

GEODÆTISK INSTITUT

Proviantgården · Copenhagen · Denmark

Bulletin of the seismological station

NORD

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

Lithologic foundation: calcareous greywacke

Instruments.

Willmore. $Z.$ $T_p = 1$ sec, $T_g = 1/4$ sec. No attenuation.Strobach. N and $E.$ $T = 6$ 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.

January	
1 <i>eP</i> · <i>Z</i>	23 ^b 48 ^m 47 ^s Δ = 47°. <i>h</i> = 33 km. Rat Islands, Aleutian Islands.
2 <i>eP</i> · <i>Z</i>	12 24 35 trace ampl.: 4 mm. Δ = 6°. <i>h</i> = 33 km. Svalbard region.
2 <i>ePKP</i> · <i>Z</i>	23 27 23 Δ = 129°. Kermadec Islands.
3 <i>eP</i> · <i>Z</i>	18 01 28 Δ = 47°. <i>h</i> = 68 km. Rat Islands, Aleutian Islands.
4 <i>eP</i> · <i>Z</i>	4 46 11 Δ = 64°. <i>h</i> = 43 km. Near S. coast of southern Honshu.
7 <i>eP</i> · <i>Z</i>	1 22 02 Δ = 41°. <i>h</i> = 33 km. South of Alaska.
7 <i>eP</i> · <i>Z</i>	10 10 47 Δ = 40°. <i>h</i> = 33 km. Yugoslavia.
8 <i>eP</i> · <i>Z</i>	1 11 10 Δ = 67°. <i>h</i> = 32 km. Dominican Republic region.
8 <i>ePKP</i> · <i>Z</i>	6 01 43 Δ = 122°. <i>h</i> = 133 km. South of Fiji Islands.
8 <i>i(P)</i> · <i>Z</i>	7 28 26 <i>D.</i>
<i>e(S)</i> · <i>Z</i>	29 31
8 <i>e</i> · <i>Z</i>	22 33 59
9 <i>eP</i> · <i>Z</i>	12 50 17 Δ = 55°. <i>h</i> = 53 km. Hokkaido, Japan region.
9 <i>eP</i> · <i>Z</i>	22 22 04 Δ = 50°. <i>h</i> = 436 km. Sea of Okhotsk.
10 <i>e</i> · <i>Z</i>	3 09 34
11 <i>iP</i> · <i>Z</i>	3 12 04 <i>C.</i> Δ = 64°. <i>h</i> = 39 km. Nepal.
11 <i>iP</i> · <i>Z</i>	5 12 37 <i>C.</i> Δ = 40°. <i>h</i> = 33 km. Yugoslavia.
11 <i>eP</i> · <i>Z</i>	6 57 35 Δ = 48°. <i>h</i> = 62 km. Andreanov Islands, Aleutian Islands.
11 <i>eP</i> · <i>Z</i>	12 34 06 Δ = 8°. Svalbard region.
11 <i>i(P)</i> · <i>Z</i>	21 46 48 trace ampl.: 5 mm.
<i>i(S)</i> · <i>ZNE</i>	47 18 trace ampl.: 10 mm.
	Near.
11 <i>e(P)</i> · <i>Z</i>	21 58 55 trace ampl.: 2 mm.
<i>i(S)</i> · <i>Z</i>	59 23 trace ampl.: 4 mm.
	Near.

January	
11 <i>e(P)</i> · <i>Z</i>	23 ^b 39 ^m 25 ^s trace ampl.: 1 mm.
<i>e(S)</i> · <i>Z</i>	39 58 trace ampl.: 4 mm.
	Near.
14 <i>i</i> · <i>Z</i>	14 47 34 <i>C.</i>
15 <i>e</i> · <i>Z</i>	7 10 57
15 <i>e</i> · <i>Z</i>	8 33 08
16 <i>e</i> · <i>Z</i>	4 16 07
16 <i>ePKP</i> · <i>Z</i>	11 54 44 Δ = 129°. <i>h</i> = 39 km. Kermadec Islands.
16 <i>iP</i> · <i>Z</i>	18 29 07 <i>C.</i> Δ = 74°. <i>h</i> = 30 km. Central Mid-Atlantic Ridge.
17 <i>eP</i> · <i>Z</i>	15 42 29 Δ = 93°. <i>h</i> = 63 km. Talaud Islands.
17 <i>eP</i> · <i>Z</i>	15 56 26 Δ = 93°. <i>h</i> = 80 km. Talaud Islands.
18 <i>e</i> · <i>Z</i>	5 53 17
18 <i>e</i> · <i>Z</i>	6 52 18
18 <i>i</i> · <i>Z</i>	12 50 51 <i>C.</i>
19 <i>eP</i> · <i>Z</i>	6 09 40 Δ = 48°. <i>h</i> = 29 km. Off east coast of Kamchatka.
19 <i>eP</i> · <i>Z</i>	19 46 18 Δ = 45°. <i>h</i> = 33 km. Southern Greece.
19 <i>eP</i> · <i>Z</i>	22 26 41 Δ = 45°. <i>h</i> = 46 km. Southern Greece.
21 <i>iP</i> · <i>Z</i>	5 23 37 <i>C.</i>
<i>i</i> · <i>Z</i>	23 56
21 <i>e</i> · <i>Z</i>	16 38 43
22 <i>eP</i> · <i>Z</i>	7 34 32 Δ = 42°. <i>h</i> = 33 km. USSR-Mongolia border region.
23 <i>iP</i> · <i>Z</i>	16 07 39 Δ = 45°. <i>h</i> = 65 km. Fox Islands, Aleutian Islands.
24 <i>e</i> · <i>Z</i>	0 17 30
24 <i>i</i> · <i>Z</i>	8 20 35 trace ampl.: 8 mm.
	Near.
24 <i>e</i> · <i>Z</i>	8 52 18
24 <i>e</i> · <i>Z</i>	10 04 41

January	
24 <i>iP</i> · <i>Z</i>	15 ^b 51 ^m 04 ^s <i>D.</i> Δ = 72°. <i>h</i> = 72 km. Taiwan.
25 <i>eP</i> · <i>Z</i>	0 37 22 <i>C.</i> Δ = 42°. <i>h</i> = 33 km. Alaska Peninsula.
26 <i>iP</i> · <i>Z</i>	5 33 01 Δ = 66°. <i>h</i> = 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 Δ = 49°. <i>h</i> = 33 km. Mediterranean Sea.
28 <i>e</i> · <i>Z</i>	0 36 10
30 <i>eP</i> · <i>Z</i>	8 45 58 Δ = 74°. <i>h</i> = 49 km. Honduras.
30 <i>e</i> · <i>Z</i>	10 30 29
30 <i>eP</i> · <i>Z</i>	17 19 46 Δ = 19°. <i>h</i> = 33 km. East of Severnaja Zemlja.
31 <i>eP</i> · <i>Z</i>	0 15 00 Δ = 52°. <i>h</i> = 73 km. Afghanistan-USSR border region.
February	
1 <i>ePKP</i> · <i>Z</i>	0 59 01 Δ = 129°. <i>h</i> = 30 km. Kermadec Islands region.
1 <i>eP</i> · <i>Z</i>	11 38 26 Δ = 93°. <i>h</i> = 37 km. Talaud Islands.
2 <i>e</i> · <i>Z</i>	1 58 58
2 <i>iP</i> · <i>Z</i>	8 07 50 <i>C.</i> Δ = 42 km. <i>h</i> = 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> Δ = 62°. <i>h</i> = 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 Δ = 93°. <i>h</i> = 48 km. Northern Sumatra.
9 <i>iP</i> · <i>Z</i>	22 04 37 Δ = 96°. <i>h</i> = 121 km. Northern Celebes.

February	
11 <i>eP</i> · <i>Z</i>	2 ^b 52 ^m 56 ^s Δ = 68°. <i>h</i> = 401 km. South of Honshu, Japan.
11 <i>eP</i> · <i>Z</i>	10 09 42 Δ = 46°. <i>h</i> = 50 km. Fox Islands, Aleutian Islands.
13 <i>eP</i> · <i>Z</i>	0 52 08 Δ = 28°. <i>h</i> = 33 km. North Atlantic Ocean.
14 <i>ePKP</i> · <i>Z</i>	6 54 52 Δ = 123°. <i>h</i> = 45 km. Central Chile.
14 <i>iP</i> · <i>Z</i>	11 56 27 Δ = 91°. <i>h</i> = 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 Δ = 49°. <i>h</i> = 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 Δ = 57°. <i>h</i> = 36 km. Hokkaido, Japan region.
18 <i>iP</i> · <i>Z</i>	17 37 07 <i>D.</i> Δ = 77°. <i>h</i> = 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 Δ = 86°. <i>h</i> = 33 km. Nicobar Islands region.
20 <i>eP</i> · <i>Z</i>	16 15 12
<i>iPcP</i> · <i>Z</i>	16 16 Δ = 55°. <i>h</i> = 56 km. Hokkaido, Japan region.
20 <i>ePKP</i> · <i>Z</i>	20 31 00 Δ = 145°. <i>h</i> = 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 Δ = 33°. <i>h</i> = 100 km. Central Alaska.

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.

March

25 *e*·*Z* 8^h21^m07^s
 $\Delta = 47^\circ$, $h = 45$ km. Fox Islands, Aleutian Islands.

25 *e*·*Z* 12 03 33

25 *iP*·*Z* 21 46 02 *D.*
 $\Delta = 44^\circ$, $h = 330$ km. Sicily.

26 *i*·*Z* 5 31 34 *C.*
e·*Z* 32 19

26 *eP*·*Z* 12 17 16
 $\Delta = 82^\circ$, $h = 33$ km. Central Mid-Atlantic Ridge.

26 *ePKP*·*Z* 16 51 41
 $\Delta = 125^\circ$, $h = 32$ km. Northeastern Argentina.

26 *e*·*Z* 22 21 07

27 *e*·*Z* 1 52 30

27 *eP*·*Z* 21 30 54
 $\Delta = 73^\circ$, $h = 30$ km. Near coast of Guerrero, Mexico.

28 *eP*·*Z* 1 01 10
 $\Delta = 53^\circ$, $h = 108$ km. Afghanistan-USSR border region.

28 *iP*·*Z* 4 18 26 *C.*
 $\Delta = 92^\circ$, $h = 33$ km. Northern Sumatra.

28 *eP*·*Z* 13 34 46
 $\Delta = 47^\circ$, $h = 33$ km. Northern Sinkiang Province, China.

28 *eP*·*Z* 14 46 32
eS·*Z* 47 46
 $\Delta = 5^\circ$. Near north coast of Greenland.

28 *e*·*Z* 17 41 35

28 *e*·*Z* 21 32 40

29 *e*·*Z* 6 54 48

29 *iP*·*Z* 19 32 09 *C.* trace ampl.: 10 mm.
iS·*Z* 32 54
 $\Delta = 4^\circ$, $h = 33$ km. Greenland Sea.

30 *e*·*Z* 0 17 54

30 *e*·*Z* 7 09 44

April

1 *eP*·*Z* 0 54 46
 $\Delta = 55^\circ$, $h = 33$ km. Iran.

1 *eP*·*Z* 9 30 20
 $\Delta = 16^\circ$, $h = 25$ km. East of Severnaya Zemlya.

April

1 *eP*·*Z* 12^h08^m13^s
 $\Delta = 44^\circ$, $h = 36$ km. Unimak Island region.

2 *e*·*Z* 0 10 50
i·*Z* 12 00

2 *e*·*Z* 0 26 34

3 *e*·*Z* 1 35 42
i·*Z* 36 12

4 *e*·*Z* 1 38 48

4 *eP*·*Z* 5 50 01
 $\Delta = 49^\circ$, $h = 56$ km. Crete.

4 *e*·*Z* 8 43 48

4 *e*·*Z* 8 45 41

4 *eP*·*Z* 14 14 34
 $\Delta = 78^\circ$, $h = 23$ km. Costa Rica.

4 *iP*·*Z* 20 03 59 *C.*
 $\Delta = 49^\circ$, $h = 27$ km. Crete.

4 *iP*·*Z* 20 59 55 *C.*
 $\Delta = 49^\circ$, $h = 21$ km. Crete.

4 *iP*·*Z* 21 08 26 *C.*
 $\Delta = 49^\circ$, $h = 25$ km. Crete.

5 *i*·*Z* 3 22 09 *D.*

5 *eP*·*Z* 3 48 12
 $\Delta = 44^\circ$, $h = 65$ km. Unimak Island region.

5 *e*·*Z* 4 36 14

6 *e*·*Z* 2 02 19

6 *e*·*Z* 20 57 06

7 *e(P)*·*Z* 1 41 16 trace ampl.: 2 mm.
e(S)·*Z* 41 40 trace ampl.: 6 mm.
 Near.

7 *eP*·*Z* 6 34 25
 $\Delta = 88^\circ$, $h = 50$ km. South of Mariana Island.

7 *iP*·*Z* 23 15 11 *C.*
epP·*Z* 15 28
 $\Delta = 69^\circ$, $h = 77$ km. Arabian Sea.

8 *e*·*Z* 5 14 21
i·*Z* 14 46

8 *e*·*Z* 5 30 30

April			
8	<i>i(P)·Z</i>	15 ^b 25 ^m 46 ^s D.	trace disappeared.
	Near.		
9	<i>i(P)·ZNE</i>	7 37 05 C.	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 C.	
	$\Delta = 48^\circ$.	$h = 33$ 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 C.	
	$\Delta = 60^\circ$.	$h = 26$ 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·ZNE</i>	21 57 41 C.	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 C.	
	$\Delta = 41^\circ$.	$h = 25$ km.	Adriatic Sea.

April			
17	<i>eP·Z</i>	11 ^b 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 D.	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 C.	
	<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 C.	
	$\Delta = 65^\circ$.	$h = 181$ km.	Kyushu, Japan.
23	<i>iP·ZNE</i>	6 07 40 C.	
	$\Delta = 55^\circ$.	$h = 25$ 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.

28	<i>iP·Z</i>	12 ^b 52 ^m 24 ^s D.	
	$\Delta = 48^\circ$.	$h = 48$ km.	Dodecanese Islands.
30	<i>iP·ZNE</i>	2 36 25 C.	
	$\Delta = 59^\circ$.	$h = 104$ km.	Honshu, Japan.
30	<i>iP·ZNE</i>	3 58 30 D.	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 C.	
	$\Delta = 55^\circ$.	$h = 49$ km.	Hokkaido, Japan region.
3	<i>i·Z</i>	3 38 31 C.	
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 C.	
	<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 ^b 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 C.	
	$\Delta = 79^\circ$.	$h = 183$ 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 east coast 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 C.	
	$\Delta = 57^\circ$.	$h = 25$ km.	Tsinghai Province, China.
21	<i>iP·Z</i>	12 46 02 C.	
	$\Delta = 57^\circ$.	$h = 25$ km.	Tsinghai Province, China.
21	<i>iP·Z</i>	13 25 24 C.	
	$\Delta = 57^\circ$.	$h = 25$ km.	Tsinghai Province, China.
21	<i>iP·Z</i>	21 30 58 C.	
	$\Delta = 57^\circ$.	$h = 33$ 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 C.	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.

May		
23	<i>iP·Z</i>	1 ^h 51 ^m 53 ^s C. $\Delta = 57^\circ$. $h = 50$ km. Tsinghai Province, China.
23	<i>ePKP·Z</i>	21 07 43 $\Delta = 144^\circ$. $h = 25$ km. South of Australia.
25	<i>eP·Z</i>	0 54 04 $\Delta = 23^\circ$. $h = 33$ km. Atlantic, SW of Iceland.
26	<i>e·Z</i>	1 39 47
26	<i>iP·Z</i>	19 56 58 C. $\Delta = 87^\circ$. $h = 30$ km. Nicobar Islands Region.
28	<i>e(P)·Z</i>	7 32 42 C. trace ampl.: 6 mm. Near.
30	<i>eP·Z</i>	10 12 02 $\Delta = 53^\circ$. $h = 33$ km. North Atlantic Ocean.
31	<i>iP·ZE</i>	6 39 43 C. $\Delta = 77^\circ$. $h = 258$ km. Volcano Islands Region.
June		
4	<i>e·Z</i>	1 52 02
6	<i>e·Z</i>	20 57 39 58 38
6	<i>e·Z</i>	22 06 28
8	<i>iP·Z</i>	9 22 16 $\Delta = 69^\circ$. $h = 19$ km. Ryukyu Islands.
8	<i>eP·Z</i>	19 29 57 $\Delta = 86^\circ$. $h = 52$ km. Samar, Philippine Islands.
9	<i>eP·Z</i>	20 09 02 $\Delta = 75^\circ$. $h = 33$ km. Off coast of Central America.
11	<i>eP·Z</i>	7 23 13 $\Delta = 40^\circ$. $h = 33$ km. Yugoslavia.
12	<i>eP·Z</i>	1 30 36 $\Delta = 17^\circ$. $h = 33$ km. Iceland.
12	<i>eP·Z</i>	9 50 24 $\Delta = 17^\circ$. $h = 33$ km. Iceland.
12	<i>i(P)·Z</i>	11 35 24 trace ampl.: 2 mm.
	<i>e·Z</i>	35 56 trace ampl.: 3 mm.
	<i>e·Z</i>	36 26 trace ampl.: 3 mm.
	<i>e·Z</i>	36 56 trace ampl.: 4 mm.
		Near.
12	<i>e·Z</i>	16 17 02

June		
14	<i>eP·Z</i>	8 ^h 00 ^m 00 ^s <i>ePP·NE</i> 01 49 $\Delta = 45^\circ$. $h = 30$ km. Komandorsky Islands region.
14	<i>eP·Z</i>	22 25 30 $\Delta = 71^\circ$. $h = 33$ km. Ryukyu Islands.
23	<i>eP·Z</i>	9 55 59 <i>iS·NE</i> 10 05 19 N: +, E: -. $\Delta = 72^\circ$. $h = 33$ km. Ryukyu Islands.
25	<i>eP·NE</i>	22 21 54 $\Delta = 73^\circ$. $h = 33$ km. Near the coast of Formosa.
25	<i>eP·Z</i>	22 59 48 <i>e·N</i> 23 01 36 <i>e·E</i> 01 52 $\Delta = 6^\circ$. $h = 33$ km. Greenland Sea.
26	<i>e·NE</i>	0 11 07
July		
6	<i>eP·Z</i>	9 24 35 $\Delta = 46^\circ$. $h = 30$ km. Ionian Sea.
6	<i>iP·ZNE</i>	23 14 34 C. $\Delta = 53^\circ$. $h = 203$ km. Hindu Kush region.
7	<i>eP·ZNE</i>	6 21 16 $\Delta = 47^\circ$. $h = 60$ km. Rat Islands, Aleutian Islands.
11	<i>eP·Z</i>	12 53 18 $\Delta = 86^\circ$. $h = 25$ km. Panay, Philippine Islands.
15	<i>eP·ZNE</i>	6 57 10 $\Delta = 58^\circ$. $h = 103$ km. Honshu, Japan.
16	<i>eP·ZE</i>	13 01 28 $\Delta = 35^\circ$. $h = 39$ km. Central Alaska.
25	<i>ePcP·ZN</i>	4 49 18 $\Delta = 68^\circ$. $h = 64$ km. Panama.
26	<i>eP·ZE</i>	8 26 49 $\Delta = 79^\circ$. $h = 21$ km. South of Panama.
30	<i>eP·ZNE</i>	17 30 37 $\Delta = 102^\circ$. $h = 25$ km. Near north coast of New Guinea.
30	<i>eP·ZE</i>	20 30 57 $\Delta = 81^\circ$. $h = 45$ km. Colombia.
August		
1	<i>eP·Z</i>	4 50 51 $\Delta = 102^\circ$. $h = 33$ km. Near north coast of New Guinea.

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.

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

October	
30 eP-Z	8 ^h 43 ^m 25 ^s $\Delta = 75^\circ$, $h = 80$ km. Off coast of Central America.
30 eP-Z	16 24 14 $\Delta = 67^\circ$, $h = 33$ km. Eastern India.
31 eP-Z	11 44 42 $\Delta = 81^\circ$, $h = 33$ km. Near west coast of Colombia.
November	
1 eP-Z	15 36 00 $\Delta = 53^\circ$, $h = 124$ km. Afghanistan-USSR border region.
1 eP-Z	18 05 42 $\Delta = 96^\circ$, $h = 36$ km. West New Guinea region.
1 eP-Z	23 30 12 $\Delta = 55^\circ$, $h = 131$ km. Hokkaido, Japan region.
2 e-Z	9 16 26
2 e-Z	14 49 12
2 eP-Z	15 00 48 $\Delta = 106^\circ$, $h = 33$ km. South of Sumbava Island.
2 eP-Z	15 10 34 $\Delta = 61^\circ$, $h = 75$ km. Honshu, Japan.
3 e-Z	10 49 07
3 e-Z	13 56 09
3 eP-Z	14 24 34 $\Delta = 10^\circ$, $h = 45$ km. Norwegian Sea.
3 e-Z	20 59 59
4 e-Z	8 48 43
4 e-Z	22 28 37
4 iPKP-Z	23 12 37 $\Delta = 128^\circ$, $h = 33$ km. Off coast of southern Chile.
5 eP-Z	11 49 57 $\Delta = 16^\circ$, $h = 33$ km. Norwegian Sea.
6 iP-Z	0 19 51 $\Delta = 60^\circ$, $h = 33$ km. Southern Iran.
6 eP-Z	3 45 17 $\Delta = 47^\circ$, $h = 44$ km. Washington-Oregon border region.

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

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

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.

December	
26 <i>eP·Z</i>	9 ^h 06 ^m 05 ^s $\Delta = 43^\circ$. $h = 19$ 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> 15 ^m 40 ^s <i>i</i> 16 ^m 01 ^s
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

Januar	(P)	(S)
13 12	<i>i</i> 31 ^m 52 ^s	
15	<i>i</i> 29 21	<i>i</i> 29 ^m 49 ^s
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		(P)	(S)
18	18 ^h	<i>e</i> 22 ^m 20 ^s	<i>e</i> 22 ^m 39 ^s
19	4	<i>i</i> 00 41	<i>i</i> 01 05
	19	<i>e</i> 36 40	
22	6	<i>i</i> 53 48	
	20	<i>e</i> 30 20	
24	10	<i>i</i> 57 07	<i>i</i> 57 27
25	20	<i>e</i> 45 14	
26	11	<i>e</i> 49 45	<i>e</i> 50 16
27	9	<i>e</i> 48 42	<i>i</i> 49 30
	22	<i>e</i> 27 26	<i>e</i> 27 46
28	6	<i>e</i> 23 01	<i>e</i> 23 21
29	16	<i>e</i> 50 34	<i>e</i> 50 58
29	19	<i>i</i> 32 09	<i>i</i> 32 54
	22	<i>e</i> 51 38	<i>e</i> 52 08

April		(P)	(S)	
2	19	<i>e</i> 22 02	<i>i</i> 22 24	
7	1	<i>e</i> 41 16	<i>e</i> 41 40	trace ampl.: 2 mm, 6 mm.
7	19	<i>e</i> 20 55	<i>i</i> 21 35	
8	9	<i>e</i> 53 55	<i>e</i> 54 17	
	15	<i>i</i> 25 46		trace disappeared.
9	7	<i>i</i> 37 05	<i>i</i> 37 24	trace ampl.: 13 mm, 15 mm.
16	21	<i>i</i> 57 41	<i>i</i> 58 08	trace ampl.: 1 mm, 6 mm.
18	8	<i>i</i> 04 17	<i>i</i> 04 57	trace ampl.: 1 mm, 6 mm.
25	0	<i>e</i> 11 26		
	16	<i>e</i> 41 09	<i>e</i> 41 42	
26	3	<i>e</i> 15 00	<i>e</i> 15 37	
30	3	<i>i</i> 58 30	<i>i</i> 59 00	trace ampl.: 10 mm, 12 mm.

May		(P)	(S)	
2	22	<i>e</i> 17 01	<i>e</i> 17 26	
5	12	<i>e</i> 35 28	<i>e</i> 36 04	
8	23	<i>e</i> 53 18		
12	15	<i>e</i> 45 47	<i>e</i> 46 23	
20	22	<i>e</i> 36 33		
22	0	<i>i</i> 04 33	<i>e</i> 05 02	trace ampl.: 10 mm.
23	2	<i>e</i> 30 24	<i>e</i> 30 47	
24	11	<i>e</i> 39 04	<i>e</i> 39 21	
25	3	<i>e</i> 22 06		
28	7	<i>i</i> 32 42		trace ampl.: 6 mm.
31	12	<i>e</i> 39 57		

June		(P)	(S)
2	19	<i>i</i> 10 47	
12	11	<i>e</i> 35 24	
	11	<i>e</i> 46 32	47 04
	13	<i>e</i> 58 14	
14	22	<i>e</i> 03 03	<i>e</i> 03 40

July		(P)	(S)
1	18	<i>e</i> 56 58	
8	14	<i>e</i> 34 36	<i>e</i> 34 56

August		(P)	(S)
28	9 ^h	<i>e</i> 37 ^m 26 ^s	

September		(P)	(S)
1	23	<i>e</i> 44 29	<i>i</i> 45 ^m 15 ^s
2	1	<i>i</i> 24 10	<i>e</i> 24 58
4	16	<i>e</i> 32 38	<i>e</i> 32 58
6	12	<i>i</i> 15 42	<i>e</i> 16 14
14	12	<i>e</i> 40 40	
	15	<i>e</i> 56 41	<i>e</i> 57 18

October		(P)	(S)
4	4	<i>i</i> 45 45	
16	16	<i>e</i> 07 38	<i>e</i> 08 06
19	18	<i>e</i> 10 11	
22	17	<i>e</i> 00 18	<i>e</i> 00 46
25	13	<i>i</i> 54 31	
26	14	<i>e</i> 11 20	
29	10	<i>e</i> 09 48	
	13	<i>e</i> 45 45	

November		(P)	(S)	
2	19	<i>e</i> 33 24		
3	11	<i>e</i> 29 45		
4	13	<i>e</i> 38 23	<i>e</i> 38 49	
5	0	<i>e</i> 51 50		
	0	<i>i</i> 58 05	<i>i</i> 58 29	
6	22	<i>i</i> 27 30	<i>e</i> 28 00	
10	3	<i>i</i> 42 41		
13	21	<i>i</i> 35 20		
15	6	<i>e</i> 35 40		
17	9	<i>e</i> 44 00	<i>e</i> 44 28	
18	14	<i>i</i> 41 36		
20	11	<i>e</i> 47 50	<i>e</i> 48 07	
21	2	<i>i</i> 27 43	<i>e</i> 28 08	
28	23	<i>i</i> 57 29	<i>i</i> 57 54	trace ampl.: 11 mm, 15 mm.

December		(P)	(S)
2	4	<i>e</i> 03 09	<i>e</i> 03 38
	18	<i>e</i> 23 52	<i>e</i> 24 16
3	1	<i>e</i> 02 17	
5	15	<i>e</i> 07 19	
	16	<i>e</i> 32 59	
6	19	<i>i</i> 14 45	<i>i</i> 15 13
	19	<i>i</i> 54 43	<i>e</i> 55 00
8	14	<i>e</i> 25 33	
10	6	<i>e</i> 58 05	
19	10	<i>e</i> 43 59	<i>e</i> 44 28
24	13	<i>e</i> 28 06	
26	8	<i>e</i> 25 28	<i>e</i> 26 00

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