2						2
Thyrion	Acamania		1	1							2
Timavos	Larisa		1	2							3
Tithorea	Phthiotis			3							3
Traganon	Elis			1	1						2
Trikala	Trikala		1								1
Trikerion	Magnesia			1	2						3
Tycheron	Evros		1	1							2
Tylisos	Heraklion			1	1						2
Tympakion	Heraklion		1	1							2
Tzermiaddon	Lasithion			4							4
Vaghia	Boeotia		1	1	2						4
Vamos	Chania			1							1
Vamvakou	Larisa			2							2
Valimitika	Achaia		1								1
Valtesinikon	Arcadia					1					1
Vartholomion	Elis			1	1						2
Vasilika	Corfou			1							1
Vasilika	Lesbos			1							1
Vasilika	Euboea				1						1
Vasilika	Salonica			1							1
Vasilitsion	Messinia				1						1
Vatolakkos	Chania		1	1							2
Vatousa	Lesbos			1							1
Veletinon	Magnesia		1	1							2
Velon	Corinthia			3							3
Vilia	Attica		1	1							2
Visovan	Elis					1					1
Vlachata	Cephalonia			1							1
Vlachiotis	Laconia			1							1
Vlachokerasea	Arcadia				1						1
Vlachopoulon	Messinia				1						1
Vogatsikon	Kastoria			1							1
Volimae	Zante			1	1						2
Volos	Magnesia			4							4
Votsi	Skopelos				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	Tot.
Voukoliae	Chania			2							2
Voula	Attica	1									1
Vouliagmeni	Attica	1	1								2
Vounargos	Elis			2	1						3
Vouprasion	Elis				1	1					2
Vourliotae	Samos		1								1
Vrachasion	Lasithion		1	1							2
Vrachation	Corinthia		1	1							2
Vrachnaeika	Achaia			1							1
Vrina	Elis			2	1	1					4
Vrisa	Lesbos			1							1
Vrysi	Euboea		1	10							11
Vytina	Arcadia			2							2
Xanthi	Rodopi		1	1							2
Xinon-Neron	Florina			1							1
Xirokampion	Laconia			1							1
Xylagani	Rodopi		1								1
Xylokastron	Corinthia		1	1	1						3
Zacharo	Elis		3	6							9
Zagora	Magnesia			1	1						2
Zakros	Lasithion		1	2							3
Zante	Zante			5							5
Zarkos	Trikala			1							1
Zaros	Heraklion	1									1
Zelion	Phthiotis			2							2
Zevgolation	Messinia	1		1							2
Ziros	Lasithion			1							1
Zitsa	Jannina				1						1
Zoni	Evros		1	1							2
		67	354	936	193	21	6				1577



