

Bulletin of the seismological station

KØBENHAVN

$\varphi = 55^{\circ}41'N.$ $\lambda = 12^{\circ}26'E.$ $h = 13$ m.

Lithologic foundation: chalk

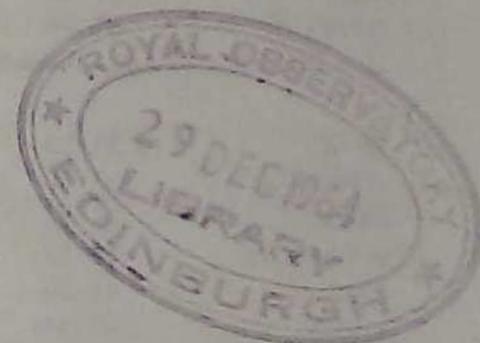
Instruments

Galitzin-Wilip. *N, E, and Z.* $T_p = T_g = 12\frac{1}{2}$ sec., $\mu^2 = 0$, $\frac{Ak}{\pi l} = 260$ sec.⁻¹ or $V_{\max} = \text{abt. } 1000$.

Benioff. *Z.* $T_p = 1$ sec, $T_g = \frac{1}{4}$ sec, $V_{\max} = \text{abt. } 30\,000$.

Wiechert 1000 kg. *N and E.* $T = 8\frac{1}{2}$ sec, $\nu = 6:1$, $\rho = 0.3$ mm, $V_0 = 210$.

Wiechert 1300 kg. *Z.* $T = 6$ sec, $\nu = 4:1$, $\rho = 0.3$ mm, $V_0 = 150$.



Seismological Readings

Phases are indicated by the symbols used in ISS. Times are given in GMT. Positions of epicenters are most often those given by BCIS or USCGS. The periods given are periods of full oscillations. The amplitudes are single amplitudes of the ground in microns. + indicates ground motion towards the north, towards the east, or upwards. - indicates the opposite direction. C means compression and D dilatation. Unless otherwise stated, the periods and amplitudes are due to readings on the Galitzin instruments. Magnitudes have been computed from the following formulas:

$$M = 1.6 \left(3.9 + \log \left(\frac{A}{T} \right)_{PZ} + \frac{\Delta}{200} \right), \quad 20^{\circ} < \Delta < 90^{\circ}.$$

$$M = 2.1 + \log A_H^{20} + 1.66 \cdot \log \Delta, \quad 15^{\circ} < \Delta < 130^{\circ}$$

København 1961



January.

2	<i>iPKP·Z'Z</i>	10 ^h 30 ^m 59 ^s	C
	<i>iPKS·Z'Z</i>	34 20	
	<i>eSKSP·N</i>	43.0	
	<i>eL·N</i>	11 (14)	
$\Delta = 132^\circ$. $h = 161$ km. Santa Cruz Islands. $H = 10 11 56.9$.			
5	<i>iP·Z'</i>	14 17 57	C
	<i>e(PS)·NE</i>	27 41	Wiechert.
	<i>e(PPS)·E</i>	28 16	-
	<i>e(SS)·E</i>	32 23	-
	<i>eL·NE</i>	42	-
$\Delta = 73^\circ$. $h = 37$ km. Andreevof Islands. $H = 14 06 25.9$.			
5	<i>eiPKP·Z'</i>	18 17 14	
	<i>ePP·N</i>	20 25	Wiechert
	<i>eL·NE</i>	19 10	-
$\Delta = 142^\circ$. $h = 123$ km. Loyalty Islands. $H = 17 57 56.6$.			
5	<i>eiPKP·Z'</i>	18 34 00	
$\Delta = 141^\circ$. $h = 124$ km. Loyalty Islands. $H = 18 14 43$.			
7	<i>eiP·Z'</i>	10 35 43	
$\Delta = 22^\circ$. $h = 127$ km. Crete. $H = 10 30 58.0$.			
7	<i>iP·Z'</i>	15 57 16	
	<i>e·Z</i>	16 02 28	
	<i>e·Z</i>	04 19	
	<i>e(PcS)·N</i>	05 21	
	<i>e·Z</i>	05 49	
	<i>e(ScS)·N</i>	08 50	
$\Delta = 19^\circ$. $h = 22$ km. Ionian Islands. $H = 15 52 54.0$.			
10	<i>iP·Z'</i>	14 33 32	
	<i>e(PPP)·Z</i>	37 53	
	<i>eS·N</i>	42 34	
	<i>e(SKS)·NE</i>	43 32	
	<i>e·N</i>	48 09	
	<i>e·Z</i>	50 (45)	
	<i>e·Z</i>	51 29	
	<i>eR·N</i>	57.8	
	<i>eR·E</i>	15 01.5	
	<i>M·ZN</i>	08.0	$N: 50\mu$.
	<i>M·E</i>	08.5	52μ .
	<i>F·N</i>	59	
$\Delta = 70^\circ$. $h = 29$ km. Kurile Islands. $H = 14 22 18.2$.			
$M(L) = 7.0$ (COP).			
11	<i>iP·Z</i>	12 11 23	
	<i>e(S)·N</i>	21 00	
	<i>e(PS)·ZN</i>	21 29	
	<i>e(PPS)·N</i>	21 45	
	<i>e·Z</i>	44 53	
$\Delta = 73^\circ$. $h = 47$ km. Fox Islands. $H = 11 59 55.0$.			
14	<i>iP·Z'</i>	16 50 13	Confused by microseisms.
$\Delta = 71^\circ$. $h = 41$ km. Unimak Island.			

January.

16	<i>iP·Z'</i>	07 ^h 32 ^m 13 ^s	
	<i>iP·Z</i>	32 14	C
	<i>iPcP·Z</i>	32 21	
	<i>i(sP)·Z</i>	33 00	
	<i>i(PP)·E</i>	35 09	
	<i>ePPP·Z</i>	37 03	
	<i>e(S)·E</i>	42 08	
	<i>iScS·N</i>	42 13	
	<i>ipS·N</i>	42 31	
	<i>i(SP)·E</i>	42 47	
	<i>e(SPP)·E</i>	43 04	
	<i>i(sPS)·E</i>	43 31	
	<i>e(SS)·N</i>	47 15	
	<i>isSS·Z</i>	47 33	
	<i>e(SSS)·N</i>	51 04	
	<i>e·Z</i>	51 57	
	<i>e·Z</i>	52 18	
	<i>e(Q)·Z</i>	55.1	
	<i>e·Z</i>	56.9	
	<i>e(R)·N</i>	57.7	
	<i>e·Z</i>	58.4	
	<i>i·Z</i>	08 01 30	
	<i>e(SKPP)·Z</i>	02 33	
	<i>e·ZN</i>	03 25	
	<i>e·Z</i>	03 56	
	<i>e(R)·Z</i>	05.2	
	<i>M·E</i>	10	$E: 9^s, 105\mu$.
	<i>M·ZN</i>	11	$N: 9^s, 66\mu$.
$\Delta = 79^\circ$. $h = 131$ km. Honshu. $H = 07 20 18.6$.			
$M(L) = 7.2$ (COP).			
16	<i>eiP·Z'</i>	11 31 39	
	<i>i(PcP)·Z'</i>	31 50 ¹ / ₂	
	<i>i·Z'</i>	31 52 ¹ / ₂	
	<i>i·Z'</i>	32 00	
	<i>e·N</i>	32 59	
	<i>ePP·N</i>	34 33	
	<i>ePPP·Z</i>	36 11	
	<i>e·N</i>	36 57	
	<i>e(S)·N</i>	40 15	
	<i>e(SP)·N</i>	42 04	
	<i>e(sSP)·N</i>	42 43	
	<i>e(SS)·N</i>	45 59	
	<i>e·N</i>	46 23	
	<i>e·N</i>	55.7	
	<i>e(R)·N</i>	56.5	
	<i>e·N</i>	12 00.1	
	<i>e·E</i>	03.0	
	<i>e·Z</i>	04.3	
	<i>e·N</i>	07.9	
	<i>e·Z</i>	08.3	
	<i>e·E</i>	08.9	16 ^s .
	<i>e·N</i>	10.1	16 ^s .
	<i>e·Z</i>	20.3	
$\Delta = 78^\circ$. $h = 157$ km. Honshu. $H = 11 19 46.5$.			

January.

16	<i>iP·Z'</i>	12 ^h 24 ^m 29 ^s	C
	<i>i!·Z'</i>	24 32	
	<i>iPcP·Z</i>	24 39	
	<i>i·Z'</i>	24 44	
	<i>e·Z</i>	26 30	
	<i>eiPP·Z</i>	27 30	
	<i>i·Z</i>	27 40	
	<i>eiPPP·Z</i>	29 20	
	<i>e(S)·NE</i>	34 28	
	<i>isS·E</i>	34 46	
	<i>e·Z</i>	40 02	
	<i>ei·Z</i>	41 15	
	<i>e·Z</i>	42 50	
	<i>e·Z</i>	44.7	
	<i>e·N</i>	46.7	
	<i>e·Z</i>	47.4	
	<i>e·N</i>	52.6	
	<i>i(Lg)·N</i>	55 46	
	<i>M·E</i>	13 02	$17^s, 85\mu$.
	<i>M·N</i>	05 ¹ / ₂	$17^s, 81\mu$.
$\Delta = 78^\circ$. $h = 105$ km. Honshu. $H = 12 12 35$.			
$M(L) = 7.0$ (COP)			
16	<i>eiP·Z'</i>	14 15 58	
	<i>e(S)·E</i>	25 19	
	<i>epS·E</i>	26 09	
	<i>eL·NE</i>	(46)	
$\Delta = 78^\circ$. $h = 127$ km. Honshu. $H = 14 04 05.3$.			
16	<i>iP·Z'</i>	15 53 12	C
	<i>i(PcP)·Z'</i>	53 24	
	<i>i·Z'Z</i>	53 27	
	<i>i·Z'</i>	53 32 ¹ / ₂	
	<i>i·E</i>	53 41	
	<i>i·Z'</i>	54 13 ¹ / ₄	
	<i>e·Z</i>	55 05	
	<i>ePP·Z</i>	56 12	
	<i>e(pPP)·Z</i>	56 23	
	<i>e(PPP)·Z</i>	58 (02)	
	<i>ipPPP·Z</i>	58 13 ¹ / ₂	
	<i>e·Z</i>	16 01 (00)	
	<i>e(S)·N</i>	03 08	
	<i>i!pS·NE</i>	03 28 ¹ / ₂	
	<i>esSS·E</i>	08 23 ¹ / ₂	
	<i>e·Z</i>	09 40	
	<i>e·E</i>	10 13	
	<i>e·Z</i>	13.5	
	<i>e(R)·E</i>	16.6	
	<i>e·E</i>	16.8	
	<i>eL·N</i>	21	
	<i>eL·ZE</i>	30	
$\Delta = 78^\circ$. $h = 147$ km. Honshu. $H = 15 41 23.3$.			
19	<i>eL·ZNE</i>	18 01	
	<i>M·ZNE</i>	08	$18^s, NE: 3\frac{1}{2}\mu$.
$\Delta = 71^\circ$. $h = 31$ km. Kurile Islands. $H = 17 22 16.9$.			

January.

20	<i>iP·Z'</i>	17 ^h 20 ^m 10 ^s	D
	<i>i·Z'</i>	20 17 ¹ / ₂	
	<i>eS·NE</i>	29 10	
	<i>e(SKS)·N</i>	30 12	
	<i>eSS·NE</i>	33 (40)	
	<i>eR·ZN</i>	46	
	<i>M·ZN</i>	57	$19^s, N: 6\mu, E: 4\mu$.
$\Delta = 68^\circ$. $h = 46$ km. Kodiak Island. $H = 17 09 15.7$.			
22	<i>eiPKP·ZZ'</i>	03 43 26	
	<i>e·Z'</i>	45 27	
	<i>ePP·Z</i>	45 40	
	<i>e·Z</i>	46 27	
	<i>i(PKS)·NE</i>	46 55	
	<i>e·Z</i>	47 28	
	<i>i·NE</i>	47 39 ¹ / ₂	
	<i>i·Z</i>	47 48	
	<i>ePPP·NE</i>	48 29	
	<i>e·E</i>	49 31	
	<i>iSKS·NE</i>	50 22	
	<i>e·N</i>	55	
	<i>e·N</i>	04 07 ¹ / ₂	
	<i>eR·N</i>	29	
	<i>M·ZN</i>	45	$20^s, N: 32\mu, E: 25\mu$.
	<i>F·N</i>	06 22	
$\Delta = 132^\circ$. $h = 25$ km. Santa Cruz Islands. $H = 03 24 04.5$.			
$M(L) = 7.1$ (COP).			
23	<i>eL·E</i>	05 33	
$\Delta = 74^\circ$. Hokkaido. $H = 04 48 21.4$.			
26	<i>ePKP·Z</i>	16 32 (36)	
	<i>e·E</i>	35 07	
	<i>ePP·Z</i>	35 53	
	<i>eL·N</i>	17 (31)	
$\Delta = 142^\circ$. $h = 119$ km. Loyalty Islands. $H = 16 13 25.1$.			
26	<i>eiPKP·Z'</i>	19 08 12	
	<i>i·Z'</i>	08 20	
$\Delta = 141^\circ$. $h = 106$ km. Loyalty Islands. $H = 18 48 56.9$.			
31	<i>eiP·Z'</i>	00 59 (35)	Confused by microseisms.
	<i>eS·N</i>	01 08 (46)	
	<i>eSS·N</i>	13 (17)	
	<i>L·E</i>	(26)	
$\Delta = 68^\circ$. $h = 26$ km. Kodiak Island. $H = 00 48 36.5$.			
February.			
4	<i>iP·Z'</i>	09 02 21	
	<i>i!pP·Z'</i>	02 55	
$(\Delta = 66^\circ, h = 162$ km.) Burma. $H = 08 51 48.9$.			
4	<i>eP·Z'</i>	19 21 31	
	<i>e·N</i>	30 08	
	<i>e(S)·E</i>	31 50	
	<i>L·NE</i>	52	
$\Delta = 81^\circ$. $h = 14$ km. Formosa. $H = 19 09 12.9$.			

February.		February.	
5 <i>eP</i> · <i>Z</i>	15 ^h 51 ^m 14 ^s	12 <i>i(pPP)</i> · <i>Z'</i>	22 ^h 08 ^m 15 ^s (Con.)
<i>iP</i> · <i>Z'</i>	51 14 ¹ / ₂	<i>e(PPP)</i> · <i>Z'</i>	10 18
<i>eS</i> · <i>E</i>	16 02 (03)	<i>e</i> · <i>N</i>	10 55
$\Delta = 86^\circ$, $h = 49$ km. Panama. $H = 15$ 38 34.0.		<i>e</i> · <i>Z</i>	14 (30)
5 <i>eL</i> · <i>N</i>	19 04	<i>eS</i> · <i>N</i>	14 43
$\Delta = 110^\circ$. Indian Ocean. $H = 17$ 50 55.6.		<i>e(pS)</i> · <i>N</i>	15 05
6 <i>eL</i> · <i>ZNE</i>	13 01	<i>e(PS)</i> · <i>N</i>	15 40
$\Delta = 73^\circ$. Andeanof Islands. $H = 12$ 12 26.0.		<i>eSS</i> · <i>Z</i>	19 (42)
6 <i>eL</i> · <i>ZNE</i>	19 01	<i>eSSS</i> · <i>Z</i>	23
$\Delta = 73^\circ$. Kurile Islands. $H = 18$ 15 21.6.		<i>eL</i> · <i>Z</i>	38
6 <i>ePKP</i> · <i>Z</i>	22 04 03	<i>M</i> · <i>ZNE</i>	42 17 ^s , $Z: 150 \mu$, $N: 135 \mu$, $E: 130 \mu$.
<i>ePP</i> · <i>N</i>	05 48	$\Delta = 74^\circ$, $h = 45$ km. Kurile Islands. $H = 21$ 53 43.5.	
<i>e</i> · <i>N</i>	07 (15)	$M(L) = 7.0$ (COP).	
<i>ePKS</i> · <i>E</i>	07 40	12 <i>Z'</i>	23 03 06 Onset lost in time mark.
<i>e</i> · <i>Z</i>	21 41 ¹ / ₂	<i>iPcP</i> · <i>Z'</i>	03 20
<i>eSS</i> · <i>NE</i>	22.3	$\Delta = 74^\circ$, $h = 17$ km. Kurile Islands. $H = 22$ 51 27.7.	
<i>e</i> · <i>E</i>	25.8	12 <i>iP</i> · <i>Z'</i>	23 24 40
<i>e</i> · <i>Z</i>	35.7	<i>e</i> · <i>N</i>	35 32
<i>e(Q)</i> · <i>N</i>	40	Kurile Islands aftershock. $H = 23$ 14.1.	
$\Delta = 123^\circ$, $h = 59$ km. Solomon Islands. $H = 21$ 45 13.5.		12 <i>eiP</i> · <i>Z'</i>	23 38 08 ¹ / ₂
7 <i>iP</i> · <i>Z'</i>	21 13 11 ¹ / ₂ <i>D</i> , $Z': \frac{1}{2}\mu, \frac{1}{4}\mu$.	<i>i</i> · <i>Z'</i>	38 12 0.4 ^s , 0.8 μ .
$\Delta = 74^\circ$, $h = 36$ km. Kurile Islands. $H = 21$ 01 37.3.		<i>iPcP</i> · <i>Z'</i>	38 26
8 <i>iPKP</i> · <i>Z'</i>	18 09 21 <i>D</i> , $Z': \frac{1}{2}\mu, \frac{1}{4}\mu$.	$\Delta = 74^\circ$, $h = 23$ km. Kurile Islands. $H = 23$ 26 34.5.	
<i>iSKP</i> · <i>Z'</i>	12 13	13 <i>eP</i> · <i>Z'</i>	00 43 29
$\Delta = 144^\circ$, $h = 543$ km. Tonga Islands. $H = 17$ 50 45.2.		$\Delta = 74^\circ$, $h = 25$ km. Kurile Islands. $H = 00$ 31 51.1.	
9 <i>ePKP</i> · <i>Z</i>	02 28 03	13 <i>i(P)</i> · <i>Z'</i>	01 39 28
<i>iPKP</i> · <i>Z'</i>	28 09 <i>C</i>	Kurile Islands aftershock?	
<i>i</i> · <i>Z'</i>	28 12 ¹ / ₂ $\frac{1}{2}\mu, 0.8 \mu$.	13 <i>iP</i> · <i>Z'</i>	02 41 39 ¹ / ₂
<i>iPKP2</i> · <i>Z'</i>	28 17 ¹ / ₂	$\Delta = 74^\circ$, $h = 18$ km. Kurile Islands. $H = 02$ 30 01.7.	
<i>i(pPKP2)</i> · <i>Z'</i>	28 36	13 <i>iP</i> · <i>Z'</i>	02 42 51
<i>i(sPKP2)</i> · <i>N</i>	28 51	$\Delta = 74^\circ$, $h = 60$ km. Kurile Islands. $H = 02$ 31 19.4.	
<i>ePKS</i> · <i>Z</i>	31 (38)	13 <i>iP</i> · <i>Z'</i>	04 54 58 ¹ / ₂
<i>e(PP)</i> · <i>Z</i>	31 57	$\Delta = 74^\circ$, $h = 46$ km. Kurile Islands. $H = 04$ 43 24.6.	
<i>L</i> · <i>N</i>	03 23	13 <i>eL</i> · <i>ZNE</i>	07 53
$\Delta = 152^\circ$, $h = 37$ km. Kermadec Islands. $H = 02$ 08 15.9.		$\Delta = 141^\circ$. Tonga Islands. $H = 06$ 45 25.0.	
11 <i>iP</i> · <i>Z'</i>	06 24 19 <i>C</i> , $Z': \frac{1}{2}\mu, \frac{1}{4}\mu$.	13 <i>iP</i> · <i>Z'</i>	09 18 33 <i>D</i>
$\Delta = 84^\circ$, $h = 358$ km. Bonin Islands. $H = 06$ 12 23.2.		$\Delta = 74^\circ$, $h = 25$ km. Kurile Islands. $H = 09$ 06 55.9.	
11 <i>eiPKP</i> · <i>Z'</i>	21 20 52 1 ^s , $\frac{1}{4}\mu$.	13 <i>iP</i> · <i>Z</i>	16 38 58 <i>C</i>
<i>i(PKP2)</i> · <i>Z'</i>	21 00 -, $\frac{1}{2}\mu, 1 \mu$.	<i>eL</i> · <i>E</i>	17 08
<i>i(pPKP)</i> · <i>ZZ'</i>	21 09	$\Delta = 75^\circ$, $h = 25$ km. Kurile Islands. $H = 16$ 27 20.9.	
<i>isPKP</i> · <i>Z'</i>	21 17	14 <i>iP</i> · <i>Z'</i>	00 27 10 ¹ / ₂ <i>D</i>
<i>eL</i> · <i>ZN</i>	22 17	$\Delta = 74^\circ$, $h = 92$ km. Kurile Islands. $H = 00$ 15 40.6.	
$\Delta = 152^\circ$, $h = 41$ km. Kermadec Islands. $H = 21$ 01 06.4.		14 <i>iP</i> · <i>Z'</i>	03 02 41
12 <i>iP</i> · <i>ZZ'</i>	22 05 17 <i>Z: C</i>	$\Delta = 74^\circ$, $h = 98$ km. Kurile Islands. $H = 02$ 51 15.3.	
<i>iAZ'</i>	05 18 $\frac{1}{2}\mu, 1\frac{3}{4}\mu$.		
<i>i(pP)</i> · <i>Z'</i>	05 30		
<i>i(PcP)</i> · <i>Z</i>	05 38		
<i>i(PP)</i> · <i>Z'</i>	07 59		

February.		February.		February.	
14 <i>iP</i> · <i>Z'</i>	03 ^h 27 ^m 02 ¹ / ₂ ^s	14 <i>iP</i> · <i>Z'</i>	03 ^h 27 ^m 02 ¹ / ₂ ^s	24 <i>iP</i> · <i>Z'</i>	03 ^h 16 ^m 20 ^s <i>C</i> . Confused by microseisms.
$\Delta = 74^\circ$, $h = 25$ km. Kurile Islands. $H = 03$ 15 25.0.		$\Delta = 74^\circ$, $h = 25$ km. Kurile Islands. $H = 03$ 15 25.0.		$\Delta = 80^\circ$, $h = 50$ km. Ryukyu Islands. $H = 03$ 04 16.1.	
14 <i>iP</i> · <i>Z'</i>	03 33 37 <i>C</i>	14 <i>iP</i> · <i>Z'</i>	03 33 37 <i>C</i>	26 <i>eL</i> · <i>ZNE</i>	07 10
<i>iPcP</i> · <i>Z'</i>	33 56	<i>i</i> · <i>Z'</i>	34 10	$\Delta = 135^\circ$. Easter Island. $H = 05$ 48 46.3.	
<i>i</i> · <i>Z'</i>	34 10	<i>eL</i> · <i>E</i>	04 01	26 <i>iP</i> · <i>ZZ'</i>	18 22 48 ¹ / ₂ <i>C</i> from northeast.
$\Delta = 74^\circ$, $h = 20$ km. Kurile Islands. $H = 03$ 22 00.7.		$\Delta = 74^\circ$, $h = 20$ km. Kurile Islands. $H = 03$ 22 00.7.		<i>iPcP</i> · <i>Z'</i>	22 50 ¹ / ₂
15 <i>eiP</i> · <i>Z'</i>	10 56 48	15 <i>eiP</i> · <i>Z'</i>	10 56 48	<i>i(pP)</i> · <i>Z'</i>	23 02
<i>eS</i> · <i>N</i>	11 06 (15)	<i>eS</i> · <i>N</i>	11 06 (15)	<i>iPP</i> · <i>Z</i>	25 54
<i>e(SSS)</i> · <i>Z</i>	14	<i>e(SSS)</i> · <i>Z</i>	14	<i>ePPP</i> · <i>Z</i>	27 37
<i>eL</i> · <i>E</i>	23	<i>eL</i> · <i>E</i>	23	<i>ePPPP</i> · <i>Z</i>	28 53
<i>M</i> · <i>ZNE</i>	33 <i>Z: 17^s, 28 μ.</i>	<i>M</i> · <i>ZNE</i>	33 <i>Z: 17^s, 28 μ.</i>	<i>i</i> · <i>Z</i>	29 15
$\Delta = 74^\circ$, $h = 69$ km. Kurile Islands. $H = 10$ 45 15.9.		$\Delta = 74^\circ$, $h = 69$ km. Kurile Islands. $H = 10$ 45 15.9.		<i>iS</i> · <i>E</i>	32 46
15 <i>eiP</i> · <i>Z'</i>	11 38 25	15 <i>eiP</i> · <i>Z'</i>	11 38 25	<i>ePS</i> · <i>Z</i>	33 20
$\Delta = 55^\circ$, $h = 66$ km. Tibet. $H = 11$ 28 55.0.		$\Delta = 55^\circ$, $h = 66$ km. Tibet. $H = 11$ 28 55.0.		<i>i</i> · <i>N</i>	33 32
16 <i>eL</i> · <i>ZNE</i>	03 54	16 <i>eL</i> · <i>ZNE</i>	03 54	<i>i</i> · <i>N</i>	33 47
$\Delta = 15^\circ$. Albania. $H = 03$ 44 58.8.		$\Delta = 15^\circ$. Albania. $H = 03$ 44 58.8.		<i>eSS</i> · <i>Z</i>	37 48
16 <i>iP</i> · <i>Z'</i>	14 06 25 <i>C</i>	16 <i>iP</i> · <i>Z'</i>	14 06 25 <i>C</i>	<i>i</i> · <i>N</i>	38 12
<i>eL</i> · <i>E</i>	33	<i>eL</i> · <i>E</i>	33	<i>e</i> · <i>E</i>	38 50
$\Delta = 75^\circ$, $h = 71$ km. Kurile Islands. $H = 13$ 54 53.7.		$\Delta = 75^\circ$, $h = 71$ km. Kurile Islands. $H = 13$ 54 53.7.		<i>i(SSS)</i> · <i>N</i>	41 23
16 <i>iP</i> · <i>Z'</i>	15 06 00 ¹ / ₂ <i>C</i>	16 <i>iP</i> · <i>Z'</i>	15 06 00 ¹ / ₂ <i>C</i>	<i>e</i> · <i>E</i>	41 43
$\Delta = 74^\circ$, $h = 50$ km. Kurile Islands. $H = 14$ 54 27.7.		$\Delta = 74^\circ$, $h = 50$ km. Kurile Islands. $H = 14$ 54 27.7.		<i>e</i> · <i>Z</i>	42.0
18 <i>eL</i> · <i>NE</i>	17 35	18 <i>eL</i> · <i>NE</i>	17 35	<i>eR</i> · <i>Z</i>	46
$\Delta = 61^\circ$. Atlantic Ocean. $H = 17$ 02 10.0.		$\Delta = 61^\circ$. Atlantic Ocean. $H = 17$ 02 10.0.		<i>M</i> · <i>ZNE</i>	19 00 ¹ / ₂ 20 ^s , $ZE: (380 \mu)$, $N: 290 \mu$.
21 <i>iP</i> · <i>Z'</i>	03 06 33 ¹ / ₂ <i>C</i>	21 <i>iP</i> · <i>Z'</i>	03 06 33 ¹ / ₂ <i>C</i>	$\Delta = 78^\circ$, $h = 54$ km. Kyushu. $H = 18$ 10 48.7.	
<i>iPP</i> · <i>Z'</i>	06 50	<i>iPP</i> · <i>Z'</i>	06 50	$M(L) = 7.8 - 7.9$ (COP).	
$\Delta = 20^\circ$, $h = 25$ km. Greece. 03 01 52.6.		$\Delta = 20^\circ$, $h = 25$ km. Greece. 03 01 52.6.		27 <i>eL</i> · <i>N</i>	21 53
22 <i>iPKP</i> · <i>Z'</i>	22 13 25 <i>D</i>	22 <i>iPKP</i> · <i>Z'</i>	22 13 25 <i>D</i>	$\Delta = 21^\circ$. Dodecanese Islands. $H = 21$ 40 02.6.	
<i>eL</i> · <i>N</i>	23 11	<i>eL</i> · <i>N</i>	23 11	27 <i>eL</i> · <i>E</i>	22 07
$\Delta = 152^\circ$, $h = 66$ km. Kermadec Islands. $H = 21$ 53 33.8.		$\Delta = 152^\circ$, $h = 66$ km. Kermadec Islands. $H = 21$ 53 33.8.		$\Delta = 21^\circ$. Dodecanese Islands. $H = 21$ 54 33.6.	
23 <i>eiP</i> · <i>Z'</i>	04 28 12	23 <i>eiP</i> · <i>Z'</i>	04 28 12	28 <i>iP</i> · <i>Z'</i>	12 45 01 <i>D</i>
<i>i(PcP)</i> · <i>Z'</i>	28 28	<i>i(PcP)</i> · <i>Z'</i>	28 28	<i>e</i> · <i>Z</i>	55 (51)
<i>i(pP)</i> · <i>Z'</i>	28 44	<i>i(pP)</i> · <i>Z'</i>	28 44	$\Delta = 72^\circ$, $h = 29$ km. Kurile Islands. $H = 12$ 33 32.1.	
<i>eS</i> · <i>E</i>	38 03	<i>eS</i> · <i>E</i>	38 03	March.	
<i>eL</i> · <i>N</i>	52	<i>eL</i> · <i>N</i>	52	7 <i>eiPKP</i> · <i>Z'Z</i>	10 30 25 <i>D</i> $Z: 7-8^s, 24 \mu$.
<i>eL</i> · <i>N</i>	57	<i>eL</i> · <i>N</i>	57	<i>i</i> · <i>Z'</i>	30 32 ¹ / ₂
<i>M</i> · <i>ZNE</i>	05 04 ¹ / ₂ 15 ^s , $N: 8\frac{3}{4}\mu$, $E: 10\frac{1}{2}\mu$.	<i>M</i> · <i>ZNE</i>	05 04 ¹ / ₂ 15 ^s , $N: 8\frac{3}{4}\mu$, $E: 10\frac{1}{2}\mu$.	<i>iPKP2</i> · <i>Z'</i>	30 42 ¹ / ₂
$\Delta = 76^\circ$, $h = 116$ km. Honshu. $H = 04$ 16 24.3.		$\Delta = 76^\circ$, $h = 116$ km. Honshu. $H = 04$ 16 24.3.		<i>i</i> · <i>Z</i>	31 16
23 <i>ei(P)</i> · <i>Z</i>	21 51 (24)	23 <i>ei(P)</i> · <i>Z</i>	21 51 (24)	<i>i</i> · <i>Z</i>	31 36
<i>eS</i> · <i>N</i>	55 25	<i>eS</i> · <i>N</i>	55 25	<i>i</i> · <i>Z</i>	32 57
<i>e(R)</i> · <i>E</i>	58	<i>e(R)</i> · <i>E</i>	58	<i>iPP</i> · <i>ZN</i>	34 14
$\Delta = 22^\circ$, $h = 25$ km. Dodecanese Islands. $H = 21$ 45 50.5.		$\Delta = 22^\circ$, $h = 25$ km. Dodecanese Islands. $H = 21$ 45 50.5.		<i>i</i> · <i>E</i>	36 17
23 <i>eL</i> · <i>E</i>	22 08	23 <i>eL</i> · <i>E</i>	22 08	<i>i(SKS)</i> · <i>Z</i>	37 26
$\Delta = 21^\circ$. Dodecanese Islands. $H = 21$ 56 40.2.		$\Delta = 21^\circ$. Dodecanese Islands. $H = 21$ 56 40.2.		<i>i(PPP)</i> · <i>E</i>	37 42
				<i>i</i> · <i>N</i>	38 10
				<i>e</i> · <i>Z</i>	38 27
				<i>i</i> · <i>E</i>	39 00
				<i>i</i> · <i>Z</i>	41 18
				<i>i</i> · <i>Z</i>	41 55
				<i>e</i> · <i>E</i>	43 17
				<i>i</i> · <i>Z</i>	43 45
				<i>i</i> · <i>N</i>	43 55

March.		
7	<i>e(SKSP)·N</i>	10 ^h 44 ^m 27 ^s (Con.). <i>e·E</i> 46 39 <i>e·E</i> 49 24 <i>eL·N</i> 11 23 $\Delta = 152^\circ$, $h = 43$ km. Kermadec Islands. $H = 10$ 10 38.9.
7	<i>iPKP·Z'</i>	23 30 46 (D) $\Delta = 120^\circ$, $h = 90$ km. New Britain. $H = 23$ 11 59.6.
8	<i>eiP·Z'</i>	00 29 (22 ^{1/2}) $\Delta = 72^\circ$, $h = 34$ km. Fox Islands. $H = 00$ 17 58.9.
9	<i>eL·N</i>	04 29 $\Delta = 61^\circ$, Atlantic Ocean. $H = 03$ 59 08.7.
11	<i>iP·Z'</i>	01 42 56 ^{1/2} D <i>i·Z'</i> 43 25 ^{1/2} <i>eQ·EN</i> 02 01 <i>eR·E</i> 10 $\Delta = 71^\circ$, $h = 26$ km. Kurile Islands. $H = 01$ 31 34.4.
13	<i>eP·Z'</i>	19 22 21 <i>i·Z'</i> 22 34 <i>i·Z'</i> 23 09 <i>eS·E</i> 26.5 <i>eL·E</i> 31 $\Delta = 23^\circ$, $h = 25$ km. Crete. $H = 19$ 17 16.0.
15	<i>eL·E</i>	11 22 $\Delta = 118^\circ$, New Ireland. $H = 10$ 14 55.5.
16	<i>ePP·Z</i>	14 04 28 <i>e(SKS)·E</i> 10 (30) <i>e(PS)·Z</i> 13 35 <i>e(PPS)·N</i> 14 47 <i>eQ·E</i> 34 <i>eR·E</i> 42 $\Delta = 108^\circ$, $h = 74$ km. Flores Sea. $H = 13$ 45 35.6.
17	<i>ei(PKP)·Z'</i>	20 30 20 <i>eL·ZN</i> 21 37 ($\Delta = 148^\circ$, $h = 79$ km.) Tonga Islands. $H = 20$ 11 17.4.
18	<i>ePKP·Z</i>	15 14 (40) <i>e·Z</i> 20 16 <i>e·Z</i> 21 15 <i>e·E</i> 24 22 <i>ei·Z</i> 25 14 <i>e·Z</i> 31 (40) <i>e(SS)·N</i> 39 52 <i>eL·N</i> 16 07 <i>eL·ZN</i> 20 $\Delta = 161^\circ$, $h = 38$ km. New Zealand. $H = 14$ 54 59.3.
19	<i>eL·N</i>	08 29 $\Delta = 137^\circ$, New Hebrides Islands. $H = 07$ 14 57.8.

March.		
20	<i>iP·Z'</i>	03 ^h 38 ^m 24 ^s D <i>i·Z'</i> 38 35 ^{1/2} <i>eL·N</i> 52 $\Delta = 44^\circ$, $h = 86$ km. Hindu Kush. $H = 03$ 30 28.3.
20	<i>eL·ZNE</i>	06 58 $\Delta = 86^\circ$, Nicaragua. $H = 06$ 16 21.1.
20	<i>iPKP·Z</i>	16 12 24 C <i>i·Z'</i> 13 11 <i>ipPKP·Z</i> 13 23 <i>e(PP)·Z</i> 15 38 <i>i(SKP)·N</i> 16 11 <i>i(pPKS)·Z</i> 17 27 <i>e(SKKS)·N</i> 21 (45) <i>e(PS)·N</i> 26 (35) <i>e(SPP)·Z</i> 28 07 <i>i·N</i> 29 23 $\Delta = 142^\circ$, $h = 178$ km. Tonga Islands. $H = 15$ 53 26.1.
21	<i>eiPKP·Z'</i>	00 02 (22)
	<i>i(PKP2)·Z</i>	02 25 (D)
	<i>i·Z</i>	02 45
	<i>eL·E</i>	01 10
	$\Delta = 148^\circ$, $h = 25$ km. Tonga Islands. $H = 23$ 42 36.8.	
24	<i>iP·Z'</i>	23 09 12 D <i>eL·NE</i> 39 $\Delta = 78^\circ$, $h = 102$ km. Honshu. $H = 22$ 57 14.3.
28	<i>iP·Z</i>	09 49 43 ^{1/2} C <i>i·Z</i> 50 24 <i>iPP·Z</i> 53 56 - <i>i·ZE</i> 54 42 <i>i·Z</i> 55 16 <i>eSKS·NE</i> 10 00 (15) <i>iS·E</i> 01 13 <i>i(PS)·E</i> 03 23 <i>e·N</i> 05 12 <i>eL·N</i> 23 <i>M·NE</i> 30 20 ^s , $N: 41 \mu$, $E: 26 \frac{1}{2} \mu$. $\Delta = 102^\circ$, $h = 83$ km. Celebes. $H = 09$ 35 55.4. $M(L) = 7.0-7.1$ (COP).
28	<i>eL·N</i>	13 05 $\Delta = 73^\circ$, Andeanof Islands. $H = 12$ 29 12.7.
28	<i>eSKS·E</i>	21 26 25 <i>eS·N</i> 27 32 <i>e(PS)·N</i> 28 26 <i>eSS·N</i> 34 (36) $\Delta = 103^\circ$, $h = 125$ km. Chile/Bolivia. $H = 21$ 01 56.2.
30	<i>eL·Z</i>	08 26 $\Delta = 87^\circ$, California. $H = 07$ 42 59.4.
30	<i>eL·N</i>	10 03 $\Delta = 140^\circ$, Samoa Islands. $H = 08$ 49 45.6.

March.		
30	<i>eL·N</i>	12 ^h 35 ^m $\Delta = 65^\circ$, China. $H = 12$ 00 12.8.
April.		
1	<i>eP·ZZ'</i>	15 26 42 C from East. $Z: 7 \frac{1}{2} \mu$, $12 \frac{1}{2} \mu$.
	<i>iPP·Z</i>	28 17 ^{1/2}
	<i>e(PCP)·E</i>	28 27
	<i>e·E</i>	28 35
	<i>i·Z</i>	28 42
	<i>iPPP·Z</i>	29 02 ^{1/2}
	<i>e·Z</i>	31 05
	<i>ePcS·E</i>	32 (12)
	<i>iS·N</i>	33 14
	<i>i!(PS)·E</i>	33 25 -
	<i>eSS·N</i>	36 38
	<i>i(ScS)·E</i>	36 43
	<i>e·N</i>	38 37
	<i>eR·Z</i>	39.4
	<i>i·N</i>	41.7
	<i>M·ZNE</i>	46 approx. 10 ^s , $Z: 105 \mu$, $N: 85 \mu$, $E: 110 \mu$.
	$\Delta = 45^\circ$, $h = 21$ km. Sinkiang. $H = 15$ 18 22.8.	
4	<i>eS·Z</i>	10 01 39 Wiechert (No Z' , Gal. records).
	<i>eL·Z</i>	10 37
	$\Delta = 44^\circ$, $h = 16$ km. Sinkiang. $H = 09$ 46 36.6.	
4	<i>iP·Z'</i>	22 44 34 ^{1/2}
	<i>i·Z'</i>	44 42
	<i>i(PP)·Z'</i>	44 53
	<i>i(PPP)·Z'</i>	45 06 ^{1/2}
	<i>i·Z'</i>	45 25 ^{1/2}
	<i>i(S)·Z'</i>	46 48 ^{1/2}
	<i>e(SS)·E</i>	47 04
	<i>i(SSS)·E</i>	47 20
	<i>eR·E</i>	47.6
	<i>eR·N</i>	48.1
	$\Delta = 9^\circ$, Norway. $H = 22$ 42 30.	
5	<i>eL·NE</i>	07 11
	$\Delta = 45^\circ$, Sinkiang. $H = 06$ 47 07.4.	
6	<i>iP·Z'</i>	01 42 04 D
	<i>eR·Z</i>	55.5
	<i>i·E</i>	02 01 15 ^{1/2}
	$\Delta = 45^\circ$, $h = 33$ km. Sinkiang. $H = 01$ 33 46.9.	
6	<i>eL·E</i>	04 45
	$\Delta = 77^\circ$, California. $H = 04$ 04 46.1.	
6	<i>eL·NE</i>	14 58
	$\Delta = 86^\circ$, Sumatra. $H = 14$ 05 00.3.	
6	<i>iP·Z'</i>	18 20 28 D
	<i>i!·Z'</i>	20 34 ^{1/2}
	<i>ePP·Z</i>	22 06
	<i>eS·N</i>	26 47

April.		
6	<i>eSS·N</i>	18 ^h 30.0 ^m (Con.). <i>eL·NE</i> 34 $\Delta = 42^\circ$, $h = 109$ km. Iran. $H = 18$ 12 40.7.
6	<i>eL·Z</i>	22 30 120 ^s , Trace amplitude = 1 mm.
	<i>eL·E</i>	30.7
	<i>eL·N</i>	31
	} Irregular motion. 12 ^s , 0.6 μ .	
7	<i>eL·N</i>	14 20
7	<i>eP·Z</i>	20 05 42
	<i>ePP·Z</i>	08 12
	<i>eS·NE</i>	14 18
	<i>eL·NE</i>	28
	$\Delta = 65^\circ$, $h = 20$ km. Kamchatka. $H = 19$ 54 51.9.	
7	<i>iP·Z'</i>	21 25 40 ^{1/2} C
	<i>ipP·Z'</i>	25 52
	<i>ePP·Z</i>	27 27
	<i>eS·E</i>	32 07
	<i>eSS·N</i>	35 (04)
	<i>eR·N</i>	37.9
	$\Delta = 42^\circ$, $h = 44$ km. Kirghiz/Tadzhik. $H = 21$ 17 43.8.	
8	<i>eL·ZE</i>	00 52 15-20 ^s . less well shown on N.
8	<i>ePP·Z</i>	18 19 43
	<i>ePPP·Z</i>	22 23
	<i>iSKS·E</i>	25 27 ^{1/2}
	<i>ePS·E</i>	29 35
	<i>eSS·N</i>	35 (36)
	<i>eSSS·N</i>	40
	<i>eL·NE</i>	55
	$\Delta = 118^\circ$, $h = 60$ km. Chile. $H = 17$ 59 46.7.	
8	<i>eL·NE</i>	22 (26)
	$\Delta = 99^\circ$, Mariana Islands. $H = 21$ 37 41.6.	
9	<i>eL·NE</i>	08 02
	$\Delta = 79^\circ$, California. $H = 07$ 23.3.	
9	<i>iPKP·Z'</i>	09 40 08 ^{1/2} D
	$\Delta = 148^\circ$, Fiji Islands. $H = 09$ 21 29.0.	
9	<i>iP·ZZ'</i>	15 47 22 C from East.
	<i>i·Z'</i>	47 39
	<i>ePP·Z</i>	50 24
	<i>eS·E</i>	57 15
	<i>eSKS·E</i>	57 28
	<i>eScS·E</i>	57 40
	<i>e(PS)·N</i>	58 22
	<i>e(SS)·N</i>	16 03 08
	<i>e(SSS)·E</i>	06 12
	<i>e(Q)·Z</i>	07.1
	<i>eR·N</i>	13
	<i>M·ZNE</i>	26 19-20 ^s , $N: 53 \mu$, $E: 72 \mu$.
	$\Delta = 80^\circ$, $h = 13$ km. Formosa. $H = 15$ 35 05.4.	

April.

9	<i>ei(P'P')·Z'</i>	16 ^h 13 ^m 37 ^s	
	(Possibly <i>P'P'</i> from the previous earthquake).		
10	<i>eL·ZNE</i>	07 46	
	$\Delta = 80^\circ$. Formosa. $H = 06\ 57\ 13.6$.		
10	<i>eL·E</i>	20 46	
	$\Delta = 107^\circ$. New Guinea. $H = 19\ 40\ 15.9$.		
12	<i>iP·Z'</i>	22 33 02	D
	<i>i(pP)·Z</i>	33 22	
	<i>ePP·Z</i>	36 23	
	<i>i(pPP)·Z</i>	36 43	
	<i>e(SKS)·E</i>	43 16	
	<i>e(S)·E</i>	43 27	
	<i>e(PS)·N</i>	44 40	
	<i>eSS·E</i>	49	
	<i>eR·NE</i>	59	
	$\Delta = 85^\circ$. $h = 122$ km. El Salvador. $H = 22\ 20\ 33.6$.		
13	<i>eP·Z</i>	16 42 55	C
	<i>i·Z'</i>	42 55 ^{1/2}	D
	<i>i·Z'</i>	42 59	
	<i>i(PcP)·Z'</i>	44 12 ^{1/2}	
	<i>e(PP)·Z</i>	44 35	
	<i>e·Z</i>	44 57	
	<i>e·Z</i>	47 02	
	<i>eS·E</i>	49 32	
	<i>ePS·E</i>	49 45	
	<i>e·E</i>	50 24	
	<i>e·E</i>	52 23	
	<i>e(SS)·E</i>	52 40	
	<i>i·N</i>	53 02	
	<i>e(Q)·E</i>	53 21	
	<i>i(Lg)·E</i>	17 02 05	+, 15 ^s , 160 μ .
	<i>i(Lg)·Z</i>	02 07	-, 15 ^s , 150 μ .
	<i>M·ZNE</i>	02.1	N: 15 ^s , 66 μ .
	$\Delta = 45^\circ$. $h = 19$ km. Sinkiang. $H = 16\ 34\ 39.1$.		
16	<i>iP·Z'</i>	06 29 09	C
	$\Delta = 83^\circ$. $h = 387$ km. Honshu. $H = 06\ 17\ 21.3$.		
16	<i>iP·Z'</i>	11 51 38	D
	<i>i·Z'</i>	51 43	
	<i>i(pP)·Z'</i>	51 48	
	$\Delta = 68^\circ$. $h = 27$ km. Kamchatka. $H = 11\ 40\ 40.7$.		
17	<i>iPKP·Z'</i>	21 06 49 ^{1/2}	D
	$\Delta = 145^\circ$. $h = 549$ km. Tonga Islands. $H = 20\ 48\ 12.5$.		
19	<i>eiP·Z'</i>	16 24 01	
	<i>i1·Z'</i>	24 01 ^{1/2}	
	<i>i·Z'</i>	24 04	
	<i>eL·NE</i>	49	
	$\Delta = 74^\circ$. $h = 51$ km. Kurile Islands. $H = 16\ 12\ 28.7$.		

April.

19	<i>iP·Z'</i>	18 ^h 24 ^m 46 ^s ^{1/2}	(D)
	<i>eL·NE</i>	53	
	$\Delta = 67^\circ$. $h = 21$ km. Kamchatka. $H = 18\ 13\ 51.8$.		
19	<i>iP·Z'</i>	20 31 22 ^{1/2}	C
	<i>iPcP·Z'</i>	31 36	
	<i>eL·E</i>	56	
	$\Delta = 74^\circ$. $h = 27$ km. Kurile Islands. $H = 20\ 19\ 46.4$.		
19	<i>iP·Z'</i>	22 19 24	D
	<i>i·Z'</i>	24 08	
	<i>eL·E</i>	49	
	$\Delta = 73^\circ$. $h = 34$ km. Kurile Islands. $H = 22\ 07\ 51.2$.		
20	<i>eL·NE</i>	22 46	
	$\Delta = 139^\circ$. Samoa Islands. $H = 21\ 39\ 07.0$.		
21	<i>eL·E</i>	20 08	
	$\Delta = 71^\circ$. Kurile Islands. $H = 19\ 30\ 36.9$.		
21	<i>iP·Z'</i>	20 22 04	Confused by microseisms.
	<i>e(S)·N</i>	31 12	
	<i>e(S)·E</i>	31 23	
	<i>eL·E</i>	46	
	$\Delta = 72^\circ$. $h = 27$ km. Kurile Islands. $H = 20\ 10\ 38.3$.		
21	<i>eL·E</i>	22 05	
	$\Delta = 73^\circ$. Andreanof Islands. $H = 21\ 26\ 42.1$.		
22	<i>eL·NE</i>	01 30	
	$\Delta = 121^\circ$. New Britain. $H = 00\ 30.4$.		
23	<i>iP·Z'</i>	05 26 48 ^{1/2}	D
	<i>i·Z'</i>	26 58	
	<i>ipP·Z'</i>	27 12	
	<i>e(S)·N</i>	37 08	
	<i>e(PS)·E</i>	38 10	
	<i>e(SSS)·Z</i>	46 ^{1/2}	
	<i>eL·NE</i>	58	
	$\Delta = 82^\circ$. $h = 110$ km. Ryukyu Islands. $H = 05\ 14\ 31.1$.		
23	<i>iP·Z'</i>	09 13 15	C
	<i>i·Z'</i>	13 22	
	<i>i(pP)·Z'</i>	13 30	} Intermediate phases lost in } record change.
	<i>ePPP·Z</i>	17 39	
	<i>e·Z</i>	18 56	
	<i>eS·N</i>	22 39	
	<i>iPS·E</i>	23 26	
	<i>e·E</i>	26 47	
	<i>e·E</i>	28 48	
	<i>e(Q)·E</i>	31.1	
	<i>e·N</i>	34.7	
	<i>eR·E</i>	37	
	<i>M·E</i>	48	15 ^s , 35 μ .
	<i>M·ZN</i>	51	15 ^s , Z: 22 μ , N: 37 μ .
	$\Delta = 74^\circ$. $h = 44$ km. Kurile Islands. $H = 09\ 01\ 41.8$.		

April.

23	<i>eL·NE</i>	13 ^h 01 ^m	
	$\Delta = 74^\circ$. Kurile Islands. $H = 12\ 17\ 59.7$.		
23	<i>iP·Z</i>	17 02 35	
	<i>eS·N</i>	12 (14)	
	<i>eL·E</i>	28	
	$\Delta = 74^\circ$. $h = 76$ km. Kurile Islands. $H = 16\ 51\ 03.6$.		
24	<i>eL·E</i>	13 05	
	$\Delta = 74^\circ$. Kurile Islands. $H = 12\ 27\ 39.5$.		
25	<i>iP·Z</i>	01 29 12	C
	<i>i(P)·Z'</i>	29 13	D
	<i>e(PPP)·N</i>	34 30	
	<i>eS·N</i>	35 45	
	<i>eL·E</i>	51	
	$\Delta = 74^\circ$. $h = 78$ km. Kurile Islands. $H = 01\ 17\ 42.7$.		
25	<i>eL·NE</i>	12 46	
	$\Delta = 156^\circ$. Kermadec Islands. $H = 11\ 16\ 41.4$.		
26	<i>eL·ZNE</i>	00 32	
	$\Delta = 81^\circ$. Ryukyu Islands. $H = 23\ 40\ 34.3$.		
26	<i>iP·Z</i>	07 50 31 ^{1/2}	C
	<i>eS·N</i>	08 00 04	
	<i>e(SS)·N</i>	04 11	
	<i>e(Q)·N</i>	08 30	
	$\Delta = 74^\circ$. $h = 20$ km. Kurile Islands. $H = 07\ 38\ 54.1$.		
26	<i>eP·Z</i>	19 44 07	
	<i>eL·E</i>	20 11	
	$\Delta = 74^\circ$. $h = 51$ km. Kurile Islands. $H = 19\ 32\ 34.2$.		
27	<i>eL·N</i>	01 07 ^{1/2}	
	$\Delta = 44^\circ$. Sinkiang. $H = 00\ 44.3$.		
29	<i>eP·Z</i>	09 31 31	
	$\Delta = 78^\circ$. $h = 26$ km. California. $H = 09\ 19\ 28.3$.		
29	<i>iP·Z'ZNE</i>	09 33 19	C from North-west, 5 ^s , ZN: 8 μ , E: 3 μ .
	<i>i·Z</i>	34 24	
	<i>i·Z</i>	36 09	
	<i>i1S·E</i>	36 45 ^{1/2}	+
	<i>i(SSS)·N</i>	37 17	
	<i>eL·E</i>	39.0	
	<i>M·ZNE</i>	42	12 ^s , Z: 38 μ , N: 39 μ , E: 40 μ .
	$\Delta = 18^\circ$. $h = 14$ km. Jan Mayen Island. $H = 09\ 29\ 09.5$.		
29	<i>eL·NE</i>	11 17	
	$\Delta = 58^\circ$. Outer Mongolia. $H = 10\ 45\ 39.1$.		
30	<i>eP·Z</i>	07 39 25	
	<i>i(pP)·Z'</i>	39 36	
	<i>e(PPP)·Z</i>	40 31	
	<i>eS·E</i>	44 04	
	<i>eL·ZNE</i>	47	
	$\Delta = 26^\circ$. $h = 38$ km. Atlantic Ocean. $H = 07\ 33\ 53.5$.		

April.

30	<i>iP·Z'</i>	11 ^h 26 ^m 49 ^s ^{1/2}	
	<i>i·Z'</i>	26 53	
	<i>eS·N</i>	36 14	
	<i>eL·ZNE</i>	53	
	$\Delta = 73^\circ$. $h = 70$ km. Kurile Islands. $H = 11\ 15\ 19.8$.		
30	<i>eL·NE</i>	15 53	
	$\Delta = 139^\circ$. Samoa Islands. $H = 14\ 48\ 11.5$.		
May.			
2	<i>eL·E</i>	03 22	
	$\Delta = 18^\circ$. Jan Mayen Island. $H = 03\ 11\ 45.7$.		
2	<i>eL·N</i>	21 04	
	$\Delta = 151^\circ$. Kermadec Islands. $H = 19\ 38\ 13.5$.		
2	<i>iPKP·Z</i>	23 04 36	D
	<i>iPP·Z</i>	08 16	
	<i>e(SKSP)·E</i>	18 31	
	<i>e·N</i>	19 31	
	<i>e·E</i>	28 53	
	<i>eL·NE</i>	57	
	$\Delta = 151^\circ$. $h = 47$ km. Kermadec Islands. $H = 22\ 44\ 44.3$.		
2	<i>eiPKP·Z'</i>	23 43 53	Confused by microseisms.
	$\Delta = 151^\circ$. $h = 84$ km. Kermadec Islands. $H = 23\ 24\ 03.6$.		
3	<i>eL·N</i>	13 58	
	$\Delta = 85^\circ$. Luzon. $H = 13\ 10\ 04.0$.		
4	<i>eL·E</i>	03 01	
	$\Delta = 78^\circ$. California. $H = 02\ 17\ 34.0$.		
4	<i>eL·E</i>	07 29	
	$\Delta = 58^\circ$. Atlantic Ocean. $H = 07\ 00\ 32.9$.		
5	<i>eiPKP·Z'</i>	14 03 12	
	<i>e·Z</i>	04 49	
	<i>e·N</i>	18 10	
	<i>e·E</i>	27 24	
	<i>eL·NE</i>	15 03	
	$\Delta = 152^\circ$. $h = 84$ km. Kermadec Islands. $H = 13\ 43\ 21.7$.		
6	<i>eL·E</i>	16 15 ^{1/2}	
	$\Delta = 18^\circ$. Mediterranean Sea. $H = 16\ 04\ 33.1$.		
6	<i>eL·NE</i>	20 09	
	$\Delta = 62^\circ$. Atlantic Ocean. $H = 19\ 38\ 04.6$.		
7	<i>ePP·Z</i>	00 46.0	
	<i>ePS·E</i>	56.0	
	<i>eL·NE</i>	01 20	
	$\Delta = 122^\circ$. $h = 123$ km. Solomon Islands. $H = 00\ 25\ 40.8$.		
7	<i>eiP·Z'</i>	04 56 04	
	<i>eL·N</i>	05 (31)	
	$\Delta = 17^\circ$. Corfu. $H = 04\ 51\ 43$.		

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May.			
7	eS·E	10 ^h 47 ^m 16 ^s	
	eL·NE	11 13	
	Δ = 98°. h = 89 km. Mindanao. H = 10 22 43.7.		
7	eL·E	12 56	
	Δ = 77°. Honshu. H = 12 14 15.5.		
7	eP·Z	15 45 09	
	eL·E	51	
	Δ = 17°. h = 66 km. Jan Mayen Island. H = 15 40 52.5.		
8	ePS·E	19 51 33	
	eL·E	20 17	
	Δ = 106°. h = 48 km. Chile. H = 19 23 35.4.		
10	eL·E	17 19	
	Δ = 20°. Mediterranean Sea. H = 17 08 00.		
11	ePP·Z	08 58 41	
	ePS·Z	09 08 (12)	
	ePPS·Z	09 38	
	eSS·N	14 33	
	eL·ZNE	40	
	Δ = 118°. h = 47 km. Chile. H = 08 38 27.1.		
11	eL·N	14 13	
	Δ = 74°. Kurile Islands. H = 13 36 36.2.		
13	eL·N	14 55	
	Δ = 151°. Kermadec Islands. H = 14 18 42.4.		
13	eL·NE	15 41.0	
	eL·ZNE	44	
	Δ = 141°. h = 556 km. Fiji Islands. H = 14 52 55.3.		
13	eiP·Z'Z	16 01 07 ¹ / ₂ C	
	e(SS)·E	15 (54)	
	eL·E	31	
	eL·ZN	37	
	Δ = 74°. h = 31 km. Hokkaido. H = 15 49 29.6.		
14	eP·ZNE	15 12 24	C from North-west, Z: 5 ^s , 1 μ.
	eS·N	16 09	
	eL·ZNE	18	
	Δ = 19°. h = 47 km. Iceland. H = 15 08 04.2.		
14	eP·ZNE	15 42 39	C from North-west, Z: 5 ^s , 2 μ.
	eS·Z	46 07	
	eL·ZE	47	
	(Δ = 19°. h = 23 km.) Iceland. (H = 15 38 07.5).		
14	eL·E	20 16	
	Δ = 78°. California. H = 19 31 34.4.		
15	eL·NE	20 28	
	Δ = 135°. Santa Cruz Islands. H = 19 12 10.8.		

May.			
15	iPKP·Z'Z	21 ^h 12 ^m 26 ^s D	
	Δ = 144°. h = 89 km. Tonga Islands. H = 20 53 05.3.		
16	ePKP·Z'	17 47 09	D
	e·Z'	47 19	
	eL·NE	18 58	
	Δ = 152°. h = 53 km. Kermadec Islands. H = 17 27 34.1.		
16	iP·Z'	21 57 35	D
	iPcP·Z'	57 41	
	i·Z'	57 48	
	eS·E	22 07 38	
	iScS·E	07 52	
	e(PS)·E	08 06	
	eSS·E	13 (08)	
	eL·Z	22.8	
	Δ = 80°. h = 25 km. Ryukyu Islands. H = 21 45 24.0.		
17	iP·Z'	19 40 43	D
	iP·ZN	40 43	C from North.
	i·Z	40 49	
	ePP·Z	43 23	
	eS·N	49 57	
	e·ZNE	50 14	
	ePS·NE	50 43	
	eSS·N	55 09	
	eQ·Z	58.5	
	eR·NE	20 02	
	Δ = 72°. h = 21 km. Near Islands. H = 19 29 19.3.		
18	eL·NE	00 57	
	Δ = 61°. China. H = 00 23 45.2.		
18	eP·ZN	09 43 (29)	
	eS·E	46 (51)	
	eL·E	48 ¹ / ₂	
	Δ = 17°. Arctic Ocean. H = 09 39 30.		
19	eL·ZNE	00 14	
	Δ = 119°. Chile. H = 23 10 13.7.		
19	iPKP·Z'	02 40 10 ³ / ₄ (C)	
	i·Z'	40 13	
	ei·Z'	41 (40)	
	Δ = 146°. h = 600 km. Fiji Islands. H = 02 21 31.8.		
19	eL·E	10 09	
	Δ = 87°. Nicaragua. H = 09 25 26.6.		
19	e(P)·Z'	14 58 10	approx. 1/2 ^s .
	i·Z'	58 30	
19	i(P)·Z'	14 59 37 ¹ / ₂ D, approx. 1/2 ^s .	
	(Δ = 78°. H = 14 47.7. California).		
19	eS·N	16 59 53	
	eL·N	17 13	
	Δ = 81°. h = 71 km. Ryukyu Islands. H = 16 37 28.9.		

May.			
19	e(P)·Z'	23 ^h 59 ^m 35 ^s	
20	eL·N	02 44	
	Δ = 45°. Sinkiang. H = 02 20.3.		
20	eiP·Z'	12 02 33	
	Δ = 74°. h = 59 km. Kurile Islands. H = 11 51 01.2.		
20	eL·ZN	17 57	
	Δ = 17°. Arctic Ocean. H = 17 47 19.3.		
20	eL·NE	18 32	
	Δ = 64°. Tanganyika. H = 17 52 04.6.		
21	eL·N	16 14	
21	eL·N	20 11	
	(Δ = 40°. Iran. H = 19 44 19).		
22	ePKP·Z	14 04 07 ¹ / ₂ C	
	i·Z'	04 19	
	i·Z	04 23	
	ePP·Z	07 33	
	e(SKKS)·E	14 (07)	
	e(SSS)·N	32 (02)	
	eL·N	59	
	Δ = 145°. h = 97 km. Tonga Islands. H = 13 44 35.8.		
22	iPKP·Z'	17 52 01 ¹ / ₂ C	
	i·Z'	52 21	
	i·Z	52 45 ¹ / ₂	
	i·Z	53 03 ¹ / ₂	
	i·Z	53 27	
	iPP·Z	55 29	
	e·Z	58 17	
	eSKKS·N	18 02 27	
	e(PcSPKP)·E	04 13	
	e·N	04 29	
	eSKSP·N	05 37	
	eSS·E	14 24	
	e·E	23 32	
	eL·E	38	
	Δ = 147°. h = 35 km. Tonga Islands. H = 17 32 21.6.		
23	iP·Z'ZNE	02 50 08	C from South-east.
	iP·ZNE	50 27	approx. 2 ¹ / ₂ ^s , Z: 43 μ, N: 24 μ, E: 23 μ.
	eS·ZNE	54 09 ¹ / ₂	N: +, E: -.
	iIsS·ZNE	54 (37)	10 ^s , Z: 37 μ, N: 67 μ, E: 64 μ.
	i(SSS)·ZN	55 08	
	eL·E	56 54	
	M·ZNE	03 00	approx. 13 ^s , Z: 135 μ, N: 61 μ, E: 78 μ.
	Δ = 22°. h = 70 km. Turkey. H = 02 45 18.8.		
23	iP·Z'	03 52 54 ¹ / ₄ (C)	
	eP·Z	52 55	D
	eS·N(E)	04 03 24	
	Δ = 86°. h = 136 km. Costa Rica. H = 03 40 26.1.		

May.			
23	iP·Z'	03 ^h 55 ^m 38 ^s	
	Δ = 86°. h = 150 km. Costa Rica. H = 03 43 10.		
23	eL·N	05 57	
	eL·ZE	06 10	
23	eP·Z	16 57 25	
	ePP·Z	17 00 44	
	eS·E	07 47	
	ePS·E	09 08	
	eL·N	22	
	Δ = 85°. h = 138 km. Nicaragua. H = 16 44 59.4.		
26	eL·E	23 34	
	Δ = 77°. Honshu. H = 22 49 49.4.		
27	iP·Z'	07 29 39	D
	eL·E	59	
	Δ = 74°. h = 156 km. Honshu. H = 07 18 12.2.		
27	eL·N	11 02	
	Δ = 44°. Hindu Kush. H = 10 37 39.6.		
27	eS·NE	17 15 42	
	eL·N	44	
	Δ = 87°. h = 39 km. Sumatra. H = 16 52 19.3.		
27	eL·ZE	23 31	
	Δ = 86°. Luzon. H = 22 38 35.5.		
28	iPKP·Z'	19 47 52 ¹ / ₂	
	i·Z'	47 59	
	Δ = 149°. h = 219 km. Fiji Islands. H = 19 28 21.9.		
29	eL·ZNE	08 32	
	Δ = 119°. Chile. H = 07 28 11.7.		
29	eS·E	11 08 (10)	
	eSS·N	11 (52)	
	eL·NE	18	
	Δ = 50°. h = 25 km. Ethiopia. H = 10 52 01.2.		
29	eL·E	19 52	
	Δ = 50°. Ethiopia. H = 19 26 05.5.		
31	eP·Z	14 30 (15)	
	eS·N	40 35	
	e·N	52 21	
	eL·NE	58	
	Δ = 83°. h = 74 km. California. H = 14 17 43.8.		
31	ePS·Z	19 46 21	
	ePPS·Z	47 20	
	eL·E	20 16	
	Δ = 120°. h = 56 km. New Britain. H = 19 15 57.0.		

June.	
1 <i>eP·Z'</i>	23 ^h 38 ^m 13 ^s
<i>i(pP)·Z</i>	38 24
<i>ePcP·Z</i>	39 33
<i>iPP·Z</i>	40 19
<i>i·Z</i>	40 44
<i>e·N</i>	45 12
<i>iS·N</i>	45 38
<i>i(sS)·N</i>	45 53
<i>eSS·N</i>	49 20
<i>eL·NE</i>	52
$\Delta = 51^\circ$, $h = 33$ km. Ethiopia. $H = 23$ 29 21.2.	
2 <i>iP·Z</i>	05 00 08 <i>D</i> to South-east.
<i>ePP·Z</i>	02 08
<i>e·Z</i>	02 21
<i>eS·N</i>	07 24
<i>i·E</i>	10 15
<i>e(SS)·E</i>	11 10
<i>i·N</i>	11 24
<i>eL·ZNE</i>	13.2
$\Delta = 50^\circ$, $h = 33$ km. Ethiopia. $H = 04$ 51 14.8.	
2 <i>eP·Z</i>	07 11 (50)
$\Delta = 51^\circ$, $h = 33$ km. Ethiopia. $H = 07$ 02 49.9.	
2 <i>e(SS)·E</i>	18 40.0
<i>eL·NE</i>	59
$\Delta = 93^\circ$, $h = 43$ km. Mariana Islands. $H = 18$ 09 27.2.	
2 <i>eL·NE</i>	24 06
$\Delta = 51^\circ$, Ethiopia. $H = 23$ 32 32.1.	
3 <i>eP·Z</i>	01 24 16
<i>eS·N</i>	33 07
<i>e·N</i>	33 39
<i>eSS·N</i>	37 35
<i>eL·N</i>	48
$\Delta = 66^\circ$, $h = 29$ km. Kamchatka. $H = 01$ 13 25.4.	
3 <i>eS·E</i>	06 25.2
<i>eL·NE</i>	28
$\Delta = 21^\circ$, $h = 45$ km. Turkey. $H = 06$ 16 16.7.	
3 <i>eP·Z</i>	15 32 14 <i>D</i>
<i>ePP·Z</i>	34 16
<i>eS·E</i>	39 27
<i>ePS·N</i>	39 47
<i>eL·NE</i>	(50)
$\Delta = 51^\circ$, $h = 33$ km. Ethiopia. $H = 15$ 23 15.8.	
4 <i>iP·ZZ'</i>	07 42 09 ¹ / ₂ <i>D</i> to East, $Z: 6^s, 5^1/2 \mu.$
<i>i·Z'</i>	42 13 ¹ / ₂
<i>ePP·Z</i>	44 09
<i>iS·N</i>	49 31
<i>ePS·E</i>	49 49
<i>e(SS)·Z</i>	53 20
$\Delta = 52^\circ$, $h = 32$ km. Tibet. $H = 07$ 33 06.0.	

June.	
4 <i>iP·Z'</i>	07 ^h 52 ^m 49 ¹ / ₂ ^s (C)
$\Delta = 52^\circ$, $h = 30$ km. Tibet. $H = 07$ 43 43.6.	
4 <i>eL·NE</i>	13 52 32
<i>e·E</i>	57 30
4 <i>eP·Z</i>	14 00 34
<i>iP·Z'</i>	00 35 (C)
<i>e·N</i>	12.4
<i>eL·N</i>	19
$\Delta = 52^\circ$, $h = 32$ km. Tibet. $H = 13$ 51 29.9.	
5 <i>eiP·Z'</i>	03 38 41 <i>C</i>
<i>eS·E</i>	44 (50)
<i>eL·NE</i>	50
$\Delta = 41^\circ$, $h = 30$ km. Iran. $H = 03$ 30 56.0.	
6 <i>eL·N</i>	21 21
$\Delta = 45^\circ$, Sinkiang. $H = 20$ 56 20.1.	
7 <i>iP·Z</i>	14 25 55 <i>C</i>
<i>iPP·Z</i>	28 15
<i>ePPP·Z</i>	30 02
<i>e·Z</i>	31 34
<i>eS·N</i>	34 35
<i>eScS·E</i>	35 57
<i>eSS·E</i>	38 29
<i>e·N</i>	40 10
<i>eSSS·E</i>	41 29
<i>eL·NE</i>	44
$\Delta = 64^\circ$, $h = 17$ km. Ascension Island. $H = 14$ 15 18.9.	
8 <i>ePP·Z</i>	16 03 00
<i>ePS·E</i>	12 20
<i>ePPS·E</i>	13 25
<i>eSS·E</i>	18 31
<i>eSSS·E</i>	22 (09)
<i>eL·N</i>	39
$\Delta = 108^\circ$, $h = 18$ km. Flores. $H = 15$ 44 02.4.	
9 <i>ei(P)·Z'</i>	04 04 12
$\Delta = 46^\circ$, $h = 110$ km. India. $H = 03$ 55 51.4.	
9 <i>iP·Z'</i>	09 42 49 ¹ / ₂ <i>C</i>
<i>i·Z'</i>	43 05
<i>eS·E</i>	47 32
<i>e·N</i>	48 (13)
<i>i(SS)·N</i>	49 24
<i>eL·N</i>	51.8
$\Delta = 29^\circ$, $h = 17$ km. Caspian Sea. $H = 09$ 36 49.2.	
10 <i>ePS·NE</i>	09 18.4
<i>eSS·NE</i>	23.7
<i>eL·E</i>	38
$\Delta = 97^\circ$, $h = 33$ km. Mexico. $H = 08$ 52 05.4.	
10 <i>ePKP·Z</i>	20 51.3
<i>ePP·Z</i>	52.7

June.	
10 <i>ePKS·Z</i>	20 ^h 54.4 ^m (Con.)
<i>eSS·N</i>	21 09.8
<i>e·N</i>	10.6
<i>eL·E</i>	15.3
$\Delta = 123^\circ$, $h = 47$ km. Easter Island. $H = 20$ 31 50.9.	
11 <i>eL·E</i>	04 48
$\Delta = 69^\circ$, Kamchatka. $H = 04$ 02 44.6.	
11 <i>iP·ZZ'</i>	05 18 08 <i>C</i>
<i>i·Z</i>	18 16
<i>iPP·Z</i>	19 50
<i>i·NE</i>	20 44
<i>i·E</i>	24 12
<i>eS·E</i>	24 23
<i>i·NE</i>	24 33 ¹ / ₂ 10 ^s , $N: 9 \mu$, $E: 23 \mu$.
<i>i·E</i>	24 53
<i>e·N</i>	25 31
<i>eSS·ZNE</i>	27.1
<i>M·N</i>	37.5 18 ^s , 70 μ .
<i>M·E</i>	39 14 ^s , 45 μ .
$\Delta = 41^\circ$, $h = 37$ km. Iran. $H = 05$ 10 26.3.	
11 <i>iP·Z'</i>	05 37 55 <i>C</i>
<i>i·Z'</i>	37 59 ¹ / ₂
<i>ipP·Z'</i>	38 13
$\Delta = 41^\circ$, $h = 62$ km. Iran. $H = 05$ 30 14.5.	
11 <i>ei(P)·Z'</i>	06 04 05
$\Delta = 69^\circ$, $h = 18$ km. Kamchatka. $H = 05$ 52 51.7.	
11 <i>ei(P)·Z'</i>	06 27 57
$\Delta = (41^\circ)$, Iran. $H = 06$ 19 24.	
11 <i>eP·Z'</i>	06 54 30
$\Delta = 41^\circ$, $h = 41$ km. Iran. $H = 06$ 46 57.9.	
11 <i>eiP·Z'</i>	06 59 11 ¹ / ₂
<i>i·Z'</i>	59 22 ¹ / ₂
$\Delta = 41^\circ$, $h = 49$ km. Iran. $H = 06$ 51 29.6.	
11 <i>eL·N</i>	11 46
$\Delta = 41^\circ$, Iran. $H = 11$ 24 09.4.	
11 <i>eiP·Z'</i>	12 38 04
$\Delta = 41^\circ$, $h = 35$ km. Iran. $H = 12$ 30 23.5.	
11 <i>iP·ZZ'</i>	12 39 09 <i>C</i> from East.
<i>i·Z'</i>	39 31 ¹ / ₂
<i>e·Z</i>	39 40
<i>e(P)·Z</i>	40 23
<i>iS·E</i>	45 22 ¹ / ₂
<i>i·E</i>	45 51
<i>e(SSS)·E</i>	49 12
<i>eL·NE</i>	53
$\Delta = 41^\circ$, $h = 36$ km. Iran. $H = 12$ 31 26.8.	

June.	
11 <i>eiP·ZZ'</i>	14 ^h 05 ^m 42 ^s <i>C</i>
<i>i·Z'</i>	05 47 ¹ / ₂
<i>eS·E</i>	11 52
<i>eSS·E</i>	15.0
<i>eL·NE</i>	20
$\Delta = 41^\circ$, $h = 34$ km. Iran. $H = 13$ 57 58.3.	
11 <i>eiP·Z'</i>	17 26 31
<i>eS·N</i>	35.6
<i>eScS·N</i>	36.6
<i>eL·NE</i>	51
$\Delta = 67^\circ$, $h = 33$ km. Burma. $H = 17$ 15 34.5.	
11 <i>iP·Z'</i>	23 20 50 <i>C</i>
$\Delta = 41^\circ$, $h = 42$ km. Iran. $H = 23$ 13 07.8.	
12 <i>eL·N</i>	01 04
$\Delta = 90^\circ$, Pacific Ocean. $H = 00$ 14 28.7.	
12 <i>iP·Z</i>	10 09 54 ¹ / ₂ (C)
<i>ePP·Z</i>	12 (50)
<i>ePPP·ZE</i>	14 32
<i>eL·N</i>	34
$\Delta = 74^\circ$, $h = 33$ km. Vietnam. $H = 09$ 58 17.1.	
13 <i>iPKP·ZZ'</i>	21 57 19 <i>D</i> $Z: 4^s, 3^1/2 \mu.$
<i>ipPKP·ZZ'</i>	58 01
$\Delta = 145^\circ$, $h = 146$ km. Tonga Islands. $H = 21$ 37 55.0.	
14 <i>eiP·Z'</i>	00 32 09
<i>eL·N</i>	50
$\Delta = 41^\circ$, $h = 36$ km. Iran. $H = 00$ 24 27.3.	
14 <i>eiP·Z'</i>	00 51 54 Confused by microseisms.
<i>eL·NE</i>	01 13
$\Delta = 66^\circ$, $h = 62$ km. Burma. $H = 00$ 41 13.0.	
14 <i>eL·NE</i>	09 29
$\Delta = 41^\circ$, Iran. $H = 09$ 03 37.0.	
14 <i>eL·N</i>	17 57
$\Delta = 41^\circ$, Hindu Kush. $H = 17$ 31 45.7.	
14 <i>eP·Z</i>	20 41 17 <i>C</i>
<i>ePcP·Z</i>	42 36
<i>ePP·Z</i>	43 15
<i>eS·E</i>	48 31
<i>eSS·N</i>	52.4
<i>eL·E</i>	57
$\Delta = 50^\circ$, $h = 33$ km. Ethiopia. $H = 20$ 32 21.6.	
15 <i>eL·N</i>	01 41.4
<i>eL·E</i>	48
$\Delta = 82^\circ$, Colombia. $H = 00$ 51 30.6.	
15 <i>eL·N</i>	06 44.0
<i>eL·E</i>	47
$\Delta = 41^\circ$, Iran. $H = 06$ 21 35.6.	

June.		June	
15 <i>iP·Z'</i>	23 ^b 36 ^m 11 ^{1/2} s (C) Confused b microseisms.	20 <i>eL·N</i>	03 ^b 45 ^m
<i>eL·NE</i>	24 01	$\Delta = 50^\circ$.	Gulf of Aden. $H = 03\ 21\ 34.3$.
$\Delta = 73^\circ$.	$h = 36$ km. Kurile Islands. $H = 23\ 24\ 43.8$.		
16 <i>e(PPP)·Z</i>	07 31.3	21 <i>iP·Z'</i>	06 47 06
<i>eL·NE</i>	08 12	<i>i·Z'</i>	47 10
$\Delta = 122^\circ$.	$h = 17$ km. Chile. $H = 07\ 08\ 16.5$.	<i>i·Z'</i>	47 34
		<i>eL·NE</i>	07 00.6
		$\Delta = 41^\circ$.	$h = 40$ km. Iran. $H = 06\ 39\ 23.0$.
16 <i>i P·ZZ'</i>	10 44 00 D	21 <i>eiP·Z</i>	16 09 34
<i>ipP·Z</i>	44 29	<i>eS·Z</i>	13.4
<i>isP·Z</i>	44 40	<i>eL·E</i>	16
<i>i(sPcP)·Z</i>	44 46	$\Delta = 21^\circ$.	$h = 31$ km. Turkey. $H = 16\ 04\ 47.2$.
<i>eS·Z</i>	53 46		
<i>i SKS·N</i>	53 59 ^{1/2} -	21 <i>eL·E</i>	21 09
<i>ipS·N</i>	54 19	$\Delta = 101^\circ$.	Java. $H = 20\ 25\ 00.9$.
<i>iPS·N</i>	54 51 ^{1/2}		
<i>eL·N</i>	11 04	22 <i>e(Q)·Z</i>	01 02.3
$\Delta = 80^\circ$.	$h = 120$ km. Colombia. $H = 10\ 31\ 56.2$.	<i>eR·E</i>	03.4
		$\Delta = 14^\circ$.	Albania/Yugoslavia. $H = 00\ 56\ 03.7$.
16 <i>eL·E</i>	15 16	23 <i>eP·Z</i>	09 07 40
$\Delta = 23^\circ$.	Dodecanese Islands. $H = 14\ 59\ 48.3$.	<i>eL·NE</i>	27
		$\Delta = 75^\circ$.	$h = 56$ km. Oregon. $H = 08\ 55\ 55.2$.
17 <i>eP·Z</i>	08 13 35 ^{1/2} (C)	23 <i>eS·E</i>	16 50 23
<i>eL·NE</i>	28	<i>eSS·N</i>	53.4
$\Delta = 41^\circ$.	$h = 38$ km. Iran. $H = 08\ 05\ 53.0$.	$\Delta = 42^\circ$.	$h = 32$ km. Iran. $H = 16\ 36\ 22.8$.
17 <i>eL·E</i>	11 48	24 <i>eL·NE</i>	05 57
$\Delta = 98^\circ$.	Peru. $H = 10\ 56\ 30.3$.	$\Delta = 86^\circ$.	El Salvador. $H = 05\ 07\ 55.6$.
17 <i>eiP·Z'</i>	15 20 09	25 <i>ePP·Z</i>	17 03 32
<i>e(S)·NE</i>	30 48	<i>e·Z</i>	04 16
<i>i·N</i>	32 39	<i>e(PS)·E</i>	14 09
<i>e·E</i>	33 19	<i>eL·ZNE</i>	35
<i>e(SS)·E</i>	36 54	$\Delta = 92^\circ$.	$h = 33$ km. Mariana Islands. $H = 16\ 46\ 38.6$.
<i>e(SSS)·E</i>	40.5		
<i>eL·NE</i>	45		
$\Delta = 86^\circ$.	$h = 85$ km. Mexico/Guatemala. $H = 15\ 07\ 33.7$.	25 <i>eL·NE</i>	20 02
		$\Delta = 118^\circ$.	Chile. $H = 19\ 32\ 14.4$.
18 <i>iPKP·Z'</i>	14 14 30 (C) Confused by microseisms.	26 <i>eP·Z</i>	14 58 42
<i>i·Z'</i>	14 45	<i>i·Z'</i>	58 46
<i>iPKP2·Z'</i>	14 58	<i>eS·E</i>	15 08 05
$\Delta = 154^\circ$.	$h = 434$ km. Kermadec Islands. $H = 13\ 55\ 16.6$.	<i>e(PS)·N</i>	08 47
		<i>e·E</i>	09 32
19 <i>eL·N</i>	02 33	<i>e·E</i>	10 11
$\Delta = 90^\circ$.	Luzon. $H = 01\ 45\ 25.5$.	<i>e(SS)·E</i>	13 18
		<i>eQ·Z</i>	16.8
19 <i>eL·NE</i>	03 31	<i>eR·E</i>	23
$\Delta = 76^\circ$.	Honshu. $H = 02\ 46\ 03.6$.	$\Delta = 71^\circ$.	$h = 40$ km. Near Islands. $H = 14\ 47\ 27.3$.
19 <i>eL·E</i>	08 (23)	27 <i>eiP·Z'</i>	07 14 28 Confused by microseisms.
$\Delta = 76^\circ$.	Honshu. $H = 07\ 38\ 25.0$.	<i>i·Z'</i>	14 33 ^{1/2}
		<i>i(pP)·Z'</i>	14 39 ^{1/2}
19 <i>eiP·Z'</i>	17 12 20 ^{1/2} Confused by microseisms.	<i>e·Z</i>	16 06
<i>i·Z</i>	12 23	<i>eS·N</i>	23 19
<i>ipP·Z'</i>	13 02 ^{1/2}	<i>e(PS)·E</i>	23 54
<i>iS·E</i>	18 39		
<i>i(SS)·E</i>	22 10		
$\Delta = 43^\circ$.	$h = 200$ km. Hindu Kush. $H = 17\ 04\ 37.0$.		

June.		July.	
27 <i>eScS·N</i>	07 ^b 24 ^m 31 ^s (Con.).	7 <i>ePKP·Z</i>	13 ^b 30.6 ^m
<i>eSS·E</i>	27 41	<i>e(PP)·Z</i>	30 54
<i>eSSS·N</i>	30 15	<i>i·Z</i>	31 03
<i>eQ·Z</i>	30.8	<i>e·Z</i>	31 31
<i>eR·N</i>	35	<i>e(PPP)·Z</i>	33 30
$\Delta = 66^\circ$.	$h = 33$ km. Yunnan. $H = 07\ 03\ 42.2$.	<i>ePS·E</i>	40 44
		<i>e·E</i>	41 23
29 <i>ePKP·Z</i>	09 42 04	<i>eSS·NE</i>	47.2
<i>ePP·E</i>	44 36	$\Delta = 120^\circ$.	$h = 57$ km. New Britain. $H = 13\ 10\ 43.8$.
<i>i·Z</i>	45 03		
<i>e·NE</i>	45 13	7 <i>ePKP·Z</i>	22 39 (04)
<i>ePKS·ZNE</i>	45 46	<i>ePP·Z</i>	41 57
<i>e·E</i>	46 51	<i>eL·NE</i>	23 39
<i>e(SKKS)·Z</i>	51.7	$\Delta = 141^\circ$.	$h = 41$ km. Loyalty Islands. $H = 22\ 19\ 31.6$.
<i>e·ZN</i>	58 08		
<i>eL·E</i>	10 26	8 <i>ePKP·Z</i>	02 54 41
$\Delta = 134^\circ$.	$h = 37$ km. New Hebrides Islands. $H = 09\ 22\ 55.8$.	<i>ePP·Z</i>	57 45
		<i>ePKS·E</i>	58 19
29 <i>eS·E</i>	22 13 41	<i>e(PS)·N</i>	03 08 47
<i>i·N</i>	13 45 ^{1/2}	<i>eSS·N</i>	16.2
<i>eL·ZE</i>	17	<i>eL·E</i>	38
$\Delta = 34^\circ$.	$h = 33$ km. Severnaya Zemlya. $H = 22\ 01\ 24.1$.	$\Delta = 140^\circ$.	$h = 33$ km. Loyalty Islands. $H = 02\ 35\ 20.5$.
30 <i>eL·E</i>	05 18	8 <i>ePKP·Z</i>	15 53 58 (D)
$\Delta = 23^\circ$.	Crete. $H = 05\ 05\ 24.8$.	<i>i·Z</i>	54 07 ^{1/2}
		<i>e·Z</i>	55 20
		<i>ePP·Z</i>	57 00
		<i>ePKS1·E</i>	57 32
		<i>ePKS2·N</i>	57 44
		<i>e·N</i>	58 57
		<i>e(PPP)·Z</i>	16 00 37
		<i>e(SKKS)·N</i>	03 21
		<i>eL·E</i>	36
		$\Delta = 140^\circ$.	$h = 26$ km. Loyalty Islands. $H = 15\ 34\ 37.4$.
		8 <i>ePKP·Z</i>	21 33 (28)
		<i>ePP·Z</i>	36.4
		$\Delta = 141^\circ$.	$h = 33$ km. Loyalty Islands. $H = 21\ 13\ 59.5$.
		8 <i>ePKP·Z</i>	22 08 08
		<i>ePP·Z</i>	11 11
		<i>ePKS·NE</i>	11 53
		$\Delta = 141^\circ$.	$h = 18$ km. Loyalty Islands. $H = 21\ 48\ 42.3$.
		9 <i>eiP·Z'</i>	08 13 28
		<i>e(S)·E</i>	19.6
		$\Delta = 40^\circ$.	$h = 25$ km. Iran. $H = 08\ 05\ 45.9$.
		10 <i>eSKS·E</i>	04 14 (10)
		$\Delta = 101^\circ$.	$h = 117$ km. Chile/Bolivia. $H = 03\ 49\ 56.4$.
		11 <i>eP·Z</i>	09 43 43 (C)
		<i>eS·E</i>	53 37
		<i>e·E</i>	53 43
		<i>ePS·Z</i>	54 13
		<i>eL·N</i>	10 15
		$\Delta = 78^\circ$.	$h = 17$ km. Nicobar Islands. $H = 09\ 31\ 42.6$.
		27 <i>eScS·N</i>	07 ^b 24 ^m 31 ^s (Con.).
		<i>eSS·E</i>	27 41
		<i>eSSS·N</i>	30 15
		<i>eQ·Z</i>	30.8
		<i>eR·N</i>	35
		$\Delta = 66^\circ$.	$h = 33$ km. Yunnan. $H = 07\ 03\ 42.2$.
		29 <i>ePKP·Z</i>	09 42 04
		<i>ePP·E</i>	44 36
		<i>i·Z</i>	45 03
		<i>e·NE</i>	45 13
		<i>ePKS·ZNE</i>	45 46
		<i>e·E</i>	46 51
		<i>e(SKKS)·Z</i>	51.7
		<i>e·ZN</i>	58 08
		<i>eL·E</i>	10 26
		$\Delta = 134^\circ$.	$h = 37$ km. New Hebrides Islands. $H = 09\ 22\ 55.8$.
		29 <i>eS·E</i>	22 13 41
		<i>i·N</i>	13 45 ^{1/2}
		<i>eL·ZE</i>	17
		$\Delta = 34^\circ$.	$h = 33$ km. Severnaya Zemlya. $H = 22\ 01\ 24.1$.
		30 <i>eL·E</i>	05 18
		$\Delta = 23^\circ$.	Crete. $H = 05\ 05\ 24.8$.
		July.	
		1 <i>iP·Z'</i>	08 12 30
		$\Delta = 84^\circ$.	$h = 117$ km. Bonin Islands. $H = 08\ 00\ 11.6$.
		2 <i>iP·Z'</i>	02 18 31 ^{1/2}
		$\Delta = 73^\circ$.	$h = 100$ km. Hokkaido. $H = 02\ 07\ 15.0$.
		4 <i>iP·Z'</i>	06 24 04 ^{1/2} Confused by microseisms.
		$\Delta = 96^\circ$.	$h = 145$ km. Mariana Islands. $H = 06\ 10\ 44.8$.
		5 <i>e(SS)·Z</i>	03 12
		<i>eL·NE</i>	04 04
		$\Delta = 157^\circ$.	$h = 33$ km. Macquarie Island. $H = 02\ 28\ 41.2$.
		5 <i>eL·N</i>	07 00
		$\Delta = 45^\circ$.	Sinkiang. $H = 06\ 34\ 30.7$.
		6 <i>eL·NE</i>	16 39
		$\Delta = 63^\circ$.	Ascension Island. $H = 16\ 08\ 20.8$.
		6 <i>ePKP·Z</i>	22 28 50
		<i>iPKP·Z'</i>	28 52 (C)
		<i>iPKP·Z</i>	28 53 -
		<i>e·Z</i>	29 14
		<i>ePKS·Z</i>	31 52
		<i>iPP·Z</i>	32 12 ^{1/2}
		<i>e·N</i>	34 47
		<i>e(SKKS)·NE</i>	38 44
		<i>e·N</i>	41.8
		<i>e(PS)·Z</i>	43.7
		<i>M·ZNE</i>	23 30 23 ^s , $ZN: 27\ \mu$, $E: 21\ \mu$.
		$\Delta = 141^\circ$.	$h = 27$ km. Loyalty Islands. $H = 22\ 09\ 29.4$.

July.	
12 <i>eL·NE</i>	02 ^h 59 ^m $\Delta = 17^\circ$. Greece. $H = 02\ 48\ 48.0$.
13 <i>e·N</i>	22 05.0 <i>eS·NE</i> 07.1 <i>eL·N</i> 25 $\Delta = 82^\circ$. $h = 33$ km. Formosa. $H = 21\ 44\ 33.4$.
15 <i>eL·N</i>	01 04 $\Delta = 89^\circ$. Luzon. $H = 00\ 17\ 53.5$.
16 <i>iPKP·ZZ'</i>	14 21 09 <i>eL·ZNE</i> 15 19 $\Delta = 144^\circ$. $h = 15$ km. Loyalty Islands. $H = 14\ 01\ 35.8$.
16 <i>eL·ZN</i>	21 50 $\Delta = 70^\circ$. Kurile Islands. $H = 21\ 08\ 45.6$.
17 <i>eP·Z</i>	01 13 53 <i>ePP·Z</i> 17.2 <i>eS·NE</i> 24.6 <i>eL·ZNE</i> 46 $\Delta = 87^\circ$. $h = 40$ km. Mexico. $H = 01\ 01\ 09.7$.
17 <i>eP·Z'</i>	05 21 08 <i>eS·E</i> 27 23 $\Delta = 41^\circ$. $h = 16$ km. Iran. $H = 05\ 13\ 21.3$.
17 <i>iP·Z'</i>	15 01 09 <i>D</i> <i>eL·ZNE</i> 15 $\Delta = 41^\circ$. $h = 64$ km. Kirghiz. $H = 14\ 53\ 30.9$.
17 <i>eiP·Z'</i>	16 32 19 ^{1/2} <i>i·Z'</i> 32 28 ^{1/2} <i>eS·N</i> 42 17 <i>e(Q)·E</i> 53.9 <i>eL·NE</i> 17 01 $\Delta = 78^\circ$. $h = 51$ km. Honshu. $H = 16\ 20\ 19.1$.
18 <i>iP·Z'ZNE</i>	14 15 50 <i>D</i> to North-east. <i>i·Z</i> 16 20 <i>i·Z</i> 17 00 <i>iPP·Z</i> 18 56 <i>iS·E</i> 25 55 + <i>iPS·E</i> 26 42 <i>iSS·N</i> 31 23 <i>eR·NE</i> 43 <i>M·ZNE</i> 56 17 ^s , $ZN: 105\ \mu$, $E: 145\ \mu$. $\Delta = 80^\circ$. $h = 21$ km. Ryukyu Islands. $H = 14\ 03\ 36.5$.
18 <i>iP·Z'</i>	14 46 13 <i>D</i> $\Delta = 80^\circ$. $h = 33$ km. Ryukyu Islands. $H = 14\ 34\ 03.1$.
18 <i>eiP·Z'</i>	15 28 24 <i>i(PcP)·Z'</i> 28 35 $\Delta = 80^\circ$. $h = 35$ km. Ryukyu Islands. $H = 15\ 16\ 12.5$.

July.	
18 <i>eiP·ZZ'</i>	19 ^h 41 ^m 22 ^s <i>eL·NE</i> 20 12 $\Delta = 80^\circ$. $h = 33$ km. Ryukyu Islands. $H = 19\ 29\ 07.5$.
18 <i>eP·Z</i>	21 35 55 <i>e(S)·E</i> 44.1 $\Delta = 54^\circ$. $h = 43$ km. Socotra Island. $H = 21\ 26\ 30.5$.
18 <i>iP·ZZ'</i>	23 54 49 <i>eL·NE</i> 24 25 $\Delta = 80^\circ$. $h = 39$ km. Ryukyu Islands. $H = 23\ 42\ 36.5$.
19 <i>eL·NE</i>	06 15 $\Delta = 80^\circ$. Ryukyu Islands. $H = 05\ 29\ 59.3$.
19 <i>eP·Z</i>	06 45 33 <i>eS·NE</i> 55 39 <i>eL·NE</i> 07 16 $\Delta = 80^\circ$. $h = 27$ km. Ryukyu Islands. $H = 06\ 33\ 18.1$.
19 <i>eiP·Z'</i>	10 47 58 <i>eL·NE</i> 11 19 $\Delta = 80^\circ$. $h = 20$ km. Ryukyu Islands. $H = 10\ 35\ 41.4$.
19 <i>eL·NE</i>	10 51 $\Delta = 20^\circ$. Greece. $H = 10\ 39\ 27$.
19 <i>iP·ZZ'</i>	12 10 57 $Z': (+)$, $Z: (-)$. <i>eS·NE</i> 21 04 <i>eL·NE</i> 43 $\Delta = 80^\circ$. $h = 31$ km. Ryukyu Islands. $H = 11\ 58\ 43.7$.
19 <i>eP·ZN</i>	23 05 16 (<i>D</i>) to South. <i>eiP·Z'</i> 05 18 <i>iPP·Z'</i> 05 31 <i>e·Z</i> 08 39 8 ^s . <i>iS·E</i> 08 49 - <i>i(S)·N</i> 09 01 <i>eL·E</i> 11.6 <i>eL·ZN</i> 12 $\Delta = 19^\circ$. $h = 37$ km. Ionian Sea. $H = 23\ 00\ 56.7$.
20 <i>eiP·Z'</i>	03 16 54 <i>eL·N</i> 50 $\Delta = 80^\circ$. $h = 33$ km. Ryukyu Islands. $H = 03\ 04\ 42.8$.
20 <i>e(S)·E</i>	07 13.8 <i>eL·N</i> 35 $\Delta = 93^\circ$. $h = 37$ km. Leyte. $H = 06\ 47\ 43.4$.
20 <i>eL·NE</i>	09 48 $\Delta = 79^\circ$. Ryukyu Islands. $H = 09\ 02\ 44.9$.
20 <i>eL·E</i>	15 52 $\Delta = 141^\circ$. $h = 570$ km. Fiji Islands. $H = 15\ 10\ 26.7$.
20 <i>eiP·Z'</i>	15 45 16 Near shock.

July.	
21 <i>eL·E</i>	04 ^h 49 ^m $\Delta = 32^\circ$. Azores. $H = 04\ 32\ 28.2$.
21 <i>iP·ZZ'</i>	19 03 04 ^{1/2} <i>eL·NE</i> 20 $\Delta = 80^\circ$. $h = 33$ km. Ryukyu Islands. $H = 18\ 50\ 54.7$.
21 <i>eS·N</i>	23 02.1 <i>eL·NE</i> 25 $\Delta = 80^\circ$. $h = 32$ km. Ryukyu Islands. $H = 22\ 39\ 53.2$.
22 <i>eL·N</i>	21 15 $\Delta = 41^\circ$. Kirghiz. $H = 20\ 53\ 30.0$.
23 <i>ePKP·Z</i>	14 23 06 <i>ePKS·E</i> 26 46 <i>ePPS·Z</i> 38 39 <i>e·N</i> 45 57 <i>eL·ZE</i> 15 06.2 10 ^s $\Delta = 138^\circ$. $h = 44$ km. New Hebrides Islands. $H = 14\ 03\ 39.8$.
23 <i>ePP·Z</i>	14 56 45 $\Delta = 108^\circ$. $h = 33$ km. Pacific Ocean. $H = 14\ 37\ 56.9$.
23 <i>eL·N</i>	16 39 $\Delta = 139^\circ$. New Hebrides Islands. $H = 15\ 30\ 17.2$.
23 <i>eP·Z</i>	22 07 42 <i>ePKP·ZNE</i> 10 22 <i>D</i> to East. 11 ^s , $Z: 16\ \mu$. <i>i·Z</i> 11 25 <i>e·E</i> 13 22 <i>i·ZE</i> 13 26 <i>iPKS·NE</i> 14 11 <i>i(PPP)·Z</i> 16 17 <i>eSKSP·E</i> 23 37 <i>i·E</i> 24 58 <i>iPPS·Z</i> 25 39 - <i>e·E</i> 26 58 <i>i·ZN</i> 27 04 <i>iSS·N</i> 31 35 <i>iSSP·E</i> 32 17 22 ^s <i>e·N</i> 33 24 <i>e·E</i> 35.5 <i>e(SSS)·N</i> 36 33 <i>e·N</i> 37 04 <i>eR·Z</i> 56 20 ^s . ZNE 23 12 $Z: 82\ \mu$, $N: 41\ \mu$, $E: 70\ \mu$. $\Delta = 139^\circ$. $h = 44$ km. New Hebrides Islands. $H = 21\ 51\ 07.5$. $M(L) = 7.6$ (<i>COP</i>).
24 <i>iPKP·Z'</i>	01 49 26 ^{1/2} (<i>C</i>) $\Delta = 144^\circ$. $h = 598$ km. Fiji Islands. $H = 01\ 30\ 56.6$.
25 <i>eL·NE</i>	19 33 $\Delta = 103^\circ$. Celebes. $H = 18\ 39\ 24.1$.
27 <i>eL·E</i>	18 48 $\Delta = 22^\circ$. Crete. $H = 18\ 35\ 44.2$.

July.	
27 <i>eL·ZNE</i>	24 ^h 30 ^m $\Delta = 52^\circ$. Lake Baikal. $H = 23\ 59\ 26.9$.
28 <i>eP·Z'ZE</i>	01 18 24 ^{1/2} (<i>C</i>) <i>ipP·Z</i> 19 00 <i>iPP·Z</i> 22 01 <i>ipPP·Z</i> 22 37 <i>iSKS·E</i> 28 44 +, 8 ^s , 6 μ . <i>iS·E</i> 29 14 -, 8 ^s , 14 μ . <i>e(pS)·N</i> 30 00 <i>e(SP)·E</i> 30 20 <i>e(sSP)·E</i> 31 17 <i>e(SS)·E</i> 35 39 $\Delta = 91^\circ$. $h = 136$ km. Ecuador. $H = 01\ 05\ 30.0$.
28 <i>i(PKP)·Z'</i>	05 14 21 <i>C</i> $\Delta = 138^\circ$. $h = 50$ km. New Hebrides Islands. $H = 04\ 54\ 55.1$.
28 <i>ePKP·Z</i>	06 31 16 <i>iPKS·Z</i> 34 36 ^{1/2} <i>e(SKs)·Z</i> 38 40 <i>e·N</i> 43 27 $\Delta = 138^\circ$. $h = 41$ km. New Hebrides Islands. $H = 06\ 11\ 38.7$.
28 <i>eL·NE</i>	10 51 $\Delta = 90^\circ$. Mexico. $H = 10\ 13\ 51.1$.
28 <i>iP·Z'</i>	15 31 14 Confused by microseisms. <i>i·Z'</i> 31 26 <i>eL·NE</i> 16 02 $\Delta = 74^\circ$. $h = 34$ km. Hokkaido. $H = 15\ 19\ 40.0$.
29 <i>ePKP·Z</i>	16 47 01 <i>eiPKP·Z'</i> 47 04 <i>eL·N</i> 17 47 $\Delta = 148^\circ$. $h = 23$ km. Tonga Islands. $H = 16\ 27\ 19.0$.
30 <i>eL·E</i>	17 00 $\Delta = 19^\circ$. Aegean Sea. $H = 16\ 34.5$.
August.	
1 <i>ePKP·Z</i>	05 59 04 <i>ePP·Z</i> 06 01 01 <i>eL·E</i> 34 $\Delta = 128^\circ$. $h = 50$ km. Solomon Islands. $H = 05\ 39\ 53.2$.
1 <i>ePP·Z</i>	07 41 02 Confused by previous shock. <i>eL·ZNE</i> 08 22 $\Delta = 116^\circ$. $h = 44$ km. South Sandwich Islands. $H = 07\ 21\ 12.3$.
1 <i>eL·ZNE</i>	10 36 $\Delta = 117^\circ$. South Sandwich Islands. $H = 09\ 34\ 40.7$.
2 <i>eL·N</i>	03 34 $\Delta = 116^\circ$. South Sandwich Islands. $H = 02\ 31\ 28.9$.

August.	
2	<i>iP·Z'</i> 12 ^h 23 ^m 34 ^s (D) $\Delta = 74^\circ$, $h = 38$ km. Kurile Islands. $H = 1$ 12 02.0.
3	<i>iP·Z'</i> 03 18 58 ^{1/2} (C) <i>eS·N</i> 27 53 <i>e(ScS)·NE</i> 28 51 $\Delta = 68^\circ$, $h = 132$ km. Puerto Rico. $H = 03$ 08 05.1.
3	<i>eL·N</i> 07 48 $\Delta = 108^\circ$. Ceram. $H = 06$ 51 41.1.
3	<i>eL·NE</i> 24 25 $\Delta = 101^\circ$. Mariana Islands. $H = 23$ 33 37.7.
4	<i>eL·E</i> 18 49 $\Delta = 40^\circ$. North Atlantic Ocean. $H = 18$ 35 20.8.
4	<i>eL·NE</i> 23 30 $\Delta = 73^\circ$. Kurile Islands. $H = 22$ 52 54.0.
7	<i>ePP·Z</i> 04 40 (30) <i>e·E</i> 47.1 <i>e(SKS)·NE</i> 48.1 <i>eL·N</i> 05 16 $\Delta = 103^\circ$. $h = 18$ km. Celebes. $H = 04$ 22 20.5.
7	<i>eL·NE</i> 11 36 $\Delta = 102^\circ$. Celebes. $H = 10$ 43 21.
7	<i>iPKP·Z'</i> 12 42 48 Confused by microseisms. <i>eSS·E</i> 13 05 32 <i>eL·N</i> 46 $\Delta = 152^\circ$. $h = 33$ km. Kermadec Islands. $H = 12$ 22 24.2.
7	<i>eL·NE</i> 16 35
8	<i>e(PKP)·Z</i> 00 38 25 <i>eL·ZNE</i> 02 00 $\Delta = 152^\circ$. $h = 33$ km. Kermadec Islands. $H = 00$ 18 52.3.
8	<i>iP·Z'Z</i> 12 29 55 ^{1/2} D to North. <i>i·Z</i> 30 29 ^{1/2} <i>iS·N</i> 39 28 <i>eSS·N</i> 44.0 <i>eL·N</i> 54 $\Delta = 73^\circ$. $h = 33$ km. Fox Islands. $H = 12$ 18 23.1.
9	<i>eL·N</i> 17 21 $\Delta = 139^\circ$. New Hebrides Islands. $H = 16$ 02 35.5.
10	<i>eL·NE</i> 12 45 $\Delta = 73^\circ$. Hokkaido. $H = 12$ 05 29.8.
11	<i>eL·NE</i> 01 22 $\Delta = 66^\circ$. Commander Islands. $H = 00$ 43 29.6.
11	<i>eL·ZNE</i> 05 16 $\Delta = 78^\circ$. Kyushu. $H = 04$ 27 23.3.

August.	
11	<i>eL·NE</i> 06 ^h 50 ^m $\Delta = 78^\circ$. Kyushu. $H = 06$ 08 16.7.
11	<i>eL·N</i> 11 55 $\Delta = 102^\circ$. Celebes. $H = 11$ 04 39.1.
11	<i>iIP·Z'ZNE</i> 16 03 06 ^{1/2} C from North-east. $Z: 7^s, 34 \mu$. <i>i·Z</i> 03 31 <i>i(PP)·Z</i> 05 40 <i>iPPP·N</i> 07 31 <i>i·Z</i> 08 43 10 ^s <i>i·ZN</i> 12 28 $Z: -, N: +$. <i>iIS·NE</i> 12 33 ^{1/2} $N: -, E: +$. <i>iI(SKS)·N</i> 13 09 <i>i(PS)·Z</i> 13 21 <i>iI·E</i> 13 25 <i>iI(PPS)·N</i> 13 31 <i>i·E</i> 14 13 <i>iSS·E</i> 17 21 <i>i·E</i> 17 49 <i>i·E</i> 18 16 <i>i·E</i> 19 10 <i>e·E</i> 19 50 <i>iSSS·E</i> 20 33 <i>i·E</i> 23 51 <i>eL·NE</i> 26 20 ^s . ZNE 38 $Z: 130 \mu, N: 94 \mu, E: (110) \mu$. $\Delta = 74^\circ$. $h = 50$ km. Hokkaido. $H = 15$ 51 34.6. $M(L) = 7.3$ (COP).
11	<i>eP·Z'</i> 22 51 35 <i>ePP·Z</i> 55 (37) <i>ePPP·Z</i> 57 41 <i>eSKS·NE</i> 23 02 05 <i>eS·NE</i> 03 12 <i>ePS·ZE</i> 04 40 <i>eSS·N</i> 10 09 <i>e·N</i> 12 41 <i>e·N</i> 15 40 <i>eL·NE</i> 31 $\Delta = 103^\circ$. $h = 33$ km. Celebes. $H = 22$ 37 24.7.
11	<i>eiP·Z'</i> 23 23 15 $\Delta = 74^\circ$. $h = 95$ km. Honshu. $H = 23$ 11 48.2.
11	<i>iP·ZZ'</i> 23 45 23 C <i>i·Z'</i> 45 35 <i>i(PcP)·Z'</i> 45 47 $\Delta = 74^\circ$. $h = 50$ km. Hokkaido. $H = 23$ 33 52.2.
13	<i>eL·NE</i> 06 45 $\Delta = 80^\circ$. Formosa. $H = 06$ 01 01.8.
14	<i>ePKP·Z</i> 19 10 35 <i>i·Z</i> 10 41 ^{1/2} <i>eL·N</i> 20 10 $\Delta = 148^\circ$. $h = 70$ km. Tonga Islands. $H = 18$ 50 55.3.

August.	
14	<i>eL·NE</i> 22 ^h 46 ^m $\Delta = 78^\circ$. Kyushu. $H = 22$ 04 59.7.
14	<i>ePKP·Z</i> 23 48 02 <i>iPP·Z</i> 51 06 ^{1/2} <i>ePKS·NE</i> 51 49 <i>iPPP·Z</i> 54 10 <i>e(SS)·E</i> 24 10 33 <i>e(SSS)·N</i> 15 (04) 21 ^s <i>e·N</i> 26 (16) 21 ^s <i>eL·NE</i> 32 $\Delta = 141^\circ$. $h = 97$ km. New Hebrides/Loyalty Islands. $H = 23$ 28 46.5.
15	<i>iP·ZZ'</i> 19 16 16 D <i>eS·NE</i> 26 27 <i>e·N</i> 28 30 <i>e(SS)·N</i> 31 43 <i>e(SSS)·NE</i> 36 00 <i>eL·NE</i> 48 $\Delta = 82^\circ$. $h = 39$ km. Honshu. $H = 19$ 03 55.7.
16	<i>eS·N</i> 16 37 02 <i>eSS·N</i> 41 42 <i>eL·ZN</i> 51 $\Delta = 73^\circ$. $h = 25$ km. Ascension Island. $H = 16$ 15 57.5.
17	<i>eL·ZE</i> 07 46 $\Delta = 135^\circ$. Easter Island. $H = 06$ 36 23.0.
17	<i>iP·Z'ZNE</i> 21 27 38 D to North-east. $Z: 6^s, 7 \mu$. <i>iPcP·Z'</i> 27 57 <i>ipP·Z</i> 28 17 <i>i(PP)·Z'</i> 30 09 ^{1/2} <i>ipPP·Z'</i> 30 59 <i>iPPP·N</i> 32 06 <i>epPPP·N</i> 32 41 <i>iPPPP·Z</i> 33 13 <i>eS·N</i> 36 44 <i>eScS·N</i> 37 14 <i>i(pS)·E</i> 37 28 8 ^s , 4 ^{1/2} μ . <i>epScS·E</i> 38 19 <i>i(sScS)·N</i> 38 41 <i>isSS·E</i> 42 35 10 ^s , 5 μ . <i>eL·NE</i> 45 $\Delta = 72^\circ$. $h = 160$ km. Kurile Islands. $H = 21$ 16 30.1.
19	<i>iP·Z'</i> 02 54 33 <i>eL·N</i> 03 26 $\Delta = 74^\circ$. $h = 32$ km. Hokkaido. $H = 02$ 42 58.2.
19	<i>iP·Z'ZNE</i> 05 22 10 ^{1/2} D to South-west. $Z: 8^s, 10 \mu$. <i>iI·Z'</i> 22 12 <i>ipP·Z</i> 24 22 ^{1/2} <i>e(sP)·Z</i> 25 17 <i>iPP·Z</i> 26 08 <i>e(PPP)·Z</i> 28 59 <i>e·Z</i> 31 03

August.	
19	<i>eSKS·N</i> 05 ^h 31 ^m 48 ^s -. (Con.). <i>iISKS·E</i> 31 49 +. <i>i·Z</i> 32 28 <i>iIS·NE</i> 32 35 $N: -, E: -$. <i>iISP·Z</i> 33 53 10 ^s , 16 μ . <i>i·E</i> 34 02 <i>e·Z</i> 34 34 11 ^s , 14 μ . <i>epS·N</i> 35 10 <i>iPS·Z</i> 35 15 <i>iI·E</i> 35 25 <i>iI(PPS)·E</i> 36 04 <i>is·NE</i> 36 30 <i>e(sPS)·E</i> 37 41 <i>i·E</i> 38 41 <i>iISS·E</i> 39 10 <i>iI·E</i> 39 32 <i>i·E</i> 40 20 <i>iSSP·N</i> 41 03 <i>i(SSS)·N</i> 41 42 <i>e(sSS)·N</i> 42 25 <i>eL·E</i> 43 $\Delta = 95^\circ$. $h = 649$ km. Peru/Brazil. $H = 05$ 09 49.5. $M(P) = 7.2$ (COP).
19	<i>ei(P)·Z'</i> 05 24 27 } Aftershocks of Peru/Brazil earthquake?
19	<i>ei(P)·Z'</i> 05 28 04 } Aftershocks of Peru/Brazil earthquake?
19	<i>iP·Z'</i> 05 29 52 Peru/Brazil aftershock. $H = 05$ 17.5.
19	<i>iP·Z'</i> 05 32 02 ^{1/2} } Aftershocks of Peru/Brazil earthquake?
19	<i>iP·Z'</i> 05 39 01 } Aftershocks of Peru/Brazil earthquake?
19	<i>iP·Z'Z</i> 05 45 25 ^{1/2} C <i>iS·N</i> 55 15 <i>iI·E</i> 55 19 $\Delta = 76^\circ$. $h = 17$ km. Honshu. $H = 05$ 33 30.6.
19	<i>eL·E</i> 12 14 $\Delta = 16^\circ$. Italy. $H = 12$ 04.4.
19	<i>eL·NE</i> 14 06 $\Delta = 76^\circ$. Honshu. $H = 13$ 24 11.8.
19	<i>iP·Z'</i> 15 03 34 ^{1/2} (D) <i>eS·NE</i> 12 42 <i>eL·N</i> 31 $\Delta = 70^\circ$. $h = 100$ km. Mona Passage. $H = 14$ 52 29.7.
20	<i>iPKP·Z'</i> 05 22 40 ^{1/2} (C) $\Delta = 141^\circ$. $h = 592$ km. Fiji Islands. $H = 05$ 04 14.3.
21	<i>iP·Z</i> 17 12 10 Willmore. (No Z' record). <i>eL·NE</i> 40 $\Delta = 74^\circ$. Honshu. $H = 17$ 00 38.9.

August.

22 *eL·NE* 10^h15^m
 $\Delta = 133^\circ$. New Hebrides Islands. $H = 08\ 59\ 27.9$.

23 *iP·Z* 04 20 18 (C) Willmore. (No *Z'* record).
eL·ZNE 31
 $\Delta = 40^\circ$. $h = 25$ km. Tadzhih. $H = 04\ 12\ 35.9$.

24 *eP·Z* 22 52 26 Willmore. (No *Z'* record).
 $\Delta = 74^\circ$. $h = 45$ km. Hokkaido. $H = 22\ 40\ 54.6$.

27 *eP·Z'Z* 02 03 29
eL·NE 31
 $\Delta = 74^\circ$. $h = 49$ km. Ascension Island. $H = 01\ 51\ 51.8$.

27 *iP·Z'Z* 16 33 38 C
i·Z 33 45
eS·N 43 02
ePS·Z 43 41
eL·E 58
 $\Delta = 72^\circ$. $h = 45$ km. Kurile Islands. $H = 16\ 22\ 12.8$.

27 *iP·Z'* 21 07 46 (C)
 $\Delta = 73^\circ$. $h = 51$ km. Kurile Islands. $H = 20\ 56\ 20.9$.

27 *iP·Z'Z* 22 13 33 (D) *Z'*: -, *Z*: +.
iS·E 17 27
eSS·E 17 52
eL·NE 21
 $\Delta = 21^\circ$. $h = 33$ km. Crete. $H = 22\ 08\ 45.2$.

28 *iP·Z'* 12 25 18^{1/2} D
 $\Delta = 72^\circ$. $h = 45$ km. Kurile Islands. $H = 12\ 13\ 50.6$.

29 *eP·Z'* 15 02 39
eL·ZN 28
 $\Delta = 70^\circ$. $h = 41$ km. Fox Islands. $H = 14\ 51\ 14.2$.

29 *iP·Z'* 20 01 25^{1/2}
 $\Delta = 72^\circ$. $h = 17$ km. Kurile Islands. $H = 19\ 49\ 52.9$.

30 *eL·NE* 04 03
 $\Delta = 62^\circ$. Atlantic Ocean. $H = 03\ 35\ 02.7$.

31 *iPKP·Z'* 00 42 38 (D)
 $\Delta = 152^\circ$. $h = 56$ km. Kermadec Islands. $H = 00\ 22\ 47.3$.

31 *iP·Z'Z* 02 00 59 D *Z*: 5^s, 4 μ .
i1·Z' 01 00
ipP·Z 03 08 +, 7^s, 4 μ .
ipP·Z'Z 04 58 *Z*: 4^s, 2 μ .
i·Z 07 50 6^s, 3 μ .
iSKS·NE 10 39
iS·N 11 22 -.
i1·E 11 24 -, 7^s, 16 μ .
iPS·E 14 09
iSS·N 18 11
iSSS·Z 22 12
 $\Delta = 95^\circ$. $h = 626$ km. Peru/Brazil. $H = 01\ 48\ 37.5$.
 $M(P) = 6.8$ (COP).

August.

31 *iP·Z'* 02^h09^m27^s C
i1P·Z 09 30 D 6^s, 8 μ .
i1·Z 09 34
i·Z' 10 05
i1pP·Z 11 44 -, 6^s, 9 μ .
i·Z' 12 23
iPP·Z' 13 22
i(pPP)·Z 15 35
i1SKS·E 19 09 7^s, 39 μ .
i1S·ZNE 19 55 *Z*: -, 10^s, 19 μ . In time break.
i1SP·E 21 06 8^s, 26 μ .
i1PS·E 22 35
i1SS·NE 26 38 9^s
 $\Delta = 95^\circ$. $h = 629$ km. Peru/Brazil. $H = 01\ 57\ 08$.
 $M(P) = 7.2$ (COP).

31 *i(P)·Z'* 02 26 20
i1·Z' 26 26
 Peru/Brazil aftershock?

31 *e(P)·Z'* 02 34 25
i·Z' 34 37
 Peru/Brazil aftershock?

September.

1 *eP·Z* 00 24 30
ePKP·Z' 28 11 (C)
ipP·Z 29 23
iPPP·Z 32 09
iSKS·N 34 51
iS·E 37 24 -, 12^s, 7 μ .
iSP·E 39 08
ePS·N 39 19 12^s, 12 μ .
iPPS·Z 40 28
eSS·E 45 41 16^s, 10 μ .
e·E 49 11
eSSS·E 50 00 18^s, 12 μ .
 $\Delta = 119^\circ$. $h = 131$ km. South Sandwich Islands.
 $H = 00\ 09\ 34.6$.

1 *e(PKP)·Z* 00 38 23
 South Sandwich Islands Aftershock?

1 *eP·Z'Z* 19 03 20
i·ZE 03 21 *ZE*: -.
eSKS·E 13 48
eL·E 32
 $\Delta = 87^\circ$. $h = 37$ km. Guatemala. $H = 18\ 50\ 35.4$.

2 *iP·Z'* 00 37 34 C
 $\Delta = 72^\circ$. $h = 39$ km. Fox Islands. $H = 00\ 26\ 06.2$.

3 *iP·Z'* 17 40 27
 $\Delta = 68^\circ$. $h = 33$ km. Kamchatka. $H = 17\ 29\ 25.2$.

4 *iP·Z'* 03 29 (01) Confused by time mark.
 $\Delta = 83^\circ$. 492 km. Honshu. $H = 03\ 17\ 24.6$.

September.

4 *iP·Z'* 05^h04^m43^s D
 $\Delta = 72^\circ$. $h = 60$ km. Kurile Islands. $H = 04\ 53\ 19.2$.

4 *iP·Z'Z* 10 00 39
eL·ZNE 26
 $\Delta = 72^\circ$. $h = 40$ km. Andreevanof Islands. $H = 09\ 49\ 13.5$.

5 *eL·ZNE* 01 29
 $\Delta = 18^\circ$. Greece. $H = 01\ 16\ 51.7$.

5 *eP·Z* 02 43.0
eS·N 47 33
eL·ZNE 50
 $\Delta = 25^\circ$. $h = 33$ km. Spitsbergen. $H = 02\ 37\ 37.8$.

5 *iP·Z'Z* 06 20 52 (D)
ipP·Z' 21 23
ipP·ZE 22 40
iPPP·Z 23 18
eS·E 27 12
esS·N 28 05
eSS·N 30 27
 $\Delta = 43^\circ$. $h = 104$ km. Tadzhih. $H = 06\ 12\ 59.7$.

5 *iP·Z'ZN* 11 45 20 C from North.
ipP·Z 47 39
e(S)·E 53 44
i(S)·E 54 05
i(ScS)·E 55 22
eL·NE 12 09
 $\Delta = 64^\circ$. $h = 43$ km. Alaska. $H = 11\ 34\ 37.3$.

8 *eL·ZNE* 05 30
 $\Delta = 68^\circ$. Queen Charlotte Islands. $H = 04\ 52\ 08.6$.

8 *eP·Z* 11 41 22
ipP·Z 41 46 +.
iPKP·Z 45 07 -.
ipPKP·Z 45 34 -.
ipP·ZN 46 10 *ZN*: -.
ipPP·ZE 46 30 *ZE*: -.
isPP·Z 46 59 -.
iPPP·ZN 48 39 *ZN*: -.
iSKS·N 51 44 -, 10^s, 10 μ .
i(SKKS)·N 52 25
i(sSKS)·NE 53 02 *NE*: +, 12^s, *N*: 19 μ , *E*: 12 μ .
e(PKKP)·ZN 55 23
i(PKKP)·Z 55 35 -.
i1PS·ZN 55 51 *ZN*: -, 8^s, *Z*: 29 μ , *N*: 22 μ .
i1PS·E 55 57 +, 8^s, 12 μ .
iSS·NE 12 02 00
iSSP·N 02 28
isSS·N 02 51
iSSS·NE 06 29 14^s, *N*: 15 μ , *E*: 20 μ .
isSSS·E 07 14
eL·E 15
20^s·ZNE 31 *Z*: 58 μ , *N*: 77 μ , *E*: 42 μ .
 $\Delta = 116^\circ$. $h = 125$ km. South Sandwich Islands.
 $H = 11\ 26\ 32.9$. $M(L) = 7.5$ (COP).

September.

10 *e·N* 09^h09.9^m
M·ZNE 17.6 *Z*: 12^s, 8 μ . *N*: 10^s, 6 μ .
E: 11^s, 3^{1/2} μ .
 $\Delta = 24^\circ$. Novaya Zemlya. Nuclear explosion.
 $H = 09\ 00\ 09.2$.

10 *eL·NE* 16 33
 $\Delta = 24^\circ$. Turkey. $H = 16\ 17\ 20$.

10 *iPKP·Z'* 18 28 42
 $\Delta = 151^\circ$. $h = 152$ km. Kermadec Islands. $H = 18\ 09\ 07.3$.

11 *iP·Z'* 02 58 15 D
eL·NE 03 32
 $\Delta = 72^\circ$. $h = 60$ km. Rat Islands. $H = 02\ 46\ 50.3$.

11 *eiP·Z'* 23 58 52
 $\Delta = 74^\circ$. $h = 49$ km. Hokkaido. $H = 23\ 47\ 23.1$.

12 *eS·NE* 10 17.9
M·E 25.6 10^s, 2 μ .
M·ZN 25.7 *ZN*: 10^s, 3^{1/2} μ .
 $\Delta = 24^\circ$. Novaya Zemlya. Nuclear explosion.
 $H = 10\ 08\ 15.3$.

12 *iP·Z'* 12 38 39 D
eL·E 13 08
 $\Delta = 74^\circ$. $h = 50$ km. Kurile Islands. $H = 12\ 27\ 07.6$.

12 *eL·N* 20 01
 $\Delta = 81^\circ$. California/Mexico. $H = 19\ 18\ 42.9$.

12 *eL·ZNE* 20 34
 $\Delta = 120^\circ$. South Sandwich Islands. $H = 19\ 29\ 09.2$.

13 *eL·NE* 22 21
 $\Delta = 122^\circ$. Chile. $H = 21\ 19\ 19.9$.

14 *iP·Z'* 08 09 44 C
 $\Delta = 33^\circ$. $h = 33$ km. Iran/Iraq. $H = 08\ 03\ 08.7$.

14 *M·ZNE* 10 13.7 10^s, *Z*: 3^{1/2} μ , *N*: 4 μ , *E*: 1^{3/4} μ .
 $\Delta = 24^\circ$. Novaya Zemlya. Nuclear explosion.
 $H = 09\ 56\ 16.7$.

15 *iP·ZNE* 01 51 36 C from South-east, 6^s, *Z*: 4^{1/2} μ ,
NE: 2 μ .
iP·Z' 51 37 D
ipP·Z' 51 45^{1/2}
i·Z 51 50
eS·N 55 58
i·Z 56 18 8^s, 4 μ .
i·E 56 26 9^s, 6 μ .
e·E 57 32
e·N 59 22
 $\Delta = 25^\circ$. $h = 36$ km. Cyprus. $H = 01\ 46\ 09.9$.
 $M(P) = 6.2$ (COP).

September.

16	e·Z	09 ^h 23.8 ^m	
	e·E	24.6	
	e·E	25.6	Confused by microseisms.
	M·ZN	25.7	ZN: 10 ^s , 2 ³ / ₄ μ.
	M·E	26.5	6 ^s , 2 μ.
	Δ = 24°. Novaya Zemlya. Nuclear explosion.		
	H = 09 08 13.7.		
17	iP·Z'	08 54 08 (C)	
	eL·NE	09 25	
	Δ = 80°. h = 53 km. Formosa. H = 08 41 57.3.		
18	eL·E	05 23	Confused by microseisms.
	Δ = 23°. Crete. H = 05 08 31.9.		
18	e·N	08 15.2	
	e·E	15.8	
	M·ZNE	17.1	10 ^s , Z: 3 ¹ / ₂ μ, N: 2 ³ / ₄ μ, E: 2 ¹ / ₄ μ.
	Δ = 24°. Novaya Zemlya. Nuclear explosion.		
	H = 07 59 36.8.		
18	eP·Z'	11 06 58	
	i·Z'	06 58 ¹ / ₂ +	
	i(ScS)·ZN	17 35	
	eL·ZNE	18	
	Δ = 28°. h = 55 km. Caspian Sea. H = 11 01 04.5.		
19	iP·Z'	02 38 32 D	
	i·Z'	38 36	
	ePP·Z	42 39	
	eSKS·NE	48 16	
	i·E	48 21	6 ^s , 3 μ.
	e(SKKS)·E	48 46	
	iS·N	49 15	
	ePS·E	51 58	
	Δ = 98°. h = 580 km. Bolivia. H = 02 25 49.2.		
19	eP·Z'Z	09 59 05	
	e(S)·E	10 09 38	
	i(ScS)·NE	09 52	
	i(SP)·N	10 14	
	eL·ZNE	25	
	Δ = 87°. h = 33 km. Panama. H = 09 46 17.7.		
19	iPKP·Z'	18 44 00 C	
	Δ = 145°. h = 592 km. Fiji Islands. H = 18 25 28.9.		
19	eL·ZNE	22 40	
	Δ = 119°. South Sandwich Islands. H = 21 34 42.3.		
20	e·E	08 28.6	
	M·ZNE	29.7	10 ^s , Z: 2 ³ / ₄ μ, N: 2 ¹ / ₂ μ, E: 1 ¹ / ₂ μ.
	Δ = 24°. Novaya Zemlya. Nuclear explosion.		
	H = 08 12 09.		
20	ePP·Z	19 23 38	
	ePS·Z	33 19	
	ePPS·Z	34 41	

September.

20	eSS·N	19 ^h 39 ^m 48 ^s (Con.)	
	eSSS·E	44 27	
	eL·E	20 00	
	Δ = 118°. h = 44 km. New Britain. H = 19 03 37.7.		
22	(e·E)	08 16.5	
	e·N	17.5	
	M·E	18.3	9 ^s , 1 ¹ / ₄ μ.
	M·ZN	18.6	10 ^s , Z: 1 ³ / ₄ μ, N: 1 ¹ / ₄ μ.
	Δ = 24°. Novaya Zemlya. Nuclear explosion.		
	H = 08 00 53.		
24	eiP·Z'	21 53 06	
	eS·NE	22 03.5	
	eL·NE	23	
	Δ = 81°. h = 50 km. Honshu. H = 21 40 57.3.		
24	ei·Z'	06 55 21	Confused by microseisms.
	(Δ = 141°. h = 555 km. Fiji Islands. H = 06 34 05.4).		
27	eiP·Z'	11 32 15	
	Δ = 72°. h = 27 km. Fox Islands. H = 11 20 46.8.		
27	eSS·E	12 43.7	
	eL·ZNE	13 10	
	Δ = 118°. h = 33 km. South Sandwich Islands.		
	H = 12 07 32.6.		
27	i(P)·Z'	17 53 38	
27	iP·Z'	19 32 12 ¹ / ₂	
	Δ = 71°. h = 42 km. Fox Islands. H = 19 20 48.6.		
27	eiP·Z'	19 38 25	
	e(ScS)·N	48 37	
	eL·ZNE	20 09	
	Δ = 71°. h = 22 km. Fox Islands. H = 19 27 00.7.		
28	iP·Z'	03 37 04	
	e(SKKS)·E	46 58	
	eScS·NE	47 25	
	eL·NE	04 09	
	Δ = 83°. h = 41 km. Honshu. H = 03 24 37.7.		
28	iP·Z'	05 08 27	
	Δ = 43°. h = 204 km. Hindu Kush. H = 05 00 43.4.		
28	eL·E	05 47.4	
	Δ = 19°. Turkey. H = 05 35.1.		
28	iP·Z'	22 44 22	
	i·Z'	44 31 ¹ / ₂	
	i·Z'	44 38 ¹ / ₂	
	Δ = 42°. h = 41 km. Iran. H = 22 36 24.7.		
29	iP·Z'	17 02 08 (C)	
	Δ = 74°. h = 45 km. Hokkaido. H = 16 50 35.4.		

September.

29	e·Z	19 ^h 23 ^m 57 ^s	
	ePP·Z	24 29	
	ePPP·Z	26 44	
	e(SKKS)·E	30 58	
	e(PS)·E	34 (04)	
	eSS·N	38 (05)	
	e·N	44 24	
	eL·N	58	
	Δ = 101°. h = 110 km. Celebes. H = 19 06 13.4.		
30	eP·Z'	00 32 51 ¹ / ₂ +	
	i·Z'	32 52 -	
	Δ = 73°. h = 49 km. Kurile Islands. H = 00 21 18.8.		

October.

2	iP·Z'ZN	07 26 16 ¹ / ₂	C from South.
	i·Z'	26 24	
	i·Z'	26 31 ¹ / ₂	
	eS·Z	29 56	
	eS·E	29 59	
	eL·NE	34	
	i(Lg)·ZN	35 14	ZN: -
	M·ZN	35.5	12 ^s , Z: 19 ¹ / ₂ μ, N: 17 ¹ / ₂ μ.
	M·E	35.9	10 ^s , 11 ¹ / ₂ μ.
	Δ = 20°. h = 33 km. Greece. H = 07 21 44.7.		
2	eL·ZNE	08 22	25 ^s
2	e·N	10 47.8	
	M·E	48.2	Confused by microseisms.
	M·N	48.3	10 ^s , 1 μ.
	M·Z	48.6	10 ^s , 1 ¹ / ₄ μ.
	Nuclear explosion, Novaya Zemlya.		
4	eL·N	03 31	
	Δ = 133°. New Hebrides Islands. H = 02 23 23.5.		
4	e·E	07 42.8	
	M·ZNE	48.4	Z: 10 ¹ / ₂ μ, 5 μ, N: 10 ^s , 5 μ, E: 10 ^s , 2 ³ / ₄ μ.
	Δ = 24°. Novaya Zemlya. Nuclear explosion.		
	H = 07 30 54.8.		
5	e(P)·Z	22 47 18	
	eS·NE	57 16	
	eL·NE	23 17	
	Δ = 80°. h = 39 km. Formosa. H = 22 34 58.9.		
6	eP·NE	07 05 28	
	iP·Z	05 33	
	eS·N	09 56	
	eL·E	12.3	
	eL·ZN	14.7	
	M·ZNE	17.6	Z: 11 ^s , 6 ¹ / ₄ μ, N: 10 ^s , 6 ¹ / ₂ μ, E: 11 ^s , 3 ³ / ₄ μ.
	Δ = 24°. Novaya Zemlya. Nuclear explosion.		
	H = 07 00 12.2.		

October.

10	eL·N	18 ^h 23 ^m	
	Δ = 114°. New Guinea. H = 17 24 58.9.		
12	eL·ZNE	07 10	
	(Δ = 116°. New Guinea. H = 06 01 28.6).		
13	iPKP·Z'Z	17 47 41 ¹ / ₂	D Z: 3 ^s , 2 ¹ / ₄ μ.
	i·Z'	47 42 +	
	Δ = 146°. h = 55 km. Tonga Islands. H = 17 28 21.5.		
16	i(P)·Z'	13 27 09 ¹ / ₂	
	i·Z'	27 13 ¹ / ₂	
	i·Z'	27 22	
17	eL·NE	05 28	
	Δ = 111°. Bouvet Island. H = 04 27 31.3.		
17	iP·Z'	13 11 18	
	iS·Z'	11 34	
	Δ = 1 ³ / ₄ °. Bornholm. H = 13 10 47.		
18	ePP·Z	17 11 (48)	
	eSKKS·E	19 (08)	
	eS·N	19 (36)	
	ePS·E	21 41	
	eSS·NE	28.0	
	eL·NE	51	
	Δ = 117°. h = 33 km. Chile. H = 16 51 57.3.		
20	e·N	08 21.8	
	M·ZNE	24.6	Z: 10 ^s , 3 ³ / ₄ μ. N and E confused by microseisms. N: 3 ¹ / ₄ μ, E: 1 ¹ / ₂ μ.
	Δ = 24°. Novaya Zemlya. Nuclear explosion.		
	H = 08 07 02.0.		
22	e(SKKS)·N	10 16.9	
	eL·N	11 02	
	Δ = 142°. h = 65 km. New Hebrides Islands. H = 09 50 30.8.		
23	ePKP·Z	00 27 32	
	ePP·Z	29 05	
	e(SKKS)·N	35 37	
	iPS·Z	39 12	
	iPS·N	39 18	
	i·Z	44 52	
	eSS·N	45.9	
	eL·E	59	
	Δ = 121°. h = 33 km. South Sandwich Islands.		
	H = 00 08 36.6.		
23	e·ZNE	08 43 (41)	
	i·E	47 44 -	
	M·ZNE	48.8	Z: 11 ^s , 15 μ, N: 10 ^s , 14 ¹ / ₂ μ, E: 10 ^s , 8 μ.
	Δ = 24°. Novaya Zemlya. Nuclear explosion. H = 08 31 22.1.		

October.	
23 <i>iP·Z'</i>	10 ^h 36 ^m 00 ^s (D)
<i>i·Z'</i>	36 04 +
<i>i(PP)·Z'</i>	36 23 +
$\Delta = 23^\circ$. Novaya Zemlya. Submarine nuclear explosion. $H = 10\ 30\ 48.5$.	
23 <i>eL·N</i>	15 28
$\Delta = 101^\circ$. Molucca Strait. $H = 14\ 39\ 35.3$.	
25 <i>e·Z</i>	08 47.5
<i>M·E</i>	48.5 (10 ^s), 1 ¹ / ₂ μ
<i>M·Z</i>	48.6 10 ^s , 1 ¹ / ₂ μ
<i>M·N</i>	48.7 (10 ^s), 2 μ
$\Delta = (24^\circ)$. Novaya Zemlya. Nuclear explosion. $H = 08\ 31\ 03$.	
26 <i>ePP·Z</i>	00 58 14
<i>eSKKS·E</i>	01 05 15
<i>iPS·E</i>	08 01
<i>ePPS·Z</i>	09 (11)
<i>eSS·E</i>	14.3
<i>e·E</i>	17 38
<i>e(SSS)·E</i>	19 16
<i>eL·NE</i>	35
$\Delta = 117^\circ$. $h = 33$ km. Bismarck Sea. $H = 00\ 38\ 22.8$.	
26 <i>iP·Z</i>	15 39 55 C
<i>eSKS·E</i>	50 17
<i>eS·N</i>	50 27
<i>iScS·NE</i>	50 42
<i>eSKKS·N</i>	50 52
<i>iPS·E</i>	51 55
<i>ePPS·E</i>	52 03
<i>eSS·E</i>	56 45
<i>eL·N</i>	16 08
$\Delta = 88^\circ$. $h = 34$ km. Sumatra. $H = 15\ 27\ 05.9$.	
28 <i>iP·Z'</i>	10 53 17 C
<i>eL·NE</i>	11 07
$\Delta = 33^\circ$. $h = 52$ km. Iran. $H = 10\ 46\ 42.2$.	
28 <i>eL·E</i>	15 53
$\Delta = 119^\circ$. Chile. $H = 14\ 49\ 17.5$.	
28 <i>ePP·Z</i>	23 06.1 Confused by microseisms.
<i>ePKS·N</i>	07.2
<i>iPKS·E</i>	07 22 ¹ / ₂
<i>e(SKS)·NE</i>	11 48
$\Delta = 134^\circ$. $h = 37$ km. New Hebrides Islands. $H = 22\ 44\ 30.2$.	
28 <i>eL·N</i>	23 16
$\Delta = 52^\circ$. Lake Baikal. $H = 22\ 45\ 45.6$.	
29 <i>e(SSS)·E</i>	09 40.0
<i>eL·E</i>	43
$\Delta = 70^\circ$. $h = 16$ km. Vancouver Island. $H = 09\ 12\ 15.7$.	

October.	
30 <i>iP·Z'</i>	02 ^h 28 ^m 28 ^s ¹ / ₂ ^u
<i>eP·Z</i>	28 31
<i>eL·E</i>	03 01
$\Delta = 77^\circ$. $h = 36$ km. Oregon. $H = 02\ 16\ 32.7$.	
30 <i>eiP·Z'</i>	08 38 48
<i>i·Z'</i>	38 49 ¹ / ₂ +
<i>i1·Z'ZNE</i>	38 51 Z' : -, Z : +, 3 ¹ / ₂ ^s , 2 ¹ / ₂ ^s μ , NE: -, 5 ^s , 2 ¹ / ₄ ^s μ , 1 μ .
<i>i·Z'</i>	38 55 -
<i>i·Z</i>	42 51 +
<i>eS·N</i>	43 16 +, (6 ^s), 1 ¹ / ₂ ^s μ .
<i>eS·E</i>	43 24 5 ^s , 1 ¹ / ₂ ^s μ .
<i>i·Z</i>	43 30 +
<i>i·Z</i>	43 37 -
<i>i·E</i>	43 39 +, 5 ^s , 1 ¹ / ₂ ^s μ .
<i>e·N</i>	43 40 +, 5 ^s , 2 ³ / ₄ ^s μ .
<i>i·Z</i>	45 35 +
<i>i·E</i>	45 41 ¹ / ₂ -, 5 ^s , 2 ¹ / ₄ ^s μ .
<i>eL·N</i>	46.7
<i>eL·Z</i>	46.9 5 ^s , 1 ¹ / ₂ ^s μ .
<i>M·ZNE</i>	51.0 Z : 12 ^s , 40 μ , N : 10 ^s , 36 μ , E : 11 ^s , 22 μ .
$\Delta = 24^\circ$. Novaya Zemlya. Nuclear explosion. $H = 08\ 33\ 27.8$.	
30 <i>iPKP·Z'</i>	17 54 36 D
$\Delta = 152^\circ$. $h = 219$ km. Kermadec Islands. $H = 17\ 35\ 03.3$.	
30 <i>eL·N</i>	22 01
$\Delta = 85^\circ$. Honshu. $H = 21\ 15\ 35.2$.	
31 <i>e·NE</i>	08 44.5 Confused by microseisms.
<i>e·Z</i>	45.1
<i>M·E</i>	46.6 7 ^s , 3 ¹ / ₂ ^s μ .
<i>M·N</i>	46.9 (8 ^s), 4 μ .
<i>M·Z</i>	47.3 6 ^s , 5 μ .
$\Delta = 25^\circ$. Novaya Zemlya. Nuclear explosion. $H = 08\ 29\ 17.2$.	
31 <i>e·N</i>	08 55.2 Confused by microseisms.
<i>e·Z</i>	55.8
<i>M·N</i>	56.4 6 ^s , 3 ¹ / ₂ ^s μ .
<i>M·Z</i>	56.6 6 ^s , 3 μ .
$\Delta = 26^\circ$. Novaya Zemlya. Nuclear explosion. $H = 08\ 38\ 00.5$.	
November.	
4 <i>e·E</i>	07 35.5 Confused by microseisms.
<i>M·ZN</i>	38.0 Z : (10 ^s), 3 ¹ / ₄ ^s μ , N : 10 ^s , 2 ³ / ₄ ^s μ .
$\Delta = 25^\circ$. Novaya Zemlya. Nuclear explosion. $H = 07\ 20\ 19.7$.	
5 <i>iP·Z'</i>	03 53 17 (D)
$\Delta = 74^\circ$. $h = 18$ km. Kurile Islands. $H = 03\ 41\ 40.0$.	
5 <i>eP·Z'</i>	10 47 50
<i>i·Z'</i>	47 55
$\Delta = 72^\circ$. $h = 142$ km. Kurile Islands. $H = 10\ 36\ 39.5$.	

November.	
6 <i>eL·N</i>	06 ^h 36 ^m
$\Delta = 133^\circ$. New Hebrides Islands. $H = 05\ 28\ 22.8$.	
6 <i>eL·N</i>	12 53
$\Delta = 45^\circ$. Hindu Kush. $H = 12\ 29\ 05.5$.	
7 <i>eL·ZNE</i>	02 11
$\Delta = 72^\circ$. Oregon/Washington. $H = 01\ 29\ 08.4$.	
10 <i>iPKP·Z'</i>	18 19 14
$\Delta = 141^\circ$. $h = 586$ km. Fiji Islands. $H = 18\ 00\ 49.6$.	
12 <i>iP·Z'</i>	02 24 59 D
<i>eL·E</i>	48
$\Delta = 57^\circ$. $h = 39$ km. Congo. $H = 02\ 15\ 16.7$.	
14 <i>eSKS·N</i>	05 05 39
<i>eS·N</i>	05 54
<i>i(ScS)·N</i>	06 12
<i>ePS·N</i>	07 05
<i>eL·NE</i>	20
$\Delta = 87^\circ$. $h = 29$ km. Panama. $H = 04\ 42\ 26.5$.	
15 <i>i1P·Z'Z</i>	07 28 45 CZ : 6 ¹ / ₂ ^s , 16 μ .
<i>i(pP)·Z'</i>	28 55 +
<i>i1·Z'</i>	28 58 -
<i>iPcP·Z'</i>	29 02 ¹ / ₂ +
<i>i·Z'</i>	29 09 ¹ / ₂ -
<i>i·Z'</i>	29 37 ¹ / ₂ -
<i>ePP·Z</i>	31 28
<i>i·Z</i>	31 35 -
<i>iPPP·Z</i>	33 14 ¹ / ₂ +, 6 ^s , 5 μ .
<i>ePPPP·Z</i>	34 12
<i>e·Z</i>	34 42
<i>i1S·NE</i>	38 13 ¹ / ₂ N : -, 10 ^s , 16 ¹ / ₂ ^s μ . E : +, 7 ^s , 14 ¹ / ₂ ^s μ .
<i>i(sS)·N</i>	38 31 ¹ / ₂ 6 ^s , 11 ¹ / ₂ ^s μ .
<i>i(PS)·N</i>	39 10
<i>i(PPS)·Z</i>	39 21
<i>eL·NE</i>	46
20 ^s ·ZNE	08 04 Z : 60 μ , N : 50 μ , E : (50) μ .
$\Delta = 74^\circ$. $h = 43$ km. Hokkaido. $H = 07\ 17\ 12.4$.	
$M(L) = 7.0$ (COP), $M(P) = 7.5$ (COP).	
18 <i>iPKP·Z'</i>	11 36 45 D
$\Delta = 151^\circ$. $h = 61$ km. Kermadec Islands. $H = 11\ 16\ 56.8$.	
18 <i>eiP·Z'</i>	22 21 57
<i>i·Z'</i>	22 22 +
<i>eL·N</i>	51
$\Delta = 80^\circ$. $h = 38$ km. Formosa. $H = 22\ 09\ 51.9$.	
19 <i>i(PKP)·Z'</i>	10 31 44 D
$\Delta = 123^\circ$. $h = 42$ km. Solomon Islands. $H = 10\ 12\ 48.4$.	
19 <i>(iP·Z'</i>	23 35 26 D)
<i>ePP·Z</i>	39 50
<i>epPP·Z</i>	40 36

November.	
19 <i>iSKS·E</i>	23 ^h 45 ^m 53 ^s -, 5 ^s , 2 μ . (Con.).
<i>eS·E</i>	47 18
<i>e(SP)·Z</i>	48 24
<i>eSS·E</i>	54 19
<i>esSS·N</i>	55 14
<i>eL·N</i>	24 12
$\Delta = 102^\circ$. $h = 157$ km. Celebes. $H = 23\ 21\ 55.5$.	
20 <i>eP·Z'</i>	04 12 (12)
<i>eL·ZNE</i>	29
$\Delta = 46^\circ$. $h = 33$ km. Outer Mongolia/Siberia. $H = 04\ 03\ 56.7$.	
20 <i>iP·Z'</i>	04 44 26 D
$\Delta = 77^\circ$. $h = 33$ km. Honshu. $H = 04\ 32\ 34.7$.	
20 <i>ePKP·Z</i>	12 03 36
<i>e·Z</i>	04 45
<i>iPP·Z</i>	07 02 Confused by time break.
<i>e(PKS)·Z</i>	07 51
<i>ePPP·Z</i>	10 05
<i>e(SKS)·Z</i>	11 04
<i>e·Z</i>	11 21
<i>eQ·E</i>	48.5
<i>eR·E</i>	13 03
$\Delta = 142^\circ$. $h = 33$ km. Loyalty Islands. $H = 11\ 44\ 19.4$.	
20 <i>eP·Z'</i>	18 06 27
<i>i(pP)·Z</i>	06 35 +, 4 ^s , 5 μ .
<i>i(pP)·Z'</i>	06 36 ¹ / ₂ -
<i>i·Z'Z</i>	06 44 -
<i>i·Z</i>	06 51 -
<i>i(PP)·Z</i>	08 36
<i>e(PcS)·E</i>	12 06 5 ^s , 2 ³ / ₄ ^s μ .
<i>eS·ZN</i>	13 13 Z : +, 5 ^s , 2 ¹ / ₄ ^s μ , N : +, 8 ^s , 2 ¹ / ₂ ^s μ .
<i>iS·E</i>	13 17 +, 5 ^s , 4 μ .
<i>i(PS)·E</i>	13 41
<i>e(SS)·Z</i>	16.7
<i>e(SSS)·N</i>	17 02
<i>eL·ZNE</i>	18
$\Delta = 44^\circ$. $h = 34$ km. Atlantic Ocean. $H = 17\ 58\ 17.5$.	
22 <i>iPKP·Z'</i>	20 59 04
$\Delta = 150^\circ$. $h = 43$ km. Tonga Islands. $H = 20\ 39\ 15.8$.	
25 <i>(i)(P)·Z'</i>	20 32 (01) Confused by time break.
$\Delta = 78^\circ$. $h = 45$ km. Honshu. $H = 20\ 19\ 50.4$.	
27 <i>eP·Z'</i>	06 09 10
<i>eL·NE</i>	40
<i>M·ZNE</i>	47 19 ^s , Z : 13 μ , N : 11 μ , E : 13 μ .
$\Delta = 78^\circ$. $h = 25$ km. Kyushu. $H = 05\ 57\ 07.7$.	
27 <i>ePP·Z</i>	17 29 05
<i>eSKS·E</i>	35 21 ¹ / ₂ -, 9 ^s , 2 ³ / ₄ ^s μ .
<i>iSKS·N</i>	35 26 +
<i>eSKKS·E</i>	35 43
<i>ePS·E</i>	38 17
<i>e(SPP)·Z</i>	39 (08)

November.	
27	<i>e(PPS)·E</i> 17 ^h 39 ^m 16 ^s (Con.). <i>iSS·E</i> 44 02 ¹ / ₂ 11 ^s , 3 ¹ / ₂ μ . <i>i(SSS)·Z</i> 48 05 <i>eL·NE</i> 18 01 $\Delta = 104^\circ$. $h = 33$ km. Halmahera. $H = 17$ 10 38.1.
28	<i>e·Z'</i> 00 44 39
December.	
1	<i>eP·Z</i> 21 25 38 <i>ipP·Z'Z</i> 25 46 ¹ / ₂ <i>i!pP·ZNE</i> 25 48 ¹ / ₂ $Z: -, 4^s, 8^1/2 \mu, N: +, 4^s, 2^1/2 \mu,E: +, 5^s, 3^1/2 \mu.esP·Z 26 13ePP·Z 38 41eS·E 34 40 13s, 3 \mu.epS·E 35 47ePS·NE 36 08esS·E 36 15 -, 7^s, 3^1/2 \mu.isS·N 36 18 -, 8^s, 4 \mu.esPS·N 36 38 10s, 21/4 \mu.eSS·E 40 05esSS·E 41 33eQ·Z 45.4e·N 46 11 13s.eR·N 49.0\Delta = 80^\circ. h = 206 km. China Sea. H = 21 13 04.1.$
2	<i>eP·Z'Z</i> 12 44 42 <i>iPPP·Z</i> 45 03 - <i>e(S)·E</i> 48 23 <i>e(S)·ZN</i> 48 27 <i>e(SSS)·E</i> 49 06 <i>e(L)·N</i> 50 56 <i>eL·NE</i> 52 $\Delta = 19^\circ$. $h = 33$ km. Algeria/Tunisia. $H = 12$ 40 16.2.
3	<i>eP·Z'</i> 18 37 26 <i>eL·N</i> 45 $\Delta = 25^\circ$. $h = 33$ km. Armenia. $H = 18$ 31 56.1.
3	<i>iP·Z'</i> 20 05 37 C $\Delta = 70^\circ$. $h = 386$ km. Sea of Japan. $H = 19$ 55 05.5.
4	<i>eP·Z'</i> 12 48 (14) <i>ePPP·Z</i> 51 36 <i>eS·E</i> 56 21 <i>e(Q)·Z</i> 13 02 51 <i>i·Z</i> 04 49 <i>eR·NE</i> 07.8 <i>M·N</i> 12 15 ^s , 23 μ . <i>M·ZE</i> 16 $Z: 11^s, 9$ μ , $E: 12^s, 12^1/2 \mu.\Delta = 59^\circ. h = 45 km. Tibet. H = 12 38 11.9.$
6	<i>eL·N</i> 06 31 Confused by microseisms. $\Delta = 74^\circ$. Andaman Islands. $H = 05$ 48 38.3.

December.	
6	<i>eL·N</i> 15 ^h 01 ^m $\Delta = 147^\circ$. Tonga Islands. $H = 13$ 35 48.2.
6	<i>iP·Z</i> 16 50 51 C, 6 ^s , 3 ¹ / ₂ μ . <i>iPPP·Z</i> 55 19 <i>ipPPP·Z</i> 55 33 ¹ / ₂ <i>eS·NE</i> 17 00.1 <i>esS·N</i> 00 28 <i>e(SP)·N</i> 00 53 <i>i(PS)·N</i> 01 08 <i>i(sPS)·N</i> 01 16 <i>e(SS)·N</i> 05.3 <i>eL·ZNE</i> 08 <i>20^s·ZN</i> 25 $Z: 24$ μ , $N: 26$ μ . $\Delta = 71^\circ$. $h = 60$ km. Kurile Islands. $H = 16$ 39 37.6. $M(P) = 6.4$ (COP).
9	<i>eP·Z'</i> 02 26 24 <i>eS·N</i> 35.2 <i>iPS·E</i> 35 29 <i>eL·NE</i> 52 $\Delta = 67^\circ$. $h = 31$ km. Kodiak Island. $H = 02$ 15 22.0.
9	<i>ePP·Z</i> 11 39 (23) <i>ePPP·Z</i> 41 33 <i>ePS·E</i> 48 44 $+, 7^s, 3$ μ . <i>eL·E</i> 12 13 $\Delta = 124^\circ$. $h = 34$ km. Chile. $H = 11$ 18 08.9.
9	<i>iPKP·Z'</i> 20 08 15 (C) <i>iPKP·Z</i> 08 15 ¹ / ₂ C <i>i!·Z'</i> 08 16 - $\Delta = 145^\circ$. $h = 620$ km. Fiji Islands. $H = 19$ 49 41.3.
11	<i>eiP·Z'</i> 16 57 45 $\Delta = 21^\circ$. $h = 33$ km. Greece. $H = 16$ 53 06.4.
12	<i>eiP·Z'</i> 23 17 51 $\Delta = 74^\circ$. $h = 65$ km. Hokkaido. $H = 23$ 06 20.6.
14	<i>eL·ZNE</i> 08 (14) Earlier phases, if present, lost in record-change. $\Delta = 113^\circ$. New Guinea. $H = 07$ 10 23.2.
16	<i>iPKP·Z'</i> 20 54 40 ¹ / ₂ (C) $\Delta = 152^\circ$. $h = 295$ km. Kermadec Islands. $H = 20$ 35 29.0.
18	<i>eL·NE</i> 21 46 $\Delta = (20^\circ)$. Ionian Islands.
20	<i>eP·Z'</i> 13 37 52 <i>ePcP·Z</i> 37 58 + <i>i!pP·Z</i> 38 37 $-, 8^s, 9^1/2 \mu.isP·Z 38 56 +, 8^s, 8 \mu.e(PP)·Z 41 00i(pPP)·Z 42 08iPPP·Z 43 17e·Z 44 44$

December.	
20	<i>eSKS·E</i> 13 ^h 48 ^m 02 ^s (Con.). <i>i!S·N</i> 48 12 $-, 10^s, 35$ μ . <i>eS·ZE</i> 48 15 $-, Z: 10^s, 6$ μ , $E: 9^s, 15$ μ . <i>eSP·Z</i> 49 00 <i>i!sS·NE</i> 49 21 $N: +, 13^s, 19$ μ , $E: -, 8^s, 14^1/2 \mu.e(pPS)Z 49 52 +, 7^s, 3^1/2 \mu.esPS·N 52 19e·Z 52 47 8s, 31/2 \mu.eSS·N 53 45 17s, 91/2 \mu.eL·NE 58\Delta = 85^\circ. h = 176 km. Colombia. H = 13 25 34.4.$
24	<i>iP·Z'</i> 07 02 14 (C) <i>e·Z'</i> 03 (26) <i>eL·N</i> 40 $\Delta = 73^\circ$. $h = 125$ km. Hokkaido. $H = 06$ 50 54.0.
25	<i>eL·E</i> 00 47 $\Delta = 120^\circ$. Chile. $H = 23$ 43 19.2.
28	<i>eL·N</i> 01 22 Confused by microseisms. $\Delta = 162^\circ$. New Zealand. $H = 23$ 48 01.7.

December.	
30	<i>iP·Z</i> 00 ^h 50 ^m 52 ^s (C) <i>i·Z</i> 51 42 <i>ePPP·Z</i> 55 14 <i>i(pPPP)·Z</i> 55 27 6 ^s , 5 ¹ / ₂ μ . <i>eS·NE</i> 01 00 10 <i>i!(pS)·E</i> 00 16 ¹ / ₂ $+, 8^s, 8$ μ . <i>iPS·E</i> 00 32 $+, 6^s, 7$ μ . <i>ePPS·Z</i> 00 41 <i>i(sS)·N</i> 00 54 $-, 10^s, 5$ μ . <i>i·N</i> 01 23 $-, 10^s, 6$ μ . <i>i·E</i> 01 32 8 ^s , 8 μ . <i>e·N</i> 03 05 <i>eSS·E</i> 04 44 <i>e·E</i> 05 35 <i>eSSS·ZE</i> 07 34 <i>eL·NE</i> 12 <i>20^s·ZN(E)</i> 20 $Z: 15^1/2 \mu, N: 19 \mu, E: (19) \mu.M·NE 27 16s, N: 30 \mu, E: 36^1/2 \mu.M·Z 30 15s, 171/2 \mu.\Delta = 71^\circ. h = 56 km. Rat Islands. H = 00 39 27.1.M(L) = 6.6 (COP).$
30	<i>eL·NE</i> 07 32 $\Delta = 45^\circ$. Sinkiang. $H = 07$ 08 39.1.