

GEODÆTISK INSTITUT

Proviantgården · Copenhagen · Denmark

Bulletin of the seismological station

NORD

$\varphi = 81^{\circ}36'N.$ $\lambda = 16^{\circ}41'W.$ $h = 35\text{ m.}$

Lithologic foundation: calcareous greywacke

Instruments.

Willmore. $Z.$ $T_p = 1\text{ sec},$ $T_g = \frac{1}{4}\text{ sec.}$ No attenuation.

Strobach. N and $E.$ $T = 6\text{ sec},$ $\nu = 15:1,$ $V_0 = 500.$ (Belongs to Geophysikalisches Institut, Hamburg.)

Seismological Readings. Distant quakes.

Phases are indicated by the symbols used in ISS. Times are given in GMT. Positions of epicenters are those given by BCIS. The periods given are periods of full oscillations. For Z trace amplitudes are given. C means compression, D dilatation. $+$ means movement towards N or E respectively.

Seismological Readings. Local shocks.

Distances less than 5° . Some tremors of not-seismic origin may be included.

Nord 1962

January				January			
1	$eP \cdot Z$	23 ^h 48 ^m 47 ^s		11	$e(P) \cdot Z$	23 ^h 39 ^m 25 ^s	trace ampl.: 1 mm.
	$\Delta = 47^\circ$.	$h = 33$ km.	Rat Islands, Aleutian Islands.		$e(S) \cdot Z$	39 58	trace ampl.: 4 mm.
					Near.		
2	$eP \cdot Z$	12 24 35	trace ampl.: 4 mm.	14	$i \cdot Z$	14 47 34	C.
	$\Delta = 6^\circ$.	$h = 33$ km.	Svalbard region.	15	$e \cdot Z$	7 10 57	
2	$ePKP \cdot Z$	23 27 23		15	$e \cdot Z$	8 33 08	
	$\Delta = 129^\circ$.		Kermadec Islands.	16	$e \cdot Z$	4 16 07	
3	$eP \cdot Z$	18 01 28		16	$ePKP \cdot Z$	11 54 44	
	$\Delta = 47^\circ$.	$h = 68$ km.	Rat Islands, Aleutian Islands.		$\Delta = 129^\circ$.	$h = 39$ km.	Kermadec Islands.
4	$eP \cdot Z$	4 46 11		16	$iP \cdot Z$	18 29 07	C.
	$\Delta = 64^\circ$.	$h = 43$ km.	Near S. coast of southern Honshu.		$\Delta = 74^\circ$.	$h = 30$ km.	Central Mid-Atlantic Ridge.
7	$eP \cdot Z$	1 22 02		17	$eP \cdot Z$	15 42 29	
	$\Delta = 41^\circ$.	$h = 33$ km.	South of Alaska.		$\Delta = 93^\circ$.	$h = 63$ km.	Talaud Islands.
7	$eP \cdot Z$	10 10 47		17	$eP \cdot Z$	15 56 26	
	$\Delta = 40^\circ$.	$h = 33$ km.	Yugoslavia.		$\Delta = 93^\circ$.	$h = 80$ km.	Talaud Islands.
8	$eP \cdot Z$	1 11 10		18	$e \cdot Z$	5 53 17	
	$\Delta = 67^\circ$.	$h = 32$ km.	Dominican Republic region.	18	$e \cdot Z$	6 52 18	
8	$ePKP \cdot Z$	6 01 43		18	$i \cdot Z$	12 50 51	C.
	$\Delta = 122^\circ$.	$h = 133$ km.	South of Fiji Islands.	19	$eP \cdot Z$	6 09 40	
8	$i(P) \cdot Z$	7 28 26	D.		$\Delta = 48^\circ$.	$h = 29$ km.	Off east coast of Kamchatka.
	$e(S) \cdot Z$	29 31		19	$eP \cdot Z$	19 46 18	
8	$e \cdot Z$	22 33 59			$\Delta = 45^\circ$.	$h = 33$ km.	Southern Greece.
9	$eP \cdot Z$	12 50 17		19	$eP \cdot Z$	22 26 41	
	$\Delta = 55^\circ$.	$h = 53$ km.	Hokkaido, Japan region.		$\Delta = 45^\circ$.	$h = 46$ km.	Southern Greece.
9	$eP \cdot Z$	22 22 04		21	$iP \cdot Z$	5 23 37	C.
	$\Delta = 50^\circ$.	$h = 436$ km.	Sea of Okhotsk.		$i \cdot Z$	23 56	
10	$e \cdot Z$	3 09 34		21	$e \cdot Z$	16 38 43	
11	$iP \cdot Z$	3 12 04	C.	22	$eP \cdot Z$	7 34 32	
	$\Delta = 64^\circ$.	$h = 39$ km.	Nepal.		$\Delta = 42^\circ$.	$h = 33$ km.	USSR-Mongolia border region.
11	$iP \cdot Z$	5 12 37	C.	23	$iP \cdot Z$	16 07 39	
	$\Delta = 40^\circ$.	$h = 33$ km.	Yugoslavia.		$\Delta = 45^\circ$.	$h = 65$ km.	Fox Islands, Aleutian Islands.
11	$eP \cdot Z$	6 57 35		24	$e \cdot Z$	0 17 30	
	$\Delta = 48^\circ$.	$h = 62$ km.	Andreanov Islands, Aleutian Islands.	24	$i \cdot Z$	8 20 35	trace ampl.: 8 mm.
11	$eP \cdot Z$	12 34 06			Near.		
	$\Delta = 8^\circ$.		Svalbard region.	24	$e \cdot Z$	8 52 18	
11	$i(P) \cdot Z$	21 46 48	trace ampl.: 5 mm.	24	$e \cdot Z$	10 04 41	
	$i(S) \cdot ZNE$	47 18	trace ampl.: 10 mm.				
	Near.						
11	$e(P) \cdot Z$	21 58 55	trace ampl.: 2 mm.				
	$i(S) \cdot Z$	59 23	trace ampl.: 4 mm.				
	Near.						

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January

24	<i>iP</i> · <i>Z</i>	15 ^h 51 ^m 04 ^s	<i>D.</i>	
		$\Delta = 72^\circ$.	$h = 72$ km.	Taiwan.
25	<i>eP</i> · <i>Z</i>	0 37 22	<i>C.</i>	
		$\Delta = 42^\circ$.	$h = 33$ km.	Alaska Peninsula.
26	<i>iP</i> · <i>Z</i>	5 33 01		
		$\Delta = 66^\circ$.	$h = 333$ km.	South of Honshu, Japan.
26	<i>iP</i> · <i>Z</i>	8 26 21	<i>C.</i>	
	<i>iPP</i> · <i>Z</i>	28 12		
		$\Delta = 49^\circ$.	$h = 33$ km.	Mediterranean Sea.
28	<i>e</i> · <i>Z</i>	0 36 10		
30	<i>eP</i> · <i>Z</i>	8 45 58		
		$\Delta = 74^\circ$.	$h = 49$ km.	Honduras.
30	<i>e</i> · <i>Z</i>	10 30 29		
30	<i>eP</i> · <i>Z</i>	17 19 46		
		$\Delta = 19^\circ$.	$h = 33$ km.	East of Severnaja Zemlja.
31	<i>eP</i> · <i>Z</i>	0 15 00		
		$\Delta = 52^\circ$.	$h = 73$ km.	Afghanistan-USSR border region.

February

1	<i>ePKP</i> · <i>Z</i>	0 59 01		
		$\Delta = 129^\circ$.	$h = 30$ km.	Kermadec Islands region.
1	<i>eP</i> · <i>Z</i>	11 38 26		
		$\Delta = 93^\circ$.	$h = 37$ km.	Talau Islands.
2	<i>e</i> · <i>Z</i>	1 58 58		
2	<i>iP</i> · <i>Z</i>	8 07 50	<i>C.</i>	
		$\Delta = 42$ km.	$h = 0$ km.	Eastern Kazakh SSR. Explosion.
3	<i>e</i> · <i>Z</i>	17 15 29		
5	<i>e</i> · <i>Z</i>	21 58 04		
5	<i>iP</i> · <i>Z</i>	23 05 58	<i>C.</i>	
		$\Delta = 62^\circ$.	$h = 136$ km.	Honshu, Japan.
6	<i>i(P)</i> · <i>Z</i>	14 06 46	<i>C.</i>	trace ampl.: ab. 10 mm.
		Near.		
7	<i>e</i> · <i>Z</i>	20 03 18		
8	<i>eP</i> · <i>Z</i>	19 53 38		
		$\Delta = 93^\circ$.	$h = 48$ km.	Northern Sumatra.
9	<i>iP</i> · <i>Z</i>	22 04 37		
		$\Delta = 96^\circ$.	$h = 121$ km.	Northern Celebes.

February

11	<i>eP</i> · <i>Z</i>	2 ^h 52 ^m 56 ^s		
		$\Delta = 68^\circ$.	$h = 401$ km.	South of Honshu, Japan.
11	<i>eP</i> · <i>Z</i>	10 09 42		
		$\Delta = 46^\circ$.	$h = 50$ km.	Fox Islands, Aleutian Islands.
13	<i>eP</i> · <i>Z</i>	0 52 08		
		$\Delta = 28^\circ$.	$h = 33$ km.	North Atlantic Ocean.
14	<i>ePKP</i> · <i>Z</i>	6 54 52		
		$\Delta = 123^\circ$.	$h = 45$ km.	Central Chile.
14	<i>iP</i> · <i>Z</i>	11 56 27		
		$\Delta = 91^\circ$.	$h = 150$ km.	Mindanao. Philippine Islands.
14	<i>e(P)</i> · <i>Z</i>	12 14 41		trace ampl.: 1 mm.
	<i>e(S)</i> · <i>Z</i>	15 07		trace ampl.: 4 mm.
		Near.		
14	<i>e</i> · <i>Z</i>	19 59 36		
16	<i>ePcP</i> · <i>Z</i>	16 04 54		
		$\Delta = 49^\circ$.	$h = 45$ km.	Kurile Islands.
18	<i>i</i> · <i>Z</i>	10 12 40	<i>C.</i>	
	<i>i</i> · <i>Z</i>	12 59		
18	<i>iP</i> · <i>Z</i>	10 52 13		
		$\Delta = 57^\circ$.	$h = 36$ km.	Hokkaido, Japan region.
18	<i>iP</i> · <i>Z</i>	17 37 07	<i>D.</i>	
		$\Delta = 77^\circ$.	$h = 41$ km.	Northern Columbia.
19	<i>e</i> · <i>Z</i>	19 02 56		
20	<i>e</i> · <i>Z</i>	1 26 24		
	<i>e</i> · <i>E</i>	26 32		
	<i>e</i> · <i>N</i>	26 48		
20	<i>eP</i> · <i>Z</i>	9 28 36		
		$\Delta = 86^\circ$.	$h = 33$ km.	Nicobar Islands region.
20	<i>eP</i> · <i>Z</i>	16 15 12		
	<i>iPcP</i> · <i>Z</i>	16 16		
		$\Delta = 55^\circ$.	$h = 56$ km.	Hokkaido, Japan region.
20	<i>ePKP</i> · <i>Z</i>	20 31 00		
		$\Delta = 145^\circ$.	$h = 31$ km.	Southeast Indian Rise.
20	<i>eP</i> · <i>Z</i>	22 13 33		
	<i>L</i> · <i>NE</i>	36.2		
24	<i>e</i> · <i>Z</i>	13 32 08		
24	<i>i(P)</i> · <i>ZNE</i>	20 25 55		
27	<i>eP</i> · <i>Z</i>	5 58 59		
		$\Delta = 33^\circ$.	$h = 100$ km.	Central Alaska.

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February

27 *eP·Z* 6^h45^m43^s
 $\Delta = 67^\circ$. $h = 33$ km. Szechwan Province, China.

27 *e·Z* 12 59 36

March

1 *eP·Z* 18 44 43
 $\Delta = 55^\circ$. $h = 48$ km. Kurile Islands.

2 *eP·Z* 13 16 05
ipP·Z 16 24
 $\Delta = 92^\circ$. $h = 96$ km. Mindanao, Philippine Islands.

3 *eP·Z* 12 27 44
 $\Delta = 89^\circ$. $h = 87$ km. Philippine Islands.

4 *e·Z* 11 37 45

4 *e·Z* 18 26 38

4 *iP·Z* 19 32 44 C. trace ampl.: 2 mm.
e·ZNE 33 22 trace ampl.: 10 mm.
NE coast of Greenland.

4 *e·Z* 23 48 30

6 *eP·Z* 6 07 49
 $\Delta = 79^\circ$. $h = 33$ km. Andaman Islands region.

6 *e·Z* 7 14 58

7 *eP·Z* 1 47 20
 $\Delta = 20^\circ$. $h = 33$ km. Iceland region.

7 *iP·Z* 2 11 40
 $\Delta = 20^\circ$. $h = 35$ km. Iceland region.

7 *e·Z* 9 30 22

7 *iP·ZNE* 11 12 00 D.
 $\Delta = 78^\circ$. $h = 685$ km. Mariana Islands.

8 *e·Z* 5 02 25

8 *e·Z* 5 56 30

8 *eP·Z* 10 56 13
 $\Delta = 52^\circ$. $h = 56$ km. Kurile Islands.

10 *eP·Z* 3 14 16
 $\Delta = 90^\circ$. $h = 50$ km. Malay Peninsula.

10 *eP·Z* 8 55 52
 $\Delta = 73^\circ$. $h = 31$ km. Taiwan.

11 *e·Z* 9 02 10

March

11 *eP·Z* 15^h31^m56^s
 $\Delta = 47^\circ$. $h = 135$ km. Rat Islands, Aleutian Islands.

11 *eP·Z* 19 31 54
 $\Delta = 88^\circ$. $h = 51$ km. Mindanao, Philippine Islands.

11 *eP·Z* 20 11 25
 $\Delta = 88^\circ$. $h = 32$ km. Mindanao, Philippine Islands.

12 *eP·Z* 9 53 33
 $\Delta = 78^\circ$. $h = 25$ km. Panama–Costa Rica border region.

12 *eP·Z* 11 52 12
ePcP·ZNE 52 19
iS·NE 12 02 16
 $\Delta = 78^\circ$. $h = 30$ km. Panama–Costa Rica border region.

12 *e·Z* 17 53 51

12 *e·Z* 20 43 24

13 *eP·Z* 23 54 10
 $\Delta = 16^\circ$. Iceland.

16 *eP·Z* 9 53 22
 $\Delta = 70^\circ$. $h = 177$ km. Ryu-Kyu Islands.

17 *eP·Z* 18 07 11
 $\Delta = 48^\circ$. $h = 59$ km. Off east coast of Kamchatka.

17 *eP·ZNE* 20 58 48
 $\Delta = 72^\circ$. $h = 33$ km. North Atlantic Ridge.

18 *iP·Z* 5 38 12 C.
 $\Delta = 58^\circ$. $h = 33$ km. Near east coast of Honshu, Japan.

18 *iP·ZNE* 15 38 30 C.
iS·NE 44 51
 $\Delta = 42^\circ$. $h = 33$ km. Albania.

18 *e·Z* 17 07 05

19 *iP·Z* 6 07 48 C.
 $\Delta = 96^\circ$. $h = 150$ km. Northern Celebes.

21 *e·Z* 5 35 13

21 *eP·Z* 23 10 39
 $\Delta = 101^\circ$. $h = 630$ km. Java.

22 *eP·Z* 0 32 33
iSKS·EN 42 14
 $\Delta = 102^\circ$. $h = 575$ km. Java.

22 *eP·Z* 6 36 08
 $\Delta = 4^\circ$. $h = 36$ km. North of Svalbard.

22 *eP·Z* 15 58 16
 $\Delta = 6^\circ$. Lomonosov Ridge.

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March

25	<i>e</i> · <i>Z</i>	8 ^h 21 ^m 07 ^s	
		$\Delta = 47^\circ$.	<i>h</i> = 45 km. Fox Islands, Aleutian Islands.
25	<i>e</i> · <i>Z</i>	12 03 33	
25	<i>iP</i> · <i>Z</i>	21 46 02	<i>D</i> .
		$\Delta = 44^\circ$.	<i>h</i> = 330 km. Sicily.
26	<i>i</i> · <i>Z</i>	5 31 34	<i>C</i> .
	<i>e</i> · <i>Z</i>	32 19	
26	<i>eP</i> · <i>Z</i>	12 17 16	
		$\Delta = 82^\circ$.	<i>h</i> = 33 km. Central Mid-Atlantic Ridge.
26	<i>ePKP</i> · <i>Z</i>	16 51 41	
		$\Delta = 125^\circ$.	<i>h</i> = 32 km. Northeastern Argentina.
26	<i>e</i> · <i>Z</i>	22 21 07	
27	<i>e</i> · <i>Z</i>	1 52 30	
27	<i>eP</i> · <i>Z</i>	21 30 54	
		$\Delta = 73^\circ$.	<i>h</i> = 30 km. Near coast of Guerrero, Mexico.
28	<i>eP</i> · <i>Z</i>	1 01 10	
		$\Delta = 53^\circ$.	<i>h</i> = 108 km. Afghanistan-USSR border region.
28	<i>iP</i> · <i>Z</i>	4 18 26	<i>C</i> .
		$\Delta = 92^\circ$.	<i>h</i> = 33 km. Northern Sumatra.
28	<i>eP</i> · <i>Z</i>	13 34 46	
		$\Delta = 47^\circ$.	<i>h</i> = 33 km. Northern Sinkiang Province, China.
28	<i>eP</i> · <i>Z</i>	14 46 32	
	<i>eS</i> · <i>Z</i>	47 46	
		$\Delta = 5^\circ$.	Near north coast of Greenland.
28	<i>e</i> · <i>Z</i>	17 41 35	
28	<i>e</i> · <i>Z</i>	21 32 40	
29	<i>e</i> · <i>Z</i>	6 54 48	
29	<i>iP</i> · <i>Z</i>	19 32 09	<i>C</i> . trace ampl.: 10 mm.
	<i>iS</i> · <i>Z</i>	32 54	
		$\Delta = 4^\circ$.	<i>h</i> = 33 km. Greenland Sea.
30	<i>e</i> · <i>Z</i>	0 17 54	
30	<i>e</i> · <i>Z</i>	7 09 44	

April

1	<i>eP</i> · <i>Z</i>	0 54 46	
		$\Delta = 55^\circ$.	<i>h</i> = 33 km. Iran.
1	<i>eP</i> · <i>Z</i>	9 30 20	
		$\Delta = 16^\circ$.	<i>h</i> = 25 km. East of Severnaya Zemlya.

April

1	<i>eP</i> · <i>Z</i>	12 ^h 08 ^m 13 ^s	
		$\Delta = 44^\circ$.	<i>h</i> = 36 km. Unimak Island region.
2	<i>e</i> · <i>Z</i>	0 10 50	
	<i>i</i> · <i>Z</i>	12 00	
2	<i>e</i> · <i>Z</i>	0 26 34	
3	<i>e</i> · <i>Z</i>	1 35 42	
	<i>i</i> · <i>Z</i>	36 12	
4	<i>e</i> · <i>Z</i>	1 38 48	
4	<i>eP</i> · <i>Z</i>	5 50 01	
		$\Delta = 49^\circ$.	<i>h</i> = 56 km. Crete.
4	<i>e</i> · <i>Z</i>	8 43 48	
4	<i>e</i> · <i>Z</i>	8 45 41	
4	<i>eP</i> · <i>Z</i>	14 14 34	
		$\Delta = 78^\circ$.	<i>h</i> = 23 km. Costa Rica.
4	<i>iP</i> · <i>Z</i>	20 03 59	<i>C</i> .
		$\Delta = 49^\circ$.	<i>h</i> = 27 km. Crete.
4	<i>iP</i> · <i>Z</i>	20 59 55	<i>C</i> .
		$\Delta = 49^\circ$.	<i>h</i> = 21 km. Crete.
4	<i>iP</i> · <i>Z</i>	21 08 26	<i>C</i> .
		$\Delta = 49^\circ$.	<i>h</i> = 25 km. Crete.
5	<i>i</i> · <i>Z</i>	3 22 09	<i>D</i> .
5	<i>eP</i> · <i>Z</i>	3 48 12	
		$\Delta = 44^\circ$.	<i>h</i> = 65 km. Unimak Island region.
5	<i>e</i> · <i>Z</i>	4 36 14	
6	<i>e</i> · <i>Z</i>	2 02 19	
6	<i>e</i> · <i>Z</i>	20 57 06	
7	<i>e(P)</i> · <i>Z</i>	1 41 16	trace ampl.: 2 mm.
	<i>e(S)</i> · <i>Z</i>	41 40	trace ampl.: 6 mm.
			Near.
7	<i>eP</i> · <i>Z</i>	6 34 25	
		$\Delta = 88^\circ$.	<i>h</i> = 50 km. South of Mariana Island.
7	<i>iP</i> · <i>Z</i>	23 15 11	<i>C</i> .
	<i>epP</i> · <i>Z</i>	15 28	
		$\Delta = 69^\circ$.	<i>h</i> = 77 km. Arabian Sea.
8	<i>e</i> · <i>Z</i>	5 14 21	
	<i>i</i> · <i>Z</i>	14 46	
8	<i>e</i> · <i>Z</i>	5 30 30	

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8	<i>i(P)·Z</i>	15 ^h 25 ^m 46 ^s	<i>D.</i>	
	Near.		trace disappeared.	
9	<i>i(P)·ZNE</i>	7 37 05	<i>C.</i>	trace ampl.: 13 mm.
	<i>i(S)·Z</i>	37 24		trace ampl.: 15 mm.
	Near.			
10	<i>e·Z</i>	4 19 07		
10	<i>iP·Z</i>	10 40 34	<i>C.</i>	
	$\Delta = 48^\circ$.	$h = 33$ km.		Near the east coast of Kamchatka.
10	<i>eP·ZNE</i>	21 45 31		
	<i>iS·NE</i>	52 17		
	$\Delta = 45^\circ$.	$h = 35$ km.		Ionian Sea.
11	<i>eP·Z</i>	10 55 51		
	$\Delta = 45^\circ$.	$h = 43$ km.		Ionian Sea.
12	<i>eP·ZNE</i>	1 02 46		
	$\Delta = 60^\circ$.	$h = 48$ km.		Near the east coast of Honshu, Japan.
12	<i>iP·Z</i>	5 26 10	<i>C.</i>	
	$\Delta = 60^\circ$.	$h = 26$ km.		Near the east coast of Honshu, Japan.
13	<i>e·Z</i>	10 45 10		
13	<i>e·Z</i>	10 47 01		
13	<i>e·Z</i>	16 04 42		
13	<i>eP·Z</i>	18 44 03		
	$\Delta = 44^\circ$.	$h = 28$ km.		Kazakh-Sinkiang border region.
14	<i>e·Z</i>	6 49 53		
15	<i>eP·Z</i>	7 42 23		
	$\Delta = 62^\circ$.	$h = 69$ km.		Honshu, Japan.
15	<i>eP·Z</i>	18 20 56		
	$\Delta = 84^\circ$.	$h = 25$ km.		North of Ascension Island.
15	<i>eP·Z</i>	18 57 49		
	$\Delta = 84^\circ$.	$h = 25$ km.		North of Ascension Island.
16	<i>eP·Z</i>	0 23 34		
	$\Delta = 45^\circ$.	$h = 25$ km.		Ionian Sea.
16	<i>eP·Z</i>	13 30 56		
	$\Delta = 68^\circ$.	$h = 176$ km.		Southern Honshu, Japan.
16	<i>iP·ZE</i>	21 57 41	<i>C.</i>	trace ampl.: 1 mm.
	<i>iS·Z</i>	58 08		trace ampl.: 6 mm.
	$\Delta = 3^\circ$.			Greenland Sea.
17	<i>iP·Z</i>	10 11 29	<i>C.</i>	
	$\Delta = 41^\circ$.	$h = 25$ km.		Adriatic Sea.

April

17	<i>eP·Z</i>	11 ^h 42 ^m 12 ^s		
	$\Delta = 46^\circ$.	$h = 25$ km.		Ionian Sea.
17	<i>iP·Z</i>	21 04 12		
	$\Delta = 59^\circ$.	$h = 43$ km.		Near east coast of Honshu, Japan.
17	<i>eP·Z</i>	22 47 24		
	$\Delta = 83^\circ$.	$h = 25$ km.		North of Ascension Island.
18	<i>iP·Z</i>	8 04 17	<i>D.</i>	trace ampl.: 1 mm.
	<i>i(S)·Z</i>	04 57		trace ampl.: 6 mm.
	$\Delta = 4^\circ$.			Eastern Greenland.
18	<i>eP·Z</i>	19 28 00		
	$\Delta = 96^\circ$.	$h = 23$ km.		Near coast of northern Peru.
19	<i>e·Z</i>	12 37 00		
19	<i>e·Z</i>	17 06 56		
19	<i>eP·ZN</i>	23 22 00		
	$\Delta = 28^\circ$.	$h = 17$ km.		Eastern Siberia.
20	<i>iP·ZE</i>	5 58 34	<i>C.</i>	
	<i>iS·NE</i>	6 07 12		
	$\Delta = 65^\circ$.	$h = 25$ km.		Haiti region.
22	<i>iPKP·Z</i>	4 48 32		
	$\Delta = 129^\circ$.	$h = 105$ km.		Near coast of southern Chile.
22	<i>eP·Z</i>	4 56 42		
	$\Delta = 73^\circ$.	$h = 69$ km.		Near coast of Chiapas, Mexico.
22	<i>iP·Z</i>	19 25 53	<i>C.</i>	
	$\Delta = 65^\circ$.	$h = 181$ km.		Kyushu, Japan.
23	<i>iP·ZNE</i>	6 07 40	<i>C.</i>	
	$\Delta = 55^\circ$.	$h = 25$ km.		Hokkaido Japan region.
24	<i>eP·Z</i>	16 18 56		
	<i>epP·Z</i>	19 30		
	$\Delta = 88^\circ$.	$h = 175$ km.		Ecuador.
25	<i>e·Z</i>	3 06 54		
25	<i>iP·ZNE</i>	15 57 29		
	$\Delta = 60^\circ$.	$h = 56$ km.		Near east coast of Honshu, Japan.
26	<i>e·Z</i>	11 30 39		
27	<i>ePKP·Z</i>	7 06 33		
	$\Delta = 130^\circ$.	$h = 31$ km.		Near coast of southern Chile.
27	<i>e·Z</i>	7 46 41		
28	<i>eP·Z</i>	11 27 33		
	$\Delta = 48^\circ$.	$h = 40$ km.		Dodecanese Islands.

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28	<i>iP·Z</i>	12 ^h 52 ^m 24 ^s	<i>D.</i>	
	$\Delta = 48^\circ$.	$h = 48$ km.	Dodecanese Islands.	
30	<i>iP·ZNE</i>	2 36 25	<i>C.</i>	
	$\Delta = 59^\circ$.	$h = 104$ km.	Honshu, Japan.	
30	<i>iP·ZNE</i>	3 58 30	<i>D.</i>	trace ampl.: 10 mm.
	<i>i·Z</i>	59 00		trace ampl.: 12 mm.
	<i>i·NE</i>	59 02		
	$\Delta = 3^\circ$.		Eastern Greenland.	
30	<i>e·Z</i>	21 56 38		
30	<i>eP·Z</i>	23 52 40		
	<i>e·NE</i>	52 46		
	$\Delta = 10^\circ$.	$h = 25$ km.	Norwegian Sea.	
May				
2	<i>eP·Z</i>	2 51 09		
	$\Delta = 41^\circ$.	$h = 25$ km.	Alaska Peninsula.	
2	<i>eP·Z</i>	11 17 24		
	$\Delta = 82^\circ$.	$h = 82$ km.	Luzon, Philippine Islands.	
3	<i>iP·Z</i>	2 47 31	<i>C.</i>	
	$\Delta = 55^\circ$.	$h = 49$ km.	Hokkaido, Japan region.	
3	<i>i·Z</i>	3 38 31	<i>C.</i>	
3	<i>ePKP·Z</i>	3 54 16		
	$\Delta = 142^\circ$.	$h = 20$ km.	Scotia Sea.	
5	<i>eP·Z</i>	11 22 15		
	$\Delta = 64^\circ$.	$h = 57$ km.	Near S. coast of Honshu, Japan.	
6	<i>ePKP·Z</i>	3 53 27		
	$\Delta = 148^\circ$.	$h = 25$ km.	South Pacific Cordillera.	
6	<i>ePKP·ZNE</i>	19 19 33		
	$\Delta = 141^\circ$.	$h = 33$ km.	Scotia Sea.	
7	<i>iP·ZNE</i>	17 48 59		
	$\Delta = 53^\circ$.	$h = 20$ km.	Kurile Islands.	
9	<i>eP·Z</i>	0 02 31		
	$\Delta = 48^\circ$.	$h = 86$ km.	Crete.	
9	<i>e·Z</i>	7 53 35		
9	<i>i·Z</i>	12 08 29	<i>C.</i>	
	<i>e·Z</i>	08 55		
11	<i>e·Z</i>	5 20 47		
11	<i>eP·ZNE</i>	14 23 14		
	$\Delta = 72^\circ$.	$h = 40$ km.	Guerrero, Mexico.	
May				
11	<i>e·Z</i>	16 ^h 53 ^m 23 ^s		
	<i>e·Z</i>	53 51		
12	<i>e·Z</i>	10 15 41		
12	<i>e·Z</i>	11 05 11		
12	<i>e·Z</i>	12 14 39		
12	<i>e·Z</i>	18 37 58		
	<i>e·Z</i>	38 18		
13	<i>iP·Z</i>	9 24 19	<i>C.</i>	
	$\Delta = 79^\circ$.	$h = 183$ km.	Northern Colombia.	
15	<i>eP·ZN</i>	5 37 44		
	<i>iPP·NE</i>	42 12		
	$\Delta = 104^\circ$.	$h = 34$ km.	Banda Sea.	
15	<i>eP·Z</i>	19 40 30		
	$\Delta = 46^\circ$.	$h = 30$ km.	Near eastcoast of Kamchatka.	
18	<i>eP·Z</i>	18 55 42		
	$\Delta = 52^\circ$.	$h = 60$ km.	Northwest of Kurile Islands.	
19	<i>eP·N</i>	15 09 38		
	$\Delta = 72^\circ$.	$h = 33$ km.	Near coast of Guerrero, Mexico.	
20	<i>eP·Z</i>	17 02 28		
	$\Delta = 91^\circ$.	$h = 133$ km.	Mindanao, Philippine Islands.	
21	<i>iP·ZE</i>	12 12 34	<i>C.</i>	
	$\Delta = 57^\circ$.	$h = 25$ km.	Tsinghai Province, China.	
21	<i>iP·Z</i>	12 46 02	<i>C.</i>	
	$\Delta = 57^\circ$.	$h = 25$ km.	Tsinghai Province, China.	
21	<i>iP·Z</i>	13 25 24	<i>C.</i>	
	$\Delta = 57^\circ$.	$h = 25$ km.	Tsinghai Province, China.	
21	<i>iP·Z</i>	21 30 58	<i>C.</i>	
	$\Delta = 57^\circ$.	$h = 33$ km.	Tsinghai Province, China.	
21	<i>ePKP·Z</i>	21 33 46		
	$\Delta = 118^\circ$.	$h = 342$ km.	West of Tonga Islands.	
22	<i>i(P)·Z</i>	0 04 33	<i>C.</i>	trace ampl.: 10 mm.
	<i>e(S)·NE</i>	05 02		
	Near.			
22	<i>eP·Z</i>	11 12 26		
	$\Delta = 57^\circ$.	$h = 25$ km.	Tsinghai Province, China.	
22	<i>eP·Z</i>	23 38 58		
	$\Delta = 57^\circ$.	$h = 25$ km.	Tsinghai Province, China.	
23	<i>eP·Z</i>	1 02 44		
	$\Delta = 57^\circ$.	$h = 39$ km.	Tsinghai Province, China.	

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May

- 23 *iP·Z* 1^h51^m53^s C.
 $\Delta = 57^\circ$. $h = 50$ km. Tsinghai Province, China.
- 23 *ePKP·Z* 21 07 43
 $\Delta = 144^\circ$. $h = 25$ km. South of Australia.
- 25 *eP·Z* 0 54 04
 $\Delta = 23^\circ$. $h = 33$ km. Atlantic, SW of Iceland.
- 26 *e·Z* 1 39 47
- 26 *iP·Z* 19 56 58 C.
 $\Delta = 87^\circ$. $h = 30$ km. Nicobar Islands Region.
- 28 *e(P)·Z* 7 32 42 C. trace ampl.: 6 mm.
Near.
- 30 *eP·Z* 10 12 02
 $\Delta = 53^\circ$. $h = 33$ km. North Atlantic Ocean.
- 31 *iP·ZE* 6 39 43 C.
 $\Delta = 77^\circ$. $h = 258$ km. Volcano Islands Region.

June

- 4 *e·Z* 1 52 02
- 6 *e·Z* 20 57 39
58 38
- 6 *e·Z* 22 06 28
- 8 *iP·Z* 9 22 16
 $\Delta = 69^\circ$. $h = 19$ km. Ryukyu Islands.
- 8 *eP·Z* 19 29 57
 $\Delta = 86^\circ$. $h = 52$ km. Samar, Philippine Islands.
- 9 *eP·Z* 20 09 02
 $\Delta = 75^\circ$. $h = 33$ km. Off coast of Central America.
- 11 *eP·Z* 7 23 13
 $\Delta = 40^\circ$. $h = 33$ km. Yugoslavia.
- 12 *eP·Z* 1 30 36
 $\Delta = 17^\circ$. $h = 33$ km. Iceland.
- 12 *eP·Z* 9 50 24
 $\Delta = 17^\circ$. $h = 33$ km. Iceland.
- 12 *i(P)·Z* 11 35 24 trace ampl.: 2 mm.
e·Z 35 56 trace ampl.: 3 mm.
e·Z 36 26 trace ampl.: 3 mm.
e·Z 36 56 trace ampl.: 4 mm.
Near.
- 12 *e·Z* 16 17 02

June

- 14 *eP·Z* 8^h00^m00^s
ePP·NE 01 49
 $\Delta = 45^\circ$. $h = 30$ km. Komandorsky Islands region.
- 14 *eP·Z* 22 25 30
 $\Delta = 71^\circ$. $h = 33$ km. Ryukyu Islands.
- 23 *eP·Z* 9 55 59
iS·NE 10 05 19 $N: +$, $E: -$.
 $\Delta = 72^\circ$. $h = 33$ km. Ryukyu Islands.
- 25 *eP·NE* 22 21 54
 $\Delta = 73^\circ$. $h = 33$ km. Near the coast of Formosa.
- 25 *eP·Z* 22 59 48
e·N 23 01 36
e·E 01 52
 $\Delta = 6^\circ$. $h = 33$ km. Greenland Sea.
- 26 *e·NE* 0 11 07

July

- 6 *eP·Z* 9 24 35
 $\Delta = 46^\circ$. $h = 30$ km. Ionian Sea.
- 6 *iP·ZNE* 23 14 34 C.
 $\Delta = 53^\circ$. $h = 203$ km. Hindu Kush region.
- 7 *eP·ZNE* 6 21 16
 $\Delta = 47^\circ$. $h = 60$ km. Rat Islands, Aleutian Islands.
- 11 *eP·Z* 12 53 18
 $\Delta = 86^\circ$. $h = 25$ km. Panay, Philippine Islands.
- 15 *eP·ZNE* 6 57 10
 $\Delta = 58^\circ$. $h = 103$ km. Honshu, Japan.
- 16 *eP·ZE* 13 01 28
 $\Delta = 35^\circ$. $h = 39$ km. Central Alaska.
- 25 *ePcP·ZN* 4 49 18
 $\Delta = 68^\circ$. $h = 64$ km. Panama.
- 26 *eP·ZE* 8 26 49
 $\Delta = 79^\circ$. $h = 21$ km. South of Panama.
- 30 *eP·ZNE* 17 30 37
 $\Delta = 102^\circ$. $h = 25$ km. Near north coast of New Guinea.
- 30 *eP·ZE* 20 30 57
 $\Delta = 81^\circ$. $h = 45$ km. Colombia.

August

- 1 *eP·Z* 4 50 51
 $\Delta = 102^\circ$. $h = 33$ km. Near north coast of New Guinea.

Nord 1962

August

1	<i>eP·Z</i>	15 ^h 57 ^m 16 ^s	
	$\Delta = 55^\circ$.	$h = 25$ km.	Kansu Province, China.
3	<i>e·Z</i>	9 13 26	
	<i>iSKS·NE</i>	20 53	
5	<i>iP·E</i>	9 12 24	
	$\Delta = 15^\circ$.		Novaja Zemlya. Explosion.
6	<i>iP·Z</i>	1 44 27	
	$\Delta = 51^\circ$.	$h = 48$ km.	North Atlantic Ridge.
11	<i>eP·ZNE</i>	8 26 49	
	$\Delta = 71^\circ$.	$h = 140$ km.	North-east of Taiwan.
13	<i>eSKS·NE</i>	6 58 53	
	$\Delta = 85^\circ$.	$h = 33$ km.	Off coast of Central America.
17	<i>eP·Z</i>	5 17 08	
	$\Delta = 86^\circ$.	$h = 33$ km.	Panay, Philippine Islands.
18	<i>eP·N</i>	17 53 02	
	$\Delta = 35^\circ$.	$h = 32$ km.	Alaska.
27	<i>eP·Z</i>	16 30 06	
	$\Delta = 60^\circ$.	$h = 40$ km.	Near east coast of Honshu, Japan.
28	<i>iP·ZNE</i>	11 08 11	C.
	<i>iPP·Z</i>	09 45	
	<i>iS·NE</i>	14 47	
	$\Delta = 45^\circ$.	$h = 120$ km.	Southern Greece.
30	<i>e·E</i>	13 55 19	
	<i>iLg·E</i>	14 01 39	
	$\Delta = 50^\circ$.	$h = 37$ km.	Utah.

September

1	<i>eP·Z</i>	3 34 38	
	$\Delta = 47^\circ$.	$h = 25$ km.	Andreanof Islands, Aleutian Islands.
1	<i>eP·Z</i>	7 59 36	
	$\Delta = 47^\circ$.	$h = 42$ km.	Andreanof Islands, Aleutian Islands.
1	<i>iP·ZNE</i>	19 29 46	C.
	$\Delta = 52^\circ$.	$h = 21$ km.	Iran.
1	<i>eP·Z</i>	23 44 29	
	<i>eS·ZNE</i>	45 15	
	$\Delta = 4^\circ$.	$h = 19$ km.	Greenland Sea.
2	<i>i(P)·Z</i>	1 24 10	
	<i>e(S)·Z</i>	1 24 58	
			Svalbard region.
4	<i>eP·Z</i>	13 39 16	
	$\Delta = 52^\circ$.	$h = 24$ km.	Iran.

September

8	<i>eP·Z</i>	13 ^h 14 ^m 27 ^s	
	$\Delta = 68^\circ$.	$h = 33$ km.	Leeward Island.
10	<i>eP·Z</i>	9 45 12	
	$\Delta = 49^\circ$.	$h = 33$ km.	Crete.
10	<i>ePKP·Z</i>	16 01 36	
	$\Delta = 119^\circ$.	$h = 640$ km.	West of Tonga Islands.
12	<i>eP·ZNE</i>	21 06 18	
	<i>eS·NE</i>	13 50	
	$\Delta = 54^\circ$.	$h = 50$ km.	Hindu Kush region.
15	<i>e·Z</i>	12 46 14	
15	<i>eP·Z</i>	23 59 41	
	$\Delta = 50^\circ$.	$h = 33$ km.	Kurile Islands region.
16	<i>eP·Z</i>	22 56 43	
	$\Delta = 74^\circ$.	$h = 33$ km.	Southeast of Taiwan.
17	<i>ePKP·Z</i>	18 13 24	
	$\Delta = 119^\circ$.	$h = 601$ km.	West of Tonga Islands.
18	<i>eP·Z</i>	0 41 08	
	<i>iS·NE</i>	51 06	
	$\Delta = 79^\circ$.	$h = 33$ km.	South of Panama.
18	<i>e·Z</i>	10 27 14	
	<i>e·Z</i>	28 12	
19	<i>eP·Z</i>	5 15 51	
	$\Delta = 50^\circ$.	$h = 466$ km.	Sea of Okhotsk.
19	<i>eP·Z</i>	11 04 42	
	$\Delta = 16^\circ$.		Novaja Zemlya. Explosion.
21	<i>e·Z</i>	13 28 41	
25	<i>e·Z</i>	19 57 07	
		58 13	
28	<i>e·Z</i>	18 08 08	
29	<i>ePKP·Z</i>	15 35 17	
	$\Delta = 111^\circ$.	$h = 575$ km.	Santiago del Estero, Prov., Argentina.
30	<i>e·Z</i>	13 44 58	
October			
5	<i>i·Z</i>	12 34 44	
6	<i>eP·Z</i>	5 49 45	
	$\Delta = 71^\circ$.	$h = 122$ km.	Ryu-Kyu Islands.
8	<i>eP·ZNE</i>	22 07 44	
	$\Delta = 72^\circ$.	$h = 29$ km.	Taiwan.

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October		
9	<i>e</i> · <i>Z</i>	8h44m02s
9	<i>eP</i> · <i>Z</i>	16 08 18
	$\Delta = 54^\circ$.	<i>h</i> = 241 km. Afghanistan-USSR border region.
10	<i>e</i> · <i>Z</i>	15 33 53
13	<i>eP</i> · <i>Z</i>	10 32 43
	$\Delta = 52^\circ$.	<i>h</i> = 33 km. Western Iran.
21	<i>e</i> · <i>Z</i>	21 44 53
22	<i>eP</i> · <i>Z</i>	15 32 18
	$\Delta = 49^\circ$.	<i>h</i> = 19 km. Kurile Islands.
23	<i>iP</i> · <i>Z</i>	9 13 46 D.
	$\Delta = 76^\circ$.	<i>h</i> = 33 km. Venezuela.
24	<i>e</i> · <i>Z</i>	12 11 04
25	<i>eP</i> · <i>Z</i>	9 47 28
	$\Delta = 93^\circ$.	<i>h</i> = 33 km. Talaud Islands.
25	<i>eP</i> · <i>Z</i>	16 04 23
	$\Delta = 78^\circ$.	<i>h</i> = 51 km. Panama-Costa Rica border region.
26	<i>iP</i> · <i>Z</i>	11 35 10
	$\Delta = 51^\circ$.	<i>h</i> = 33 km. Eastern Mediterranean Sea.
26	<i>ePKP</i> · <i>Z</i>	16 17 49
	$\Delta = 137^\circ$.	<i>h</i> = 33 km. South Sandwich Islands region.
27	<i>e</i> · <i>Z</i>	7 50 02
	Novaja Zemlya, explosion?	
27	<i>eP</i> · <i>Z</i>	8 21 49
	$\Delta = 74^\circ$.	<i>h</i> = 107 km. Guatemala.
28	<i>eP</i> · <i>Z</i>	12 18 26
	$\Delta = 82^\circ$.	<i>h</i> = 115 km. Luzon, Philippine Islands.
28	<i>eP</i> · <i>Z</i>	15 13 39
	$\Delta = 96^\circ$.	<i>h</i> = 61 km. Northern Celebes.
28	<i>eP</i> · <i>Z</i>	17 59 40
	$\Delta = 61^\circ$.	<i>h</i> = 48 km. Near east coast of Honshu, Japan.
28	<i>iP</i> · <i>Z</i>	23 04 17 C.
	$\Delta = 72^\circ$.	<i>h</i> = 110 km. Chiapas, Mexico.
29	<i>iP</i> · <i>Z</i>	0 31 46
	$\Delta = 80^\circ$.	<i>h</i> = 21 km. South of Panama.
30	<i>e</i> · <i>Z</i>	1 05 17
30	<i>ePKP</i> · <i>Z</i>	2 05 51
	$\Delta = 135^\circ$.	<i>h</i> = 33 km. Bouvet Island region.

October		
30	<i>eP</i> · <i>Z</i>	8h43m25s
	$\Delta = 75^\circ$.	<i>h</i> = 80 km. Off coast of Central America.
30	<i>eP</i> · <i>Z</i>	16 24 14
	$\Delta = 67^\circ$.	<i>h</i> = 33 km. Eastern India.
31	<i>eP</i> · <i>Z</i>	11 44 42
	$\Delta = 81^\circ$.	<i>h</i> = 33 km. Near west coast of Colombia.
November		
1	<i>eP</i> · <i>Z</i>	15 36 00
	$\Delta = 53^\circ$.	<i>h</i> = 124 km. Afghanistan-USSR border region.
1	<i>eP</i> · <i>Z</i>	18 05 42
	$\Delta = 96^\circ$.	<i>h</i> = 36 km. West New Guinea region.
1	<i>eP</i> · <i>Z</i>	23 30 12
	$\Delta = 55^\circ$.	<i>h</i> = 131 km. Hokkaido, Japan region.
2	<i>e</i> · <i>Z</i>	9 16 26
2	<i>e</i> · <i>Z</i>	14 49 12
2	<i>eP</i> · <i>Z</i>	15 00 48
	$\Delta = 106^\circ$.	<i>h</i> = 33 km. South of Sumbava Island.
2	<i>eP</i> · <i>Z</i>	15 10 34
	$\Delta = 61^\circ$.	<i>h</i> = 75 km. Honshu, Japan.
3	<i>e</i> · <i>Z</i>	10 49 07
3	<i>e</i> · <i>Z</i>	13 56 09
3	<i>eP</i> · <i>Z</i>	14 24 34
	$\Delta = 10^\circ$.	<i>h</i> = 45 km. Norwegian Sea.
3	<i>e</i> · <i>Z</i>	20 59 59
4	<i>e</i> · <i>Z</i>	8 48 43
4	<i>e</i> · <i>Z</i>	22 28 37
4	<i>iPKP</i> · <i>Z</i>	23 12 37
	$\Delta = 128^\circ$.	<i>h</i> = 33 km. Off coast of southern Chile.
5	<i>eP</i> · <i>Z</i>	11 49 57
	$\Delta = 16^\circ$.	<i>h</i> = 33 km. Norwegian Sea.
6	<i>iP</i> · <i>Z</i>	0 19 51
	$\Delta = 60^\circ$.	<i>h</i> = 33 km. Southern Iran.
6	<i>eP</i> · <i>Z</i>	3 45 17
	$\Delta = 47^\circ$.	<i>h</i> = 44 km. Washington-Oregon border region.

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November

7	<i>iP·Z</i>	13 ^h 05 ^m 30 ^s	
	$\Delta = 41^\circ$.	$h = 33$ km.	Azores Islands region.
7	<i>e·Z</i>	16 16 49	
7	<i>eP·Z</i>	22 09 23	
	$\Delta = 81^\circ$.	$h = 95$ km.	Luzon, Philippine Islands.
7	<i>e·Z</i>	22 43 00	
	<i>e·Z</i>	43 24	
9	<i>iP·Z</i>	1 20 19	
	$\Delta = 53^\circ$.	$h = 33$ km.	Western Iran.
9	<i>eP·Z</i>	2 21 59	
	$\Delta = 39^\circ$.	$h = 130$ km.	Rumania.
9	<i>e·Z</i>	4 06 10	
	<i>e·Z</i>	06 29	
9	<i>e·Z</i>	4 10 04	
9	<i>eP·Z</i>	5 34 21	
	$\Delta = 11^\circ$.		Norwegian Sea.
9	<i>iP·Z</i>	9 31 49	
	$\Delta = 62^\circ$.	$h = 33$ km.	Near east coast of Honshu, Japan.
9	<i>eP·Z</i>	14 02 06	
	$\Delta = 70^\circ$.	$h = 452$ km.	Bonin Islands region.
10	<i>e·Z</i>	1 13 24	
10	<i>iP·Z</i>	1 42 41	
	$\Delta = 55^\circ$.	$h = 60$ km.	Kurile Islands.
10	<i>e·Z</i>	5 37 12	
	<i>e·Z</i>	5 38 25	
10	<i>e·Z</i>	22 41 14	
11	<i>eP·Z</i>	11 39 17	
	$\Delta = 40^\circ$.	$h = 33$ km.	Lake Baikal region.
11	<i>eP·Z</i>	15 26 33	
	$\Delta = 68^\circ$.	$h = 34$ km.	Red Sea.
11	<i>ePKP·Z</i>	22 33 22	
	$\Delta = 129^\circ$.	$h = 33$ km.	Off coast of southern Chile.
12	<i>eP·Z</i>	13 00 26	
	$\Delta = 71^\circ$.	$h = 40$ km.	Ryukyu Islands.
13	<i>eP·Z</i>	9 04 12	
	$\Delta = 56^\circ$.	$h = 61$ km.	Hokkaido, Japan region.
16	<i>iP·Z</i>	21 22 08	C.
	$\Delta = 80^\circ$.	$h = 33$ km.	Andaman Islands region.

November

17	<i>iP·Z</i>	11 ^h 18 ^m 45 ^s	C.
	$\Delta = 73^\circ$.	$h = 12$ km.	Near coast of Guerrero, Mexico.
17	<i>e·Z</i>	16 27 26	
	<i>e·Z</i>	27 45	
18	<i>iP·Z</i>	6 56 33	
	$\Delta = 97^\circ$.	$h = 56$ km.	Molucca Sea.
18	<i>e·Z</i>	13 00 19	
19	<i>iP·Z</i>	14 42 18	
	$\Delta = 79^\circ$.	$h = 135$ km.	Northern Colombia.
19	<i>iP·Z</i>	21 52 54	
	$\Delta = 44^\circ$.	$h = 53$ km.	Unimak Island region.
22	<i>e·Z</i>	7 36 48	
24	<i>eP·Z</i>	16 31 09	
	$\Delta = 73^\circ$.	$h = 33$ km.	Central Mid-Atlantic Ridge.
25	<i>e·Z</i>	0 03 55	
25	<i>iP·Z</i>	17 45 57	C.
	$\Delta = 72^\circ$.	$h = 100$ km.	Oaxaca, Mexico.
26	<i>e·Z</i>	2 50 48	
26	<i>i·Z</i>	6 38 35	
27	<i>iP·Z</i>	7 04 03	C.
	$\Delta = 71^\circ$.	$h = 148$ km.	Taiwan region.
27	<i>iP·Z</i>	12 19 27	
	$\Delta = 81^\circ$.	$h = 35$ km.	Luzon, Philippine Islands.
27	<i>iP·Z</i>	17 03 05	
	$\Delta = 86^\circ$.	$h = 33$ km.	South of Mariana Islands.
27	<i>e·Z</i>	21 34 26	
28	<i>iP·Z</i>	2 48 27	
	$\Delta = 86^\circ$.	$h = 33$ km.	South of Mariana Islands.
28	<i>iP·Z</i>	15 38 20	D.
	$\Delta = 83^\circ$.	$h = 53$ km.	Andaman Islands region.
28	<i>i(P)·ZNE</i>	23 57 29	C. trace ampl.: 11 mm.
	<i>i(S)·ZNE</i>	57 54	trace ampl.: 15 mm.
29	<i>e·Z</i>	2 59 01	
29	<i>e·Z</i>	23 44 16	
30	<i>eP·Z</i>	22 02 41	
	$\Delta = 72^\circ$.	$h = 51$ km.	Guerrero, Mexico.

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December

1	<i>eP·Z</i>	1 ^h 58 ^m 37 ^s	
	$\Delta = 45^\circ$.	$h = 38$ km.	Fox Islands, Aleutian Islands.
1	<i>ePKP·Z</i>	4 35 59	
	$\Delta = 128^\circ$.	$h = 52$ km.	Kermadec Islands.
1	<i>e·Z</i>	9 27 59	
	<i>e·Z</i>	29 49	
2	<i>e·Z</i>	4 23 44	
3	<i>e·Z</i>	13 26 35	
4	<i>e·Z</i>	12 20 52	
4	<i>i·Z</i>	15 07 45	
4	<i>e·Z</i>	18 05 14	
5	<i>e·Z</i>	0 13 00	
5	<i>e·Z</i>	6 08 22	
5	<i>e·Z</i>	9 57 02	
5	<i>e·Z</i>	16 06 36	
6	<i>e·Z</i>	7 03 24	
7	<i>eP·Z</i>	9 45 46	
	$\Delta = 57^\circ$.	$h = 33$ km.	Northern China.
7	<i>iP·ZN</i>	14 14 01	C.
	<i>iS·NE</i>	22 29	
	$\Delta = 69^\circ$.	$h = 411$ km.	South of Honshu.
8	<i>eP·Z</i>	21 40 47	
	$\Delta = 110^\circ$.	$h = 620$ km.	Salta Province, Argentina.
8	<i>eP·Z</i>	23 03 36	
	$\Delta = 48^\circ$.	$h = 33$ km.	Andreanof Islands, Aleutian Islands.
8	<i>e·Z</i>	23 25 28	
9	<i>i·Z</i>	16 16 00	
10	<i>iPKP·Z</i>	5 14 59	
	$\Delta = 116^\circ$.	$h = 33$ km.	Atlantic-Indian rise.
10	<i>e·Z</i>	5 58 46	
11	<i>ePKP·Z</i>	2 53 42	
	$\Delta = 145^\circ$.	$h = 33$ km.	South of Australia.
12	<i>e·Z</i>	10 23 07	
12	<i>e·Z</i>	13 12 04	

December

12	<i>iP·Z</i>	23 ^h 09 ^m 25 ^s	
	<i>ePcP·Z</i>	09 41	
	$\Delta = 88^\circ$.	$h = 138$ km.	Off west coast of northern Sumatra.
13	<i>iP·Z</i>	0 37 36	
	$\Delta = 86^\circ$.	$h = 33$ km.	Nicobar Islands region.
13	<i>eP·Z</i>	4 27 56	
	$\Delta = 33^\circ$.	$h = 47$ km.	Central Alaska.
13	<i>eP·Z</i>	15 04 14	
	$\Delta = 35^\circ$.	$h = 69$ km.	Southern Alaska.
13	<i>eP·Z</i>	22 54 13	
	$\Delta = 49^\circ$.	$h = 39$ km.	Eastern Mediterranean Sea.
18	<i>eP·Z</i>	3 06 02	
	$\Delta = 77^\circ$.	$h = 306$ km.	Mariana Islands region.
18	<i>iP·Z</i>	7 29 46	
	$\Delta = 49^\circ$.		Crete.
18	<i>e·Z</i>	13 38 10	
20	<i>i·Z</i>	5 05 32	
20	<i>e·Z</i>	21 44 42	
21	<i>eP·Z</i>	0 58 17	
	$\Delta = 103^\circ$.	$h = 64$ km.	South of Java.
21	<i>iP·Z</i>	6 36 04	
	$\Delta = 45^\circ$.	$h = 33$ km.	Fox Islands, Aleutian Islands.
21	<i>iP·Z</i>	8 51 04	
	$\Delta = 45^\circ$.	$h = 33$ km.	Fox Islands, Aleutian Islands.
21	<i>iP·Z</i>	9 08 58	
	$\Delta = 45^\circ$.	$h = 33$ km.	Fox Islands, Aleutian Islands.
21	<i>eP·Z</i>	9 18 17	
	$\Delta = 45^\circ$.	$h = 33$ km.	Fox Islands, Aleutian Islands.
21	<i>eP·Z</i>	9 42 50	
	$\Delta = 56^\circ$.	$h = 27$ km.	Hokkaido, Japan, region.
22	<i>eP·ZNE</i>	15 28 45	
	$\Delta = 45^\circ$.	$h = 47$ km.	Fox Islands, Aleutian Islands.
24	<i>eP·ZE</i>	11 15 32	
	$\Delta = 17^\circ$.	$h = 0$ km.	Novaja Zemlya. Explosion.
25	<i>e·Z</i>	18 39 22	
26	<i>iP·Z</i>	6 23 45	D.
	$\Delta = 71^\circ$.	$h = 32$ km.	Windward Islands.

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December		
26	<i>eP·Z</i>	9h06m05s
	$\Delta = 43^\circ$. $h = 19$ km. North Atlantic Ocean.	
26	<i>iP·ZNE</i>	22 33 25
	<i>eS·E</i>	39 56
	$\Delta = 45^\circ$. $h = 33$ km. Komandorsky Islands region.	
26	<i>eP·Z</i>	23 35 56
	$\Delta = 65^\circ$. $h = 34$ km. Near coast of west Pakistan.	
26	<i>iP·Z</i>	23 54 24
	$\Delta = 45^\circ$. $h = 33$ km. Komandorsky Islands region.	
27	<i>iP·Z</i>	18 28 34 C.
	$\Delta = 58^\circ$. $h = 36$ km. Near east coast of Honshu, Japan.	
31	<i>eP·Z</i>	8 08 43
	$\Delta = 46^\circ$. $h = 51$ km. Off east coast of Kamchatka.	
31	<i>eP·Z</i>	11 14 16
	$\Delta = 94^\circ$. $h = 33$ km. Southern Sumatra.	

Local shocks.

January		
	(P)	(S)
2	2 ^h <i>e</i> 15m40s	<i>i</i> 16m01s
	8 <i>i</i> 02 31	
	10 <i>i</i> 43 11	
	13 <i>e</i> 45 15	
	15 <i>e</i> 34 28	
3	3 <i>e</i> 54 01	
	12 <i>e</i> 34 54	
	19 <i>i</i> 50 53	
	22 <i>e</i> 51 55	
4	16 <i>i</i> 33 47	<i>e</i> 34 38
5	7 <i>e</i> 27 35	
	13 <i>e</i> 42 11	
	23 <i>e</i> 45 24	<i>e</i> 00 43
6	19 <i>e</i> 19 28	<i>e</i> 20 16
7	12 <i>e</i> 40 27	
8	7 <i>e</i> 23 28	
	7 <i>e</i> 40 56	
9	7 <i>e</i> 02 00	<i>e</i> 02 19
	22 <i>e</i> 14 08	
10	10 <i>e</i> 50 00	
11	8 <i>e</i> 27 53	<i>e</i> 29 44
	21 <i>i</i> 29 01	
	21 <i>e</i> 33 10	<i>e</i> 33 38
	21 <i>e</i> 38 13	<i>e</i> 38 42
	21 <i>i</i> 46 48	<i>i</i> 47 18 trace ampl.: 5 mm, 10 mm.
	21 <i>i</i> 55 42	
	21 <i>i</i> 58 55	<i>i</i> 59 23 trace ampl.: 2 mm, 4 mm.
	23 <i>e</i> 39 25	<i>e</i> 39 58 trace ampl.: 1 mm, 4 mm.
12	4 <i>e</i> 12 36	<i>e</i> 13 04
13	2 <i>e</i> 23 38	

January		
	(P)	(S)
13	12 <i>i</i> 31m52s	
	15 <i>i</i> 29 21	<i>i</i> 29m49s
	18 <i>e</i> 19 51	<i>e</i> 20 20
15	2 ^h <i>e</i> 05 01	<i>e</i> 05 43
	7 <i>e</i> 07 45	
	8 <i>e</i> 29 36	
16	21 <i>i</i> 45 03	
17	16 <i>e</i> 09 31	
19	23 <i>i</i> 31 43	<i>e</i> 32 00
21	4 <i>e</i> 49 46	
22	19 <i>e</i> 43 08	<i>e</i> 43 36
24	8 <i>i</i> 07 23	<i>e</i> 08 03
24	8 <i>i</i> 20 35	trace ampl.: 8 mm.
25	1 <i>e</i> 26 16	
	21 <i>e</i> 05 17	
27	16 <i>i</i> 47 23	<i>i</i> 47 42
February		
6	14 <i>i</i> 06 46	trace ampl.: ab. 10 mm.
7	4 <i>e</i> 11 23	
8	18 <i>e</i> 55 17	<i>e</i> 55 53
12	9 <i>e</i> 49 35	
	9 <i>e</i> 51 32	
13	1 <i>i</i> 00 45	
	7 <i>e</i> 03 00	
	19 <i>i</i> 01 46	<i>i</i> 02 06
14	12 <i>e</i> 14 41	<i>e</i> 15 07 trace ampl.: 1mm, 4 mm.
15	18 <i>e</i> 47 31	
	18 <i>e</i> 57 28	
16	8 <i>e</i> 54 53	
17	16 <i>e</i> 48 17	
20	17 <i>e</i> 00 16	
22	20 <i>e</i> 04 55	<i>i</i> 05 26
23	12 <i>e</i> 41 46	
24	20 <i>i</i> 25 55	trace ampl.: 8 mm.
25	10 <i>i</i> 07 16	
26	8 <i>e</i> 15 48	<i>e</i> 16 23
28	5 <i>i</i> 50 43	
	12 <i>e</i> 27 20	<i>i</i> 27 39
	13 <i>e</i> 04 33	<i>i</i> 04 53
	23 <i>i</i> 15 39	<i>i</i> 15 58
March		
3	19 <i>i</i> 30 41	
	19 <i>i</i> 31 47	
4	19 <i>i</i> 32 44	<i>e</i> 33 22 trace ampl.: 2 mm, 10 mm.
8	23 <i>e</i> 46 47	<i>e</i> 47 24
9	23 <i>i</i> 42 54	<i>i</i> 43 14
10	18 <i>e</i> 40 50	
	23 <i>e</i> 31 04	
11	1 <i>e</i> 05 13	
12	22 <i>e</i> 34 03	
13	2 <i>i</i> 46 19	<i>i</i> 46 21
14	16 <i>i</i> 36 04	<i>i</i> 36 23
16	0 <i>e</i> 23 47	
	2 <i>e</i> 23 09	<i>e</i> 23 40

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March				August			
		(P)	(S)			(P)	(S)
18	18 ^h	e 22 ^m 20 ^s	e 22 ^m 39 ^s	28	9 ^h	e 37 ^m 26 ^s	
19	4	i 00 41	i 01 05	September			
	19	e 36 40		1	23	e 44 29	i 45 ^m 15 ^s
22	6	i 53 48		2	1	i 24 10	e 24 58
	20	e 30 20		4	16	e 32 38	e 32 58
24	10	i 57 07	i 57 27	6	12	i 15 42	e 16 14
25	20	e 45 14		14	12	e 40 40	
26	11	e 49 45	e 50 16		15	e 56 41	e 57 18
27	9	e 48 42	i 49 30	October			
	22	e 27 26	e 27 46	4	4	i 45 45	
28	6	e 23 01	e 23 21	16	16	e 07 38	e 08 06
29	16	e 50 34	e 50 58	19	18	e 10 11	
29	19	i 32 09	i 32 54	22	17	e 00 18	e 00 46
	22	e 51 38	e 52 08	25	13	i 54 31	
				26	14	e 11 20	
April				29	10	e 09 48	
2	19	e 22 02	i 22 24		13	e 45 45	
7	1	e 41 16	e 41 40	November			
7	19	e 20 55	i 21 35	2	19	e 33 24	
8	9	e 53 55	e 54 17	3	11	e 29 45	
	15	i 25 46		4	13	e 38 23	e 38 49
			trace disappeared.	5	0	e 51 50	
9	7	i 37 05	i 37 24		0	i 58 05	i 58 29
16	21	i 57 41	i 58 08	6	22	i 27 30	e 28 00
18	8	i 04 17	i 04 57	10	3	i 42 41	
25	0	e 11 26		13	21	i 35 20	
	16	e 41 09	e 41 42	15	6	e 35 40	
26	3	e 15 00	e 15 37	17	9	e 44 00	e 44 28
30	3	i 58 30	i 59 00	18	14	i 41 36	
				20	11	e 47 50	e 48 07
May				21	2	i 27 43	e 28 08
2	22	e 17 01	e 17 26	28	23	i 57 29	i 57 54
5	12	e 35 28	e 36 04	December			
8	23	e 53 18		2	4	e 03 09	e 03 38
12	15	e 45 47	e 46 23		18	e 23 52	e 24 16
20	22	e 36 33		3	1	e 02 17	
22	0	i 04 33	e 05 02	5	15	e 07 19	
23	2	e 30 24	e 30 47		16	e 32 59	
24	11	e 39 04	e 39 21	6	19	i 14 45	i 15 13
25	3	e 22 06			19	i 54 43	e 55 00
28	7	i 32 42		8	14	e 25 33	
31	12	e 39 57		10	6	e 58 05	
				19	10	e 43 59	e 44 28
June				24	13	e 28 06	
2	19	i 10 47		26	8	e 25 28	e 26 00
12	11	e 35 24		ERIK HJORTENBERG			
	11	e 46 32	47 04				
	13	e 58 14					
14	22	e 03 03	e 03 40				
July							
1	18	e 56 58					
8	14	e 34 36	e 34 56				