

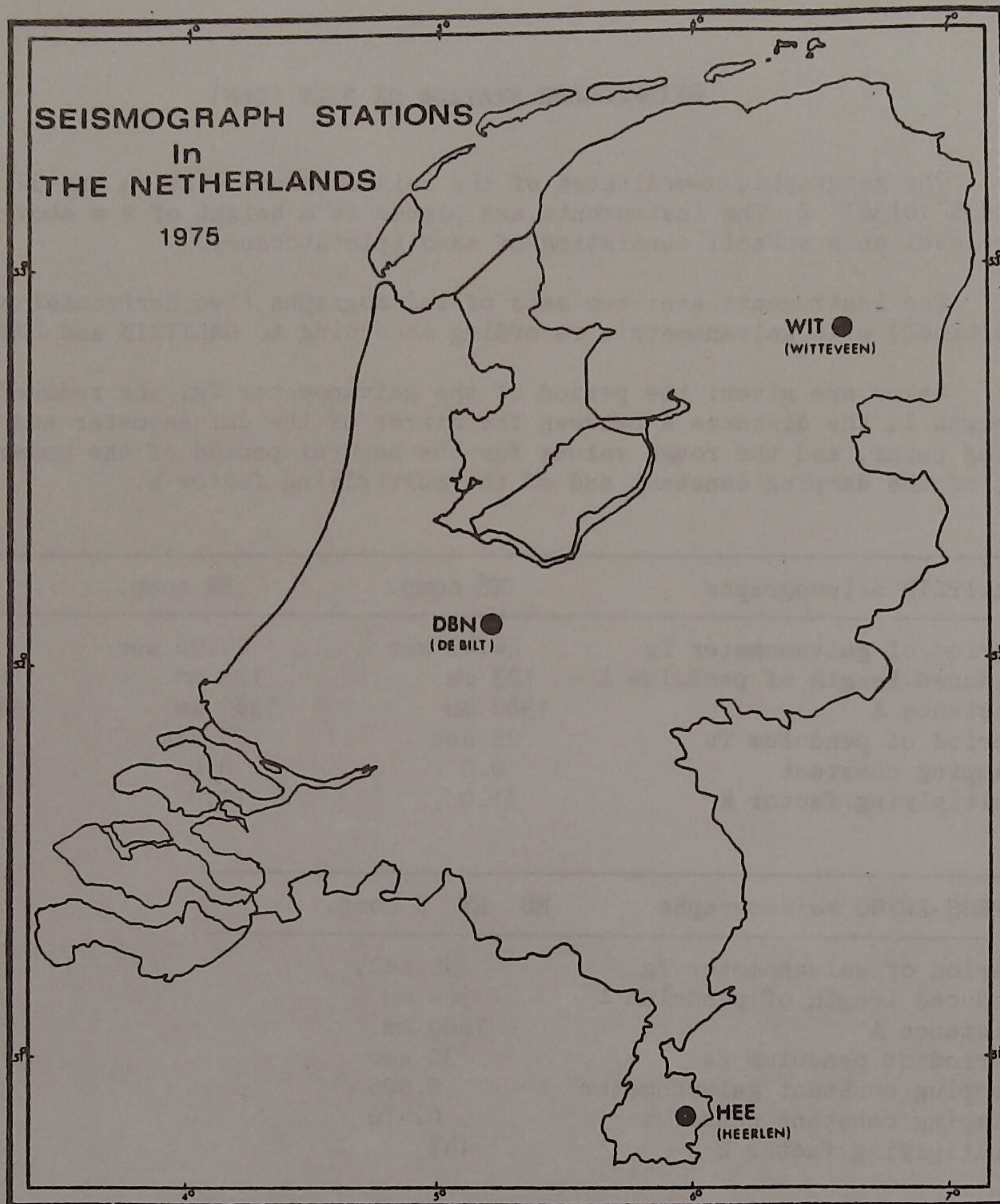
KONINKLIJK NEDERLANDS
METEOROLOGISCH INSTITUUT

SEISMOLOGICAL BULLETIN
of the seismograph stations
in The Netherlands

Volume 63
1975

De Bilt 1980

Publicatienummer K.N.M.I. 108-63



Geographical coordinates of the stations

Code	Latitude (North)	Longitude (East)	Elevation (above m.s.l.)
DBN	52°06'10"	5°10'36"	2 m
HEE	50°53'06"	5°58'56"	115 m
WIT	52°48'48"	6°40'11"	17 m

SEISMOGRAPH STATION DE BILT (DBN)

The geographic co-ordinates of the seismological station are $52^{\circ}06'10''N$ and $5^{\circ}10'36'' E$. The instruments are placed at a height of 2 m above mean sealevel on a subsoil consisting of sand (pleistocene).

The instruments are: two sets of seismographs (two horizontal and one vertical) with galvanometric recording according to GALITZIN and PRESS-EWING.

Below are given: the period of the galvanometer T_g , the reduced pendulum length l , the distance A between the mirror of the galvanometer and the recording paper, and the rough values for the natural period of the undamped pendulum T , of the damping constant and of the multiplying factor k .

GALITZIN seismographs	NS comp.	EW comp.	Z comp.
Period of galvanometer T_g	24.43 sec	24.96 sec	12.0 sec
Reduced length of pendulum l	123 mm	123 mm	406 mm
Distance A	1380 mm	1380 mm	1380 mm
Period of pendulum T_s	25 sec	25 sec	12 sec
Damping constant	0.0	0.0	0.0
Multiplying factor k	11.0	11.0	175

PRESS-EWING seismographs	NS	EW	Z comp.
Period of galvanometer T_g	90 sec.		
Reduced length of pendulum l	360 mm		
Distance A	1000 mm		
Period of pendulum T_s	30 sec		
Damping constant galvanometer	0.025		
Damping constant pendulum	0.470		
Multiplying factor k	147		

SEISMOGRAPH STATION HEERLEN (HEE)

The geographic co-ordinates of the seismological station are: $50^{\circ}53'06''\text{N}$ and $5^{\circ}58'56''\text{E}$.

The instruments, a horizontal seismograph (EW-component, $M = 450 \text{ kg}$), and one vertical WILLMORE seismograph, are placed at a height of 115 m above mean sealevel on a subsoil consisting of loess.

The mean values of the constants for the horizontal seismograph are:

T	E	V	V max.	T max.
2	3	400	600	2

The constants for the vertical WILLMORE seismograph are: T seismograph 1.7 sec., maximum amplification 25.000.

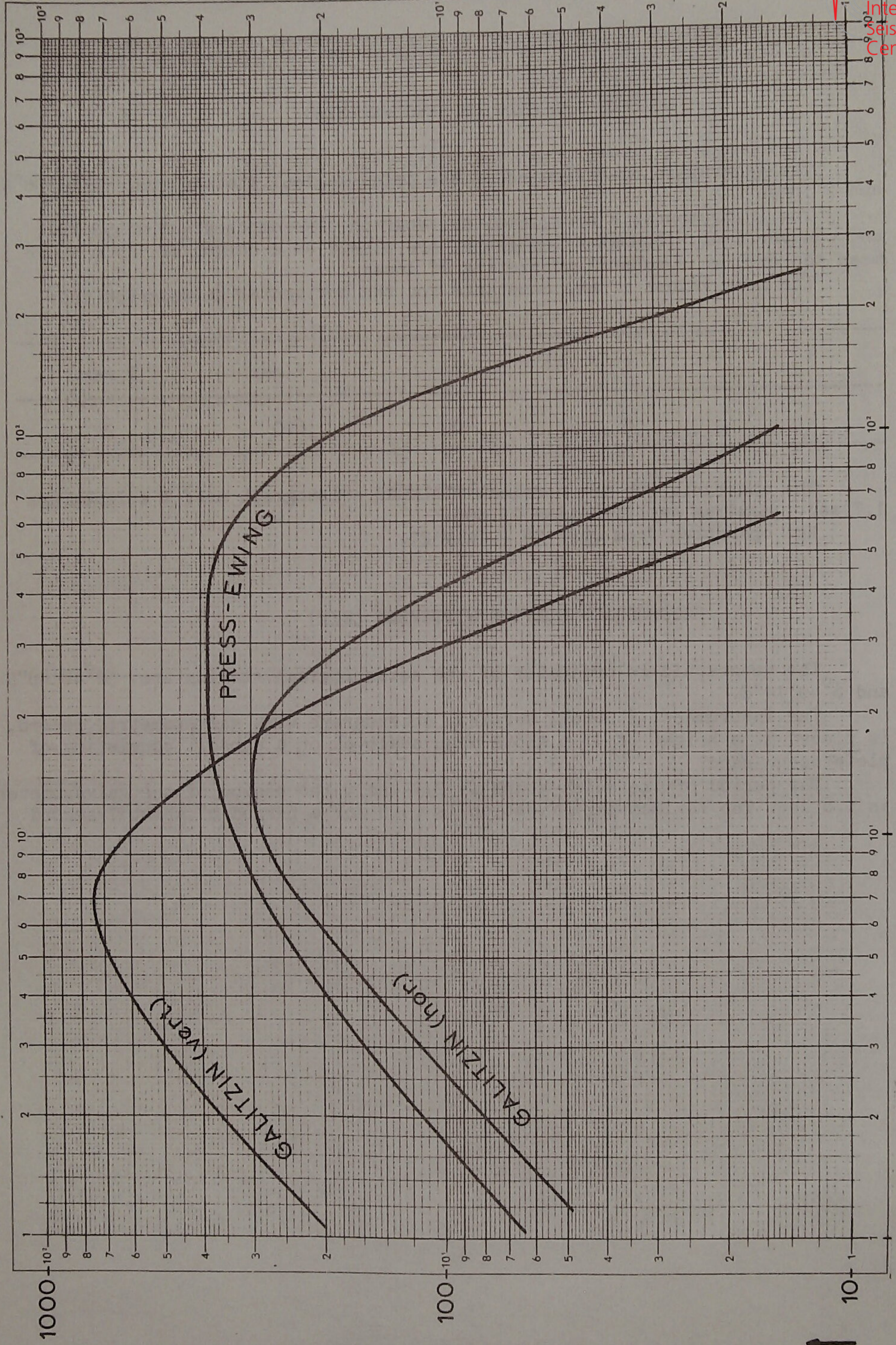
Not operative from June 28 - July 21.

SEISMOGRAPH STATION WITTEVEEN (WIT)

The geographic co-ordinates of the seismological station are: $52^{\circ}48'48''\text{N}$ and $6^{\circ}40'11''\text{E}$.

The instrument, a GRENET vertical seismograph with galvanometric record, is placed at a height of 17 m above mean sealevel on a subsoil consisting of pleistocene sand.

The period of the seismograph is 2.3 sec., the period of the galvanometer is 0.8 sec. The maximum amplification is 6500 for a period of about 1 second.



1000 - 10²

100 - 10¹

10 - 10⁰

MAGNIFICATION

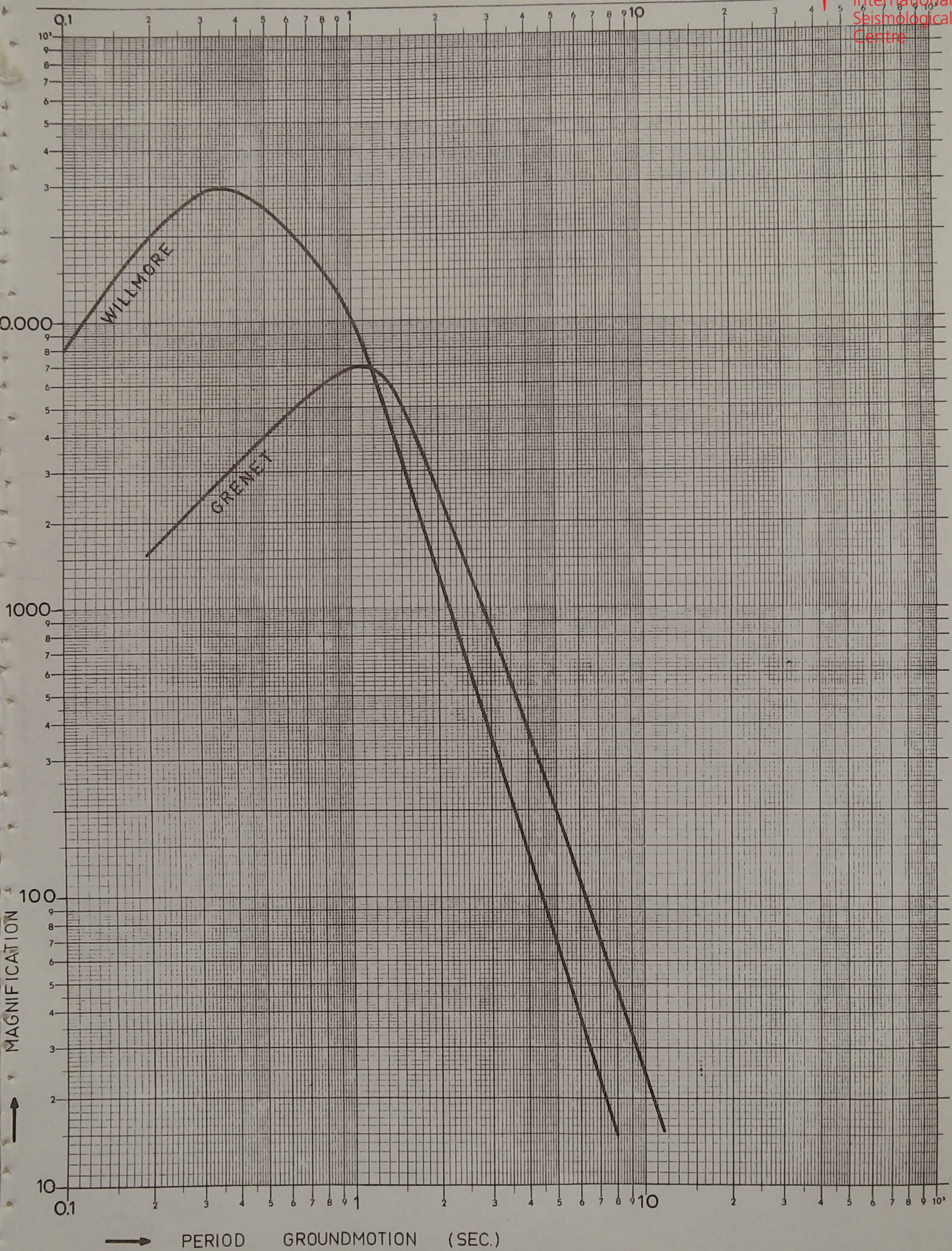
100

10

PERIOD (SEC.)

1





THE MICROSEISMIC ACTIVITY.

The table on page 7 shows the character of the microseismic activity (see also 1915 page 101 and 1916 page 101). The numbers 0, 1, 2 and 3 mean:

- 0 = very weak and weak
- 1 = moderate
- 2 = strong
- 3 = very strong

For measuring the microseismic activity the records of the horizontal GALITZIN seismograph were used. The table below gives the amplitudes of the oscillations (measured from the medium line) and the corresponding amplitudes of the movement of the surface.

Character	Ampl. record	Ampl. surface
0	0 - $\frac{1}{2}$ mm	0 - $1\frac{1}{4}$ μ
1	$\frac{1}{2}$ - 2 mm	$1\frac{1}{4}$ - 5 μ
2	2 - 4 mm	5 - 10 μ
3	> 4 mm	> 10 μ

Character of the microseismic movement



Date 1975	Jan.	Febr.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1	1 2	1	1	1	1	1	0	100	1	1	112
2	1 2	2	1	1	1	1	1 0	0	0	1	1	221
3	2	2 1	1	1	101	1	0	0	0	1	123	1
4	2 1	1	1	1	1	1 0	0 1	0	0	1	322	1
5	1 2	1	1	110	1	0	1	0	0	1 2	2 1	1
6	2 1	1	112	001	1	0 1	100	0 1	0	211	1	1
7	1	1	2 1	1	1	1	0	1	0	1	1	1
8	1	1	1	1	1 0	1	0	100	0	1	1	1
9	1	1	1	1	0	1	0	0	011	1	1	1
10	1	1	1	1	0	1 0	0	0	1	1	1	1
11	1	1	1	1	0 1	0	0	0	1	1	101	1
12	1 2	1	1	1	1	0	0	0	1	1	1	1
13	323	1 2	1	1	1	0	0	0	1	1	1	1
14	3	2 1	1	1	1 0	0 1	0 1	0	1	1	1	1
15	3	1	1	1	0	1	1	0	1	1	1	2 1
16	2 1	1	1	1	0	1 0	1	101	1	1	1	1
17	1	122	1	1	0	0	0	1	1	1	1	1
18	1	2	1	1	0	0 1	0	1	1	1	1	1
19	1	2	112	1	001	1	0	100	1	1	1	100
20	122	2	2 1	1	1	1 0	011	011	1	1	1	1
21	2	2	1	1 0	1	0 1	1	1	1	1	1	1
22	233	2 1	1	0	1	1	1	1	1	1	1	1
23	3	1	1	0	1	1	1	1	1	1	1	1
24	3 2	1	1	0	1	1	1	1	1	1	1	1
25	212	1	1	0	1 0	1	1 0	100	1	1	1	1
26	1	1	1	0	0	1	0	101	1	1	2 3	1
27	1	1	1	0 1	010	1	0	1	212	1	211	1
28	1	1	1	1	0	1	0	1 0	211	1	1	1
29	1		1	1	0 1	101	0	0	1	1	1	1
30	121		1	1	1	011	0	0	1	1	1	2
31	1		1		1		0	001		1		332

EXPLANATION OF THE TABLES



The data given for De Bilt have been obtained from the GALITZIN and the PRESS-EWING records. The velocity of the recording paper is 30 mm and 15 mm per minute, respectively. The data from the seismographs at Heerlen and Witteveen are also mentioned.

The time is Greenwich Mean Time.

In the column "first motion" + means an upward movement of the soil (compression), - means a downward movement (dilatation). Uncertain data have been given in parentheses.

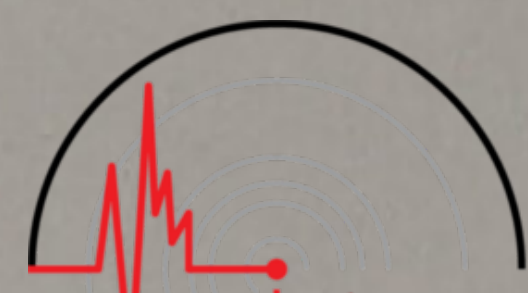
The following nomenclature has been used:

Seismic phases.

- P,S : direct longitudinal or transverse waves propagating in the mantle.
 PKP (P') : direct longitudinal wave traversing the core without detailed identification (core waves).
 PKP2 : core wave propagating only through the outer core.
 PKIKP : core wave propagating through the inner core.
 PKHKP : core wave refracted in the intermediate zone between the inner and outer core.
 PP,PPP,SS,SSS : P or S waves reflected once or twice at the Earth's surface.
 PcP,ScS : P or S waves reflected at the core boundary.
 PcS,ScP : P or S waves transformed on reflection at the core boundary.
 PKKP : P wave reflected from the inside surface of the core, thereby passing twice through the core.
 P'P' : PKP wave reflected from the Earth's surface, passing twice through the core.
 SKS (S') : S wave passing through the core as P wave, transformed back into S wave on emergence.
 SKKS : S wave transformed on refraction at the core boundary into P wave, reflected from the inside surface of the core and finally transformed back into S wave at the core boundary.
 PS,SP,PPS,SPP, PSP etc. : P and S waves reflected and transformed at the Earth's surface.
 SKP : S wave transformed into P wave on refraction into the core.
 PKS : P wave transformed into S wave on refraction when leaving the core.
 Pdif : P wave diffracted around the core.
 pP,pPKP,pPP, sP,sPP etc. : P or S waves leaving the focus in an upward direction and reflected from the surface as P waves.
 pS,sS,pSS etc. : P or S waves leaving the focus in an upward direction and reflected from the surface as S waves.
 Pg,Sg : P or S waves in the upper crust (granitic layer).
 Pb(P*),Sb(S*) : P or S waves in the lower crust (basaltic layer) or along the Conrad discontinuity.
 Pn,Sn : P or S waves refracted below the crust following the Mohorovičić discontinuity.
 L : Long waves, unidentified, the beginning of the surface wave group.

Additional notations.

- F : finish or end of the discernible movement on the record.
 i : impulsive or sharp beginning of a phase (e.g. iP, iPKP etc.).
 e : emerging or gentle beginning of a phase (e.g. eS, ePP etc.).
 H : origin time (focal time).
 h : depth of focus.
 h N : normal depth of focus (5-60 km).
 Ms : Magnitude determined by surface waves.
 Mb : Magnitude determined by body waves.
 Ml : Magnitude of local shock determined by near stations.



The indices Z, NS and EW refer to vertical, north-south and east-west components of the movement.

The distance of the epicenter and the depth of focus have been calculated by means of curves constructed with the aid of the time tables of Jeffreys and Bullen (1940).

The data given in the column "amplitude" are the maximum amplitudes measured from the medium line (Galitzin records). The amplitudes have been calculated by means of the formula:

$$V = \frac{A k T_b}{\pi l} \frac{1}{\left\{ 1 + \left(\frac{T_b}{T} \right)^2 \right\}^2}$$

In this formula A is the distance between galvanometer mirror and recording paper, k is the multiplying factor, T_b the period of the wave, l the reduced length of the pendulum, T the free period of the undamped seismograph, and V the magnification. The period of the galvanometer is assumed to be equal to the free period of the undamped seismograph.

For the horizontal components of the Galitzin records the following mean values were used: $k = 11,0$ and $T = 24,5$ sec, and for the vertical component $k = 175$ and $T = 12,0$ sec.

Whenever it was possible the amplitudes and periods of the first P waves have been given. As the movement of these waves is irregular in general, the accuracy of these data is small. The amplitudes and periods of the maxima of L-waves have been given in case of strong earthquakes.

The magnitudes have been calculated by means of the formula:

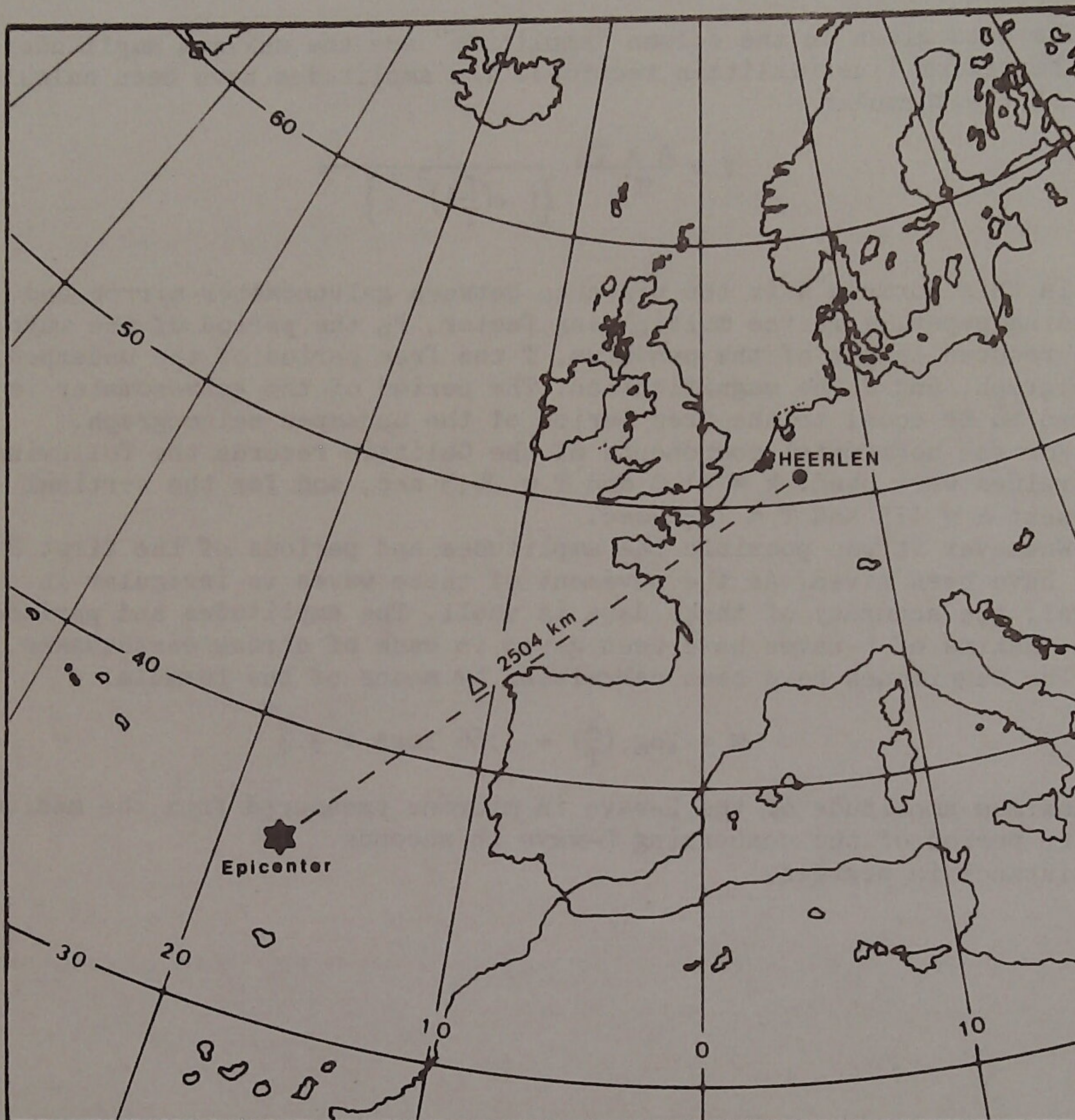
$$M = \log \left(\frac{A}{T} \right) + 1.66 \log \Delta + 3.3$$

A = maximum amplitude of the L-wave in microns (measured from the medium line).

T = the period of the concerning L-wave in seconds.

Δ = distance in degrees.

AZORES-GIBRALTAR RIDGE EARTHQUAKE



Location of the strongest earthquake in 1975.
Record at HEERLEN on opposite page.

NATIONAL EARTHQUAKE INFORMATION SERVICE

MAY 1975

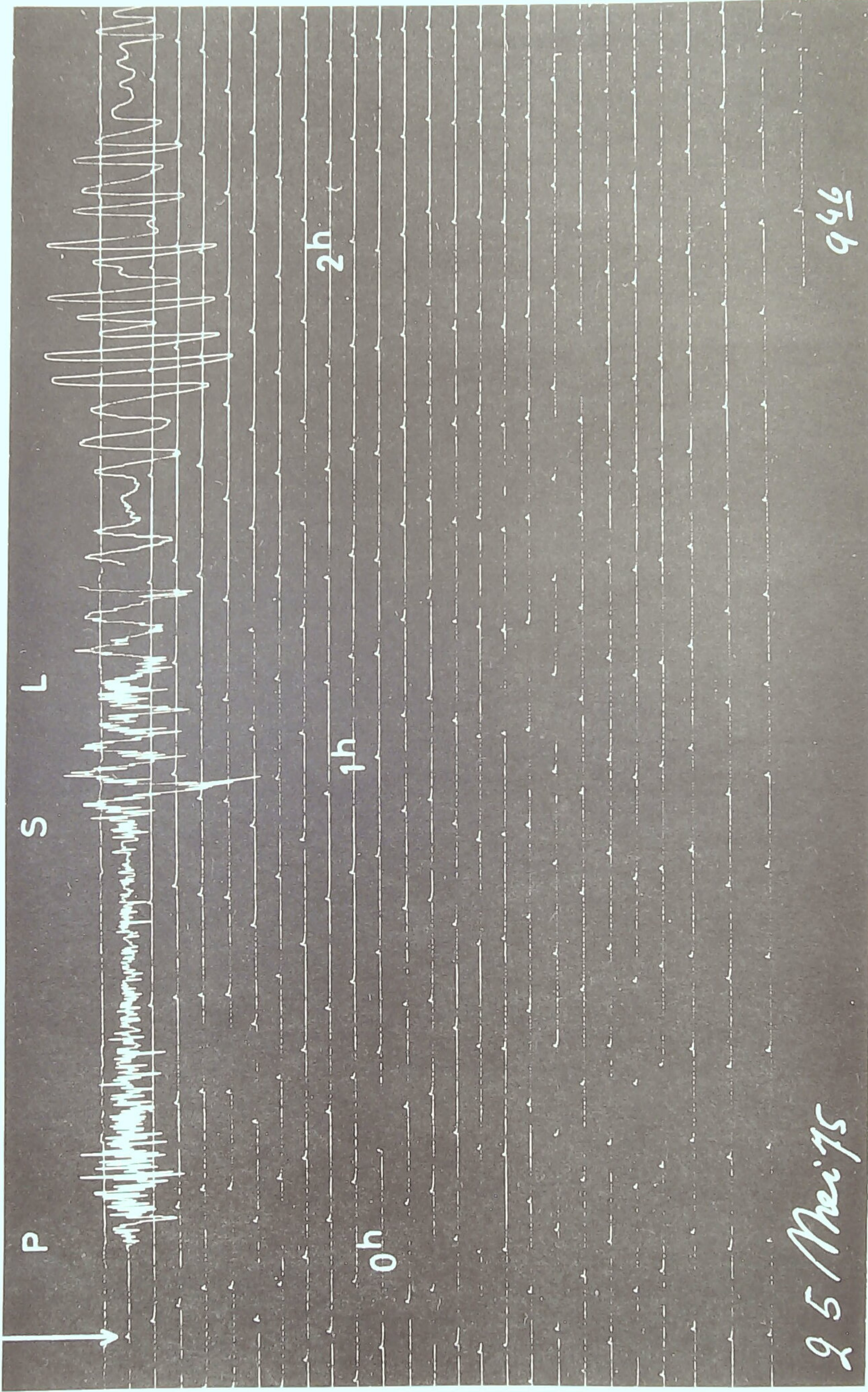
DAY UTC	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES		DEPTH KM	MAGNITUDES GS	
		LAT	LONG		MB	MSZ
26	9 11 51.5	36.0 N	17.6 W	33	6.7	7.9

REGION AND COMMENTS: NORTH ATLANTIC OCEAN.
SLIGHT DAMAGE ON MADEIRA ISLAND.
APPROX. 7-FOOT TSUNAMI IN PORT
OF PONTA DELGADA, AZORES ISLANDS.
ALSO FELT IN WESTERN AREA OF PORTUGAL
AND MOROCCO AND ON THE CANARY ISLANDS.

EARTHQUAKE ON THE AZORES-GIBRALTAR RIDGE
recorded by horizontal EW-pendulum at HEERLEN on smoked paper.

MAY 26

9h 16m GMT



1 min

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JAN. 1975	1. DBN: eL	00	44			20		3.9		5.0	36.6N 36.5E, H: 00 29 56.8 h 15 km. Mb 4.8 Jordan-Syria region.
	F	01.2									
	WIT: eP	00	35	42.0							
	HEE: eP	00	35	31							
		epP	00	35	35.5						
	1. DBN: iP	04	05	45	-						61.9N 149.7W, H: 03 55 12.0 h 66 km. Mb 5.9 Southern Alaska.
	ipP	04	05	59	+						
	eS	04	14	20							
	eL	04	26.0								
	F	05	00								
	WIT: eP	04	05	41.0							
	i	04	05	42.8							
i	04	05	58.2								
HEE: iP	04	05	52.5	+							
epP	04	06	07.0								
eP'P'	04	34	28.0								
1. DBN: eL	14	14								19.5N 155.6W, H: 13 20 54.5 h 10 km. Mb 5.1, Ms 5.3 Hawaii.	
F	14	31									
1. WIT: ePKP	21	56	42.5							ISC: 23.2S 176.3W, H: 21 37 09, h 167 km Mb 4.3 South of Fiji Islands.	
HEE: ePKP	21	56	48.5								
1. DBN: eL	23	31								38.3S 73.1W, H: 22 31 06.6 h N. Mb 5.3, Ms 5.4 Near coast of central Chile.	
F	23	52									
2. HEE: ePKP	06	31	35.0	+						ISC: 22.6S 170.5E, H: 06 11 50, h 33 km. Loyalty Islands region.	
2. DBN: eL	06	51								9.5S 155.1E, H: 05 46 33.5 h 23 km. Mb 5.4 Dentrecasteaux Islands region.	
F	07	10									
2. DBN: eZ	09	11	20							46.9N 151.6E, H: 08 59 00.5 h 52 km. Mb 5.7 Kuril Islands.	
iS	09	20	43								
eL	09	31			20				10.7		
F	10	58							6.1		
WIT: eP	09	10	51.5	-							
HEE: eP	09	10	57.0	-							
e	09	11	03.0	+							
e	09	11	46.5								

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JAN. 1975											
	2. WIT: eP HEE: eP	14	28	58.0	-						21.6N 142.9E, H: 14 16 01.0 h 313 km. Mb 5.6 Mariana Islands region.
	2. DBN: eL F WIT: iP HEE: iP	20	07								53.0N 159.4E, H: 19 31 43.9 h 47 km. Mb 5.5, Ms 5.0 Near east coast of Kamchatka.
	2. WIT: ePKP HEE: ePKP	22	49	37.0							ISC: 18.0S 172.6W, H: 22 30 00, h 24 km. Mb 4.8 Tonga Islands region.
	3. WIT: ePKP i e epPKP HEE: iP epPKP	00	49	08.5							20.3S 178.6W, H: 00 30 28.0 h 572 km. Mb 5.2 Fiji Islands region.
	3. DBN: eL F HEE: iP i	02	12								35.7N 27.2E, H: 01 59 45.2 h 49 km. Mb 4.8 Dodecanese Islands.
	3. DBN: eL F	06	03								55.4S 28.2W, H: 05 10 12.9 h N. Mb 5.6, Ms 5.7 South Sandwich Islands region.
	4. HEE: eP	00	32	26.0							51.1N 158.0E, H: 00 20 43.0 h N. Mb 5.1 Near east coast of Kamchatka.
	4. WIT: iP HEE: eP	12	38	57.3	+						38.5N 97.5E, H: 12 28 42.3 h N. Mb 5.4 Tsinghai Province, China.
	5. DBN: eL F	02	26								19.5N 155.7W, H: 01 32 06.8 h 10 km. Mb 5.1, Ms 5.3 Hawaii.
	5. HEE: ePKP	10	00	53.0	+						15.6S 174.3W, H: 09 41 19.4 h 71 km. Mb 5.0 Tonga Islands.
	6. DBN: eL F WIT: iP HEE: eP	19	59								29.2N 130.3E, H: 19 09 52.5 h 41 km. Mb 5.6, Ms 5.8 Ryukyu Islands.

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JAN. 1975											
7.	HEE: iP	08	40	45.0	+						0.9S 16.0W, H: 08 31 14.7 h N. Mb 5.0, Ms 4.6 North of Ascension Island.
8.	DBN: iP	02	12	36							3.0S 101.8E, H: 01 58 55.1 h 95 km. Mb 6.0 Southern Sumatra.
	iSKS	02	22	44							
	iH	02	23	35							
	iSP	02	24	42							
	eL	02	47								
	F	03	34								
	WIT: epP	02	12	32.0							
	e	02	12	35.0							
	HEE: eP	02	12	13.5							
	epP	02	12	29.0							
8.	DBN: iP	19	36	51	+	7	4.7				38.3N 22.7E, H: 19 32 32.9 h 18 km. Mb 5.4, Ms 5.0 Greece.
	iS	19	40	23							
	eL	19	41.7			16		12.6		5.2	
	F	in next shock									
	WIT: eP	19	36	49.5	+						
	i	19	36	52.5							
	eL	19	42.5								
	HEE: eP	19	36	36.5	+						
	eL	19	41.5								
8.	DBN: eL	20	08.0								38.1N 22.8E, H: 19 58 15.8 h 37 km. Mb 4.5 Greece.
	F	20	20								
9.	WIT: iPKP	04	24	41.0	+						17.7S 178.6W, H: 04 06 06.0 h 551 km. Mb 4.7 Fiji Islands region.
	HEE: ePKP	04	24	46.0							
9.	WIT: eP	18	58	33.0							34.8N 24.1E, H: 18 53 44.0 h 47 km. Mb 4.6 Crete.
	HEE: eP	18	58	26.0							
	i	18	58	34.0							
9.	DBN: eL	23	26.8								42.9N 47.0E, H: 23 09 46.6 h 31 km. Mb 5.2 Eastern Caucasus.
	F	23	41								
	WIT: eP	23	16	19.0							
	HEE: eP	23	16	24.5							
10.	DBN: eL	11	14								2.6N 95.4W, H: 10 24 12.8 h N. Mb 5.0, Ms 5.1 Galapagos Islands region.
	F	11	27								
11.	WIT: eP	12	15	48.5							29.0N 51.8E, H: 12 08 06.4 h 27 km. Mb 5.0 Southern Iran.
	HEE: eP	12	15	46.0							

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JAN. 1975	11. HEE: iP	15	56	09.0	-						46.5N 10.6E, H: 15 54 37.0
	e	15	57	24.5							h 22 km. Mb 4.0
	i	15	57	53.0							Northern Italy.
	11. DBN: eL	22	02								25.0N 101.4E, H: 21 22 29.4
	F	22	17								h N. Mb 4.8, Ms 5.2
	WIT: eP	21	34	06.5							Yunnan Province, China.
	HEE: eP	21	34	12.0							
	12. HEE: eP	04	45	26.5							40.4 N 41.7E, H: 04 39 45.4
											h 40 km. Mb 5.0
											Turkey.
12. WIT: ePKP	08	47	13.5							17.9S 174.0W, H: 08 27 37.9	
HEE: ePKP	08	47	18.5							h N. Mb 4.4	
										Tonga Islands.	
12. DBN: eL	19	14								33.5S 178.1W, H: 17 47 23.5	
F	20.0									h 23 km. Mb 5.8, Ms 6.0	
WIT: iP	18	08	04.3	-						South of Kermadec Islands.	
HEE: ePKP	18	08	11.0								
12. WIT: iP	21	34	37.1	+						32.8N 118.0W, H: 21 22 14.9	
HEE: eP	21	34	41.0							h 8 km. Mb 5.1	
										Off coast of California.	
13. WIT: iP	01	07	43.1	-						20.1S 178.5W, H: 00 49 06.6	
HEE: iP	01	07	47.5	-						h 624 km. Mb 5.1	
i	01	07	54.0	+						Fiji Islands region.	
13. DBN: eL	09	56								52.2N 171.1W, H: 09 19 10.3	
F	10	40								h 42 km. Mb 5.7, Ms 5.6	
WIT: eP	09	30	52.0							Fox Islands, Aleutian	
HEE: eP	09	31	02.0							Islands.	
13. HEE: iP	22	01	02.0	+						19.2S 168.7E, H: 21 41 28.8	
i	22	01	13.5	-						h 46 km. Mb 4.9	
										New Hebrides Islands.	
14. DBN: ePKP	20	07	36							d.b.m. 5.0S 130.0E,	
iPP	20	08	40							H: 19 48 59.2	
iPS	20	18	00							h N. Mb 6.3, Ms 6.5	
iPPS	20	19	35							Banda Sea.	
eSS	20	24.9									
eSSS	20	29.0									
eL	20	44									
F	21.9										
HEE: ePKP	20	07	40.0								
ePP	20	08	40.0								

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms	
		h	m	s			Z	NS	EW			
JAN. 1975												
14.	WIT: eP	22	14	15.0	+						35.4N 44.8E, H: 22 07 52.5 h 58 km. Mb 5.1 Iraq.	
15.	DBN: eL F WIT: iP HEE: eP	12 12 11 11	11.4 57 45 45			20		9.0		6.1	d.b.m. 29.4N 101.7E, H: 11 34 41.3, h N. Mb 5.7, Ms 6.0. Szechwan Province, China.	
16.	DBN: eL F HEE: e	00 00 00	17.0 23 13								38.2N 15.6E, H: 00 09 47.1 h 21 km. Mb 4.8 Sicily.	
17.	DBN: iP ipPKP iPP eL F WIT: iP ipPKP HEE: iP ipPKP	09 09 09 10 12 09 09 09 09	50 50 53 08 08 50 50 50 50	05 40 22 10.8 12.0 03.4 45.0 09.0 47.5	- - - +	7	8.1				17.9S 174.6W, H: 09 30 42.3 h 153 km. Mb 5.8 Tonga Islands.	
18.	WIT: iP HEE: ePKP	09 09	11 11	03.0 03.5	- 						20.5S 173.8W, H: 08 51 17.8 h N. Mb 5.6, Ms 4.9 Tonga Islands.	
19.	DBN: iP iPP iS iScS eL F WIT: iP eL HEE: iP eL	08 08 08 08 08 12 08 08 08 08	11 13 19 21 27 12.1 11 29 11 30	32 37 00 15 29.8 34.5	- - - 	6	11.0			215	7.2	32.5N 78.4E, H: 08 02 02.5 h N. Mb 6.2, Ms 6.8 Kashmir-Tibet border region (47 killed).
19.	WIT: eP HEE: eP	08 08	21 21	36.5 41.0	+ +							32.0N 78.5E, H: 08 12 08.1 h N. Mb 6.0 Kashmir-Tibet border region.
20.	HEE: eP	10	52	15.5								71.8N 14.6E, H: 10 47 29.9 h N. Mb 5.1 Norwegian Sea.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JAN. 1975	20. DBN: eS	17	54	20							d.b.m. 35.0N 141.2E, H: 17 31 10.6, h 28 km. Mb 5.9, Ms 5.7. Near east coast of Honshu, Japan.
	eL	18	14			20	11.0		6.2		
	F	19	07								
	WIT: eP	17	43	40.5	+						
	HEE: iP	17	43	49.5	+						
20.	WIT: ePKP	19	17	30.5	-					21.8S 173.8W, H: 18 57 44.0 h 33 km. Mb 5.2 Tonga Islands.	
	i	19	17	40.5	+						
	HEE: iPKP	19	17	35.0	+						
	i	19	17	45.5							
22.	DBN: eL	05	24							33.1N 131.1E, H: 04 40 51.0 h 9 km. Mb 4.3, Ms 5.0 Kyushu, Japan.	
	F	05	44								
22.	WIT: iP	05	43	54.3	+					24.2S 177.1W, H: 05 24 18.5 h 166 km. Mb 4.4 South of Fiji Islands.	
	HEE: ePKP	05	43	58.5	+						
23.	WIT: ePKP	03	13	24.0	-					17.8S 174.7W, H: 02 53 56.8 h 97 km. Mb 4.4 Tonga Islands.	
	HEE: ePKP	03	13	30.0							
23.	DBN: eL	15	02							d.b.m. 33.0N 131.1E, H: 14 19 14.9, h 10 km. Mb 5.2, Ms 5.8 Kyushu, Japan.	
	F	15.6									
25.	HEE: e	00	20	17.0						34.6N 24.1E, H: 00 15 33.7 h N. Mb 4.3 Crete.	
25.	DBN: iP	02	20	50	+	5	4.3			7.2N 77.8W, H: 02 08 41.5 h 36 km. Mb 6.1, Ms 6.5 Panama-Colombia border region.	
	iPP	02	23	48							
	iS	02	30	48							
	eSS	02	36.0								
	eL	02	46			20		39.0	6.7		
	F	05.4									
	WIT: eP	02	20	54.0	+						
	i	02	21	07.5	-						
	HEE: iP	02	20	51.5	+						
	i	02	21	04.5	-						
25.	WIT: eP	03	37	23.0						7.1N 77.9W, H: 03 25 08.4 h N. Mb 5.0 Panama-Colombia border region.	
	HEE: eP	03	37	19.5							

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JAN. 1975											
26.	HEE: eP	05	35	19.5							37.ON 24.5E, H: 05 30 54.6 h 48 km. Mb 4.8 Southern Greece.
26.	HEE: ePKP	09	21	23.5							18.OS 177.6W, H: 09 02 23.7 h 352 km. Mb 4.3 Fiji Islands region.
27.	WIT: ePKP HEE: ePKP	03 03	21 21	55.1 59.5							ISC: 21.9S 179.4W H: 03 03 14.9, h 619 km Mb 4.8 Fiji Islands region.
27.	DBN: eL F	16 16	08 33								9.9S 119.4E, H: 15 10 01.8 h N. Mb 5.5, Ms 5.7 Sumba Island region.
28.	DBN: eL F	12 13	33 04								56.1N 164.6E, H: 11 53 30.7 h N. Mb 5.2, Ms 5.2 Komandorsky Islands region.
31.	DBN: eL F	16 17	58 30								15.4N 104.8W, H: 16 14 31.0 h 44 km. Mb 5.1, Ms 5.2 Off coast of Michoacan, Mexico.

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
FEB. 1975	1. WIT: ePKP	09	18	23.5	-					20.5S 176.3W, H: 08 58 55.5 h 146 km. Mb 4.9 Fiji Islands region.	
	HEE: ePKP	09	18	28.0							
	e	09	18	34.0							
	1. WIT: ePKP	20	01	34.0						4.8S 153.2E, H: 19 42 37.8 h 57 km. Mb 5.0 New Ireland region.	
	HEE: ePKP	20	01	37.5							
	2. DBN: eP	07	36	34	-	8	2.7			53.1N 173.4E, H: 07 24 53.3 h 25 km. Mb 5.9, Ms 5.5 Near Islands, Aleutian Islands.	
	iS	07	46	10							
	eL	07	56.5								
	F	08	41								
	WIT: iP	07	36	29.3							
	i	07	36	32.2							
	HEE: iP	07	36	40.0							
	i	07	36	43.5							
	2. DBN: iP	08	55	24							
	iZ	08	56	49							
	iS	09	04	56							
	eSS	09	09	36							
	eSSS	09	13.2								
	eL	09	15.1								
	F	13.7									
	WIT: eP	08	55	18.7							
	i	08	55	28.3							
	i	08	55	37.6							
	HEE: iP	08	55	29.5							
	i	08	55	38.5							
	2. WIT: eP	16	04	42.0						53.1N 173.5E, H: 08 43 39.1 h 10 km. Mb 6.1, Ms 7.6 Near Islands, Aleutian Islands.	
	2. WIT: eP	16	04	42.0						52.9N 173.6E, H: 15 53 06.9 h 31 km. Mb 4.9, Ms 4.5 Near Islands, Aleutian Islands.	
	2. WIT: iP	16	10	11.9	-					17.3S 177.3W, H: 15 51 26.7 h 461 km. Mb 5.2 Fiji Islands region.	
	HEE: iP	16	10	18.0							
	i	16	11	52.0							
	e	16	11	56.5							
	2. WIT: iP	16	29	10.1	+					44.6N 146.9E, H: 16 17 23.5 h 80 km. Mb 5.5 Kuril Islands.	
	e	16	29	15.0							
	HEE: iP	16	29	20.5							
	3. WIT: eP	01	15	26.5	+					15.6N 91.8W, H: 01 03 25.2 h 218 km. Mb 5.4 Mexico-Guatemala border region.	
	epP	01	16	18.5							
	i	01	16	36.0							
	HEE: iP	01	15	26.5							
	ipP	01	16	19.0							
	e	01	16	35.0							

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
FEB. 1975	4. WIT: iPKP	09	30	48.5	+						20.6S 178.8W, H: 09 12 10.6 h 619 km. Mb 4.6 Fiji Islands region.
	HEE: ePKP	09	30	53.0							
FEB. 1975	4. DBN: iP	11	47	38	+	7	12.2				40.6N 122.6E, H: 11 36 07.5 h 33 km. Mb 6.4, Ms 7.4 Northeastern China.
	iPP	11	50	24							
	iPPP	11	52	04							
	iS	11	57	03							
	iSS	12	01	48							
	eSSS	12	05	00							
	eL	12	09.7			20	320		7.7		
	F	16.2									
	WIT: eP	11	47	27.5	+						
	i	11	47	33.8							
	eL	12	10								
	HEE: eP	11	47	37.5	+						
	i	11	47	40.5	-						
	iPP	11	50	24.0							
eL	12	09									
FEB. 1975	4. WIT: eP	20	32	46.0							25.3N 123.1E, H: 20 20 30.6 h 179 km. Mb 5.0 Northeast of Taiwan.
	HEE: iP	20	32	52.5	-						
	epP	20	33	37.5							
FEB. 1975	5. DBN: eL	16	32								40.8N 122.6E, H: 15 52 56.8 h 33 km. Mb 4.7 Northeastern China.
	F	16	44								
FEB. 1975	5. DBN: eL	18	47								3.5S 131.2E, H: 17 46 06.5 h 30 km. Mb 5.1 West New Guinea region.
	F	19	12								
FEB. 1975	5. DBN: eL	22	22								40.7N 122.6E, H: 21 43 43.2 h N. Mb 4.9 Northeastern China.
	F	22	37								
FEB. 1975	5. WIT: eP	23	55	05.5							51.5N 159.7E, H: 23 43 32.9 h 31 km. Mb 5.0, Ms 4.6 Off east coast of Kamchatka.
	HEE: eP	23	55	16.0							
FEB. 1975	6. DBN: eL	05	02								40.8N 122.3E, H: 04 24 56.5 h N. Mb 5.1 Northeastern China.
	F	05	39								
	WIT: eP	04	36	20.5							
FEB. 1975	6. HEE: eP	18	02	14.0							74.4N 10.0E, H: 17 57 05.0 h N. Mb 4.7, Ms 4.8 Norwegian Sea.

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
FEB. 1975	7. DBN: iPKP iPP iPPP iSKKKS iPS iSPP eSS eSSS eL F WIT: iPKP i HEE: ePKP i	05	10	44	-	7	2.6				7.3S 149.5E, H: 04 51 44.0 h N. Mb 6.3, Ms 6.4 New Britain region.
		05	12	40							
		05	14	28							
		05	19	44							
		05	22	52							
		05	24	14							
		05	30.0								
		05	34.5								
		05	51		20			16.0	6.7		
		08.5									
		05	10	44.5	-						
		05	10	56.7							
		05	10	46.5							
		05	10	58.5							
7.	DBN: eL F	06	35							7.2S 149.7E, H: 05 27 35.8 h 15 km. Mb 5.4 New Britain region.	
		in prec. shock									
7.	DBN: eL F WIT: epP HEE: eP epP	17	27							35.7N 140.0E, H: 16 41 15.6 h 56 km. Mb 5.3 Near east coast of Honshu, Japan.	
		17	46								
		16	53	50.5							
		16	53	45.5							
		16	54	01.5							
7.	WIT: ePKP HEE: ePKP	20	06	13.0						22.5S 172.7E, H: 19 46 30.7 h 105 km. Mb 4.4 Loyalty Islands region.	
		20	06	21.0							
8.	WIT: ePKP HEE: iPKP e	03	30	41.0	+					17.0S 174.6W, H: 03 11 25.8 h 169 km. Mb 5.1 Tonga Islands.	
		03	30	47.5	+						
		03	31	45.0							
8.	HEE: iPKP epPKP	11	50	30.5	+					15.4S 173.5W, H: 11 31 00.7 h 72 km. Mb 5.0 Tonga Islands.	
		11	50	51.5							
8.	HEE: ePKP	22	26	43.5						16.0S 172.8W, H: 22 07 07.2 h N. Mb 4.7, Ms 4.8 Samoa Islands region.	
9.	DBN: eL F	05	39			22	2.9			5.8	6.7S 106.7E, H: 04 45 24.5 h 27 km. Mb 5.2, Ms 5.6 Java (1 killed).
		06	21								

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
FEB. 1975	9. WIT: iPKP	05	57	42.0	-					18.0S 177.8W, H: 05 38 55.2 h 448 km. Mb 4.8 Fiji Islands region.	
	HEE: iPKP	05	57	47.0							
9.	DBN: eL	08	34		+					29.8S 177.7W, H: 07 08 21.8 h 24 km. Mb 5.3, Ms 5.0 Kermadec Islands.	
	F	09	08								
	WIT: ePKP2	07	28	45.0							
	HEE: ePKP2	07	28	54.5							
9.	DBN: eL	11	38							52.8N 174.5E, H: 11 01 19.4 h 14 km. Mb 5.4, Ms 5.4 Near Islands, Aleutian Islands.	
	F	12	34								
	WIT: eP	11	12	59.0							
	HEE: eP	11	13	08.5							
	e	11	13	31.0							
9.	WIT: eP	14	44	33.0						3.8N 64.1E, H: 14 33 36.0 h N. Mb 5.1 Carlsberg Ridge.	
	HEE: eP	14	44	30.0							
10.	HEE: iPKP	06	11	04.0	+					15.6S 174.5W, H: 05 51 44.4 h 150 km. Mb 4.8 Tonga Islands.	
	ipPKP	06	11	50.5							
10.	DBN: iP	19	15	19	+	18		4.2	4.9	46.5N 27.5W, H: 19 10 27.0 h N. Mb 4.8, Ms 5.1 North Atlantic Ridge.	
	iS	19	19	20							
	eL	19	20.7								
	F	20	05								
	WIT: eP	19	15	29.0							
	e	19	15	31.5							
	HEE: eP	19	15	24.5							
	e	19	15	28.5							
10.	DBN: eL	21	06							28.0N 129.5E, H: 20 19 51.1 h N. Mb 5.1 Ryukyu Islands.	
	F	21	26								
	WIT: eP	20	32	27.0							
	e	20	32	39.0							
10.	WIT: eP	21	24	30.0						3.8N 64.0E, H: 21 13 34.4 h N. Mb 4.9 Carlsberg Ridge.	
	HEE: eP	21	24	27.0							
11.	DBN: eL	20	56							38.5N 75.4E, H: 20 30 19.1 h N. Mb 5.2 Southern Sinkiang Prov., China.	
	F	21	08								
	WIT: eP	20	39	02.0							
	HEE: eP	20	39	05.5							
11.	WIT: eP	22	09	11.5						20.7S 62.9W, H: 21 56 49.5 h 562 km. Mb 5.3 Southern Bolivia.	
	HEE: eP	22	09	06.5							

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms	
		h	m	s			Z	NS	EW			
FEB. 1975												
12.	DBN: eL F WIT: eP HEE: iP i	14 14 13 13 13	01 09 43 43 43	 30.0 38.0 49.0	-						43.0N 78.9E, H: 13 34 55.0 h N. Mb 5.2 Alma-Ata region.	
13.	WIT: ePKP	01	20	52.5							4.6S 154.8E, H: 01 02 46.4 h 492 km. Mb 5.4 Solomon Islands.	
15.	DBN: eL F	06 07	58 18								16.2S 41.6E, H: 06 16 27.8 h N. Mb 5.3, Ms 5.3 Mozambique Channel.	
15.	HEE: eP	10	28	06.0							35.9N 27.1E, H: 10 23 18.3 h 28 km. Mb 4.6 Dodecanese Islands.	
15.	DBN: eL F	13 14	47.7 06			18		2.4		5.5	40.7N 122.6E, H: 13 08 07.3 h N. Mb 5.0, Ms 5.3 Northeastern China.	
16.	WIT: iPKP HEE: ePKP	05 05	17 17	35.0 37.0	- +						7.2S 146.1E, H: 04 58 55.7, h 174 km. Mb 5.7 East New Guinea region.	
16.	DBN: eL F	14 15	40 00			18		3.4		5.6	40.7N 122.5E, H: 14 01 23.2, h N. Mb 5.2, Ms 5.4 Northeastern China.	
16.	DBN: eL F	17 17	00 26								8.5S 82.1W, H: 16 13 40.3, h 29 km. Mb 5.2, Ms 5.1 Off coast of northern Peru.	
17.	DBN: eS eSS eL F WIT: eP HEE: eP	04 04 04 05.4 03 03	00 05.2 18 50 50	19 16.5 20.5					20	5.3	5.9	17.6N 97.9E, H: 03 38 19.8, h 6 km. Mb 5.6, Ms 5.9 Burma-Thailand border region.
18.	DBN: eL F	23 23	43 55									35.2S 15.8W, H: 22 59 46.8, h N. Mb 4.9 Tristan da Cunha region.
20.	WIT: iP ePcP HEE: iP	05 05 05	41 42 41	01.3 41.0 11.0	+ +							49.8N 78.1E, H: 05 32 57.7, h 0 km. Mb 5.7 Eastern Kazakh SSR.

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
FEB. 1975	22. DBN: iP	00	59	59	+						17.4N 100.5W, H: 00 47 21.7, h 40 km. Mb 5.3, Ms 5.8 Guerrero, Mexico.
	eS	01	10	40							
	eL	01	28								
	F	02.6									
	WIT: eP	01	00	03.0							
HEE: iP	01	00	03.5								
22.	DBN: iP	08	47	55	+						51.4N 179.4W, H: 08 36 07.4, h 48 km. Mb 6.3, Ms 6.5 Andreanof Is., Aleutian Islands.
	iPP	08	50	51							
	iPPP	08	52	40							
	iS	08	57	40							
	iSS	09	02	42							
	eSSS	09	06	00							
	eL	09	09			20			32.0	6.7	
	F	12.0									
WIT: iP	08	47	52.0	+							
HEE: iP	08	48	02.0	+							
22.	DBN: eL	16	07								41.3N 144.5E, H: 15 26 48.9, h 18 km. Mb 5.4, Ms 4.4 Hokkaido, Japan region.
	F	16	27								
	WIT: eP	15	38	56.0							
22.	DBN: iP	22	23	42	-	8	5.5				24.9S 179.1W, H: 22 04 37.7, h 375 km. Mb 6.2 South of Fiji Islands
	iPKP2	22	24	01	-						
	ipPKP	22	25	16	+						
	iPP	22	27	36							
	iSS	22	46	40							
	F	24.6									
	WIT: ePKP	22	23	42.0							
	i	22	23	50.0							
	HEE: iP	22	23	45.0	+						
	ipPKP2	22	24	08.0							
epPKP	22	25	15.5								
ipPKP2	22	25	41.0	-							
22.	WIT: eP	22	59	28.5	+						51.3N 179.3W, H: 22 47 45.8, h 62 km. Mb 5.1 Andreanof Is., Aleutian Islands.
	HEE: eP	22	59	39.5							
23.	WIT: eP	01	27	59.0							51.3N 179.4W, H: 01 16 14.4, h 55 km. Mb 5.0 Andreanof Is., Aleutian Islands.
23.	WIT: ePKP	03	05	31.5	+						25.0S 178.8W, H: 02 46 18.6, h 376 km. Mb 4.7 South of Fiji Islands.
	HEE: ePKP	03	05	36.0							
	i	03	05	50.0	+						

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
FEB. 1975											
23.	WIT: eP HEE: iP	03	11	21.0	+						8.ON 124.1E, H: 02 58 41.0, h 623 km. Mb 5.6 Mindanao, Philippine Islands.
23.	WIT: iP HEE: eP	04	07	20.0							21.7S 71.4W, H: 03 53 35.9, h N. Mb 5.6, Ms 4.9 Off coast of northern Chile.
23.	WIT: eP HEE: eP	05	21	28.0							51.3N 179.3W, H: 05 09 43.3, h 50 km. Mb 5.0 Andreanof Is., Aleutian Islands.
25.	HEE: ePKP	05	39	07.5							7.4S 149.8E, H: 05 20 04.5 h N. Mb 5.5, Ms 4.9 New Britain region.
25.	DBN: eL F	06 07	52 04								38.2N 73.1E, H: 06 27 55.0 h N. Mb 4.9 Tadzhik-Sinkiang border region.
25.	WIT: iPKP HEE: ePKP	06	36	08.8	+						18.6S 177.8W, H: 06 17 31.1 h 570 km. Mb 4.3 Fiji Islands region.
25.	HEE: ePKP	21	14	33.0							20.1S 168.7E, H: 20 54 51.6 h 18 km. Mb 4.8 Loyalty Islands.
26.	DBN: iP iS eL F WIT: eP HEE: eP i i	04 05 05 05 04 04 04 04	56 02 07.0 55 56 56 56 56	16 20 07.0 11.0 25.5 33.5 47.5		6 18	1.7 6.4			5.5	85.ON 98.0E, H: 04 48 54.7 h N. Mb 5.4, Ms 5.6 North of Severnaya Zemlya.
26.	WIT: ePKP	14	48	01.0							6.5S 154.9E, H: 14 29 00.5 h 54 km. Mb 5.5 Solomon Islands.
26.	DBN: eL F HEE: eP	18 18 18	42 57 35								53.8N 35.3W, H: 18 30 11.9 h N. Mb 4.8, Ms 4.8 North Atlantic Ocean.
26.	DBN: eL F	19 19	51 55								54.ON 35.2W, H: 19 37 30.6 h N. Mb 4.6, Ms 4.5 North Atlantic Ocean.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms	
		h	m	s			Z	NS	EW			
FEB. 1975	27. DBN: iPP	14	44	40							6.1S 148.2E, H: 14 23 59.3 h 78 km. Mb 5.9 New Britain region.	
	ePS	14	54	42								
	ePPS	14	56	16								
	eSS	15	01	40								
	eL	15	25									
	F	16	47									
	WIT: ePKP	14	42	50.5								
	HEE: ePKP	14	42	53.0	+							
	27. WIT: iPKP	19	01	27.0	+							17.9S 178.6W, H: 18 42 53.7 h 586 km. Mb 5.9 Fiji Islands region.
	i	19	01	36.3								
i	19	04	13.0									
HEE: iPKP	19	01	32.0	+								
i	19	01	39.0	-								
epPKP	19	03	48.0									
28. WIT: eP	15	26	59.0	+						37.1N 116.1W, H: 15 15 00.0 h 0 km. Mb 5.7 Southern Nevada.		
HEE: iP	15	27	04.5	+								
28. DBN: eL	20	00.4								40.7N 22.5E, H: 19 51 09.1 h 35 km. Mb 4.4 Greece.		
F	20	06										

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
MARCH 1975	1. WIT: eP	00	04	47.5							36.5N 70.7E, H: 23 56 36.6 h 200 km. Mb 5.3 Hindu Kush region.
	ePcP	00	06	16.0							
	ePP	00	06	40.0							
	HEE: eP	00	04	53.5	+						
	ePP	00	06	47.0							
1.	WIT: ePKP	05	53	27.5							ISC: 17.9S 178.7W H: 05 34 51.2, h 550 km. Mb 3.9 Fiji Islands region.
	HEE: ePKP	05	53	33.0	+						
1.	WIT: iP KP	06	09	38.1	-						23.3S 177.7W, H: 05 50 17.5 h 270 km. Mb 4.9 South of Fiji Islands.
	HEE: ePKP	06	09	42.5	-						
	iPKP2	06	09	53.5	-						
1.	DBN: eS	15	18	03							8.4S 82.0W, H: 14 53 19.0 h N. Mb 5.5, Ms 5.3 Off coast of northern Peru.
	eL	15	38								
	F	16	21								
2.	DBN: eL	14	43								85.0N 98.2E, H: 14 23 26.6 h N. Mb 5.0, Ms 5.0 North of Severnaya Zemlya.
	F	15	02								
	WIT: eP	14	30	44.5							
	e	14	30	47.0							
	HEE: eP	14	30	58.5							
	e	14	31	06.0							
3.	WIT: eP	09	56	36.0							36.4N 70.9E, H: 09 48 23.8 h 201 km. Mb 5.3 Hindu Kush region.
	epP	09	57	19.0							
	HEE: eP	09	56	42.0							
	ipP	09	57	24.0							
3.	HEE: ePKP	23	24	11.0							16.1S 178.2W, H: 23 05 00.5 h 288 km. Mb 4.6 Fiji Islands region.
4.	DBN: eL	12	17								5.0S 130.0E, H: 11 17 48.3 h 29 km. Mb 5.7, Ms 5.4 Banda Sea.
	F	12	44								

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
MARCH 1975	5. DBN: ePdif	00	36	52	(+)	20	14.0	6.5	2.4S 126.1E, H: 00 22 19.7 h N. Mb 6.4, Ms 6.6 Ceram Sea.		
	iZ	00	37	00	+						
	iPP	00	41	28							
	iSKS	00	47	36							
	iS	00	49	12							
	iSP	00	50	55							
	eSS	00	57	00							
	eSSS	01	00	55							
	eL	01	13								
	F	04.0									
	WIT: ePdif	00	37	00.5							
	e	00	40	26.5							
	ePP	00	41	26.5							
	ePKKP	00	52	13.0							
	HEE: ePdif	00	37	04.0							
e	00	40	37.5								
iPP	00	41	30.5								
ePKKP	00	52	03.0								
5. DBN: eL	11	43			-	19.5S 168.9E, H: 10 27 09.9 h 55 km. Mb 5.6 New Hebrides Islands.					
F	11	57									
WIT: iPKP	10	46	38.7								
HEE: iPKP	10	46	44.5								
5. DBN: iP	13	59	32	+	+	9.0N 69.9W, H: 13 48 00.7 h 51 km. Mb 5.6 Venezuela.					
eL	14	25									
F	15	04									
WIT: eP	13	59	37.5								
i	13	59	38.8								
ipP	13	59	43.7								
HEE: iP	13	59	34.0								
ipP	13	59	41.5								
5. DBN: eL	22	27				56.0S 27.2W, H: 21 32 01.1 h 57 km. Mb 5.9 South Sandwich Islands region					
F	22	45									
7. DBN: eL	03	53			+	20.4S 174.0W, H: 02 30 26.9 h 37 km. Mb 5.2, Ms 5.4 Tonga Islands.					
F	04	14									
WIT: ePKP	02	50	10.5								
ePKP2	02	50	14.0								
e	02	50	33.5								
HEE: ePKP	02	50	15.5								
7. DBN: eL	04	21.4				45.9N 26.6E, H: 04 13 05.1 h 21 km. Mb 4.9, Ms 4.5 Rumania.					
F	04	40									
WIT: e	04	16	55.0								
HEE: e	04	16	45.0								

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
MARCH 1975	7. DBN: iP	07	13	00	+	6	4.1			27.5N 56.3E, H: 07 04 42.6 h 27 km. Mb 5.8, Ms 6.1 Southern Iran. (7 killed)	
	eS	07	19	36							
	eL	07	27			20		16.0	6.0		
	F	08.8									
	WIT: iP	07	12	53.3	+						
	iPcP	07	14	36.9							
	HEE: iP	07	12	53.0	-						
	ePcP	07	14	36.5							
	7. HEE: eP	14	35	06.5	+						27.5N 56.2E, H: 14 26 56.5 h 28 km. Mb 5.2 Southern Iran.
	7. WIT: iP	15	12	00.2	+						37.1N 116.1W, H: 15 00 00.0 h 0 km. Mb 5.5 Southern Nevada.
	HEE: iP	15	12	04.5	+						
7. DBN: eL	18	14							28.3N 104.1E, H: 17 36 08.2 h N. Mb 5.3, Ms 5.0 Szechwan Province, China.		
F	18	33									
WIT: eP	17	47	32.0								
e	17	47	50.0								
8. DBN: eL	05	41.5							79.2N 96.1W, H: 05 20 40.9 h N. Mb 4.4, Ms 4.7 Queen Elizabeth Islands.		
F	05	58									
WIT: eP	05	28	22.5								
HEE: eP	05	28	36.0	+							
8. WIT: iP	08	45	07.1						38.6N 14.8W, H: 08 40 29.0 h N. Mb 4.7, Ms 4.3 North Atlantic Ocean.		
HEE: iP	08	44	52.5	-							
9. HEE: ePKP	00	37	07.5	-					16.8S 173.5W, H: 00 17 28.2 h N. Mb 4.6, Ms 4.3 Tonga Islands.		
e	00	37	18.5	-							
i	00	37	21.0	+							
9. WIT: ePKP	16	04	31.0						24.4S 176.7W, H: 15 44 55.0 h 168 km. Mb 4.9 South of Fiji Islands.		
ePKP2	16	04	43.5								
HEE: ePKP	16	04	37.5								
10. DBN: eL	21	51							9.6N 124.1E, H: 21 00 02.8 h 53 km. Mb 5.2 Mindanao, Philippine Islands.		
F	22	15									
11. WIT: iP	05	51	01.9	+					49.8N 78.3E, H: 05 42 57.6 h 0 km. Mb 5.4 Eastern Kazakh SSR.		
HEE: iP	05	51	12.0								

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
MARCH 1975	11. DBN: eL	16	08							ISC: 59.0N 32.3W, H: 15 56 28.3, h 0 km. Mb 4.4 North Atlantic Ocean.	
	F	16	12								
	11. DBN: eL	23	51							66.1N 18.6W, H: 23 42 24.4 h N. Mb 4.5 Iceland region.	
	F	24	06								
	HEE: eP	23	46	57.0							
	13. DBN: eP	15	41	00						29.9S 71.3W, H: 15 26 42.5 h 4 km. Mb 6.2, Ms 6.9 Near coast of central Chile. (2 killed)	
	iPP	15	45	32							
	iS	15	51	36							
	iSP	15	54	34							
	eSS	16	00	10							
	eSSS	16	04.3								
	eL	16	12		20		28.5	6.8			
	F	18.8									
	HEE: eP	15	40	57.0							
	ePKKP	15	56	51.0							
	13. HEE: eP	16	31	06.5						45.5N 153.8E, H: 16 18 57.8 h N. Mb 5.2 Kuril Islands region.	
	13. HEE: iPKP	17	10	06.5						19.0S 168.8E, H: 16 50 34.4 h 71 km. Mb 5.0 New Hebrides Islands.	
	13. DBN: iPKP	19	05	02	-					21.8S 170.5E, H: 18 45 29.5 h 85 km. Mb 6.1 Loyalty Islands region.	
	iZ	19	05	10	+	6	6.9				
	iPP	19	08	37							
	iPPP	19	12	05							
	iSKKS	19	15	12							
	iSKSP	19	18	41							
	iSPP	19	21	12							
	eSS	19	27	36							
	eSSS	19	32	48							
	eL	19	47								
	F	22.5									
	WIT: ePKP	19	05	02.0	-						
	i	19	05	03.4							
	i	19	05	30.5							
	ePP	19	08	35.5							
	HEE: ePKP	19	05	05.0	-						
	i	19	05	08.0	+						
	iPP	19	08	39.0							

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
MARCH 1975											
13.	DBN: eL F HEE: eP e	24 01	16 00								16.3N 87.0W, H: 23 40 10.9 h N. Mb 5.2, Ms 5.2 Caribbean Sea.
14.	WIT: ePKP HEE: iPKP	00 00	21 21	34.0 40.0	+						21.7S 170.7E, H: 00 01 58.7 h 64 km. Mb 5.0 Loyalty Islands region.
14.	DBN: iP ePP eS eL F HEE: eP	02 02 02 02 02 02	05 06 09 10.4 40	41 02 12 23.0	+	6	1.4				71.6N 4.1W, H: 02 01 08.6 h N. Mb 4.9, Ms 4.7 Jan Mayen Island region.
14.	DBN: eL F WIT: eP	05 in next shock 05	58	08.5							46.3N 153.1E, H: 05 15 15.2 h 33 km. Mb 5.2 Kuril Islands.
14.	DBN: eL F WIT: i(P) epP HEE: iP epP	06 07 06 06 06 06	40 16 16 17 16 17	46.2 21.5 42.0 19.5	-						16.6N 93.4W, H: 06 04 31.3 h 155 km. Mb 5.5 Chiapas, Mexico.
14.	DBN: eL F	14 15	41 00								35.3N 136.8E, H: 13 56 16.5 h 57 km. Mb 4.9 Southern Honshu, Japan.
14.	WIT: iP HEE: eP	16 16	17 17	21.8 31.5	+						44.3N 148.5E, H: 16 05 25.3 h N. Mb 5.4 Kuril Islands.
14.	DBN: eL F	19 19	23 34								34.0N 95.5E, H: 18 48 42.9 h N. Mb 5.1 Tsinghai Province, China.
14.	DBN: eL F	20 21	53 20								2.1S 134.2E, H: 19 59 03.1 h 35 km. Mb 5.3, Ms 5.0 West New Guinea region.
15.	WIT: eP HEE: eP	10 10	11 11	48.0 59.0	-						53.0N 160.0E, H: 10 00 23.6 h N. Mb 4.7, Ms 4.2 Near east coast of Kamchatka.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
MARCH 1975											
16.	WIT: eP	23	52	37.5							43.4N 146.5E, H: 23 40 41.0 h 46 km. Mb 5.0 Kuril Islands.
17.	DBN: eL F	02	16.0								40.4N 26.0E, H: 02 06 38.1 h 2 km. Mb 4.6 Turkey.
17.	DBN: iP iS eL F WIT: e(P) HEE: eP e	05	15	36 08 20.1		20		21.5		5.5	40.4N 26.0E, H: 05 11 12.2 h 3 km. Mb 5.0, Ms 5.3 Turkey.
17.	DBN: eL F WIT: eP HEE: eP	05	27.5			20		16.0		5.4	40.5N 26.2E, H: 05 17 47.3 h 5 km. Mb 4.8, Ms 5.5 Turkey.
17.	DBN: eL F WIT: eP HEE: eP e eL	05	44.0			20		44.5		5.8	40.5N 26.1E, H: 05 35 15.2 h 5 km. Mb 5.2, Ms 5.9 Turkey.
17.	DBN: eSP eSS eL F	22	40	40 47.0 04 24.0		21		7.1		6.3	2.5S 138.2E, H: 22 11 01.6 h N. Mb 5.4, Ms 6.0 West New Guinea.
18.	DBN: eL F	00	18								2.6S 138.3E, H: 23 22 09.8 h N. Mb 5.3, Ms 5.3 West New Guinea.
18.	DBN: eL F	07	55								2.6S 138.3E, H: 06 54 08.0 h 48 km. Mb 5.2, Ms 5.4 West New Guinea.
18.	DBN: iP ipP iS iSP eL F WIT: iP e HEE: iP	17	34	06 32 40 36 03 18.5 11.9 26.5 07.5	- +	6	3.3				4.2S 77.0W, H: 17 21 23.4 h 98 km. Mb 6.2 Northern Peru.

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
MARCH 1975											
18.	DBN: eL F	19	11.4			20		12.5		6.1	35.2N 86.6E, H: 18 44 16.4 h N. Mb 5.3, Ms 5.8 Tibet.
19.	HEE: iPKP	14	01	56.0	+						15.8S 172.0W, H: 13 42 21.0 h N. Mb 5.2, Ms 5.0 Samoa Islands region.
20.	WIT: iP HEE: iP	07	42	22.8	+						51.3N 179.6W, H: 07 30 38.8 h 57 km. Mb 5.4 Andreanof Is., Aleutian Islands.
21.	WIT: iPKP HEE: iPKP epPKP i	04	42	46.2	+						20.2S 169.5E, H: 04 23 21.2 h 107 km. Mb 5.4 New Hebrides Islands.
22.	DBN: eL F	15	58								30.0N 69.0E, H: 15 32 15.4 h 42 km. Mb 5.1 West Pakistan.
23.	DBN: iP iZ iPP iS iSP iSPP iSS eL F WIT: iP i HEE: eP i ePP	07	45	29	-	6	1.9				22.7N 122.8E, H: 07 32 36.5 h 21 km. Mb 6.2, Ms 6.6 Taiwan region.
		08	02	00							
		08	09			20		125		7.3	
		10	50								
		07	45	20.7	-						
		07	45	23.8							
		07	45	26.5	+						
		07	45	30.0	-						
		07	48	53.5							
23.	DBN: eL F	14	13								22.6N 122.5E, H: 13 26 06.9 h 33 km. Mb 4.4 Taiwan region.
		14	36								
23.	DBN: eL F WIT: eP HEE: iP e	20	30								46.7N 152.5E, H: 19 48 07.8 h N. Mb 5.5, Ms 4.4 Kuril Islands.
		20	54								
		19	59	57.5	+						
		20	00	08.0	+						
		20	00	11.5							

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
MARCH 1975	24. DBN: eL	02	37.8							46.3N 13.1E, H: 02 33 18.5 h 21 km. Mb 4.2 Northern Italy.	
	F	02	40								
	WIT: ePn	02	35	18.5							
	e	02	35	22.0							
	e	02	35	28.0							
	eL	02	37.7								
	HEE: iPn	02	34	57.5							
	i	02	35	04.5	-						
	i	02	35	12.0	+						
	eL	02	36.5								
24. DBN: eS	05	50	20		20	4.3	5.5	29.6N 68.6E, H: 05 33 46.6 h 26 km. Mb 5.5, Ms 5.4 West Pakistan.			
eL	06	00									
F	06	48									
WIT: eP	05	42	43.5	+							
HEE: eP	05	42	47.5								
24. DBN: eL	07	46						13.6N 90.8W, H: 06 59 56.5 h 59 km. Mb 4.9 Near coast of Guatemala.			
F	07	55									
24. WIT: iPn	15	44	08.6	-				21.2S 179.0W, H: 15 25 32.4 h 652 km. Mb 5.3 Fiji Islands region.			
HEE: iPn	15	44	12.5	-							
iPKP2	15	44	21.0	+							
25. DBN: eL	03	11						13.6N 90.7W, H: 02 31 22.2 h N. Mb 5.2, Ms 5.3 Near coast of Guatemala.			
F	03	51									
25. DBN: eSKS	07	05	30					28.0S 66.7W, H: 06 41 33.0 h 178 km. Mb 5.9 Catamarca Province, Argentina.			
ePPS	07	09	20								
eL	07	38									
F	07	55									
HEE: eP	06	55	04.5								
26. DBN: eL	04	13						5.4S 30.2E, H: 03 40 48.3 h N. Mb 5.1 Lake Tanganyika region.			
F	04	40									
26. WIT: eP	18	14	18.5					53.1N 159.8E, H: 18 02 54.6 h N. Mb 5.2 Near east coast of Kamchatka.			
HEE: eP	18	14	29.0	+							
27. DBN: eL	00	12						3.6N 121.9E, H: 23 19 28.7 h N. Mb 5.3 Celebes Sea.			
F	00	49									

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
MARCH 1975											
27.	DBN: iP	05	19	25	-	10	6.8				40.4N 26.1E, H: 05 15 06.2
	iS	05	22	55							h 5 km. Mb 5.7, Ms 6.7
	eL	05	23.8			20		320		6.7	Turkey.
	F	07	40								
	WIT: eP	05	19	22.0							
	e	05	19	24.0							
	i	05	19	32.3	-						
	i	05	20	12.2	+						
	eL	05	25.1								
	HEE: eP	05	19	12.5	+						
	i	05	19	15.5	-						
	eS	05	22	48							
	eL	05	24.6								
27.	DBN: eL	08	16								No determination of
	F	09	04								epicenter.
27.	DBN: eL	17	30.5								6.2S 130.1E, H: 16 45 41.2
	F	17	35								h 156 km. Mb 5.0
											Banda Sea.
27.	DBN: eL	18	45								22.6N 122.8E, H: 17 59 04.1
	F	19	04								h N. Mb 4.9
											Taiwan region.
27.	DBN: eL	19	55.0								40.4N 26.0E, H: 19 42 42.0
	F	19	59								h 5 km. Mb 4.6
											Turkey.
28.	DBN: iP	02	42	32	-	5	2.2				42.1N 112.5W, H: 02 31 05.7
	iPP	02	45	12							h 5 km. Mb 6.1, Ms 6.0
	eS	02	51	56							Eastern Idaho.
	iPPS	02	52	40							
	eSS	02	56.5								
	eSSS	03	00.0								
	eL	03	06			18			8.5	6.1	
	F	04	35								
	WIT: eP	02	42	33.0							
	e	02	42	35.0							
	HEE: iP	02	42	39.5	+						
	i	02	42	42.0	-						
29.	DBN: eL	02	03.3								36.3N 3.2W, H: 01 53 39.2
	F	02	06								h N. Mb 4.5
											Strait of Gibraltar.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
MARCH 1975	29. DBN: eP	09	45	40							13.3N 50.7E, H: 09 36 21.0 h N. Mb 5.4, Ms 5.6 Eastern Gulf of Aden.
	eS	09	53	16							
	eSS	09	57	00							
	eL	10	05								
	F	10.7									
	HEE: eP	09	45	30.0	+						
i	09	45	36.5	+							
29.	DBN: eL	20	40								36.2N 140.0E, H: 19 57 00.9 h 84 km. Mb 5.3 Near east coast of Honshu, Japan.
	F	21	00								
	WIT: eP	20	09	16.0	+						
	HEE: eP	20	09	25.0	+						
30.	DBN: eL	13	13.8								ISC: 40.6N 26.4E H: 13 03 17.6, h 0 km. Mb 4.5 Turkey.
	F	13	18								
30.	DBN: ePKP	22	50	24							ISC: 54.2S 8.7E, H: 22 32 01.8, h 0 km. Mb 5.6 Bouvet Island region.
	ePPP	22	53	00							
	eSKS	22	57	06							
	iSP	22	59	48							
	iSPP	23	00	45							
	eSS	23	05	40							
	eSSS	23	09	36							
	eL	23	20			20		7.0		6.2	
	F	01.7									
	HEE: ePKP	22	50	23							
30.	WIT: ePKP	22	54	27.0							ISC: 22.2S 171.3E, H: 22 34 57.6, h 129 km. Mb 4.9 Loyalty Islands region.
	HEE: iPKP	22	54	32.0	+						
	iPKP2	22	54	37.5	+						
31.	WIT: iP	01	50	03.0	+						27.0N 126.4E, H: 01 37 41.0 h 126 km. Mb 5.2 East China Sea.
	HEE: eP	01	50	09.5							
31.	DBN: eP	03	04	44							22.8N 122.9E, H: 02 51 58.4 h 32 km. Mb 5.5 Taiwan region.
	eL	03	35			18		2.0	5.5		
	F	04	10								
	WIT: iP	03	04	41.1	+						
	HEE: iP	03	04	48.0	+						
	e	03	05	19.0							
31.	DBN: eL	06	24								49.4N 125.6W, H: 05 48 37.8 h 33 km. Mb 5.3 Vancouver Island region.
	F	06	41								
	WIT: e(P)	06	00	02.0	+						
	HEE: eP	06	00	00.0							
	e	06	00	12.0	+						

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
MARCH 1975											
31.	WIT: eP	08	32	13.0							45.6N 26.4E, H: 08 28 46.2 h 140 km. Mb 4.7 Rumania.
31.	DBN: eS	10	22	16							46.7N 91.3E, H: 10 05 25.9 h N. Mb 5.3, Ms 5.4 Mongolia.
	eSS	10	26.0								
	eL	10	32								
	F	11.8									
	WIT: eP	10	14	34.0							
	HEE: eP	10	14	44.0							
31.	DBN: eL	11	57								23.1S 175.1W, H: 10 42 20.4 h 46 km. Mb 5.1, Ms 5.2 Tonga Islands region.
	F	12.8									
	WIT: ePKP	11	02	09.0	+						
	HEE: ePKP	11	02	13							
	ePKP2	11	02	24.0							

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
APRIL 1975											
1.	WIT: ePKP	03	13	58.0	+						24.8S 178.5E, H: 02 55 08.2 h 584 km. Mb 4.8 South of Fiji Islands.
1.	DBN: eL F	08 08	30.6 34								38.5N 23.1E, H: 08 20 01.6 h 6 km. Mb 4.6 Greece.
1.	WIT: eP HEE: eP	19 19	33 33	10.5 21.0							48.2N 154.8E, H: 19 21 25.9 h 35 km. Mb 5.1 Kuril Islands.
2.	DBN: eL F	04 04	33 44								22.6N 123.0E, H: 03 44 18.3 h 33 km. Mb 5.0 Southeast of Taiwan.
2.	DBN: eL F HEE: iP	09 10 08	27 00	39.0	+						33.6N 140.4E, H: 08 44 00.4 h 71 km. Mb 5.6 South of Honshu, Japan.
2.	DBN: eL F	11 11	20 45								19.2N 121.2E, H: 10 35 26.4 h 43 km. Mb 5.0 Philippine Islands region.
2.	DBN: eL F WIT: iP HEE: iP	11 12 10 10	57 41	22.3 26.0	+						23.0S 175.1W, H: 10 31 32.0 h N. Mb 5.6, Ms 5.3 Tonga Islands region.
2.	WIT: e HEE: i	19 19	10 10	15.5 21.0	+						No determination of epicenter.
3.	WIT: iP HEE: iP	06 06	39 39	37.5 43.5	-						17.0N 120.3E, H: 06 26 44.3 h 83 km. Mb 5.2 Luzon, Philippine Islands.
4.	DBN: iP iPP iS eL F WIT: eP i HEE: iP i i i	05 05 05 05 05 05 05 05 05 05 05	20 20 23 25.0 52	28 47 52	-	20	3.6		4.7		38.1N 22.0E, H: 05 16 16.2 h 53 km. Mb 5.4 Greece.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
APRIL 1975	4. DBN: eL	06	51								1.1N 132.1E, H: 05 52 33.3 h N. Mb 5.5 West New Guinea region.
	F	07	08								
	4. HEE: eP	09	12	44							44.1N 11.0E, H: 09 10 53.4 h N. Mb 4.6 Northern Italy.
	4. DBN: eL	12	36								31.1S 178.4W, H: 11 12 08.0 h 45 km. Mb 5.5, Ms 5.3 Kermadec Islands region.
	F	13	10								
	WIT: ePKP	11	32	07.0							
	HEE: ePKP	11	32	03.0							
	4. DBN: eP	17	53	32							21.2S 45.1E, H: 17 41 16.3 h N. Mb 5.4, Ms 5.6 Malagasy Republic.
	eL	18	22								
	F	19	16								
HEE: eP	17	53	22.5 +								
4. HEE: ePKP	20	11	24.5								ISC: 21.8S 170.8E, H: 19 51 46, h 89 km Loyalty Islands region.
5. DBN: eL	10	05			20			7.2	6.0	10.ON 69.8W, H: 09 34 36.6 h 33 km. Mb 5.6, Ms 6.1 Venezuela (3 killed).	
F	11.8										
WIT: eP	09	46	10.5								
HEE: eP	09	46	06.5								
5. DBN: iP	17	04	20							52.2N 160.2E, H: 16 52 47.2 h N. Mb 5.5, Ms 5.3 Off east coast of Kamchatka.	
iZ	17	04	43								
ePP	17	07	11								
eS	17	14	04								
eL	17	28			18		3.1		5.6		
F	in next shock										
WIT: iP	17	04	16.4 +								
i	17	04	28.5								
HEE: iP	17	04	27.0 +								
5. DBN: iP	18	01	32								52.3N 160.0E, H: 17 49 58.9 h N. Mb 5.5, Ms 5.5 Off east coast of Kamchatka.
eS	18	11	20								
eL	18	27			18		6.8		5.9		
F	19.8										
WIT: iP	18	01	28.3 -								
i	18	01	32.3 +								
HEE: iP	18	01	37.5 +								
i	18	01	44.5 +								

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
APRIL 1975	5. DBN: iP	20	50	16	-	22	4.6	5.8	10.1N 75.7W, H: 20 38 30.1 h 52 km. Mb 5.5 Near north coast of Colombia.		
	iZ	20	50	32	-						
	iS	21	00	00							
	eSS	21	04.9								
	eL	21	11								
	F	22.3									
	WIT: eP	20	50	22.0							
	e	20	50	41.0							
	e	20	50	49.5							
	HEE: eP	20	50	18.5							
6. WIT: ePKP	00	30	59.5	-				23.3S 179.0E, H: 00 12 02.8 h 464 km. Mb 4.9 South of Fiji Islands.			
HEE: ePKP	00	31	03.0								
e	00	31	15.5								
6. DBN: iP	10	06	53	+	8	2.1	6.7	52.2N 160.2E, H: 09 55 18.9 h N. Mb 5.6, Ms 6.2 Off east coast of Kamchatka.			
iZ	10	07	09	+							
iS	10	16	27								
iSP	10	17	06								
iPPS	10	17	24								
eSS	10	21	25								
eL	10	31			19						
F	in next shock										
WIT: iP	10	06	48.3	+							
i	10	06	59.5	-							
HEE: iP	10	06	58.5	+							
6. DBN: eL	11	11			19	27.5	6.6	52.2N 160.0E, H: 10 34 56.7 h N. Mb 5.7, Ms 6.2 Off east coast of Kamchatka.			
F	14.9										
WIT: iP	10	46	25.7	+							
i	10	46	38.0	+							
HEE: iP	10	46	36.0	+							
6. WIT: eP	13	47	30.5					52.3N 160.1E, H: 13 35 58.5 h N. Mb 4.9 Off east coast of Kamchatka.			
7. DBN: eL	02	24						2.0S 80.3W, H: 01 39 50.5 h 62 km. Mb 4.9 Near coast of Ecuador.			
F	02	35									
7. DBN: eL	23	03.9						42.2N 29.6W, H: 22 51 32.5 h N. Mb 4.7 Azores Islands region.			
F	23	12									
8. DBN: eL	02	03.4						42.7N 29.3W, H: 01 51 30.0 h N. Mb 4.9, Ms 4.8 Azores Islands region.			
F	02	16									
HEE: eP	01	56	56.5								

SEISMOLOGICAL BULLETIN



Date APRIL 1975	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
8.	DBN: iP	06	39	33						37.7N 141.7E, H: 06 27 13.3 h 46 km. Mb 5.8, Ms 5.3 Near east coast of Honshu, Japan.	
	eL	07	10								
	F	07.5									
	WIT: iP	06	39	28.6	+						
	ipP	06	39	40.5							
	HEE: iP	06	39	38.0							
8.	i	06	39	43.0						42.7N 29.4W, H: 11 36 53.8 h N. Mb 5.2, Ms 5.0 Azores Islands region.	
	ipP	06	39	50.5							
	DBN: eL	11	49.0								
9.	F	12	00							4.0S 152.7E, H: 06 26 22.2 h 133 km. Mb 6.3 New Britain region.	
	DBN: iP	06	47	03							
	ePS	06	56	52							
	eSS	07	03.5								
	eL	07	20								
	F	08	53								
	WIT: iP	06	45	07.5	-						
	ipPKP	06	45	46.3	-						
	HEE: ePKP	06	45	10.0	-						
	epPKP	06	45	44.5	+						
9.	e	06	45	49.0						11.7N 125.5E, H: 15 03 20.5 h 48 km. Mb 5.4 Samar, Philippine Islands.	
	DBN: eL	15	54								
9.	F	16	14							ISC: 40.7N 122.5E, H: 19 55 36, h 19 km. MB 4.6, N.E. China.	
	DBN: eL	20	36								
9.	F	20	48							38.1N 72.7E, H: 22 25 28.1 h 78 km. Mb 5.5 Tadzhik SSR.	
	HEE: eP	22	33	58.5	-						
10.	DBN: eL	16	48							47.5S 99.8E, H: 15 36 07.8 h N. Mb 5.1, Ms 5.5 Southeast Indian Rise.	
	F	17	14								
10.	WIT: ePKP	17	09	48.5						22.4S 173.1E, H: 16 50 12.2 h 113 km. Mb 5.0 Loyalty Islands region.	
	HEE: ePKP	17	09	52.0							
10.	HEE: ePKP	18	31	39.0	-					15.6S 171.9W, H: 18 12 01.6 h 15 km. Mb 5.1 Samoa Islands region.	

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
APRIL 1975	11. DBN: iPKP	00	30	21	-	6	1.7				50.8S 139.1E, H: 00 10 35.1 h N. Mb 5.8, Ms 6.3 South of Australia.
		iSKP	00	33	56						
	eSS	00	53	40							
	eSSS	00	59.5								
	eL	01	25			20		3.9	6.2		
	F	03.0									
	WIT: ePKP	00	30	24.0							
		i	00	30	26.0	-					
	i	00	30	28.5	+						
	i	00	30	36.0	+						
	ePcPP'	00	41	23.0							
	HEE: ePKP	00	30	23.0							
		i	00	30	25.5	-					
	i	00	30	28.0	+						
i	00	30	35.5	+							
iPcPP'	00	41	22.5	+							
11. DBN: eL	11	26								54.1N 163.2W, H: 10 47 15.3 h 20 km. Mb 5.5, Ms 5.2 Unimak Island region.	
	F	12	05								
	WIT: iP	10	58	46.9	-						
HEE: iP	10	58	57.0								
11. WIT: iP	12	01	20.5	+						17.7S 178.8W, H: 11 42 46.1 h 571 km. Mb 5.6 Fiji Islands region.	
	HEE: ePKP	12	01	25.0							
12. HEE: eP	13	23	24.5							52.0N 30.2W, H: 13 18 28.9 h N. Mb 4.7, Ms 4.1 North Atlantic Ridge.	
	e	13	23	39.0							
12. WIT: ePKP	14	44	38.0							17.7S 178.8W, H: 14 26 02.8 h 562 km. Mb 5.1 Fiji Islands region.	
	HEE: ePKP	14	44	44.0	-						
12. WIT: iP	15	46	26.1	+						14.8S 72.7W, H: 15 33 08.6 h 81 km. Mb 5.9 Peru.	
	HEE: eP	15	46	21.0	+						
12. HEE: eP	16	50	19.0							38.4N 15.5E, H: 16 47 01.8 h 172 km. Mb 4.4 Sicily.	
13. DBN: iP	01	48	12	+						5.7N 125.4E, H: 01 34 36.2 h 225 km. Mb 5.7 Mindanao, Philippine Islands.	
	iPP	01	52	32							
	ipPP	01	53	32							
	eSKS	01	58	28							
	esSKS	02	00	00							
	ePS	02	01	16							
	ePPS	02	02	01							
	eL	02	26								
	F	03.2									
	HEE: iP	01	48	12.5	+						
		ePP	01	52	30.0						

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
APRIL 1975	HEE: iP	02	05	32.0	+						4.8N 75.8W, H: 01 53 30.7 h 144 km. Mb 5.2 Colombia.
	ipP	02	06	07.0	-						
13.	HEE: e	04	59	16							BCIS: 46.3N 1.7E, H: 04 56 28, France.
	e	04	59	26.5							
14.	DBN: eL	04	43								9.7N 125.4E, H: 03 52 14.2 h 38 km. Mb 5.0 Mindanao, Philippine Islands.
	F	05	02								
14.	HEE: ePKP	06	45	46.5	+						ISC: 17.7S 175.9E, H: 06 26 02.6.h 0 km. Fiji region.
14.	DBN: eL	08	25								1.8N 126.5E, H: 07 28 43.0 h 44 km. Mb 5.4, Ms 4.8 Molucca Passage.
	F	08	47								
14.	DBN: eL	12	18								22.8N 121.1E, H: 11 31 21.2 h 47 km. Mb 4.7 Taiwan region.
	F	12	31								
14.	HEE: e	20	21	29.5							BNS: 51.0N 6.6E, H: 20 21 15 W-Germany.
14.	HEE: eP	21	04	01.5							52.2N 160.0E, H: 20 52 15.7 h N. Mb 4.7 Off east coast of Kamchatka.
15.	HEE: ePKP	02	35	00.0							17.5S 173.3W, H: 02 15 14.2 h N. Mb 4.8 Tonga Islands.
	e	02	35	06.0							
15.	HEE: iP	12	51	45.0	+						20.7S 178.6W, H: 12 33 01.9 h 615 km. Mb 4.5 Fiji Islands region.
16.	DBN: iP	01	31	59.5	+						71.5N 10.4W, H: 01 27 18.7 h 13 km. Mb 6.1, Ms 6.5 Jan Mayen Island region.
	iS	01	35	31							
	eL	01	37.0			20				175	6.5
	F	04.6									
	WIT: iP	01	31	53.9	+						
	i	01	31	55.5	-						
	eL	01	43.8								
	HEE: iP	01	32	13.5	+						
	i	01	32	15.0	-						
	eS	01	36	21							
	eL	01	39.0								

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
APRIL 1975											
16.	DBN: eL F	04	19								No determination of epicenter.
16.	DBN: eL F	05	26								10.5N 85.8W, H: 04 46 21.4 h 69 km. Mb 5.4 Costa Rica.
16.	HEE: ePKP2	14	28	02.0							22.8S 175.3W, H: 14 07 59.5 h 38 km. Mb 5.3, Ms 5.3 Tonga Islands region.
16.	WIT: ePKP HEE: ePKP	15	59	26.5 33.5							20.9S 174.0W, H: 15 39 43.3 h N. Mb 4.9 Tonga Islands.
16.	DBN: iP ePP eS eSS eL F WIT: iP e e HEE: iP	21	45	14 08 00 00.0 08 23.3	+	19	2.6		5.6		48.4N 154.9E, H: 21 33 25.1 h 32 km. Mb 5.8, Ms 5.6 Kuril Islands.
17.	WIT: ePKP HEE: ePKP e	01	35	40.5 46.5 54.0							22.8S 175.2W, H: 01 15 50.6 h N. Mb 5.0, Ms 5.1 Tonga Islands region.
17.	DBN: eL F HEE: eP	02	18.3	02 28 02 12 38.5							45.5N 28.0W, H: 02 07 34.4 h N. Mb 4.7, Ms 4.6 North Atlantic Ridge.
17.	HEE: ePKP	04	25	33.0							15.0S 173.6W, H: 04 05 59.4 h N. Mb 4.9 Tonga Islands.
17.	WIT: ePKP HEE: iP	22	12	45.0 51.0							17.4S 177.1W, H: 21 53 56.0 h 420 km. Mb 4.9 Fiji Islands region.
18.	DBN: eL F	13	23	13 54							12.5S 78.0W, H: 12 34 09.8 h N. Mb 5.3, Ms 4.9 Off coast of Peru.
19.	HEE: ePKP	06	42	52.0							55.4S 124.6W, H: 06 23 02.5 h N. Mb 5.0, Ms 5.5 Easter Island Cordillera.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
19. APRIL 1975	DBN: eL	14	13							14.4N 56.5E, H: 13 45 50.1 h N. Mb 5.3, Ms 5.0 Arabian Sea.	
	F	14	50								
	HEE: eP	13	55	17.5							
19.	HEE: e	18	04	54.0						No determination of epicenter.	
19.	HEE: eP	18	18	52.5						14.5N 56.3E, H: 18 09 27.9 h N. Mb 5.2 Arabian Sea.	
19.	HEE: eP	18	53	25.5						14.5N 56.4E, H: 18 43 59.1 h N. Mb 5.1 Arabian Sea.	
19.	DBN: eL	20	43							14.4N 56.4E, H: 20 15 43.5 h N. Mb 5.4 Arabian Sea.	
	F	21	10								
	WIT: eP	20	25	12.0							
	HEE: eP	20	25	09.5							
20.	DBN: ePP	12	01	25						36.4S 98.8W, H: 11 40 39.9 h N. Mb 6.0, Ms 6.2 Southern Pacific Ocean.	
	iPPP	12	04	12							
	iSP	12	11	36							
	iSPP	12	13	08							
	eSS	12	18.6								
	eSSS	12	22.5								
	eL	12	34		20			14.0	6.6		
	F	14.5									
	WIT: ePKP	11	59	51.5	-						
	HEE: ePKP	11	59	45.0							
	e	11	59	48.5							
ePP	12	01	29.0								
20.	DBN: eP	17	48	17						33.2N 131.3E, H: 17 35 50.4 h 7 km. Mb 5.7, Ms 6.1 Kyushu, Japan.	
	ePP	17	51	33							
	iS	17	58	40							
	eSP	17	59	20							
	ePPS	18	00	00							
	eSS	18	04	02							
	eL	18	15		20			10.0	6.2		
	F	20.2									
WIT: eP	17	48	12.0								
HEE: eP	eP	17	48	19.0							
	ePP	17	51	38.0							
20.	WIT: eP	19	00	09.5	-					51.8N 159.9E, H: 18 48 37.9 h N. Mb 5.0 Off east coast of Kamchatka.	
	e	19	00	15.0	+						
	HEE: eP	19	00	20.0							
	e	19	00	38.0							
20.	HEE: eP	21	32	12.0						14.6N 56.4E, H: 21 22 47.2 h N. Mb 5.0 Arabian Sea.	

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
APRIL 1975	21. DBN: eL	02	45								No determination of epicenter.
	F	02	58								
	21. WIT: eP	03	57	32.5							36.5N 140.6E, H: 03 45 14.9 h 58 km. Mb 5.1 Near east coast of Honshu, Japan.
	21. DBN: eL	04	50								3.2S 147.1E, H: 03 49 17.9 h N. Mb 5.2, Ms 4.9 Bismarck Sea.
	F	05	23								
	21. DBN: eP	06	19	30							45.3N 28.0W, H: 06 14 32.2 h N. Mb 5.0, Ms 5.1 North Atlantic Ridge.
	eS	06	23	42							
	eL	06	25.3								
	F	06	47								
	WIT: eP	06	19	44.0							
	HEE: eP	06	19	38.5							
	21. DBN: eL	09	06.3								ISC: 37.6N 26.2W, H: 08 53 38, h 0 km. Mb 4.4. Azores.
F	09	14									
21. DBN: eS	19	24	06							45.3N 28.0W, H: 19 14 56.3 h N. Mb 4.8 North Atlantic Ridge.	
eL	19	25.8									
F	19	38									
WIT: eP	19	20	06.5								
HEE: eP	19	20	02.0								
21. HEE: iPKP	21	22	59.0	+						ISC: 16.2S 173.8W, H: 21 03 22.4, h 33 km. Mb 4.9. Tonga.	
21. WIT: ePKP2	23	54	42.5							30.3S 177.9W, H: 23 34 19.8 h 44 km. Mb 5.0 Kermadec Islands.	
HEE: ePKP2	23	54	50.5								
21. DBN: eL	23	57								6.2N 126.8E, H: 23 03 30.3 h 108 km. Mb 5.0 Mindanao, Philippine Islands.	
F	24	15									
22. HEE: eP	00	23	32.5	+						10.2N 75.7W, H: 00 11 41.9 h 34 km. Mb 5.1, Ms 4.0 Near north coast of Colombia.	
22. DBN: eL	04	06								14.7N 54.9E, H: 03 38 56.7 h N. Mb 5.0 Arabian Sea.	
F	04	23									

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
APRIL 1975											
22.	HEE: eP	08	27	03.5							14.3N 56.5E, H: 08 17 36.2 h N. Mb 5.2 Arabian Sea.
22.	WIT: eP	20	16	53.5	-						44.7N 148.8E, H: 20 05 03.7 h 77 km. Mb 4.9 Kuril Islands.
22.	WIT: eP HEE: eP	20	29	10.0 31.0	+						74.9N 9.9E, H: 20 24 16.1 h N. Mb 4.5 Greenland Sea.
22.	DBN: eL F WIT: eP HEE: eP	22	07 27 21	54.5 52.0	+						14.5N 56.6E, H: 21 35 26.0 h N. Mb 5.2, Ms 4.7 Arabian Sea.
22.	DBN: eL F	23	57 24								14.4N 56.5E, H: 23 27 13.2 h N. Mb 4.8, Ms 4.7 Arabian Sea.
23.	DBN: eL F	01	18 01								40.5N 26.1E, H: 01 08 08.5 h 20 km. Mb 4.3 Turkey.
23.	DBN: eL F	05	38 05								45.9N 82.3E, H: 05 12 16.0 h N. Mb 4.9 Kazakh-Sinkiang border region.
23.	DBN: iP iZ iPP iS iSP eSS eSSS eL F WIT: eP ePP HEE: iP ePP	11	27 28 30 38 39 43 47 55 14.3	29 16 46 00 08 28 20	+	8	2.8				16.4N 98.9W, H: 11 14 48.0 h 11 km. Mb 6.0, Ms 6.2 Near coast of Guerrero, Mexico.
						19			7.0	6.1	
23.	HEE: ePKP	15	00	56.5							20.8S 173.9W, H: 14 41 08.5 h 40 km. Mb 5.1 Tonga Islands.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
APRIL 1975											
23.	HEE: eP	15	11	46.5	-						14.6N 56.3E, H: 15 02 10.5 h N. Mb 5.2 Arabian Sea.
24.	DBN: eL F	16 17	34 00								No determination of epicenter.
24.	WIT: eP HEE: eP i	23 23 23	02 02 02	35.0 23.0 25.5	- + -						37.6N 22.7E, H: 22 58 18.0 h 78 km. Mb 4.9 Southern Greece.
24.	DBN: eL F	23 24	59 18								35.9N 142.4E, H: 23 13 00.7 h 40 km. Mb 4.8 Off east coast of Honshu, Japan.
25.	DBN: eL F	10 10	22 52								5.9S 81.1W, H: 09 36 05.3 h 22 km. Mb 5.1, Ms 5.0 Near coast of northern Peru.
25.	DBN: eL F	15 15	07 37								51.8N 160.0E, H: 14 23 19.9 h N. Mb 5.0, Ms 5.3 Off east coast of Kamchatka.
25.	WIT: iPKP HEE: iPKP i	21 21 21	30 30 31	52.0 56.0 04.0	- - +						20.8S 178.8W, H: 21 12 13.3 h 605 km. Mb 5.0 Fiji Islands region.
26.	WIT: eP HEE: eP epP	03 03 03	26 26 27	37.0 46.0 11.0	+ 						39.6N 141.1E, H: 03 14 37.8 h 100 km. Mb 5.3 Honshu, Japan.
27.	DBN: e(L) F WIT: iP HEE: iP e	06 06 05 05 05	04.9 07 45 45 46		- + + 						50.0N 79.0E, H: 05 36 57.3 h 0 km. Mb 5.6 Eastern Kazakh SSR.
27.	WIT: eP HEE: iP	07 07	19 19	46.0 54.0							33.4N 140.8E, H: 07 07 13.8 h 61 km. Mb 5.3 South of Honshu, Japan.
27.	HEE: ePKP	08	05	48.5							17.3S 172.7W, H: 07 46 09.3 h N. Mb 4.9 Tonga Islands region.
27.	DBN: eL F	09 09	17 31								56.0S 25.9W, H: 08 21 10.1 h N. Mb 5.1 South Sandwich Islands region.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
APRIL 1975	28. DBN: eL	00	59								32.0N 114.8W, H: 00 17 49.7 h 10 km. Mb 4.8 W. Arizona-Mexico border region.
	F	01	22								
28.	DBN: eL	02	28								33.3N 54.8E, H: 02 01 17.0 h 42 km. Mb 5.3 Iran.
	F	02	50								
	WIT: eP	02	08	44.5	+						
	HEE: eP	02	08	46.0	+						
28.	HEE: eP	02	34	12.5	+						34.7N 28.8E, H: 02 29 07.5 h N. Mb 4.7 Eastern Mediterranean Sea.
28.	DBN: iP	11	16	04	-	6	2.4				35.8N 79.9E, H: 11 06 43.5 h N. Mb 5.8, Ms 6.3 Kashmir-Tibet border region.
	ePP	11	18	12							
	iS	11	23	40							
	eSS	11	27	24							
	eL	11	31.4			19	100		6.9		
	F	13.0									
	WIT: eP	11	15	57.0							
	i	11	16	00.4	+						
	HEE: eP	11	16	02.0							
	i	11	16	06.0	+						
28.	HEE: eP	12	07	56.5							35.9N 80.0E, H: 11 58 34.2 h 31 km. Mb 5.2, Ms 5.9 Kashmir-Tibet border region.
28.	DBN: eL	15	22								9.3N 126.5E, H: 14 27 57.7 h N. Mb 5.1 Mindanao, Philippine Islands.
	F	15	40								
28.	DBN: eL	18	38								9.4N 126.6E, H: 17 44 34.4 h 66 km. Mb 4.9 Mindanao, Philippine Islands.
	F	19	00								
29.	DBN: eL	03	35.0								35.8N 80.0E, H: 03 07 59.6 h N. Mb 5.0 Kashmir-Tibet border region.
	F	03	48								
	HEE: eP	03	17	21.0							
29.	DBN: eL	09	30								13.6N 120.8E, H: 08 41 53.7 h 53 km. Mb 5.2 Mindoro, Philippine Islands.
	F	10	00								
30.	DBN: eP	04	34	08	+						36.2N 30.8E, H: 04 28 57.0 h 56 km. Mb 5.6 Turkey.
	iS	04	38	36							
	eL	04	41.0								
	F	05	00								
	WIT: iP	04	34	05.5	+						
	e	04	34	15.0							
	HEE: iP	04	33	58.5	+						
	i	04	34	08.0	+						
	i	04	34	18.5	-						
	eS	04	38	31							
eL	04	42.0									

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
APRIL 1975	30. DBN: eL	07	47							51.4N 179.7E, H: 07 08 00.1 h 48 km. Mb 5.2, Ms 4.9 Rat Islands, Aleutian Islands.	
	F	08	23								
	HEE: eP	07	19	56.5	+						
30.	DBN: eL	15	41							37.1N 116.0W, H: 15 00 00.0 h 0 km. Mb 5.2 Southern Nevada.	
	F	15	53								
	HEE: eP	15	12	04.5							
30.	DBN: eL	24	07							14.6N 56.6E, H: 23 40 30.7 h N. Mb 5.3, Ms 5.0 Arabian Sea.	
	F	24	38								
	WIT: eP	23	50	02.0							
	HEE: eP	23	49	55.0	+						

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
MAY 1975											
1.	HEE:eP	02	47	07.5							14.6N 56.4E, H:02 37 42.9, h 33 km. Mb 5.1. Arabian Sea.
1.	DBN:eL	04	37								52.8S 140.4E, H:03 20 31.6, h 33 km. Mb 5.5, Ms 5.5. West of Macquarie Island.
	F	05	34								
	HEE:ePKP2	03	40	36.0							
1.	DBN:eL	17	38								26.0N 128.5E, H:16 50 17.5, h 28 km. Mb 5.3. Ryukyu Islands.
	F	17	59								
1.	DBN:eL	21	59								13.6N 120.8E, H:21 09 40.5, h 48 km. Mb 5.1. Mindoro, Philippine Islands.
	F	22	24								
2.	HEE:ePKP	00	02	13.0							ISC: 25.8S 174.4W, H: 23 42 17, h 0 km. Mb 4.7 S. of Tonga.
3.	WIT:ePKP	01	37	05.5							ISC: 17.8S 178.4W, H: 01 18 34.8, h 609 km. Fiji region.
	HEE:ePKP	01	37	11.0							
3.	DBN:eL	07	38								18.7N 146.4E, H:06 44 39.1, h 65 km. Mb 5.3. Mariana Islands.
	F	08.3									
3.	DBN:eL	17	43.5								No determination of epicenter.
	F	17	46								
3.	DBN:eL	18	01.0								No determination of epicenter.
	F	18	04								
3.	DBN:eL	18	15.4								No determination of epicenter.
	F	18	17								
3.	DBN:eL	19	19								26.1N 128.6E, H: 18 29 01.5, h 23 km. Mb 5.2 Ryukyu Is.
	F	19	22								
3.	DBN:eL	19	25.3								No determination of epicenter.
	F	19	28								
4.	DBN:eL	03	14.9								No determination of epicenter.
	F	03	17								
4.	DBN:eL	04	35								No determination of epicenter.
	F	04	42								
4.	DBN:eP	09	44	28							37.1N 142.1E, H:09 31 59.2, h 23 km. Mb 5.8, Ms 5.7.
	ePPS	09	56	20							Off east coast of Honshu, Japan.
	eL	10	13		18	5.3			5.9		
	F	11.3			18				5.7 5.9		
	WIT:iP	09	44	20.5	-						
	ipP	09	44	26.8	+						
	HEE:iP	09	44	31.5	-						
	ipP	09	44	37.5							

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bolt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
MAY 1975											
4.	WIT:iPKP HEE:iPKP	21	38	13.3	-						20.7S 178.3W, H:21 19 30.1, h 560 km. Mb 4.8. Fiji Islands region.
		21	38	18.5	+						
5.	DBN:iP	05	29	19	+						33.1N 92.9E, H:05 18 49.3, h 33 km. Mb 5.8, Ms 6.1. Tsinghai Prov., China.
	eS	05	37	48							
	eSS	05	42	27							
	eL	05	49.0			19	31.0			6.5	
	F	07.5				19				6.6	
	WIT:eP	05	29	11.5							
	i	05	29	12.9	+						
	HEE:eP	05	29	17.5							
5.	DBN:ePKP	20	47	48							23.0S 176.2W, H:20 28 08.3, h 90 km. Mb 5.6. South of Fiji Islands.
	eL	21	48								
	F	22	25								
	WIT:iPKP2	20	47	50.7	-						
	HEE:iPKP2	20	47	55.0	-						
	i	20	48	01.0	+						
6.	DBN:eP	10	31	16							31.0N 141.8E, H:10 18 20.6, h 33 km. Mb 5.7, Ms 5.9, South of Honshu, Japan.
	eS	10	41	59							
	eL	11	03			20				6.4	6.1
	F	12.6									
	WIT:eP	10	31	09.5							
	HEE:eP	10	31	17.0							
8.	WIT:iPKP	20	54	12.0	-						21.9S 170.5E, H:20 34 37.9, h 83 km. Mb 5.3. Loyalty Islands region.
	HEE:iPKP	20	54	16.0	+						
	e	20	54	19.5							
9.	DBN:eL	18	19								30.2N 52.0E, H:18 01 45.6, h 57 km. Mb 4.9. Iran.
	F	18	53								
9.	DBN:iPKP	18	55	00	+						32.7S 179.3W, H:18 35 05.1, h 47 km. Mb 5.5, Ms 5.8. South of Kermadec Islands.
	ipPKP	18	55	14							
	iPKP2	18	55	40							
	iPP	18	59	21							
	iPcPP ¹	19	05	09							
	eL	19	51			20	1.8			5.9	
	F	21	15								
	WIT:ePKP	18	54	58.0							
	e	18	55	12.5							
	HEE:ePKP	18	55	00.5							
	ePKP2	18	55	44.5							
	e	18	56	00.0							
	e	18	56	23.5							

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms						
		h	m	s			Z	NS	EW								
MAY 1975	10. DBN:iPd	14	42	23	+	19	260		7.8	38.2S 73.2W, H:14 27 38.7, h 6 km. Mb 6.5, Ms 7.7. Near coast of central Chile.							
	iPKP	14	46	16													
	iPP	14	47	06													
	iPPP	14	49	20													
	iSKS	14	53	20													
	iPS	14	56	40													
	iSPP	14	57	45													
	eSS	15	02	40													
	eSSS	15	07	10													
	eL	15	14														
	F	20.8															
	WIT:ePKP	14	46	25.0													
	e	14	46	29.0													
	HEE:ePd	14	42	26.5													
e	14	45	53.5														
ePP	14	46	58.5														
11. DBN:iP	07	08	28	+	20			5.0	5.8	49.3N 156.2E, H:06 56 45.1, h 58 km. Mb 5.5. Kuril Islands.							
ePP	07	11	15														
eS	07	18	11														
eL	07	31															
F	09	09															
WIT:eP	07	08	23.0														
i	07	08	25.2														
HEE:eP	07	08	33.0														
i	07	08	35.5														
11. HEE:eP	07	23	34.5														49.3N 156.1E, H:07 11 42.3, h 23 km. Mb 5.0. Kuril Islands.
11. DBN:eL	21	11									+						49.2N 156.2E, H:20 35 15.4, h 40 km. Mb 5.1. Kuril Islands.
F	21	46															
WIT:eP	20	46	55.5														
HEE:eP	20	47	06.0														
12. HEE:eP	08	43	08.5							49.3N 156.3E, H:08 31 18.2, h 43 km. Mb 4.9. Kuril Islands.							
12. DBN:eL	10	54		+						49.2N 156.2E, H:10 11 52.8, h 46 km. Mb 5.4. Kuril Islands.							
F	11	42															
WIT:eP	10	23	32.5														
HEE:iP	10	23	42.5														
12. DBN:eL	19	36.0								62.1N 26.5W, H:19 25 38.2, h 33 km. Mb 4.3. Iceland region.							
F	19	41															
HEE:eP	19	30	20.0														
13. DBN:eL	00	33.3								38.2N 22.6E, H:00 22 51.2, h 36 km. Mb 4.5. Greece.							
F	00	37															
13. DBN:eL	12	59								33.2N 92.7E, H:12 24 27.6, h 33 km. Mb 4.9. Tsinghai Prov., China.							
F	13	10															
13. HEE:ePKP	21	26	28.5							16.8S 171.9W, H:21 06 50.4, h 34 km. Mb 4.9. Samoa Islands region.							

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms	
		h	m	s			Z	NS	EW			
MAY 1975	13. DBN:eP	21	33	01							1.0N 126.1E, H:21 18 41.3, h 36 km. Mb 5.8, Ms 6.3. Molucca Passage.	
	iPP	21	37	43								
	ePPP	21	40	02								
	iSKS	21	43	41								
	iSP	21	47	09								
	iSPP	21	48	05								
	eSS	21	53.0									
	eSSS	21	57.2									
	eL	22	10			20	7.5			6.3		
	F	24.2				22		12.5		6.5		
	WIT:eP	21	33	01								
	e	21	36	17.0								
	HEE:eP	21	33	03.0								
	e	21	33	12.5								
	e	21	36	16.0								
	ePKKP	21	48	43.5								
	14. HEE:ePKP	02	35	48.0								16.9S 177.4W, H:02 16 58.2, h 445 km. Mb 4.5. Fiji Islands region.
	14. DBN:eP	14	11	58								37.2N 116.5W, H:14 00 00.4, h 0 km. Mb 6.0. Southern Nevada.
eL	14	45										
F	15	00										
WIT:iP	14	11	59.4 +									
ePCP	14	12	11.0									
HEE:iP	14	12	05.0 +									
14. DBN:eL	21	40								38.1S 72.6W, H:20 38 38.4, h 39 km. Mb 5.0. Central Chile.		
F	21	53										
14. DBN:eL	22	42								36.1N 70.9E, H:22 23 02.8, h 99 km. Mb 5.5. Hindu Kush region.		
F	23	06										
WIT:eP	22	31	28.0									
epP	22	31	50.5									
ePP	22	33	22.0									
HEE:eP	22	31	33.5									
epP	22	31	55.5									
ePP	22	33	34.5									
15. WIT:iPKP	08	54	18.0 -							17.5S 178.7W, H:08 35 40.5, h 529 km. Mb. 5.1. Fiji Islands region.		
HEE:iPKP	08	54	23.0 -									
15. WIT:iPKP	18	52	22.7 +							18.0S 177.9W, H:18 33 52.6, h 634 km. Mb 5.1. Fiji Islands region.		
HEE:ePKP	18	52	27.0 -									
i	18	52	27.5 +									
16. DBN:eL	01	55								41.3N 136.1E, H:01 14 05.7, h 2 km. Mb 5.7, Ms 5.5. Eastern Sea of Japan.		
F	02	21										
WIT:iP	01	26	00.5 -									
HEE:eP	01	26	09.0									
e	01	26	17.0									

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
MAY 1975											
16.	DBN:iP iS eL F WIT:eP HEE:eP	02 02 02 03 02 02	35 39 41.4 34 35 35	07 27 15.0 09.5	+						43.8N 28.9W, H:02 29 51.1, h 33 km. Mb 4.9. North Atlantic Ridge.
16.	DBN:eL F	04 04	01 20								43.5N 28.9W, H:03 51 04.1, h 33 km. Mb 4.4, Ms 4.4. North Atlantic Ridge.
16.	DBN:eL F WIT:eP e HEE:eP	08 09 08 08 08	35 27 09 09 09	 20.0 35.0 30.5							54.1N 163.1W, H:07 57 47.5, h 9 km. Mb 5.4, Ms 5.1. Unimak Island region.
16.	DBN:eL F WIT:eP HEE:eP	17 17 17 17	36.5 59 32 32	 07.5 02.5							43.6N 28.9W, H:17 26 43.1, h 28 km. Mb 4.8, Ms 4.3. North Atlantic Ridge.
17.	HEE:ePKP	12	32	34.5	+						15.6S 177.9W, H:12 13 43.8, h 401 km. Mb 4.4. Fiji Islands region.
17.	DBN:eS eSS eL F WIT:e HEE:eP e	16 16 16 17 16 16 16	34 37 41 21 28 27 27	28 52 07.5 31.0 46.0							27.5N 57.7E, H:16 19 12.5, h 33 km. Mb 4.9, Ms 4.8. Southern Iran.
17.	DBN:eL F	23 24	54.4 03								43.9N 28.7W, H:23 44 43.3, h 33 km. Mb 4.6. North Atlantic Ridge.
18.	DBN:eL F WIT:epP HEE:eP epP	16 16 15 15 15	14 35 53 53 53	 44.0 26.5 55.0							63.2N 150.3W, H:15 42 59.1, h 106 km. Mb 5.4. Central Alaska.
18.	DBN:eL F	17 18	49 20								45.7S 76.5W, H:16 48 38.3, h 33 km. Mb 5.4, Ms 4.8. Off coast of southern Chile.
18.	WIT:eP HEE:eP	22 22	46 46	04.0 14.0							44.4N 147.8E, H:22 34 17.3, h 100 km. Mb 5.3. Kuril Islands.
19.	DBN:iPKP iZ eSS eL F WIT:ePKP HEE:ePKP i	00 00 00 01 02 00 00 00	13 14 36 11 40 13 13 13	40 04 24 38.0 40.0 43.0	+	4	1.0				21.0S 174.0W, H:23 53 53.8, (May 18) h 43 km. Mb 5.4, Ms 6.0. Tonga Islands.
						19	2.1		6.0		
						19		2.1	6.0		

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
MAY 1975	19. DBN:e	03	34	07							38.4N 22.3E, H:03 26 19.0, h 16 km. Mb 4.8. Greece.
	eL	03	36.0								
	F	03	51								
	HEE:eP	03	30	22.5							
	e	03	30	27.5							
19.	DBN:eP	19	57	15							35.2N 80.8E, H:19 47 44.8, h 26 km. Mb 5.5, Ms 5.1. Kashmir-Tibet border region.
	eS	20	05	00							
	eSS	20	08.9								
	eL	20	15		20		9.6		5.8		
	F	20	57								
	WIT:eP	19	57	07.5	+						
	e	19	57	10.0	-						
	ePcP	19	58	17.0							
	HEE:eP	19	57	13.5	+						
	e	19	57	16.5	-						
	ePcP	19	58	20.0							
19.	WIT:eP	22	53	54.0	+						49.7N 157.4E, H:22 42 17.0, h 57 km. Mb 5.4. Kuril Islands region.
	HEE:eP	22	54	04.0	+						
20.	WIT:iPKP	14	51	04.5	-						25.1S 179.0W, H:14 31 50.4, h 362 km. Mb 5.1. South of Fiji Islands.
	i	14	51	07.9	+						
	e	14	51	15.0	+						
	i	14	53	37.5	+						
	HEE:iPKP	14	51	08.0	-						
	i	14	51	23.0	+						
20.	HEE:ePKP	20	00	07.0							15.1S 173.3W, H:19 40 28.4, h 2 km. Mb 5.2, Ms 4.4. Tonga Islands.
20.	DBN:eL	22	32								9.6S 118.9E, H:21 33 10.1, h 62 km. Mb 5.8. Sumbawa Island region.
	F	22	56								
21.	DBN:eL	03	53								23.9N 94.1E, H:03 16 20.6, h 72 km. Mb 5.3. Burma-India border region.
	F	04	07								
	WIT:epP	03	27	44.5							
	HEE:eP	03	27	32.0	-						
	epP	03	27	49.5							
21.	WIT:eP	07	00	28.0							33.2N 136.6E, H:06 48 39.6, h 392 km. Mb 4.9. Near south coast of southern Honshu.
	HEE:eP	07	00	36.0							
22.	DBN:eL	13	33								12.7N 87.9W, H:12 51 11.9, h 33 km. Mb 5.0, Ms 4.3. Near coast of Nicaragua.
	F	13	45								
22.	DBN:eL	16	01								38.0S 73.9W, H:14 59 53.8, h 33 km. Mb 5.0, Ms 4.9. Near coast of central Chile.
	F	16	25								

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
MAY 1975											
23.	DBN:iP	16	14	49	-						22.7N 122.6E, H:16 01 49.2, h 6 km. Mb 5.9, Ms 6.2. Taiwan region.
	iPP	16	18	08							
	iS	16	25	23							
	eSS	16	31.0								
	eL	16	40			20		70		7.1	
	F	18.7									
	WIT:iP	16	14	35.4	+						
	i	16	14	45.0	-						
	HEE:eP	16	14	41.0							
	i	16	14	44.0	+						
	e	16	18	10.0							
24.	DBN:eL	00	04								13.6N 120.9E, H:23 16 12.1, (May 23) h 41 km. Mb 5.0. Mindoro, Philippine Islands.
	F	00	24								
24.	WIT:eP	01	07	43.5							25.0N 122.8E, H:00 55 22.3, h 133 km. Mb. 4.9. Taiwan region.
	HEE:eP	01	07	49.0							
24.	DBN:eL	03	12								20.9S 173.8W, H:01 53 38.0, h 19 km. Mb 5.1, Ms 5.5. Tonga Islands.
	F	04	07								
	WIT:ePKP	02	13	25.5							
	HEE:ePKP	02	13	25.5							
	e	02	13	56.5							
24.	WIT:ePKP	06	14	03.0							20.8S 173.9W, H:05 54 16.1, h 33 km. Mb 5.1, Ms 5.1. Tonga Islands.
	HEE:ePKP	06	14	06.0							
24.	WIT:iPKP	10	56	36.6	+						18.2S 174.3W, H:10 37 03.2, h 55 km. Mb 5.4, Ms 3.7. Tonga Islands.
	HEE:iPKP	10	56	42.0	+						
24.	WIT:(e	22	51	06.0)							No determination of epicenter.
	e	22	51	24.0	-						
	HEE:e	22	51	17.0							
24.	WIT:ePKP	23	30	17.0							20.4S 178.2W, H:23 11 35.6, h 569 km. Mb 4.7. Fiji Islands region.
	HEE:ePKP	23	30	21.0							
24.	WIT:iPKP	23	59	29.0	-						17.6S 178.7W, H:23 40 54.7, h 560 km. Mb 5.5. Fiji Islands region.
	HEE:ePKP	23	59	31.5							
	i	23	59	34.5	-						
	epPKP	24	01	44.5							
25.	DBN:eP	19	15	42							57.4N 150.1W, H:19 04 34.4, h 33 km. Mb 5.6, Ms 5.4. Gulf of Alaska.
	eS	19	24	46							
	eL	19	37			20		2.7		5.5	
	F	21.1									
	WIT:eP	19	15	36.0							
	i	19	15	45.1							
	e	19	16	06.0							
	HEE:iP	19	15	46.5	+						
	i	19	15	55.0	+						
	e	19	16	16.0							

SEISMOLOGICAL BULLETIN



Date MAY 1975	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
26.	HEE:ePKP e	04	55	50.0							6.8S 155.6E, H:04 36 48.6, h 81 km. Mb 5.6. Solomon Islands.
26.	DBN:iP iZ eL eL' F	09	16	53.0	+	8	75				36.0N 17.6W, H:09 11 51.5, h 33 km. Mb 6.7, Ms 7.9. >8.0 North Atlantic Ocean.
	WIT:iP eL	09	17	06.2	+						
	HEE:iP eL	09	16	50.0	+						
26.	DBN:eL F	18	28.5								40.3N 78.0E, H:18 01 34.5, h 50 km. Mb 5.0. Southern Sinkiang Prov., China.
		18	43								
26.	DBN:iP eS eL F	20	24	38							36.0N 17.6W, H:20 19 35.2, h 33 km. Mb 5.6, Ms 5.3. North Atlantic Ocean.
		20	28	45							
		20	30.5								
	WIT:eP	20	24	48.0	+						
	HEE:iP	20	24	33.0	+						
26.	DBN:eL F	22	10.0								36.2N 17.8W, H:22 01 04.4, h 33 km. Mb 4.7, Ms 4.8. North Atlantic Ocean.
		22	26								
	WIT:i	22	06	25.1	-						
	HEE:eP i	22	06	02.0							
		22	06	15.0	+						
27.	DBN:eL F	01	30								(28.2N 129.4E, H: 00 36 21.3, h 11 km. Mb 5.0, Ryukyu Is.)
		01	35								
27.	DBN:eL F	03	29								36.2N 17.5W, H: 03 16 00.3, h 33 km. Mb 4.1. N.Atl.Ocean.
		03	32								
27.	DBN:eL F	07	28								44.2N 148.4E, H:06 41 19.5, h 45 km. Mb 5.2, Ms 4.4. Kuril Islands.
		07	39								
27.	WIT:ePKP HEE:iPKP	09	31	06.0	+						21.1S 176.0W, H:09 11 35.1, h 142 km. Mb 5.2. Fiji Islands region.
		09	31	10.5	+						
28.	DBN:eL F	04	08								16.4S 172.4W, H:02 55 21.1, h 21 km. Mb 5.2, Ms 5.2. Samoa Islands region.
		05	05								
	HEE:ePKP	03	15	02.0							
28.	DBN:eL F	05	55								No determination of epicenter.
		06	03								
28.	DBN:eL F	14	57			18	3.7		6.0	6.0	37.9S 73.4W, H:13 57 34.5, h 24 km. Mb 5.8, Ms 5.5. Near coast of central Chile.
		16	00			18					

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
MAY 1975	29. HEE:ePg	00	34	15.0							46.1N 5.9E, H:00 32 40.9, h 33 km. France.
	eSn	00	34	49.5							
	iSg	00	35	21.5							
29.	WIT:iPKP	07	00	55.5	-						22.4S 179.5E, H:06 42 12.8, h 616 km. Mb 5.6. South of Fiji Islands.
	i	07	01	02.8	-						
	HEE:ePKP	07	00	52.5							
	i	07	00	59.5	-						
	i	07	01	10.0	+						
29.	e	07	04	40.0							
	DBN:eL	23	08.0								35.7N 17.8W, H:22 58 39.5, h 33 km. Mb 4.8, Ms 4.8. North Atlantic Ocean.
	F	23.8									
	WIT:eP	23	04	02.5							
HEE:eP	23	03	43.0								
30.	DBN:eL	15	01								22.7N 122.8E, H:14 14 37.4, h 10 km. Mb 5.2. Taiwan region.
	F	15	28								
	HEE:eP	14	27	22.0							
30.	DBN:iP	17	56	12		8	2.0				26.6N 97.0E, H:17 45 00.6, h 57 km. Mb 5.6. Burma.
	ePP	17	58	49							
	iS	18	05	24							
	eSS	18	09	56							
	eSSS	18	13	30							
	eL	18	20								
	F	in next shock									
	WIT:eP	17	56	06.5							
	HEE:eP	17	56	12.0	+						
	30.	DBN:eL	19.0								
F		20	36								
WIT:ePKP2		18	06	30.5							
HEE:ePKP		18	06	20.0							
30.	WIT:ePKP	18	09	24.5							50.1S 139.3E, H:17 49 41.5, h 45 km. Mb 5.4. South of Australia.
	HEE:ePKP	18	09	26.0							
31.	DBN:eL	08	38								8.2N 123.0E, H:07 43 04.0, h 74 km. Mb 5.3. Mindanao, Philippine Islands.
	F	08	52								

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JUNE 1975	1. DBN:eL F	02	19								34.5N 116.5W, H:01 38 49.2, h 6 km. Mb 5.1. Southern California.
	2. DBN:eL F HEE:eP	03	31								36.7N 26.6E, H:03 19 07.2, h 25 km. Mb 4.5. Dodecanese Islands.
	2. DBN:eL F HEE:ePKP	20	43								20.8S 173.1E, H:19 32 57.7, h 56 km. Mb 5.3. New Hebrides Islands region.
	3. DBN:eL F	01	16								26.6N 97.0E, H:00 37 40.1, h 27 km. Mb 5.2. Burma.
	3. DBN:eL F WIT:eP HEE:eP	04	02								26.6N 97.0E, H:03 23 37.4, h 32 km. Mb 5.4. Burma.
	3. DBN:eL F	06	17								10.2N 126.5E, H:05 21 06.5, h 33 km. Mb 5.7. Philippine Islands region.
	3. WIT:iP HEE:eP	14	31	59.8							37.3N 116.5W, H:14 20 00.2, h 0 km. Mb 5.9. Southern Nevada.
	3. WIT:iP HEE:eP	14	32	04.5	+						37.1N 116.0W, H:14 40 00.1, h 0 km. Mb 5.7, Ms 3.9. Southern Nevada.
	3. DBN:eSKKS eSSS eL F	18	32	48							10.2N 126.4E, H:18 08 21.5, h 33 km. Mb 5.7, Ms 5.8. Philippine Islands region.
	4. DBN:iP ePP iS eH eL F WIT:eP e HEE:eP e	02	33	59							35.9N 79.8E, H:02 24 32.9, h 33 km. Mb 5.7, Ms 5.8. Kashmir-Tibet border region.
	4. WIT:ePKP HEE:iPKP	04	52	12.0							21.2S 170.2E, H:04 32 30.8, h 40 km. Mb 5.3, Ms 4.9. Loyalty Islands region.

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JUNE 1975											
4.	DBN:eL F	20	23								12.7N 88.5W, H: 19 36 21.5, h 33 km. Mb 4.6 Off coast of Central America.
5.	DBN:eP eS eL F HEE:eP	03	46	07							13.7S 76.1W, H:03 32 44.9, h 58 km. Mb 5.5. Near coast of Peru.
5.	HEE:ePKP	16	12	35.5							ISC: 20.6S 173.9W, H: 15 52 44.3, h 33 km. Mb 4.8 Tonga.
5.	DBN:ipP epPP iS iZ iSPP eL F WIT:eP epP HEE:eP epP	20	43	23	+						16.3S 69.1W, H:20 29 36.4, h 182 km. Mb 5.6. Peru-Bolivia border region.
6.	WIT:ePKP i e HEE:ePKP i i e	01	27	10.5							20.6S 179.2W, H:01 08 40.8, h 655 km. Mb 5.9. Fiji Islands region.
6.	DBN:eL F WIT:e HEE:ePKP e	06	25								4.5S 153.6E, H:05 18 55.4, h 61 km. Mb 5.8. New Ireland region.
6.	WIT:ePKP HEE:iPKP	06	06	17.5							15.7S 177.7W, H:05 47 33.3, h 407 km. Mb 5.3. Fiji Islands region.
6.	DBN:eL F	09	14								10.1S, 167.2E, H: 08 01 03.7, h 57 km. Mb 4.9. Sta.Cruz Is.
6.	DBN:eL F	11	20								35.3N 80.8E, H:10 50 05.7, h 33 km. Mb 4.8. Kashmir-Tibet border region.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JUNE 1975	6.	DBN:eP	16	02	23	+	18	8.5	6.2	23.4N 126.6E, H:15 49 24.9, h 16 km. Mb 5.6, Ms 5.8. Ryukyu Islands region.	
	eS	16	13.0								
	eSS	16	19	00							
	eL	16	32								
	F	17.8									
	WIT:eP	16	02	15.5							
	e	16	02	34.5							
HEE:iP	16	02	23.0	+							
7.	DBN:eP	08	58	20	+				40.6N 124.1W, H:08 46 22.4, h 21 km. Mb 5.4, Ms 5.7. Near coast of northern California.		
	ePP	09	01	15							
	eS	09	08	15							
	eL	09	23								
	F	09	20								
	WIT:eP	08	58	19.5							
8.	DBN:eL	03	54.8		+				49.8N 78.1E, H:03 26 57.5, h 0 km. Mb 5.5. Eastern Kazakh SSR.		
	F	03	56								
	WIT:iP	03	35	01.4							
	e	03	36	40.5							
HEE:iP	03	35	11.0	+							
8.	DBN:eL	05	33		+				29.9S 71.3W, H:04 35 16.9, h 53 km. Mb 5.3. Near coast of central Chile.		
	F	05	46								
8.	HEE:eP	17	27	09.5					34.6N 23.4E, H:17 22 28.5, h 50 km. Mb 4.4. Crete.		
8.	DBN:eL	23	35		+				35.6N 17.8W, H:23 23 37.7, h 33 km. Mb 4.4. North Atlantic Ocean.		
	F	23	46								
9.	DBN:eL	10	09		+				56.6S 25.4W, H:09 09 37.5, h 33 km. Mb 4.9 South Sandwich Islands region.		
	F	10	17								
9.	DBN:eL	18	57		+				38.8N 70.3E. H:18 36 47.6, h 21 km. Mb 5.3. Afghanistan-USSR border region.		
	F	19	15								
9.	DBN:eL	21	00		+				6.1S 147.6E, H:19 52 09.9, h 63 km. Mb 5.4. East Papua New Guinea region.		
	F	21	14								
10.	DBN:eL	04	14		+				22.7N 122.7E, H:03 30 52.6, h 19 km. Mb 5.2. Taiwan region.		
	F	04	42								

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JUNE 1975	10. DBN:eP	06	10	24	-	20			2.9	4.9	40.7N 29.5W, H:06 04 48.3, h 33 km. Mb 5.1, Ms 5.3. Azores Islands region.
	eS	06	15	08							
	eL	06	17.1								
	F	07	07								
	WIT:eP	06	10	36.0							
	HEE:eP	06	10	25.0							
10. DBN:eL	07	41.3									40.3N 29.4W, H:07 28 32.2, h 33 km. Mb 4.6. Azores Islands region.
F	08	01									
HEE:eP	07	34	11.0								
10. DBN:eL	09	04.9									40.5N 29.5W, H:08 52 19.6, h 33 km. Mb 4.6, Ms 5.0. Azores Islands region.
F	09	26									
HEE:e(P)	08	58	05.0								
10. DBN:iPKP	09	18	49	+							17.9S 178.4W, H:09 00 19.1, h 583 km. Mb 5.3. Fiji Islands region.
WIT:ePKP	09	18	51.5	+							
i	09	18	52.4	-							
HEE:ePKP	09	18	55.0	+							
i	09	18	58.5	-							
e	09	21	14.0								
10. DBN:eL	11	33									40.3S 175.8E, H:10 11 20.4, h 52 km. Mb 5.6. North Island, New Zealand.
F	12	04									
10. HEE:eP	12	01	12.0	+							28.2N 95.9E, H:11 50 09.1, h 26 km. Mb 5.1. India-China border region.
10. DBN:iP	13	59	24	+							43.0N 147.7E, H:13 47 14.5, h 15 km. Mb 5.8, Ms 7.0. Kuril Islands.
iZ	13	59	34	+							
iZ	13	59	44	-							
iS	14	09	24								
iSS	14	14	48								
eL	14	21			24				100	7.2	
F	18.7										
WIT:eP	13	59	18.5								
e	13	59	32.5								
i	13	59	46.0	+							
HEE:eP	13	59	28.0	+							
e	13	59	42.5								
10. WIT:eP	14	23	19.5								43.2N 147.8E, H:14 11 17.9, h 33 km. Mb 5.5. Kuril Islands.
HEE:eP	14	23	30.0								
10. WIT:eP	14	30	36.5								42.9N 147.7E, H:14 18 34.9, h 33 km. Mb 5.4. Off coast of Hokkaido, Japan.
HEE:eP	14	30	46.5								
10. WIT:iP	14	49	50.0	-							43.3N 147.9E, H:14 37 49.9, h 41 km. Mb 5.6. Kuril Islands.
HEE:eP	14	50	00.0								
e	14	50	51.0								

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
10. JUNE 1975	WIT:eP	15	01	18.5						43.4N 147.7E, H:14 49 18.0, h 21 km. Mb 5.2. Kuril Islands.	
	HEE:eP	15	01	30.0							
	e	15	01	49.0							
10.	WIT:iP	15	10	57.0	+					43.3N 147.4E. H:14 58 55.8, h 19 km. Mb 5.8. Kuril Islands.	
	i	15	10	59.5	+						
	HEE:eP	15	11	07.0	+						
	i	15	11	09.0							
	e	15	13	44.0							
10.	WIT:iP	15	33	17.6	+					43.3N 147.3E, H:15 21 19.1, h 38 km. Mb 5.7. Kuril Islands.	
	HEE:iP	15	33	28.0	+						
	e	15	33	37.0							
10.	WIT:eP	16	03	09.5						43.3N 147.4E, H:15 51 09.2, h 29 km. Mb 5.3. Kuril Islands.	
	HEE:eP	16	03	19.0							
10.	WIT:eP	16	26	45.0						43.2N 147.4E, H:16 14 45.3, h 33 km. Mb 5.0. Kuril Islands.	
10.	WIT:eP	19	18	19.5						43.1N 147.6E, H:19 06 19.8, h 41 km. Mb 5.0. Kuril Islands.	
10.	DBN:eL	21	27							43.5N 147.7E, H: 20 45 10.0, h 33 km. Mb 4.9. Kuril Is.	
	F	21	53								
10.	DBN:eL	22	56							43.2N 148.1E, H:22 14 14.1, h 18 km. Mb 5.2. Kuril Islands region.	
	F	23.7									
11.	DBN:eL	06	09							43.1N 147.6E, H: 05 21 15.6, h 33 km. Mb 5.1. Kuril Is.	
	F	06	23								
11.	DBN:eL	11	00							35.6N 17.8W, H:10 49 34.1, h 33 km. Mb 4.7. North Atlantic Ocean.	
	F	11	13								
11.	DBN:eL	15	07							43.5N 147.8E, H: 14 20 09.6, h 15 km. Mb 5.1. Kuril Is.	
	F	15	32								
11.	DBN:eL	19	19							29.4N 142.1E, H:18 31 46.8, h 16 km. Mb 5.3. South of Honshu, Japan.	
	F	19	49								
12.	WIT:eP	00	26	16.5	+					46.7N 152.6E, H:00 14 30.2, h 60 km. Mb 5.3. Kuril Islands.	
	HEE:eP	00	26	27.0	+						
	e	00	26	31.0							
12.	DBN:eL	01	49							43.4N 148.0E, H: 01 07 51.2, h 27 km. Mb 4.9. Kuril Is.	
	F	03	01								

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
12. JUNE 1975	DBN:eL	05	16							43.3N 147.8E. H:04 34 03.0, h 27 km. Mb 5.2. Kuril Islands.	
	F	05	56								
	WIT:eP	04	46	06.5	+						
12.	DBN:eP	23	33	08						43.1N 147.7E, H:23 21 04.3, h 33 km. Mb 5.1. Kuril Islands.	
	eL	24	01								
	F	01.4									
	WIT:eP	23	33	05.5							
	e	23	33	16.5							
	HEE:eP	23	33	15.0							
13.	DBN:eP	06	22	08						12.3N 125.4E, H:06 08 35.4, h 36 km. Mb 5.6, Ms 5.8. Samar, Philippine Islands.	
	iPP	06	26	12							
	eSKS	06	32	55							
	eS	06	33	40							
	eSP	06	35	00							
	eL	06	58			18		7.1	6.2		
	F	08.9									
	WIT:eP	06	22	03.0							
	HEE:eP	06	22	09.5							
	13.	HEE:eP	10	20	53.0						
13.		DBN:eL	13	48							43.2N 147.2E, H:12 57 06.2, h 42 km. Mb 5.0. Kuril Islands.
		F	14.5								
	WIT:eP	13	09	05.5	-						
	e	13	09	16.0							
13.	HEE:eP	13	09	15.5						43.5N 147.7E, H:18 08 11.7, h 19 km. Mb 6.1, Ms 6.4. Kuril Islands.	
	e	13	09	26.5							
	DBN:iP	18	20	18	+	8	9.0				
	iPP	18	23	17							
	iS	18	30	19							
	eSS	18	35.5								
	eL	18	44			22		36.5	6.8		
	F	22.9									
	WIT:iP	18	20	13.0	+						
	i	18	20	16.4	+						
13.	HEE:iP	18	20	23.0	+					No determination of epicenter.	
	WIT:e	18	30	23.5							
	e	18	30	37.5							
13.	HEE:e	18	30	28.0						43.5N 147.7E, H:19 40 24.6, h 17 km. Mb 5.2. Kuril Islands.	
	WIT:eP	19	52	28.5							
	e	19	52	38.5							
	HEE:gP	19	52	38.0							
13.	HEE:gP	19	52	47.0						43.5N 147.8E, H:19 52 36.0, h 29 km. Mb 5.2. Kuril Islands.	
	WIT:eP	20	04	36.0							
	HEE:eP	20	04	46.0							

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JUNE 1975	13. WIT:eP	20	30	26.5							43.3N 147.7E, H:20 18 22.9, h 22 km. Mb 5.0. Kuril Islands.
	HEE:eP	20	30	35.0							
13.	WIT:eP	20	32	56.0							43.4N 147.6E, H:20 20 57.7, h 39 km. Mb. 5.1. Kuril Islands.
	HEE:eP	20	33	06.5							
14.	DBN:eL	00	41								43.7N 147.8E, H:00 00 05.4, h 21 km. Mb 5.0. Kuril Islands.
	F	01	19								
	WIT:eP	00	12	06.0							
	e	00	12	17.5							
	HEE:eP	00	12	15.5							
	e	00	12	24.0							
14.	DBN:eL	02	29								43.3N 147.9E, H:01 47 49.3, h 21 km. Mb 5.2. Kuril Islands.
	F	in next shock									
	WIT:eP	01	59	51.5	+						
	HEE:eP	02	00	01.5							
14.	WIT:eP	02	08	32.5							43.4N 147.7E, H:01 56 30.0, h 15 km. Mb 5.0. Kuril Islands.
	HEE:eP	02	08	42.5							
14.	WIT:eP	02	26	34.5							42.7N 148.0E, H:02 14 26.4, h 9 km. Mb 5.1. Off coast of Hokkaido, Japan.
	HEE:eP	02	26	44.0							
14.	DBN:eL	03	05								23.1N 108.0W, H:02 25 59.0, h 33 km. Mb 5.2. Gulf of California.
	F	in next shock									
14.	DBN:eP	03	11	25	-						43.4N 147.7E, H:02 59 20.7, h 34 km. Mb 5.3. Kuril Islands.
	eL	03	41								
	F	in next shock									
	WIT:eP	03	11	20.0	-						
	HEE:eP	03	11	29.5	-						
14.	WIT:eP	03	13	23.0							43.8N 147.9E, H:03 01 24.9, h 33 km. Mb 5.2. Kuril Islands.
	HEE:eP	03	13	32.5							
14.	WIT:eP	04	19	11.5							43.5N 147.9E, H:04 07 10.5, h 26 km. Mb 4.9. Kuril Islands.
	HEE:eP	04	19	23.0							
14.	WIT:e	04	25	01.5							20.7S 174.0W, H:04 05 16.8, h 33 km. Mb 5.1. Tonga Islands.
	HEE:i	04	25	06.0	+						
14.	WIT:iPKP2	04	32	51.5							30.2S 178.0W, H:04 12 28.9, h 46 km. Mb 5.6. Kermadec Islands.
	HEE:iPKP2	04	32	59.0							

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
14. JUNE 1975	DBN:eL	05	14							43.4N 147.6E, H:04 35 40.8, h 17 km. Mb 5.3. Kuril Islands.	
	F	in next shock									
	WIT:eP	04	47	42.5							
	HEE:eP	04	47	53.0	+						
14.	WIT:eP	05	15	02.0						43.4N 147.8E, H:05 02 58.7, h 11 km. Mb 5.1. Kuril Islands.	
	HEE:eP	05	15	11.5							
14.	DBN:eL	09	22							43.4N 147.5E, H:08 43 11.8, h 11 km. Mb 5.1, Ms 4.9. Kuril Islands.	
	F	10	23								
	WIT:eP	08	55	13.0							
14.	WIT:eP	09	14	16.0						43.3N 147.6E, H:09 02 14.6, h 17 km. Mb 5.1. Kuril Islands.	
	HEE:eP	09	14	26.0	+						
14.	DBN:eL	11	26							43.3N 147.6E, H:10 45 01.4, h 32 km. Mb 5.0. Kuril Islands.	
	F	11	53								
	HEE:eP	10	57	11.0							
14.	DBN:eL	17	52							43.4N 147.5E, H:17 11 16.2, h 34 km. Mb 5.4. Kuril Islands.	
	F	in next shock									
	WIT:eP	17	23	15.5							
	HEE:eP	17	23	26.0	+						
	e	17	23	35.5							
14.	DBN:eP	17	49	20						43.0N 147.6E, H:17 37 11.3, h 33 km. Mb 5.2. Kuril Islands.	
	WIT:eP	17	49	14.0							
	e	17	49	24.0							
	HEE:eP	17	49	22.5							
	i	17	49	36.0							
14.	DBN:iP	18	50	05	+	8	2.7			43.6N 147.9E, H:18 38 01.1, h 31 km. Mb 5.7, Ms 6.0. Kuril Islands.	
	iPP	18	53	04							
	iS	19	00	05							
	eL	19	14			20	14.2		6.3		
	F	22.5									
	WIT:eP	18	50	00.5	+						
	i	18	50	02.4	+						
	e	18	50	11.5							
	HEE:iP	18	50	10.5	+						
	i	18	50	12.5							
	e(S)	19	00	28							
14.	WIT:eP	19	01	39.0						43.6N 148.0E, H:18 49 40.2, h 38 km. Mb 5.3. Kuril Islands region.	
	HEE:eP	19	01	48.5	+						
	e	19	02	02.0	+						
14.	WIT:eP	19	04	06.5						ISC: 43.6N 148.1E, H: 18 52 33, h 266 km. Mb 4.9. Kuril Islands region.	
	e	19	04	18.5							
	HEE:eP	19	04	15							

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JUNE 1975	14. WIT:eP	19	06	38.0							40.2N 142.5E, H:18 54 33.3, h 49 km. Mb 5.2. Near east coast of Honshu, Japan.
	HEE:eP	19	06	48.0							
14.	WIT:eP	19	26	03.0							43.5N 147.8E, H:19 14 02.5, h 25 km. Mb 5.2. Kuril Islands.
	e	19	26	15.0							
	HEE:iP	19	26	13.0	+						
	e	19	26	25.0							
14.	HEE:eP	20	43	44.0							43.4N 147.9E, H:20 31 33.6, h 25 km. Mb 5.0. Kuril Islands.
14.	WIT:eP	20	47	23.0							43.5N 148.0E, H:20 35 20.4, h 13 km. Mb 5.1. Kuril Islands region.
	e	20	47	34.0							
	HEE:eP	20	47	32.5							
	e	20	47	43.5							
14.	HEE:eP	20	59	49.0							71.9N 132.9W, H:20 50 25.7, h 33 km. Mb 5.3. Beaufort Sea.
	e	21	00	02.5							
14.	DBN:eL	22	44								59.2S 27.0W, H:21 45 55.0, h 33 km. Mb 5.6. South Sandwich Is. region.
	F	22	58								
14.	DBN:iP	23	49	02	-						36.3N 143.4E, H:23 36 27.7, h 19 km. Mb 6.1, Ms 5.9. Off east coast of Honshu, Japan.
	ePP	23	52	18							
	eS	23	59	29							
	eSP	24	00	12							
	eSS	24	05	00							
	eL	24	15			20			12.5	6.3	
	F	in next shock									
	WIT:eP	23	48	57.0	-						
	HEE:iP	23	49	05.0	-						
	15.	DBN:iP	00	31	39	+	6	6.2			
iS		00	41	37							
eL		00	55			20		25.0		6.5	
F		04.3									
WIT:eP		00	31	31.0	+						
i		00	31	33.5	+						
HEE:eP		00	31	41.0	+						
i	00	31	43.0	+							
15.	WIT:eP	00	34	36.0							44.0N 147.0E, H:00 22 40.6, h 33 km. Mb 5.7. Kuril Islands.
	HEE:eP	00	34	45.5							
15.	WIT:eP	02	21	16.5	-						42.6N 148.1E, H:02 09 08.7, h 10 km. Mb 5.6. Off coast of Hokkaido, Japan.
	HEE:eP	02	21	26.0	-						

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JUNE 1975	15. DBN:eL F	05	30								11.9N 141.4E, H:04 42 50.2, h 61 km. Mb 5.5. West Caroline Islands.
	HEE:ePP	05	01	28.0							
	15. WIT:eP HEE:eP	06	14	29.0							43.6N 147.8E, H:06 02 29.0, h 29 km. Mb 4.9. Kuril Islands.
		06	14	38.0							
	15. HEE:e	06	43	41.0	+						18.7S 169.1E, H:06 24 29.9, h 231 km. Mb 4.8. New Hebrides Islands.
	15. HEE:eP	07	27	51.0							43.6N 147.9E, H:07 15 38.1, h 12 km. Mb 5.1. Kuril Islands.
	15. DBN:eL F	09	21								43.7N 148.0E, H: 28 47 12.6, h 25 km. Mb 5.0. Kuril Is.
		09	58								
	15. HEE:eP	10	09	18							43.0N 148.1E, H:09 57 04.4, h 33 km. Mb 4.9. Kuril Islands region.
	15. DBN:eL F	11	28								44.0N 147.9E, H:10 46 40.1, h 22 km. Mb 4.9. Kuril Islands.
	12	06									
WIT:eP	10	58	40.0								
e	10	58	51.0								
HEE:eP	10	58	49.0								
15. DBN:eL F	23	56								43.9N 148.1E, H:23 08 48.9, h 35 km. Mb 5.0. Kuril Islands region.	
	24	40									
WIT:eP	23	20	46.5								
HEE:eP	23	20	56.0								
15. WIT:eP i	23	42	46.5							43.7N 148.2E, H:23 30 45.3, h 15 km. Mb 5.2. Kuril Islands.	
	23	42	59.0								
HEE:eP	23	42	56.0								
16. HEE:iPKP e e	00	49	31.0	+						16.5S 174.4W, H:00 30 10.3, h 161 km. Mb 5.4. Tonga Islands.	
	00	49	39.0								
	00	50	18.0								

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JUNE 1975	16. DBN:iPP	22	55	50							3.0S 147.8E, H:22 35 23.2, h 33 km. Mb 6.1, Ms 6.5. Bismarck Sea.
	ePKS	22	57	40							
	iPPP	22	58	24							
	eSKKS	23	02	44							
	eSP	23	05	34							
	iSPP	23	07	05							
	eSS	23	12	34							
	eL F	23 31 02.0				21		12.9		6.6	
17. DBN:eL	10	23								56.8S 25.4W, H:09 26 06.8, h 33 km. Mb 5.5, Ms 5.3. South Sandwich Is. region.	
F	10	52									
18. HEE:e	01	23	19.5							No determination of epicenter.	
18. WIT:eP	04	24	01.0	+						13.9N 120.6E, H:04 11 02.3, h 134 km. Mb 5.4. Mindoro, Philippine Islands.	
	HEE:iP	04	24	06.5	+						
18. DBN:eP	05	56	14	+	18					40.9N 143.0E, H:05 44 05.9, h 50 km. Mb 5.2, Ms 5.0. Off east coast of Honshu, Japan.	
	eL	06	24								
	F	07	17								
	WIT:eP	05	56	08.5							
	HEE:eP	05	56	18.0		+					
18. WIT:eP	09	29	36.5							31.3N 140.9E, H:09 16 54.3, h 53 km. Mb 5.4. South of Honshu, Japan.	
	HEE:eP	09	29	44.5							
18. WIT:iPKP	12	31	38.7	+						17.5S 178.3W, H:12 13 04.4, h 562 km. Mb 5.2. Fiji Islands region.	
	HEE:iPKP	12	31	44.0	+						
18. DBN:eL	13	32								No determination of epicenter.	
	F	14	05								
18. HEE:eP	14	12	03.0							35.1N 17.5W, H:14 06 59.5, h 38 km. Mb 4.5. North Atlantic Ocean.	
18. DBN:eL	14	18								42.8N 147.6E, H:13 35 03.1, h 47 km. Mb 5.0, Ms 4.5. Off coast of Hokkaido, Japan.	
	F	14	41								

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JUNE 1975	18. DBN:iPKP	16	51	32	+	5	0.7			13.7S 167.2E. H:16 32 29.1, h 201 km. Mb 5.5. New Hebrides Islands.	
	iPP	16	54	24							
	eL	17	44								
	F	18	05								
	WIT:ePKP	16	51	32.0							
	i	16	51	34.5							
	e	16	54	48.5							
	HEE:iPKP	16	51	28.0							
	i	16	51	35.5							
	ePP	16	54	34.0							
	e	16	54	54.0							
	19.	DBN:eL	10	18.0							
F	10	36									
WIT:e	10	14	45.0								
eL	10	18.9									
HEE:eP	10	14	06.5								
19.	DBN:eL	10	39.5							ISC: 58.3N 32.5W, H: 10 28 37.1, h 0 km. Mb 4.4 North Atlantic Ocean.	
F	10	54									
19.	DBN:eP	13	11	57						37.4N 116.3W, H:13 00 00.1, h 0 km. Mb 6.1. Southern Nevada.	
eL	13	42									
F	14	09									
WIT:iP	13	11	58.0	+							
HEE:iP	13	12	04.0	+							
i	13	12	14.5	+							
20.	WIT:ePKP	00	38	54.5						20.6S 177.8W, H:00 19 48.2, h 310 km. Mb 4.7. Fiji Islands region.	
HEE:ePKP	00	38	59.5								
20.	DBN:eL	08	29							12.4N 144.4E, H:07 34 06.2, h 35 km. Mb 5.4, Ms 4.8. South of Mariana Islands.	
F	09	18									
20.	WIT:eP	15	58	48.0	+					ISC: 31.4N 41.0W, H: 15 51 12, h 33 km. Mb. 4.5. North Atlantic Ridge.	
20.	WIT:eP	21	28	07.0	+					31.8N 40.9W, H: 21 20 32.2, h 33 km. Mb 4.7. North Atlantic Ridge.	
21.	DBN:eL	02	18							23.3S 115.1W, H: 01 12 13.5, h 21 km. Mb 4.8, Easter Island Cordillera.	
F	02	49									
21.	WIT:e	16	50	53						50.8N 6.0E, H: 16 49 51.3, h 28 km. Germany-Netherlands border region.	
HEE:ePg	16	49	56.0								
iSg	16	49	58.5								

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JUNE 1975	22. DBN:iP	02	36	56		5	2.2				30.1N 142.1E, H:02 23 58.7, h 33 km. Mb 5.8, Ms 5.9. South of Honshu, Japan.
	ePP	02	40	26							
	iS	02	47	33							
	iSP	02	48	54							
	eL	03	07			22			9.6	6.2	
	F	05.8									
	WIT:iP	02	36	51.6	+						
HEE:eP	02	37	00.5								
ePP	02	40	30								
22.	WIT:iP	04	36	31.5	+						52.0N 157.6E, H:04 25 15.3, h 133 km. Mb 5.3. Kamchatka.
HEE:iP	04	36	42.0	+							
22.	DBN:iP	22	56	19	+						43.2N 147.2E, H:22 44 10.2, h 21 km. Mb 5.7, Ms 6.1. Kuril Islands.
eS	23	06	24					19.0	6.4		
eL	23	20			19						
F	02.7										
WIT:eP	22	56	12.0	+							
HEE:eP	22	56	22.0	+							
22.	WIT:eP	23	12	55.0							43.0N 147.3E, H:23 00 53.0, h 33 km. Mb 5.3. Kuril Islands.
e	23	13	04.5	-							
HEE:e	23	13	14.5								
23.	DBN:iP	09	25	48							43.0N 147.3E, H:09 13 41.5, h 36 km. Mb 5.4, Ms 5.5. Kuril Islands.
eS	09	35	48								
eL	09	52									
F	11.2										
WIT:eP	09	25	43.0								
e	09	25	46.0								
HEE:eP	09	25	52.0								
23.	WIT:iPKP	09	44	35.7							17.3S 179.0W, H:09 26 01.4, h 563 km. Mb 5.4. Fiji Islands region.
HEE:iPKP	09	44	41.5								
23.	DBN:iPn	13	18	27	-	4	2.6				50.6N 9.9E, H:13 17 38.4, h 33 km. Mb 5.3, Ms 4.0. Germany.
i(P [#])	13	18	35								
iSn	13	19	10								
iS [#]	13	19	19								
iSg	13	19	30								
eL	13	19.9									
F	13	41									
WIT:ePn	13	18	23.5	+							
i	13	18	23.8	+							
HEE:iPn	13	18	17.4	-							
i	13	18	24.5	-							
23.	HEE:iPKP	15	30	41.0							16.5S 173.8W, H:15 11 09.8, h 79 km. Mb 5.1. Tonga Islands.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
24.	WIT:iPKP	21	35	04.6	+					20.6S 174.2W, H:21 15 19.0, h 23 km. Mb 5.4, Ms 4.9. Tonga Islands.	
	HEE:iPKP	21	35	09.0	+						
	e	21	35	18.0							
24.	DBN:eL	22	41							No determination of epicenter.	
	F	22	57								
24.	DBN:iP	23	41	28						22.9N 123.0E, H:23 28 39.2, h 13 km. Mb 5.5. South-east of Taiwan.	
	eL	24	14								
	F	24	50								
	WIT:iP	23	41	24.3	+						
	HEE:eP	23	41	30.5							
25.	HEE:eP	06	17	38.0	+					16.2N 94.4W, H: 06 05 13.0, h 66 km. Mb 4.8. Near coast of Oaxaca, Mexico.	
	e	06	17	48.0							
25.	DBN:eZ	19	34	03						19.1N 107.1W, H:19 20 44.3, h 33 km. Mb 4.9, Ms 5.6. Off coast of Jalisco, Mexico.	
	eS	19	44	20							
	eSS	19	50.0								
	eL	19	57			19		2.8	5.7		
	F	22.0									
	HEE:e	19	33	56.0							
26.	DBN:eL	08	44							52.4N 168.7W, H:07 59 27.2, h 37 km. Mb 5.1, Ms 4.5. Fox Islands, Aleutian Islands.	
	F	09.5									
	HEE:eP	08	11	18.0							
26.	WIT:eP	10	04	17.0						31.9N 138.1E, H:09 52 19.9, h 389 km. Mb 5.4. South of Honshu, Japan.	
	HEE:eP	10	04	24.5							
	epP	10	06	00.0							
26.	DBN:eL	11	11							43.3N 148.0E, H:10 31 06.7, h 10 km. Mb 5.3. Kuril Islands region.	
	F	12	12								
	WIT:iP	10	43	12.7	+						
	i	10	43	19.9	+						
	HEE:eP	10	43	21.5							
26.	DBN:iP	12	41	58	+					37.4N 116.3W, H:13 00 00.1, h 0 km. Mb 6.1. Southern Nevada.	
	eL	13	12								
	F	13	48								
	WIT:iP	12	41	58.8	+						
	HEE:iP	12	42	04.5	+						
	i	12	42	16.5							
26.	DBN:eL	13	50							42.8N 148.2E, H:13 07 02.5, h 50 km. Mb 5.4. Off coast of Hokkaido, Japan.	
	F	14	25								
	WIT:eP	13	19	04.0							
	HEE:eP	13	19	14.0	+						

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JUNE 1975											
26.	DBN:eL F WIT:e HEE:e	16 16 15 15	08 33 38 38	 24.0 30.5							23.9N 121.7E, H:15 25 31.5, h 50 km. Mb 5.1, Ms 4.6. Taiwan.
28.	DBN:eL F	03 03	33 59								43.2N 148.0E, H:02 50 51.0, h 43 km. Mb 5.0, Ms 4.1. Kuril Islands region.
28.	HEE:ePKP2	04	37	45.0							26.8S 178.1W, H:04 17 48.2, h 205 km. Mb 4.8. South of Fiji Islands.

	HEE:										No seismic records from the station HEE for the period June 28-July 21.

29.	WIT:ePKP	00	49	20.5							13.3S 167.1E, H:00 30 15.8, h 190 km. Mb 5.3. New Hebrides Islands.
29.	DBN:iP ipP iPP ipPP iS iSS eSSS eL F WIT:iP ipP eS	10 10 10 10 10 11 11 11 13.7 10 10 10	48 50 51 53 57 02.6 06.2 13 48 50 57	41 38 31 28 47 28.0 34.8 34.9 28.0	- - - +	8	20				38.8N 130.0E, H:10 37 41.4, h 560 km. Mb 6.2. Sea of Japan.
29.	WIT:e	17	07	47.5							No determination of epicenter.
30.	WIT:iPKP i	10 10	52 52	49.7 56.6							23.5S 177.3W, H:10 33 22.3, h 220 km. Mb 4.9. South of Fiji Islands.
30.	DBN:iP iS eL F WIT:iP	13 13 13 14 13	31 34 35.9 26 31	05 35 09.4	-	7	3.0				38.5N 21.6E, H:13 26 55.8, h 11 km. Mb 5.1, Ms 5.4. Greece.
30.	DBN:eL F	18 18	50.3 58						17.0	5.4	38.4N 21.6E, H:18 40 30.0, h 27 km. Mb 4.6. Greece.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JUNE 1975	30.	DBN:iP	19	05	25	+	20	5.7	5.8	44.7N 110.6W, H:18 54 13.4, h 7 km. Mb 5.6, Ms 5.9. Yellowstone National Park, Wyo, U.S.A.	
	eS	19	14	32							
	eL	19	25								
	F	21.0									
	WIT:eP	19	05	26.0							
30.	DBN:iP	23	11	07	+				18.3N 102.8W, H:22 58 24.0, h 27 km. Mb 5.1, Ms 5.0. Michoacan, Mexico.		
	eS	23	21	50							
	eSS	23	28.0								
	eSSS	23	31.5								
	eL	23	39								
	F	24	34								

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms	
		h	m	s			Z	NS	EW			
JULY 1975	2. DBN: eL F	01	13.5								38.6N 21.8E, H:01 03 42.1, h 17 km. Mb 4.3. Greece.	
	2. DBN: eL F	01	40.0								38.5N 21.5E, H:01 30 29.3, h 37 km. Mb 4.1. Greece.	
	2. DBN: eL F	04	59								No determination of epicenter.	
	3. WIT: ePKP	01	52	48.5							17.2S 177.2W, H:01 34 01.8, h 423 km. Mb 4.6. Fiji Islands region.	
	4. DBN: ePKP eL F	11	45	14	+						21.3S 174.1W, H:11 25 24.5, h 15 km. Mb 5.7, Ms 5.4. Tonga Islands.	
	WIT: ePKP i i	11	45	14.0	+							
		11	45	16.7	+							
		11	45	29.1	+							
	5. WIT: ePKP	21	06	18.0								20.2S 177.8W, H:20 47 34.2, h 547 km. Mb 4.5. Fili Islands region.
	7. DBN: eL F	13	09									23.9N 142.9E, H:12 15 53.9, h 33 km. Mb 5.6, Ms 5.1. Volcano Islands region.
7. DBN: eL F	20	14									25.9N 141.0E, H:19 28 42.1, h 119 km. Mb 5.9. Volcano Islands region.	
WIT: eP	19	41	39.5									
8. DBN: iP iS iSP iPP eSS eL F	09	49	54	+	6	2.1					29.5N 113.3W, H:09 37 273, h 33 km. Mb 5.8, Ms 6.5. Gulf of California.	
	10	00	12									
	10	01	06									
	10	01	26									
	10	05.5										
	10	12			21	55.0			6.9			
	F	in next shock										
WIT: eP	09	49	55.0									
8. DBN: iP ipP iPP iS eSS eL F	12	15	59	+	6	7.4					21.5N 94.7E, H:12 04 42.4, h 157 km. Mb 6.5. Burma.	
	12	16	34									
	12	18	44									
	12	25	16									
	12	29.7										
	12	38										
	F	15.2										
WIT: iP i i	12	15	51.9	+								
	12	15	53.0	+								
	12	16	22.0									

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JULY 1975											
8.	DBN:eL F	15	23								35.5N 87.7E, H:14.51 31.9, h 33 km. Mb 4.8. Tibet.
8.	DBN:eL F	18	58								13.4N 120.1E, H:18 07 37.5, h 43 km. Mb 4.9. Mindoro, Philippine Islands.
8.	DBN:iP ePP eS eSP eL F	22	59	02	-						32.8N 142.2E, H:22 46 19.6, h 51 km. Mb 5.8. South of Honshu, Japan.
						20		8.8		6.2	
	WIT: iP i	22	58	58.5	-						
		22	59	05.0	-						
9.	DBN: eP ipP eL F	11	46	48	+						43.5N 147.3E, H:11 34 45.7, h 36 km. Mb 5.1. Kuril Islands.
	WIT: eP	11	46	47.0	+						
9.	DBN: eL F	13	41								28.2N 130.0E, H:12 55 23.0, h 33 km. Mb 5.3. Ryukyu Islands.
	WIT: iP	13	08	00.0							
9.	DBN: eL F	14	38								24.1N 103.4E, H:13 55 44.6, h 33 km. Mb 4.9. Yunnan Province, China.
10.	DBN: eL F	11	34								1.3S 14.1W, H:11 04 33.1, h 33 km. Mb. 4.8. North of Ascension Island.
10.	DBN: eL F	17	06								11.6S 166.2E, H:15 52 24.6, h 45 km. Mb 5.1. Santa Cruz Islands.
10.	DBN: iP ipP iPP ePPP iSKS iSS iSSS eL F	18	43	09	+						6.5N 126.6E, H:18 29 16.0, h 86 km. Mb 6.2. Mindannao, Philippine Islands.
	WIT: eP i i	18	43	05.5							
		18	43	10.5							
		18	43	26.0							

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JULY 1975											
11.	WIT: ip	05	34	33.3							53.4N 158.7E, H:05 23 22.3, h 118 km. Mb 4.7. Near east coast of Kamchatka.
11.	DBN: el F	05 57 06 20									24.1N 122.4E, H:05 10 19.3, h 48 km. Mb 5.1. Taiwan region.
11.	DBN: el F	07 27.0 07 40									36.3N 5.2E, H:07 18 46.6, h 33 km. Mb 4.3. Algeria.
11.	DBN: el F	07 59 10 05									4.6S 105.0W, H:07 08 39.4, h 33 km. Mb 5.4, Mb 5.8. Northern Easter Island Cordillera.
11.	DBN: iPP ipPP iSKP iZ eL F WIT: ePKP ePP	19 16 04 19 16 27 19 17 00 19 27 56 19 53 21.5 19 13 36 19 16 03.0									10.3S 161.2E, H:18 54 27.1, h 79 km. Mb 5.9. Solomon Islands.
12.	WIT: eP	07 00	45.5	(+)							17.2S 69.4W, H:06 47 37.5, h 156 km. Mb. 5.5. Peru-Bolivia border region.
12.	DBN: ePP eL F WIT: ePKP ePP	17 31 03 18 33 19 10 17 27 37.5 17 31 03.0		+							14.7S, 167.2E, H:17 08 23.2, h 125 km. Mb 5.7. New Hebrides Islands.
12.	DBN: iPKP eL F WIT: e	19 24 34 20 25 21 28 19 24 46.5		+							29.1S 177.5S, H:19 04 45.2, h 63 km. Mb 5.6. Kermadec Islands.
13.	WIT: ePKP	00 09	21.0								17.8S 178.5W, H:23 50 44.7, h 553 km. Mb 3.9. Fiji Islands region.
13.	WIT: iP	04 41	58.6	-							29.8N 128.5E H:04 29 47.7, h 169 km. Mb 4.7. East China Sea.
13.	DBN: eL F	04 55 04 58									23.4N 44.9W, H:04 30 36.2, h 33 km. Mb 4.4. North Atlantic Ridge.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JULY 1975											
13.	DBN: eL F	05 36 05 40									23.3N 45.0W, H:05 12 52.9, h 33 km. Mb 4.6. North Atlantic Ridge.
13.	DBN: eL F	13 50 14 15									6.2N 127.2E, H:12 54 38.8, h 63 km. Mb 5.0. Philippine Islands region.
14.	DBN: eL F	15 44 16.4									1.6S 138.1E, H:14 41 39.8, h 33 km. Mb 5.6, Ms 5.5. Near N. coast of West Irian.
14.	DBN: iPP eL F	23 47 12 00 22 02.5		+	20			3.5	6.0		40.4S 78.4E, H:23 27 55.0, h 33 km. Mb 5.6, Ms 6.5. Mid-Indian Rise.
15.	DBN: eL F WIT: eP	16 40 16.9 16 06 31.0									7.8N 82.8W, H:15 53 55.0, h 33 km. Mb 4.8, Ms 5.0. South of Panama.
15.	DBN: eL F WIT: eP e	22 13 22 25 22 04 36.0 22 04 41.0									40.9N 36.1E, H:21 59 25.0, h 8 km. Mb 4.6. Turkey.
16.	DBN: iPKP ₂ iZ iPP eSS eL F	18 38 11 18 38 48 18 42 25 19 02.0 19 43 in next shock			19			4,8	6,3		30.6S 177.5W, H:18 17 44.0, h 46 km. Mb 5.3, Ms 6.2. Kermadec Islands.
16.	DBN: eL F	21 05 22.3									30.9S 177.4W, H:19 38 23.4, h 37 km. Mb 5.3, Ms 6.1. Kermadec Islands.
17.	DBN: eL F	11 55 12 04									52.8N 34.9W, H:11 42 42.5, h 33 km. Mb 4.3, Ms 3.9. North Atlantic Ocean.
18.	DBN: eL F	03 10 03 25									ISC: 11.9N 86.9W, H: 02 30 41, h 125 km. Mb 4.7. Near coast of Nicaragua.
18.	DBN: eL F	09 59 10 14									31.0N 66.7E, H:09 30 12.2, h 35 km. Mb 4.9, Ms 4.4. Afghanistan.
18.	WIT: iPKP	19 01 45.0									17.9S 178.3W, H:18 43 00.7, h 464 km. Mb 4.2. Fiji Islands region.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JULY 1975	19.	DBN: eP	04	15	15	+					29.3N 142.1E, H:04 02 10.2, h 8 km. Mb 5.6, Ms 5.2., South of Honshu, Japan.
		ePP	04	18	48						
		eS	04	26	08						
		eL	04	49							
		F	06.0								
		eP	04	15	09.0						
19.	DBN: iP	06	20	28						31.9N 78.6, H:06 10 54.9, h 40 km. Mb 5.3, Ms 4.7., Tibet-India border region. (2 killed)	
	eL	06	39								
	F	07	24								
19.	DBN: eSKS	22	58	32						1.6N 90.8W, H:22 34 44.2, h 33 km. Mb 4.9, Ms 4.9. Galapagos Islands region.	
	eL	23	18								
	Γ	00	00								
20.	DBN: eL	00	29							8.4N 82.9W, H:23 48 46.3 h 49 km. Mb 5.3, Ms 4.1. Panama-Costa Rica border region.	
	F	01	00								
20.	DBN: iP	08	14	35	+					44.4N 148.0E, H:08 02 40.6, h 82 km. Mb 5.8, Kuril Islands.	
	eS	08	24	24							
	eL	08	38								
	F	09	22								
	WIT: iP	08	14	30.0	+						
20.	WIT: e	08	14	56.0							
	DBN: iPdif.	14	53	32	+					6.6S 155.1E, H:14 37 39.9, h 49 km. Mb 6.6, Ms 7.9. Solomon Islands.	
	iPKP	14	56	44	+						
	iPP	14	58	52							
	iPKS	15	00	13							
	iSKKS	15	05	48							
	iPS	15	08	52							
	iPPS	15	10	44							
	eSS	15	16.5								
	eSSS	15	21.5								
	eL	15	31			20		140	7.7		
	F	in next shock									
	WIT: ePKP	14	56	41.5							
	i	14	56	45.0							
i	14	57	04.5								
20.	WIT: ePKP	17	29	58.0						6.9S 154.8E, H:17 10 51.5, h 24 km. Mb 5.4. Solomon Islands.	
	e	17	30	08.0							

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JULY 1975	20. DBN: iPdif.	20	10	28	+	20			71	7.4	7.1S 155.2E, H:19 54 27.7, h 44 km. Mb 6.1, Ms 7.7. Solomon Islands.
	iPKP	20	13	40	+						
	iPP	20	15	49							
	iPKS	20	17	02							
	eSKKS	20	22	43							
	ePS	20	25	55							
	ePPS	20	27	44							
	eSS	20	33.1								
	eSSS	20	38.0								
	eL	20	48								
	F	02.4									
	WIT: ePKP	20	13	34.0							
	i	20	13	37.7	+						
20.	WIT: ePKP	20	28	34.0							6.9S 155.0E, H:20 09 28.7, h 33 km. Mb 5.6. Solomon Islands.
20.	DBN: eL	24	02								6.6S 154.7E, H:23 05 18.8, h 50 km. Mb 6.2, Ms 6.7. Solomon Islands.
	F	in prec. shock									
	WIT: ePKP	23	24	20.0							
	e	23	24	32.0							
20.	WIT: ePKP	23	46	58.0							6.7S, 154.6E, H:23 27 50.5, h 7 km. Mb 5.4. Solomon Islands.
21.	DBN: iPKP	02	23	08		22			27	6.9	6.7S 155.3E, H:02 03 59.8, h 47 km. Mb 5.7, Ms 6.8. Solomon Islands
	iPP	02	25	12							
	ePKS	02	26	27							
	eL	03	00								
	F	in next shock									
	WIT: iPKP	02	23	02.5							
	e	02	03	11.5							
21.	DBN: iPKP	02	58	00	+						6.9S, 155.3E, H:02 39 01.2, h 95 km. Mb. 6.1. Solomon Islands.
	ePP	03	00	08							
	ePKS	03	01	24							
	eL	03	34								
	F	06.7									
	WIT: iPKP	02	57	57.9	+						
	i	02	58	12.5							
21.	WIT: e	03	11	05.5							No determination of epicenter.
21.	WIT: ePKP	04	29	02.0							7.0S 154.6E, H:04 09 54.8, h 33 km. Mb 5.4. Solomon Islands.
21.	WIT: ePKP	04	40	10.0							7.0S 154.6E, H:04 21 05.3, h 28 km. Mb 5.2. Solomon Islands.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JULY 1975											
21.	DBN: eL F	13 14	53 57								13.7N 51.5E, H:13 27 44.9, h 33 km. Mb 4.8, Ms 5.9. Eastern Gulf of Aden.
	HEE:										No seismic records from the station HEE for the period June 28 - July 21.
22.	DBN: eL F	00 01	47 18								6.7S 154.6E, H:23 43 17.8, h 36 km. Mb 5.5. Solomon Islands.
22.	DBN: eL F	04 04.7	19								7.1S 155.1E, H:03 12 54.3, h 45 km. Mb 5.1, Ms 4.9. Solomon Islands.
22.	HEE: ePKP	05	09	19							6.4S 155.0E, H:04 50 19.5, H 73 km. Mb 5.5. Solomon Islands.
22.	DBN: iPP eL F WIT: ePKP HEE: iPKP i e	19 20 22.0 19 19 19	41 18 39 39 39	32 18.5 21.5 32.0 41.5	+ (-) +	20			3.9	6.1	7.2S 155.7E, H:19 20 13.8, h 36 km. Mb. 5.7, Ms 6.1. Solomon Islands.
23.	DBN: eL F WIT: eP HEE: eP	03 03 03 03	41 56 14 14	 18.5 23.0	 +						16.5N 96.4E, H:03 03 11.6, h 33 km. Mb 5.2, Ms 4.7. Burma.
24.	DBN: eL F	00 01	26 52								7.2S 155.1E, H:23 22 43.8, h 42 km. Mb 5.6, Ms 5.7. Solomon Islands.
25.	DBN: iP eL F WIT: eP e	10 11 11 10 10	51 16 50 51 52	53 49.5 03.5	+ +						55.1N 160.4W, H:10 40 25.0, h 17 km. Mb 5.8, Ms 5.2. Alaska Peninsula.
25.	HEE: ePKP	11	45	33.0							18.0S 176.3E, H:11 25 54.2, h 47 km. Mb 4.8. Fiji Islands region.
25.	DBN: eP eS eL F HEE: eP i	19 19 19 19 19 19	21 24 27.6 41 21 21	20 48 12.0 17.0	- 						38.4N 21.8E, H:19 17 11.9, h 37 km. Mb 4.7, Ms 5.4. Greece.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JULY 1975											
25.	DBN: eL F	20 21	18 06								No determination of epicenter.
25.	DBN: eL F WIT: eP HEE: eP	23 23 22 22	31 58 59 59	44 54.0							42.9N 146.9E, H:22 47 45.5, h 43 km. Mb 4.9, Ms 4.1. Off coast of Hokkaido, Japan.
26.	DBN: eL F	07 07	29.0 40								44.1N 28.7W, H:07 19 20.0, h 33 km. Mb 4.5, Ms 3.6. North Atlantic Ridge.
27.	HEE: e(P*)	01	24	01.0 +							BNS: H:01 23 50.6, Max 2.6, Belgium-Netherlands border region.
27.	DBN: eL F	04 05	48 11								43.7N 127.2W, H: 04 15 41.0 h 31 km. Mb 4.7, Ms 4.2. Off coast of Oregon.
27.	DBN: eL F HEE: eP	11 12 11	59 17 53	18.5							33.1N 13.7E, H:11 49 00.6, h 33 km. Mb 3.9. Mediterranean Sea.
28.	DBN: eL F	03 04	56 25								0.0S 125.0E, H:02 59 46.7, h 149 km. Mb 5.5. Molucca Sea.
28.	WIT: iPKP HEE: IPKP e	05 05 05	27 27 27	10.4 - 15.0 - 22.0 +							20.4S 178.6W, H:05 08 32.1, h 609 km. Mb 5.0. Fiji Islands region.
28.	DBN: ePKP ePP eSKP eL F WIT: ePKP ePP HEE: ePKP ePP	09 09 09 09 09 09 09 09 09	04 06 07 44 11.5 03 06 04 06	04 06 16 58.5 05.0 01.0 09.5							6.9S 154.5E, H:08 44 55.3, h 38 km. MB 5.7, Ms 5.7. Solomon Islands.
28.	HEE: eP	09	16	26.5							38.6N 08 E, H:09 13 18.4, h 33 km. Mb 4.5. Spain.
28.	DBN: eL F HEE: eP i	12 13 12 12	58.0 11 40 40	33.5 35.5 +							39.2N 72.5E, H:12 32 03.3, h 47 km. Mb 5.2. Kirgiz SSR.
28.	DBN: eSPP eL F	15 16 16	50 08 42	28							25.4N 109.6W, H:15 26 17.9, h 33 km. Mb 5.2. Gulf of California.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JULY 1975											
28.	DBN: eL F	17 18	41 00								25.4N 109.7W, H:16 51 53.9, h 33 km. Mb 4.9. Gulf of California.
28.	DBN: eL F	19 19	30 59								6.9S 154.8E, H:18 22 53.6, h 44 km. Mb 4.9, Ms 5.3. Solomon Islands.
28.	DBN: eL F WIT: ePKP HEE: ePKP	22 23 21 21	31 47 44 44	07 12.0	-						6.8S 154.6E, H:21 25 04.7, h 37 km. Mb 5.3. Solomon Islands.
29.	DBN: eL F	02 02	25 44								43.7N 126.1W, H:01 48 16.2, h 33 km. Mb 5.2, Ms 3.8. Off coast of Oregon.
29.	DBN: eS eSS eL F WIT: eP HEE: iP i	02 03 03 03 02 02 02	58 02.0 08 48 50 50 50	12 20.5 26.0 28.5	- - +	20	3.6	5.5			32.6N 78.5E, H:02 40 58.2, h 51 km. Mb 5.5. Kashmir-Tibet border region.
29.	DBN: eL F WIT: iP	13 14 13	58 13 24	17.3							25.2N 63.1E, H:13 25 21.8, h 33 km. Mb 5.4, Ms 4.9, Pakistan.
29.	HEE: eP	14	12	26.0							46.6N 151.5E, H:14 00 32.4, h 83 km. Mb 5.2. Kuril Islands.
29.	DBN: eS eL F WIT: eP HEE: iP i	15 15 15 15 15 15	16 18.4 36 12 11 12	08 06.5 55.5 02.0							34.9N 24.9E, H:15 07 12.3, h 47 km. Mb 4.7. Crete.
29.	DBN: eS eL F WIT: eP HEE: eP	21 21 21 21 21	31 38 12 23 23	16 28.5 15.5	-						1.3S 15.1W, H:21 13 44.7, h 33 km. Mb 5.0. North of Ascension Island.
29.	DBN: eL F	22 22	28.4 39								41.6 19.3E, H:22 21 08.1, h 48 km. Mb 3.9. Albania.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
JULY 1975	30. DBN: ePP	09	37	03							10.0S 123.8E, H:09 17 12.9, h 16 km. Mb 5.6, Ms 6.1. Timor.
	eSKKS	09	44	14							
	eSP	09	46	35							
	ePPS	09	47	52							
	eSS	09	52.5								
	eSSS	09	58.0								
	eL	10	08			23		8.3		6.3	
	F	in next shock									
	WIT: ePKP	09	35	58.5							
	HEE: ePKP	09	35	58.5							
30. DBN: eL	11.3									9.8S 123.8E, H:10 23 40.8, h 19 km. Mb 5.5. Timor.	
F	12.5										
30. DBN: eL	16 34									39.5N 32.1E, H16: 25 19.7, h 20 km. Mb 4.6. Turkey.	
F	in next shock										
WIT: eP	16 30	17.5									
HEE: eP	16 30	10.5									
30. DBN: iZ	16 40	20		-						37.5S 51.5S, H:16 04 20.9, h 33 km. Mb 5.0, Ms 5.7. South Indian Ocean.	
iZ	16 41	38		+							
eL	16 53										
F	17 33										
30. DBN: eL	18 16									No determination of epicenter.	
F	18 46										
31. WIT: ePKP	03 53	47.0								ISC: 21.7S 177.0W, H: 03 34 24, h 209 km. Fiji region.	
HEE: ePKP	03 53	52.0									
31. HEE: ePKP	08 58	34.0								15.9S 173.0W, H:08 38 57.3, h 25 km. Mb 5.2. Tonga Islands.	
31. DBN: eL	11 31									39.7N 70.6E, H:11 07 14.9, h 40 km. Mb 4.9. Tadzhik SSR.	
F	11 46										
31. DBN: eL	16 14									9.7S 117.2E, H:15 17 38.8, h 52 km. Mb 5.5, Ms 5.4. Sumbawa Island region.	
F	16 52										
31. DBN: eL	17 31									5.2S 152.8E, H:16 24 32.5, h 53 km. Mb 5.7, Ms 5.8. New Britain region.	
F	18 50										
WIT: ePKP	16 43	30.5		-							
HEE: ePKP	16 43	32.5		+							
31. WIT: ePKP	16 45	25.5								5.1S 152.9E, H:16 26 27.2, h 40 km. Mb 5.7. New Britain region.	
HEE: ePKP	16 45	28.0									
e	16 45	33.5									
31. HEE: e	23 26	30.0								48.7N 7.8E, H:23 25 02.8, h 12 km. France.	

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
AUGUST 1975											
1.	WIT: eP	17	14	47.5							51.7N 159.1E, H:17 03 16.7, h 33 km. Mb 5.0 Off coast of Kamchatka.
1.	DBN: iP	20	32	11	-	4	2.1				39.4N 121.5W, H:20 20 12.9, h 15 km. Mb 5.8, Ms 5.6. Northern California.
	ePP	20	35	04							
	eS	20	42	07							
	eSS	20	47.3								
	eL	20	55			20	7.1		7.1	6.0	
	F	22.6									
	WIT: eP	20	32	11.0							
	i	20	32	13.5	-						
	HEE: eP	20	32	17.0	-						
	i	20	32	19.5	-						
1.	HEE: ePKP	23	43	52.5							15.6S 173.8W, H:23 24 24.7, h 83 km. Mb 4.9. Tonga Islands.
2.	WIT: iP	02	04	02.6	+						22.0S 179.5W, H:02 45 18.5, h 576 km. Mb 5.3. South of Fiji Islands.
	HEE: iP	02	04	06.5	+						
	i	02	04	16.5	-						
2.	DBN: iP	10	29	53	-	7	6.1				53.4N 161.5W, H:10 18 17.9, h 33 km. Mb 6.2, Ms 6.0. South of Alaska.
	iPP	10	32	42							
	iS	10	39	28							
	eSS	10	44.3								
	eL	10	50			20			14.2	6.2	
	F	13.8									
	WIT: iP	10	29	50.7	-						
	i	10	29	54.0							
	i	10	30	03.7	-						
	HEE: eP	10	30	00.5	-						
	i	10	30	05.0	-						
	i	10	30	15.0							
2.	DBN: eL	17	56								23.9N 108.7W, H:17 15 05.5, h 33 km. Mb 5.0. Gulf of California.
	F	18	33								
2.	DBN: eL	21	02								39.4N 121.5W, H:20 22 16.3, h 4 km. Mb 5.3, Ms 4.5. Northern California.
	F	21	22								
	WIT: eP	20	34	15.5							
	HEE: iP	20	34	22.0	+						
2.	DBN: iP	21	11	02							39.4N 121.7W, H:20 59 02.7, h 5 km. Mb 5.2, Ms 4.7. Northern California.
	eL	21	39								
	F	21	59								
	WIT: eP	21	11	03.5							
	HEE: eP	21	11	08.0	-						

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
AUGUST 1975	3. DBN: eL	07	17								36.5M 120.3W, H:06 35 16.5, h 5 km. Mb 5.1, Ms 4.0. Central California. No determination of epicenter. 19.7N 63.2W, H:10 35 01.5, h 35 km. Mb 5.2, Mb 4.7. Leeward Islands. 15.6S 75.1W, H:11 59 20.7, h 15 km. Mb 5.3, Ms 5.9. Near coast of Peru. 52.4S 139.9E, H:13 31 35.6, h 33 km. West of Macquarie Islands. 23.5N 142.8E, H:23 19 18.3, h 90 km. Mb 4.8. Volcano Islands region. 5.2S 151.7E, H:04 39 50.6, h 138 km. Mb 5.0. New Britain region. 40.7N 48.6E, H:00 54 58.7, h 20 km. Mb 4.4. Eastern Caucasus. 39.5N 121.5W, H:03 50 29.9, h 7 km. Mb 5.1, Ms 4.0. Northern California. 17.9S 168.4E, H:17 13 27.3, h 144 km. Mb 5.2. New Hebrides Islands. 33.8N 39.3W, H:18 01 39.1, h 33 km. Mb 5.4, Ms 5.7. North Atlantic Ridge.
	F	07	44								
	WIT: eP	06	47	29							
	HEE: eP	06	47	33.5							
	e	06	47	38.5							
	3. HEE: e	10	24	28.0							
	3. DBN: eL	11	01								
	F	11	38								
	WIT: eP	10	45	23.5							
	HEE: eP	10	45	20.0							
	3. DBN: eP	12	12	48							
	iSKS	12	23	36							
iS	12	24	16								
ePS	12	25	34								
eL	12	43			18	3.1		3.5			
F	15.0							5.8			
WIT: eP	12	12	53.5								
HEE: eP	12	12	50.5								
3. HEE: ePKP ₂	13	51	33.5								
5. DBN: eL	00	10									
F	00	40									
5. HEE: ePKP	04	58	39.0								
6. DBN: eL	10	14									
F	01	23									
6. WIT: eP	04	02	27.5								
HEE: eP	04	02	34.5								
6. HEE: ePKP	17	32	45.5	+							
6. DBN: iP	18	08	43	+	4	0.8					
ePP	18	10	10								
eS	18	14	32								
eL	18	19.0			20			7.1			
F	19	46						5.5			
WIT: eP	18	08	53.5								
HEE: eP	18	08	46.0	+							

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
AUGUST 1975	6. WIT: iPKP	20	33	54.4	-						20.5S 179.0W, H:20 15 20.4, h 649 km. Mb 4.7. Fiji Islands region.
	HEE: ePKP	20	33	59.0	-						
	e	20	34	06.5	+						
6.	DBN: iP	21	49	05	-						43.9N 139.3E, H:21 37 39.7, h 230 km. Mb 5.6. Eastern Sea of Japan.
	WIT: iP	21	49	00.5	-						
	HEE: iP	21	49	09.5	-						
6.	DBN: i(SKP)	22	46	22							2.5S 146.0E, H:22 24 31.2, h 33 km. Mb 6.2, Ms 6.3. Admiralty Islands region.
	eSKS	22	50.5								
	eSS	23	01	26							
	eL	23	21			20			8.5	6.4	
	F	01.7									
	HEE: ePKP	22	43	25							
7.	WIT: iPKP	01	14	42.7	+						17.8S 178.7W, H:00 56 05.6, h 534 km. Mb 4.8, Fiji Islands region.
	HEE: iPKP	01	14	48.0	+						
7.	WIT: eP	04	05	01.5							49.8N 78.2E, H:03 56 57.5, h 0 km. Mb 5.2. Eastern Kazakh SSR.
	HEE: iP	04	05	11.5							
7.	DBN: eL	14	31								3.8S 139.7E, H:13 28 24.2, h 65 km. Mb 5.6. West Irian.
	F	14	48								
7.	DBN: eL	15	39.6								36.4N 4.4W, H:15 30 22.9, h 99 km. Mb 5.2. Strait of Gibraltar.
	F	15	50								
	HEE: eP	15	34	06.5							
7.	WIT: ePKP	20	30	51.0							22.8S 178.9E, H:20 12 15.2, h 626 km. Mb 5.4. South of Fiji Islands.
	i	20	30	56.4	-						
	HEE: ePKP	20	30	53.0							
	i	20	31	00.5							
	i	20	31	10.0							
8.	DBN: eL	00	28								No determination of epicenter.
	F	00	35								
8.	DBN: eL	01	47								6.3S 154.7E, H:00 39 28.5, h 33 km. Mb 5.3, Ms 5.3. Solomon Islands.
	F	02	03								
8.	DBN: eL	05	43								10.3S 123.8E, H:04 40 33.0, h 21 km. Mb 5.1. Timor.
	F	06	10								
8.	DBN: eL	17	51								22.6N 122.4E, H:17 07 42.5, h 15 km. Mb 5.0. Taiwan region.
	F	18	32								
	HEE: e(P)	17	20	44							

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
AUGUST 1975	9. DBN: iPKP	06	54	54	-					20.8S 168.5E, H:06 35 12.1, h 5 km. Mb 5.3. Loyalty Islands.	
	i	06	55	22							
	WIT: iPKP	06	54	52.6							
	HEE: iPKP	06	54	59.5	-						
	9. DBN: eL	08	27							9.5N 126.2E, H:07 35 16.7, h 49 km. Mb 5.3, Ms 5.3. Mindanao, Philippine Islands.	
	F	09	20								
	10. DBN: eL	03	54							51.2N 174.2E, H:03 12 46.2, h 17 km. Mb 5.1, Ms 4.5. Near Is., Aleutian Islands.	
	F	04	27								
	10. DBN: eL	05	11							7.0S 154.6E, H:04 13 13.3, h 25 km. Mb 5.3. Solomon Islands.	
	F	06	40								
	10. WIT: ePKP	07	24	08.0	+					22.5S 179.3W, H:06 55 11.5, h 467 km. Mb 4.8. South of Fiji Islands.	
	10. DBN: eP	10	38	58						22.6S 66.6W, H:10 25 43.3, h 166 km. Mb 6.2. Jujuy Prov., Argentina.	
	ipP	10	39	44	-						
	iZ	10	39	49	+						
	iPP	10	42	49							
	iSKS	10	49	12							
	iS	10	51	20							
	eL	11	14								
	F	13.2									
	WIT: eP	10	39	02.5							
	epP	10	39	55.5							
	ePKKP	10	56	03.0							
	HEE: eP	10	38	57.0	-						
	epP	10	39	49.0	+						
	ePKKP	10	56	07.0							
	ep'p'	11	03	48							
	10. DBN: eP	17	42	34						6.0N 127.1E, H:17 28 42.9, h 111 km. Mb 5.6. Philippine Islands region.	
	eL	18	15								
	F	19	03								
	HEE: eP	17	42	36.5							
	10. HEE: ePKP	20	45	08.0						21.9S 170.2E, H:20 25 27.8, h 52 km. Loyalty Islands region.	
	e	20	45	25.0							
	11. DBN: eL	09	41							45.8S 75.5W, H:08 36 44.8, h 33 km. Mb 4.9, Ms 4.5. Off coast of southern Chile.	
	F	10	03								

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
AUGUST 1975											
11.	DBN: eL F	11 12	26 05								11.7S 77.8W, H:10 39 18.8, h 74 km. Mb 5.6. Near coast of Peru.
11.	HEE: ePKP	20	49	46.0							ISC: 19.7S 178.3W, H: 20 30 54.6, h 501 km. Fiji region.
12.	WIT: ePKP HEE: ePKP	01 01	31 31	24.5 29.0							19.0S 175.5W, H:01 12 05.8, h 197 km. Mb 4.9. Tonga Islands.
12.	HEE: ePKP	01	49	25.0							16.6S 173.8W, H:01 29 47.4, h 43 km. Mb 4.6. Tonga Islands.
12.	DBN: iP epP iPP iS eL F WIT: eP epP HEE: eP epP	14 14 14 14 14 16.9. 14 14 14 14	33 34 36 43 56 33 34 33 34	06 32 38 02 02.0 31.0 07.5 45.0	-	4	1.5				32.0N 137.7E, H:14 21 04.7, h 391 km. Mb 5.7. South of Honshu, Japan.
13.	WIT: ePKP HEE: iP	01 01	02 02	12.0 18.0	+						21.0S 174.5W, H:00 42 36.3, h 109 km. Mb 4.8. Tonga Islands.
13.	DBN: eL F	10 10	16 30								66.1N 17.6W, H:10 06 57.7, h 33 km. Mb 4.4. Iceland region.
14.	WIT: iP HEE: iP e	15 15 15	11 11 12	51.5 56.0 03.5	- -						20.0S 178.7W, H:14 53 15.8, h 609 km. Mb 5.0. Fiji Islands region.
14.	HEE: ePKP ₂	17	29	31.0							39.2S 176.2E, H:17 08 31.8, h 75 km. Mb 5.1. North Island, New Zealand.
14.	WIT: iP i HEE: ePKP	18 18 18	03 03 03	20.0 21.5 23.0							6.9S 147.7E, H:17 44 23.8, h 44 km. Mb 5.8, Ms 5.5. East Papua New Guinea region.
14.	DBN: eP eL F WIT: eP epP HEE: eP epP	18 18 19 18 18 18 18	21 50 28 21 21 21 22	48 44.0 58.0 53.0 08.5	+						37.1N 141.0E, H:18 09 27.6, h 52 km. Mb 5.5. Near east coast of Honshu, Japan.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
AUGUST 1975											
15.	DBN: iP iPP iPPP iS eSS eL F	07 07 07 07 07 08 11.1	39 42 44 49 53 01	48 20 22 12 44	-	8	4.1				54.9N 167.8E, H:07 28 18.9, h 4 km. Mb 6.0, Ms 6.6. Komandorsky Is. region.
	WIT: eP i	07 07	39 39	43.5 55.4	-						
	HEE: eP i i	07 07 07	39 39 40	54.0 58.5 06.5	-						
16.	HEE: eP e	00 00	33 34	48 01							46.2N 14.5E, H:00 31 58.0, h 48 km. Yugoslavia.
16.	WIT: eP HEE: iP epP	01 01 01	06 06 07	40.5 37.0 08.0							5.4S 76.1W, H:00 53 53.7, h 123 km. Mb 5.7. Northern Peru.
16.	WIT: iP HEE: iP i	07 07 07	42 42 43	55.0 59.0 08.0	-						21.2S 179.0W, H:07 24 17.4, h 631 km. Mb 5.6. Fiji Islands region.
17.	WIT: iP e HEE: iP i e	03 03 03 03 03	49 49 49 49 50	27.5 53.0 33.0 58.5 40.0	+ - +						17.2S 175.0W, H:03 30 22.1, h 273 km. Mb 5.6. Tonga Islands.
17.	WIT: e HEE: e	06 06	32 33	50 30.5							32.8S 178.5W, H:06 12 48.0, h 33 km. Mb 5.0. South of Kermadec Islands.
17.	DBN: eL F	07 07	47 58								No determination of epicenter.
18.	DBN: eL F	03 03	30.0 36								40.4N 26.0E, H:03 19 51.7, h 37 km. Mb 3.7. Turkey.
18.	HEE: eP e	15 15	07 08	55.5 03.5							57.4N 150.2W, H:14 56 42.1, h 25 km. Mb 5.2, Ms 4.3. Gulf of Alaska.
19.	DBN: eL F	07 08	51 21		20	1.7		1.5	1.5	5.6	3.4S 146.8E, H:06 48 08.1, h 34 km. Mb 5.1, Ms 5.2. Bismarck Sea.
19.	DBN: eL F	11 12	58 34								32.7S 178.7W, H:10 29 10.6, h 31 km. Mb 4.7, Ms 5.4. South of Kermadec Islands.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Blit	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
AUGUST 1975	19. DBN: iP	15	09	29							16.2N 94.1W, H:14 57 12.3, h 85 km. Mb 5.8. Oaxaca, Mexico.
	eL	15	36								
	F	15	56								
	WIT: iP	15	09	33.6	+						
	HEE: iP	15	09	34.0	+						
19. DBN: eL	21	04								16.9N 97.8W, H:20 19 16.9, h 85 km. Mb 5.0. Oaxaca, Mexico.	
F	21	34									
20. WIT: iP	05	36	18.5							21.2S 179.0W, H:05 17 41.2, h 628 km. Mb 4.9. Fiji Islands region.	
HEE: iP	05	36	23.5	-							
i	05	36	32.0	+							
20. DBN: iP	20	37	34							20.4S 178.4W, H:20 18 50.9, h 559 km. Mb 5.7. Fiji Islands region.	
ipPKP	20	39	44								
WIT: iP	20	37	28.0								
i	20	37	33.0	-							
epPKP	20	39	44.0								
HEE: ePKP	20	37	32.5								
i	20	37	38.0	-							
epPKP	20	39	50.5								
21. WIT: ePKP	07	06	45.0							5.9S 154.4E, H:06 48 30.3, h 340 km. Mb 5.3. Solomon Islands.	
HEE: ePKP	07	06	48.0								
21. WIT: iP	08	56	36.3	+						17.7S 178.7W, H:08 38 00.2, h 546 km. Mb 4.9. Fiji Islands region.	
HEE: iP	08	56	42.0	+							
21. DBN: eL	10	55								6.6S 154.9E, H:09 46 42.4, h 50 km. Mb 5.8, Ms 5.9. Solomon Islands.	
F	12	06									
HEE: ePKP	10	05	45.0								
21. DBN: e(S)	14	19	42							No determination of epicenter.	
eL	14	27.6									
F	14	57									
22. DBN: eL	01	48								28.1N 139.7E, H:00 59 46.8, h 456 km. Mb 5.0. Bonin Islands region.	
F	02	00									
WIT: eP	01	11	56.0	-							
HEE: eP	01	12	03.5	-							
i	01	12	06.0	+							
22. DBN: eL	18	05								ISC: 15.6S 13.3W, H: 17 34 54.5, h 33 km. South Atlantic Ridge.	
F	18	19									
22. WIT: iP	18	48	06.7	+						ISC: 17.4S 178.8W, H: 18 29 32.6, h 566 km. Fiji region.	
HEE: ePKP	18	48	12.0								
22. HEE: e(pP)	19	50	07.0							31.4N 138.1E, H: 19 36 24.2, h 399 km. Mb 5.1. South of Honshu, Japan.	

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
AUGUST 1975	22. DBN: eL	20	21								15.7S 13.3W, H:19 48 19.5, h 33 km. Mb 5.1. South Atlantic Ridge.
	F	20	48								
22.	DBN: iP	23	20	43	+	18	1.7.	1.5	5.4	Near coast of Chiapas, Mexico.	
	eS	23	31	17							
	eL	23	49								
	F	00	43								
	WIT: eP	23	20	48.5	+						
	HEE: eP	23	20	48.5	+						
23.	DBN: ePP	04	26	16						3.2S 137.6E, H:04 05 58.8, h 57 km. Mb 5.8. West Irian.	
	eH	04	33	36							
	eSS	04	42.0								
	eL	04	55								
	F	06	43								
	HEE: ePKP	04	24	40.5							
23.	DBN: iP	09	06	07	+	3	3.2			73.4N 54.6E, H:08 59 57.9, h 0 km. Mb 6.4, Ms 4.9. Novaya Zemlya.	
	eL	09	14								
	F	10	10								
	WIT: iP	09	05	57.6	+						
	i	09	06	03.4	-						
	i	09	06	16.7	-						
	HEE: iP	09	06	13.5	+						
	iPcP	09	09	13.0							
23.	DBN: iP	14	02	31	+	5	1.4			54.7N 160.1E, H:13 51 24.1, h 141 km. Mb 5.9. Near east coast of Kamchatka.	
	ipP	14	03	06							
	iPP	14	05	12							
	iS	14	11	39							
	isS	14	12	39							
	eL	14	25								
	F	15	15								
	WIT: eP	14	02	26.0	+						
	ipP	14	03	02.5							
	HEE: eP	14	02	37.0	+						
	i	14	02	54.5	-						
	epP	14	03	13.0							
23.	DBN: iP	15	20	21	+	20	4.5	3.5	3.5	5.9	10.0N 125.8E, H:15 06 39.0, h 40 km. Mb 6.0, Ms 5.6. Leyte, Philippine Islands.
	iPP	15	24	27							
	ePPP	15	26	38							
	eSKS	15	31.0								
	ePS	15	33	33							
	eL	15	55								
	F	17.2									
	WIT: eP	15	20	17.0							
	HEE: eP	15	20	22.0							

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
AUGUST 1975	23. WIT: ePKP	19	57	12.5						24.8S 179.9E, H:19 38 13.3, h 488 km. Mb 5.3. South of Fiji Islands.	
	HEE: ePKP	19	57	16.5							
	e	19	57	31.0							
24.	WIT: iP	01	16	11.0	+					10.7N 62.6W, H:01 05 14.5, h 106 km. Mb 5.2. Near coast of Venezuela.	
	HEE: iP	01	16	06.0	+						
24.	WIT: ePKP	14	08	32.0						24.3S 176.8W, H:13 48 50.6, h 110 km. Mb 5.0. South of Fiji Islands.	
	HEE: ePKP	14	08	36.0							
24.	DBN: eL	15	48							9.7S 159.9E, H:14 35 31.6, h 45 km. Mb 5.4, Ms 4.9. Solomon Islands.	
	F	16	09								
24.	WIT: eP	16	16	50.0	+					53.1N 171.0E, H:16 05 16.0, h 24 km. Mb 5.1, Ms 3.9. Near Islands, Aleutian Islands.	
	e	16	16	58.0							
	HEE: eP	16	17	01							
25.	DBN: eP	04	09	27	+					6.9N 77.8W, H:03 57 20.2, h 47 km. Mb 5.2, Mb 4.9. Near west coast of Colombia.	
	eS	04	19	32							
	eL	04	35								
	F	05	24								
	WIT: eP	04	09	33.5							
	e	04	09	38.5							
	HEE: eP	04	09	30.0	+						
25.	DBN: iP	21	55	24	+					19.2S 69.2W, H:21 42 10.8, h 119 km. Mb 5.7. Northern Chile.	
	ipP	21	55	55	+						
	iPP	21	59	15							
	iSKS	22	05	51							
	iS	22	06	36							
	iSP	22	07	51							
	iSPP	22	08	46							
	eL	22	30								
	F	23.4									
	WIT: epP	21	56	02.0							
	HEE: eP	21	55	23.5	+						
	i	21	55	34.0	+						
	ipP	21	55	56.5	+						
	e	21	59	10.0							
26.	DBN: eL	05	53							41.0N 143.0E, H:05 10 45.0, h 54 km. Mb 5.2. Hokkaido, Japan region.	
	F	06	23								
	WIT: eP	05	22	46.5							
26.	HEE: eP	05	22	56.0						15.5S 177.2W, H:11 06 58.7, h 33 km. Mb 5.3, Ms 5.4. Fiji Islands region.	
	DBN: eL	12	26								
26.	F	13	03								
	HEE: ePKP	11	26	32.5							

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
AUGUST 1975	26. WIT: iPKP	12	39	14.3	+						23.8S 176.9W, H:12 19 32.6, h 114 km. Mb 5.4. South of Fiji Islands.
	HEE: ePKP	12	39	18.0							
26.	DBN: eL	20	53								15.1N 94.1W, H:20 06 02.8, h 50 km. Mb 4.9, Ms 4.1. Near coast of Oaxaca, Mexico.
	F	21	19								
	WIT: eP	20	18	32.5							
	e	20	18	40.5							
27.	HEE: eP	20	18	32.0							23.8S 179.8W, H:02 35 59.7, h 540 km. Mb 5.1. South of Fiji Islands.
	WIT: ePKP	02	54	52.0							
28.	DBN: eL	03	08								14.3N 146.6E, H:02 10 04.2, h 45 km. Mb 5.0. Mariana Islands.
	F	03	37								
28.	DBN: eL	14	46								40.7N 122.1E, H:14 05 10.1, h 78 km. Mb 4.8. Northeastern China.
	F	15	05								
28.	DBN: eL	19	23								25.9S 84.2E, H:18 25 44.1, h 33 km. Mb 5.4. South Indian Ocean.
	F	19	49								
29.	HEE: ePKP	05	45	32.0	+						ISC: 16.1S 172.7W, H: 05 25 53.1, h 33 km. Samoa region.
29.	WIT: ePKP	07	23	02.5	-						15.8S 167.8E, H:07 03 55.3, h 192 km. Mb 5.5. New Hebrides Islands.
	HEE: ePKP	07	23	02.0							
29.	DBN: eL	08	59								No determination of epicenter.
	F	09	36								
29.	DBN: eP	10	28	29							40.6N 143.7E, H:10 16 17.1, h 30 km. Mb 5.1. Off east coast of Honshu, Japan.
	eL	10	56								
	F	11	54								
	WIT: eP	10	28	24.5							
	e	10	28	34.0							
	HEE: eP	10	28	34.5							
29.	e	10	28	41.5	-						9.3N 94.2E, H:20 40 01.3, h 33 km. Mb 5.0. Nicobar Islands region.
	DBN: eL	21	30								21.2S 178.5W, H:20 17 01.7, h 518 km. Mb 4.9. Fiji Islands region.
	F	21	58								
	WIT: eP	20	52	13.5							
HEE: eP	20	52	23								
30.	WIT: ePKP	20	35	50.0	+						57.3N 151.1W, H:12 02 10.0, h 12 km. Mb 5.1, Ms 4.4. Kodiak Island region.
	HEE: ePKP	20	35	54.5							
	e	20	36	03.0							
31.	HEE: eP	12	13	26.0							
	e	12	13	34.5							

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
AUGUST 1975											
31.	DBN: eL	12	58								7.2N 82.3W, H:12 18 56.0, h 33 km. Mb 5.3, Ms 4.7. South of Panama.
	F	13	22								
	WIT: eP	12	31	24							
	HEE: eP	12	31	24.0							
31.	HEE: ePKP	20	23	35.0							15.1S 175.0W, H:20 04 49.7, h 470 km. Tonga Islands.

SEISMOLOGICAL BULLETIN



Date SEPTEMBER 1975	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
1.	DBN: eL F WIT: eP HEE: eP	23 23 23 23	35 46 22 22	 56.5 55.5						33.3N 49.1E, H: 23 15 52.5, h 16 km. Mb 4.9. Western Iran.	
2.	DBN: eL F	11 12	06 26		20		1.7		5.5	30.1N 140.0E, H: 10 23 25.2, h 26 km. Mb 5.6, Ms 5.5. South of Honshu, Japan.	
2.	DBN: eL F	12 13	51 18							33.0N 121.9E, H: 12 10 05.7, h 33 km. Mb 4.8, Ms 4.7. Yellow Sea.	
2.	WIT: eP HEE: eP	19 19	50 50	47.0 54.5						33.6N 142.2E, H: 19 38 07.5, h 18 km. Mb 5.2. Off east coast of Honshu, Japan.	
3.	DBN: iP ePP iS eL F WIT: eP HEE: eP	19 19 19 20 20 19 19	54 55 58 00.0 45 54 54	44 13 33 45.5 53.0	+ + +	18		4.8	4.9	59.9N 29.8W, H: 19 50 01.6, h 33 km. Mb 5.0, Ms 4.8. North Atlantic Ocean.	
3.	DBN: eL F	22 22	28 49							25.8N 99.8E, H: 21 50 32.8, h 25 km. Mb 4.8. Yunnan Province, China.	
4.	DBN: eL F	04 04	30 39							No determination of epicenter.	
4.	DBN: eP eS eL F WIT: eP HEE: eP	13 13 13 13 13 13	06 10 12.3 33 07 07	57 55 00.5 09.0						59.7N 29.8W, H: 13 02 17.4, h 33 km. Mb 4.6, Ms 4.2. North Atlantic Ocean.	
4.	DBN: eL F	15 15	15 35							No determination of epicenter.	
4.	DBN: eL F	16 16	37 59							43.1N 147.9E, H: 15 49 11.9, h 36 km. Mb 5.0. Kuril Islands.	

SEISMOLOGICAL BULLETIN

Date SEPTEMBER 1975	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
4.	WIT: ePKP	23	59	47.0	-					23.7S 179.2E, H: 23 41 01.1, h 541 km. Mb 5.3. South of Fiji Islands.	
	i	23	59	53.0							
	epPKP	00	01	52.5							
	HEE: ePKP	23	59	49.0	+						
	i	23	59	57.0							
	iPKP ₂	00	00	09.5							
epPKP	00	02	02.0								
5.	WIT: ePKP	16	26	19.0						20.7S 176.3W, H: 16 06 55.7, h 195 km. Ms 5.2. Fiji Islands region.	
	HEE: ePKP	16	26	24.0							
5.	WIT: ePKP	23	00	29.0						6.8S 154.4E, H: 22 41 26.6, h 35 km. Mb 5.2. Solomon Islands.	
	HEE: ePKP	23	00	32.0							
6.	HEE: eP	04	54	42.0						29.3N 82.2E, H: 04 44 35.7, h 33 km. Mb 5.1. Nepal	
6.	DBN: iP	09	26	03	+	8	13.0			38.5N 40.7E, H: 09 20 10.9, h 26 km. Mb 6.1, Ms 6.7. Turkey. (2311 killed)	
	iPP	09	26	46							
	eS	09	30	56							
	eL	09	33.6		22	90	6.4				
	F	12.0									
	WIT: iP	09	25	57.5				+			
HEE: iP	09	25	56.0	+							
6.	WIT: ePKP	09	54		18.0						22.0S 179.7W, H: 09 35 38.2, h 630 km. Mb 4.6. South of Fiji Islands.
	HEE: ePKP	09	54	22.0							
	e	09	54	32.0							
6.	WIT: eP	10	18	56						38.5N 40.6E, H: 10 13 08.5, h 33 km. Mb 5.1. Turkey.	
	HEE: eP	10	18	52.5							
6.	WIT: eP	10	58	02.0						38.4N 40.8E, H: 10 52 15.0, h 33 km. Mb 5.2. Turkey.	
6.	DBN: eL	12	11							No determination of epicenter.	
	F	13	35								
6.	WIT: eP	12	16	30.0	+					38.4N 40.6E, H: 12 10 47.2, h 33 km. Mb 4.9. Turkey.	
	HEE: eP	12	16	34.0							
6.	DBN: eL	18	48							56.6N 152.3W, H: 18 04 59.5 h 33 km. Mb 5.1. Kodiak Island region.	
	F	19	05								

SEISMOLOGICAL BULLETIN



Date SEPTEMBER 1975	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
6.	DBN: eS eL F WIT: e(P) HEE: e(P)	22	53	44							38.5N 40.5E, H: 22 42 50.5, h 33 km. Mb 4.2. Turkey.
7.	HEE: e	02	18	18.5	-						No determination of epicenter.
7.	DBN: eL F HEE: eP	16	28.0								45.8N 15.7E, H: 16 22 52.4, h 33 km. Mb 4.4. Yugoslavia.
7.	HEE: ePn e	20	40	20.0							47.1N 9.7E, H: 20 39 11.2, h 33 km. Germany.
8.	DBN: eL F	00	26								8.3N 82.6W, H: 23 46 08.7, h 33 km. Mb 5.0. Panama-Costa Rica border region.
8.	WIT: iPKP HEE: ePKP	07	00	37.9							20.4S 178.6W, H: 06 42 00.4, h 618 km. Mb 4.9. Fiji Islands region.
8.	HEE: eP	18	39	15.0							62.9N 25.5W, H: 18 34 35.7, h 33 km. Mb 4.4. Iceland region.
9.	DBN: eL F	03	25								40.9N 124.4W, H: 02 43 42.5, h 27 km. Mb 4.9. Near coast of northern California.
9.	DBN: eL F WIT: eP HEE: iP	18	59.0			17			4.0	5.4	40.0N 78.6E, H: 18 32 33.7, h 33 km. Mb 5.5 Ms 5.0. Southern Sinkiang Prov. China.
9.	DBN: eL F	21	22								62.2S 160.4E, H: 19 55 36.2, h 33 km. Mb 5.3. Balleny Islands region.
9.	WIT: e HEE: e	22	55	49.5							35.5N 17.3W, H: 22 50 23.1, h 33 km. Mb 4.9. North Atlantic Ocean.
10.	DBN: eL F	05	21								0.0S 121.7E, H: 04 17 40.5, h 33 km. Mb 4.8, Ms 5.0. Northern Celebes.

SEISMOLOGICAL BULLETIN



Date SEPTEMBER 1975	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
10.	DBN: eL F	10	13	10.5							40.3N 142.8E, H: 09 26 57.4, h 45 km. Mb 4.9. Near east coast of Honshu, Japan.
10.	DBN: eL F	12	07	12.4							25.1S 175.4W, H: 10 44 22.8, h 33 km. Mb 5.1, Ms 5.3. South of Tonga Islands.
11.	HEE: ePKP e	03	54	51 03 55 03.5							20.3S 174.4E, H: 03 35 22.7, h 63 km. Mb 4.6. New Hebrides Islands region.
11.	DBN: iP iPP iPPP eSKS iSP iSPP eSS eSSS eL F WIT: eP HEE: eP	22	13	23 17 19 19 23 24 00 26 03 26 44 31.1 35.0 45 01.0 22 13 26.5 22 13 28.0		4	1.6				7.0N 104.3W, H: 21 59 57.2, h 33 km. Mb 6.4, Ms 5.8. Off coast of Mexico.
						19			6.0	6.1	
12.	WIT: eP HEE: eP	00	47	13.0 14.0	-						39.2N 40.7E, H: 00 41 34.5, h 33 km. Mb 4.6. Turkey.
12.	WIT: ePKP HEE: iP	01	21	49.5 55.0	-						17.2S 177.0W, H: 01 02 56.8, h 386 km. Mb 5.0. Fiji Islands region.
12.	DBN: eP iS eL F WIT: epP HEE: eP e	13	14	52 18 35 21.1 45 13 14 56.5 13 14 34.0 13 14 37.0		19		5.2		4.9	36.2N 21.8E, H: 13 10 19.2, h 47 km. Mb 4.8, Ms 4.5. Southern Greece.
12.	WIT: iP HEE: eP	15	39	56.9 15 40 07.0	+ +						51.9N 157.2E, H: 15 28 35.1, h 88 km. Mb 5.6. Near east coast of Kamchatka.
13.	DBN: eL F	03	21	03 53							30.9N 116.1W, H: 02 38 33.7, h 33 km. Mb 5.0, Ms 4.6. Baja California.

SEISMOLOGICAL BULLETIN



Date SEPTEMBER 1975	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
13.	WIT: iPKP HEE: ePKP i	11	33	14.6 19.0 26.5	- - +					20.8S 178.7W, H: 11 14 36.8, h 619 km. Mb 5.3. Fiji Islands region.	
13.	DBN: eL F	22	01 22							36.0N 120.6W, H: 21 20 59.8, h 13 km. Mb 4.9, Ms 4.3. Central California.	
14.	DBN: eL F	15	58 16	30						11.1N 86.2W, H: 15 19 30.9, h 94 km. Mb 4.6. Near coast of Nicaragua.	
14.	DBN: eL F	18	23 18	36						12.4N 88.4W, H: 17 38 59.5, h 33 km. Mb 4.8. Off coast of Central America.	
15.	DBN: eL F	07	48 08	03						10.9N 86.3W, H: 07 08 40.2, h 33 km. Mb 4.8, Ms 4.1. Off coast of Costa Rica.	
15.	DBN: eL F WIT: ePKP i iPKP2 HEE: ePKP iPKP2	18 19 17 17 17 17 17	10 04 07 07 07 07 07	19.0 23.5 31.0 23.0 35.5	 + - +					21.3S 174.6W, H: 16 47 32.9, h 31 km. Mb 5.4, Ms 4.8. Tonga Islands.	
16.	DBN: iPKP ePP iSKKS eL F HEE: ePKP2	00 00 00 01 02.9 00	20 25 32 27 02.9 21	52 45 28 27 54.5	+ +	18	2.8			47.3S 165.6E, H: 00 00 48.8, h 30 km. Mb 5.6, Ms 5.3. Off west coast of South Island New Zealand.	
16	DBN: eL F WIT: eP e HEE: eP i	05 05 05 05 05 05	12.9 48 09 09 09 09	33.5 47.0 29.5 34.5	 +	18	5.0		4.6	41.6N 19.3E, H: 05 06 18.3, h 22 km. Mb 5.1, Ms 4.6. Albania.	
16.	WIT: iPKP HEE: iPKP	12 12	11 11	27.5 33.0	- -					18.0S 178.0W, H: 11 52 48.4, h 523 km. Mb 5.1. Fiji Islands region.	
16.	DBN: eL F	18 19	53 01							41.5N 19.2E, H: 18 45 47.4, h 50 km. Mb 4.6. Albania.	

SEISMOLOGICAL BULLETIN



Date SEPTEMBER 1975	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
17.	DBN: eL F	11	34								38.5N 40.5E, H: 11 21 24.5, h 44 km. Mb 4.6. Turkey.
17.	DBN: iP eS eL F WIT: eP e HEE: iP	23	08	44	-	18		1.9		4.5	36.4N 23.1E, H: 23 04 07.1, h 35 km. Mb 4.8, Ms 4.3. Southern Greece.
17.	DBN: eS eL F HEE: e(P)	23	51	50							38.2N 20.3E, H: 23 44 20.7, h 43 km. Mb 4.6. Greece.
18.	HEE: ePKP	05	48	50.0	-						16.8S 177.2W, H: 05 29 12.1, h 33 km. Mb 5.2. Fiji Islands region.
18.	DBN: eL F	23	42								20.0N 98.5E, H: 23 01 58.8, h 33 km. Mb 5.1. Burma.
19.	WIT: eP HEE: iP	02	54	59.5	+						53.0N 159.7E, H: 02 43 36.6, h 41 km. Mb 5.3, Ms 4.0. Near east coast of Kamchatka.
19.	WIT: iP HEE: iP e	03	26	57.9	+						47.0N 151.9E, H: 03 15 21.1, h 119 km. Mb 5.5. Kuril Islands
19.	DBN: eP ePP eSKS ePS eSPP eSS eL F HEE: ePP	03	51	38		22		5.3		6.1	34.8S 81.8E, H: 03 37 11.7, h 33 km. Mb 6.0, Ms 6.1. Amsterdam-Naturaliste Ridge.
19.	DBN: iP ipP ePP eS esS eSS eL F WIT: iP HEE: eP	18	06	39	+	7	1.1				41.9N 142.7E, H: 17 54 37.0, h 47 km. Mb 5.5, Ms 5.8. Hokkaido, Japan region.
		18	06	56	+						
		18	09	41							
		18	16	37							
		18	17	08							
		18	22.0								
		18	31								
		20.8				22			8.5	6.1	
		18	06	35.2	-						
		18	06	43.0	+						

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
SEPTEMBER 1975											
19.	DBN:eL F	22	00								56.8N 34.2W, H: 21 49 40.9, h 33 km. Mb 4.5, Ms 3.6. North Atlantic Ocean.
19.	WIT:e PKP HEE:e PKP	23	23	25.0	-						ISC: 16.9S 178.1W, H: 23 03 58.7, h 33 km. Fiji region.
19.	DBN:eL F WIT:ePKP HEE:ePKP	24 01	14 31								6.4S 154.9E, H: 23 15 34.0, h 47 km. Mb 5.4, Ms 5.6. Solomon Islands.
20.	WIT:iP HEE:iP	05	27	18.8	-						34.7N 26.3E, H: 05 22 20.4, h 70 km. 4.6. Crete
20.	DBN: eL F HEE:eP	05 06	53 00								36.2N 30.7E, H: 05 40 19.6, h 33 km. Mb 4.1. Turkey.
20.	DBN: eL F	06 07	59 17								6.7S 68.3E, H: 06 11 50.0, h 33 km. Mb 5.4. Chagos Archipelago region.
20.	DBN: eL F	01 02	47 00								No determination of epicenter.
21.	DBN: iP eS eL F WIT:iP e HEE:iP i	13 13 13	25 36 53	32 08	+	7	1.8				14.7N 93.9W, H: 13 13 02.1, h 33 km. Mb 5.4, Ms 5.4. Near coast of Chiapas, Mexico.
						19			1.7	5.4	
											in next shock
		13	25	35.8							
		13	25	44.0							
		13	25	35.0	+						
		13	25	44.5	-						
21.	DBN: eL F WIT:eP HEE:eP	14 15	37 16								31.6N 51.0E, H: 14 16 37.8, h 33 km. Mb 5.2, Ms 5.0. Iran
21.	HEE:eP	20	11	57.5							38.3N 40.6E, H: 20 06 09.4, h 33 km. Mb 4.4. Turkey.
22.	DBN: iP iS eL F WIT:iP e e HEE:iP	00 00 00 01	49 53 56.0 26	53 56	-	4	0.8				35.3N 26.2E, H: 00 44 57.7, h 63 km. Mb 5.3. Crete.
		00	49	50.8	-						
		00	49	56.5	+						
		00	50	08.0							
		00	49	42.0	-						

SEISMOLOGICAL BULLETIN



Date SEPTEMBER 1975	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
24.	DBN: eL F WIT: eP HEE: eP	23 23 22 22	32 59 57 57	 39.5 48.0						29.2N 129.5E, H: 22 45 07.7, h 24 km. Mb 5.3. Ryukyu Islands.	
25.	HEE: ePKP	23	19	05.0	+					18.1S 178.6W, H: 23 00 29.0, h 608 km. Mb 5.1. Fiji Islands region.	
25.	DBN: eL F	01 01	03 33							29.4N 129.5E, H: 00 19 35.1 h 33 km. Mb 5.1, Ms 4.8. Ryukyu Islands.	
25.	DBN: eL F	04 04	14 44							29.3N 129.3E, H: 03 28 52.0, h 33 km. Mb 5.0, Ms 4.5. Ryukyu Islands.	
25.	WIT: iPKP HEE: iPKP epPKP	08 08 08	40 40 42	34.2 40.0 51.5	+					18.5S 177.9W, 08 21 59.5, h 591 km. Mb 4.8. Fiji Islands region.	
26.	HEE: iP e	22 22	01 01	49.5 56.5	-					7.3N 78.1W, H: 21 49 37.5, h 33 km. Mb 5.2, Ms 4.4. Panama	
28.	WIT: ePKP HEE: ePKP	04 04	14 14	37.0 41.5						18.0S 178.4W, H: 03 56 05.2, h 612 km. Mb 5.3. Fiji Islands region.	
28.	DBN: eL F	16 16	03 13							8.2N 102.6W, H: 15 15 46.1, h 33 km. Mb 4.4, Ms 4.3. Off coast of Mexico.	
29.	DBN: eL F	12 12	40.0 49							39.3N 73.8E, H: 12 14 12.6, h 57 km. Mb 4.9. Tadzhik-Sinkiang border region	
29.	DBN: eL F	14 in next shock	23							18.3N 96.4E, H: 13 42 47.1, h 64 km. Mb 5.1. Burma	
29.	DBN: eSS eL F HEE: ePP	15 15 17.0 14	10 28 17.0 55	48 21.0		20		8.0	6.3	0.5S 124.7E, H: 14 36 21.9, h 23 km. Mb 5.7, Ms 6.1. Molucca Sea.	
29.	WIT: ePKP2 e HEE: ePKP	19 19 19	09 09 09	13.5 33.5 04.5						25.1S 175.6W, H: 18 49 06.4, h 33 km. Mb 5.4. South of Tonga Islands.	

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
SEPTEMBER 1975											
30.	WIT: eP epP HEE: iP epP	04	03	56.0	-						9.6S 74.7W, H: 03 50 59.3, h 135 km. Mb 5.8. Peru.
30.	DBN: eL F	19 20	14 03			17		3.0	5.8		4.9S 102.2E, H: 18 17 49.5, h 33 km. Mb 5.6, Ms 6.0. Southern Sumatra.

SEISMOLOGICAL BULLETIN



Date OCTOBER 1975	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms	
		h	m	s			Z	NS	EW			
1.	DBN: iP	03	43	33	+	19			66	7.1	4.9S 102.2E, H:03 29 58.9, h 33 km. Mb 6.2, Ms 7.0. Southern Sumatra.	
	iPP	03	47	40								
	iSKS	03	54	14								
	iS	03	55	00								
	iPS	03	56	28								
	eSS	04	02.0									
	eL	04	11									
	F	07.5										
	WIT: eP	03	43	33.5								
	ePP	03	47	44								
	HEE: eP	03	43	34.5								+
e	03	43	43.0									
ePP	03	47	45									
2.	WIT: iP	11	18	39.6	+						43.2N 145.9E, H: 11 06 46.5, h 75 km. Mb 5.8. Hokkaido, Japan region.	
	HEE: iP	11	18	49.0								
2.	WIT: iPKP	18	59	20.9	-						18.0S 178.5W, H: 18 40 49.2, h 617 km. Mb 5.1. Fiji Islands region.	
	HEE: iPKP	18	59	25.5								
3.	DBN: iP	05	23	15	-	20		90		6.8	30.3N 66.3E, H: 05 14 23.3, h 11 km. Mb 5.8, Ms 6.7. Pakistan	
	iPP	05	25	12								
	iPPP	05	26	12								
	iS	05	30	24								
	eSS	05	34.1									
	eL	05	38.0									
	F	08.0										
HEE: eP	05	23	15.0									
3.	DBN: eL	10	39		-						51.5N 175.0E, H: 09 53 22.6, h 13 km. Mb 5.2, Ms 5.2. Rat Islands, Aleutian Islands.	
	F	11	06									
	HEE: iP	10	05	20.5								
3.	DBN: iS	17	47	29		17		46.5		6.5	30.4N 66.4E, H: 17 31 35.8, h 33 km. Mb 5.7, Ms 6.4. Pakistan	
	eSS	17	51.1									
	eL	17	55.3									
	F	19.9										
	HEE: eP	17	40	17.5								
3.	WIT: eP	18	38	05.5	-						64.4N 17.3W, H: 18 34 08.0, h 33 km. Mb 5.4. Iceland.	
	HEE: eP	18	38	20.0								+
	i	18	38	23.0								
	e	18	38	35.0								
4.	DBN: eL	05	00								No determination of epicenter.	
	F	05	49									
4.	HEE: ePKP	20	20	04.5	+						ISC: 15.2S 173.4W, H: 20 00 27.2, h 0 km. Mb 4.8. Tonga.	

SEISMOLOGICAL BULLETIN



Date OCTOBER 1975	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
4.	HEE: eP	20	27	40.5						33.7N 142.1E, H: 2014 54.0, h 18 km. Mb 5.0. Off east coast of Honshu, Japan	
4.	DBN: eL F	22	08							6.4N 82.7W, H: 21 27 59.6, h 33 km. Mb 5.3. South of Panama.	
	HEE: eP	21	40	31.0							
4.	DBN: iS eL F	23	35	14						6.4N 82.5W, H: 23 12 25.5, h 33 km. Mb 5.3, Ms 5.8. South of Panama.	
		23	49.0								
	F	01.0									
	HEE: eP	23	24	56.5							
5.	WIT: ePKP HEE: ePKP	16	20	59.0	-					18.9S 174.3W, H: 16 01 20.9, h 33 km. Mb 5.1. Tonga Islands.	
		16	21	04.0							
5.	DBN: eL F	16	24							6.2N 127.1E, H: 15 31 12.8, h 66 km. Mb 5.5. Philippine Islands region.	
		17.0									
6.	HEE: eP	05	38	11.0						33.5N 142.0E, H: 05 25 24.2, h 21 km. Mb 4.9. Off east coast of Honshu, Japan.	
6.	WIT: iPKP e	10	11	16.8	-					25.4S 179.9W, H: 09 52 16.8, h 492 km. Mb 5.3. South of Fiji Islands.	
		10	11	27.5	+						
	HEE: iPKP ₂	10	11	37.0	-						
6.	HEE: eP	21	32	47.0						34.2N 25.1E, H: 21 27 55.9, h 38 km. Mb 4.2. Crete	
6.	HEE: iP e	22	29	27.0	-					44.5N 56.8W, H: 22 21 41.3, h 33 km. Mb 5.2. North Atlantic Ocean.	
		22	29	33.5							
6.	DBN: iPKP iPP iPPP eSS eSSS eL F	22	43	27	-					12.5S 166.5E, H: 22 24 16.2, h 54 km. Mb 6.6, Ms 7.0. Santa Cruz Islands.	
		22	46	20							
		22	49	20							
		23	05.0								
		23	09.8								
		23.4									
	F	03.0				22	55		7.3		
	WIT: ePKP e e	22	43	36.5							
		22	43	52.0							
		22	46	35							
	HEE: ePKP e i	22	43	37.0							
		22	44	40.0							
		22	46	47.0							

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
OCTOBER 1975	7. DBN: iP	08	37	59	+	7	4.7			6.6	0.9N 26.8W, H: 08 28 09.5 h 33 km. Mb 6.2, Ms 6.7. Central Mid-Atlantic Ridge.
	iPPP	08	41	31							
	iS	08	46	02							
	eL	08	52.2			20		44.5			
	F	11.5									
	WIT: iP	08	38	06.2	+						
	i	08	38	15.8	+						
	HEE: iP	08	37	54.0	+						
	i	08	38	03.5							
	7. DBN: iS	13	36	36							
eL	13	44.5									
F	14.4										
HEE: iP	13	28	30.0	+							
8. DBN: eL	08	34								28.2N 55.7E, H: 08 15 50.0, h 51 km. Mb 5.3. Southern Iran	
F	09	12									
HEE: iP	08	23	51.0	-							
i	08	23	56.0	+							
8. DBN: eL	11	18								13.9N 120.2E, H: 10 27 36.7, h 68 km. Mb 5.3. Mindoro, Philippine Islands.	
F	12	00									
8. HEE: ePKP	17	37	17.0							17.6S 173.9W, H: 17 17 40.7, h 65 km. Mb 4.9. Tonga Islands.	
8. HEE: eP	22	00	08.5							32.7N 130.7E, H: 21 47 56.8, h 155 km. Mb 4.9. Kyushu, Japan.	
9. DBN: eL	14	24								12.3S 78.0W, H: 13 34 15.5, h 33 km. Mb 5.4. Off coast of Peru.	
F	15	01									
10. WIT: iP	06	09	02.5	-						22.2S 179.6W, H: 05 50 17.3, h 575 km. Mb 5.0. South of Fiji Islands.	
HEE: ePKP	06	09	06.0								
e	06	09	16.5	-							
10. DBN: eL	17	03								13.0S 166.1E, H: 15 47 18.3, h 33 km. Mb 5.1, Ms 5.6. New Hebrides Islands.	
F	17	27									
11. DBN: eL	08	31								3.4S 148.6E, H: 07 29 49.4, h 33 km. Mb 5.2, Ms 5.4. Bismarck Sea.	
F	09	17									

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
OCTOBER 1975	11. WIT: eP	14	53	55.5							18.3N 102.0W, H: 14 41 13.6, h 63 km. Mb 4.9. Michoacan, Mexico.
	HEE: eP	14	53	53.5							
	e	14	54	02.5	+						
11.	DBN: iPKP	14	55	06	+	8	47.0				24.9S 175.1W, H: 14 35 15.0, h 9 km. Mb 7.0, Ms 7.8. South of Tonga Islands.
	iPP	14	58	52							
	eSKKS	15	05	44							
	iPPP	15	08	39							
	eSPP	15	11	50							
	eSS	15	18.2								
	eSSS	15	24.0								
	eL	15	54			20			150	7.8	
	F	20.9									
	WIT: iPKP	14	55	05.0	+						
	HEE: ePKP	14	55	07.0	+						
	i	14	55	15.0	+						
	i	14	55	31.0	+						
ePP	14	59	08.0								
11.	WIT: ePKP	15	14	51.0							24.0S 175.4W, H: 14 55 00.3, h 33 km. Mb 6.1. South of Tonga Islands.
	HEE: ePKP	15	14	48.0	-						
	i	15	14	56.0	-						
	i	15	15	06.5	+						
11.	DBN: eL	19	00								3.3S 148.5E, H: 18 00 59.6, h 33 km. Mb 5.7. Bismarck Sea.
	F	20.9									
	WIT: ePKP	18	19	56.5							
HEE: ePKP	18	19	57.0								
12.	DBN: eL	08	33.6								37.9N 23.1E, H: 08 23 10.7, h 24 km. Mb 4.9. Southern Greece.
	F	08	43								
	WIT: eP	08	27	32.0							
	HEE: eP	08	27	21.5							
12.	HEE: ePKP ₂	16	22	22.5	+						27.9S 178.6W, H: 16 02 34.4, h 326 km. Mb 4.2. Kermadec Islands region.
13.	DBN: eL	12	23								0.9S 22.1W, H: 11 57 40.2, h 33 km. Mb 5.0 Central Mid-Atlantic Ridge.
	F	13	10								
13.	WIT: ePKP	21	11	14.0							24.8S 175.4W, H: 20 51 20.2, h 35 km. Mb 5.5. South of Tonga Islands.
	HEE: ePKP	21	11	18.0							
13.	DBN: eL	23	44								24.9S 175.3W, H: 22 12 37.5, h 33 km. Mb 5.2. South of Tonga Islands.
	F	24	03								
	WIT: ePKP	22	32	40.5							
	HEE: ePKP	22	32	36.0							
	e	22	32	46.5							

SEISMOLOGICAL BULLETIN



Date OCTOBER 1975	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
14.	HEE: ePKP ₂	03	21	18.5						30.1S 177.2W, H: 03 00 43.5, h 107 km. Mb 4.5. Kermadec Islands.	
14.	DBN: eL F	20 21	34 31							24.7S 176.2W, H: 19 12 05.9, h 112 km. Mb 5.1. South of Fiji Islands.	
	WIT: ePKP	19	31	51.5	+						
	HEE: ePKP	19	31	54.5	+						
15.	DBN: eL F	01 02	51 16							No determination of epicenter.	
15.	DBN: eL F	15 15	40 55							29.2N 130.0E, H: 14 52 21.0 h 12 km. Mb 5.2. Ryukyu Islands.	
16.	DBN: eL F	04 05	59 50							24.8S 175.6W, H: 03 37 42.5, h 33 km. Mb 5.4, Ms 5.0. South of Tonga Islands.	
	WIT: ePKP	03	57	36.0							
	e	03	57	44.0							
	HEE: ePKP	03	57	39.0							
17.	WIT: iPKP	02	18	20.5	-					23.3S 179.1E, H: 01 59 30.2, h 540 km. Mb 5.0. South of Fiji Islands.	
	HEE: iPKP	02	18	24.0	-						
	i	02	18	36.0	+						
17.	DBN: ePP ipPP ipPPP iSP eSPP eL F	03 03 03 04 04 04 05.5	51 52 54 00 02 29	26 06 39 59 16						7.5S 128.7E, H: 03 31 52.2, h 109 km. Mb 6.3. Banda Sea.	
	WIT: ePKP	03	50	22.0	+						
	ePP	03	51	25.5							
	ePKKP	04	01	05.5	+						
	HEE: iPKP	03	50	24.0	+						
	iPP	03	51	30.0							
	eSP	04	00	54.5							
	e	04	01	36.0							
17.	DBN: eL F	05 06	42 04							No determination of epicenter.	
17.	WIT: ePKP	16	31	42.0	-					19.1S 175.7W, H: 16 12 30.4, h 267 km. Mb 4.9. Tonga Islands.	
	HEE: iPKP	16	31	46.5	-						

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
OCTOBER 1975	DBN: eL	18	38								42.4N 144.9E, H: 17 58 11.6, h 45 km. Mb 5.2, Ms 4.0. Hokkaido, Japan region.
	F	19	00								
17.	DBN: eP	19	50	14	+	20	8.7	2.0	5.4		57.4N 149.0W, H: 19 39 12.5, h 33 km. Mb 5.7, Ms 5.5. Gulf of Alaska.
	eS	19	59	20							
	eL	20	12								
	F	21	16								
	WIT: eP	19	50	13.0							
	i	19	50	23.0							
	HEE: eP	19	50	23.5							
e	19	50	26.5								
18.	DBN: iP	09	05	56.5	+	2.5	8.7				70.8N 53.7E, H: 08 59 56.3, h 0 km. Mb 6.7, Ms 5.1. Novaya Zemlya.
	eS	09	10	45							
	eL	09	14.3								
	F	09	54								
	WIT: iP	09	05	46.7							
	iPcP	09	09	05.5							
	eL	09	13								
	HEE: iP	09	06	02.5							
	iPcP	09	09	09.0							
eL	09	14									
18.	HEE: e	09	38	08.0							No determination of epicenter.
19.	WIT: iPcP	08	01	55.8	+						17.9S 178.4W, H: 07 43 23.6, h 590 km. Mb 4.7. Fiji Islands region.
	HEE: ePKP	08	02	01.5							
19.	WIT: ePKP	14	48	06							24.0S 175.9W, H: 14 28 17.3, h 43 km. Mb 5.1, Ms 4.7. South of Tonga Islands.
	HEE: ePKP	14	48	06.5							
	e	14	48	16							
19.	WIT: eP	20	44	55.0							33.3N 142.0E, H: 20 32 16.7, h 34 km. Mb 5.0. Off east coast of Honshu, Japan.
	HEE: eP	20	45	02.0							
19.	DBN: eL	23	44								7.3N 82.6W, H: 23 01 17.5, h 33 km. Mb 4.6, Ms 3.9. South of Panama.
	F	24	06								
20.	DBN: eL	02	46								56.3S 25.7W, H: 01 48 37.5, h 64 km. Mb 5.4. South Sandwich Islands region.
	F	02	55								

SEISMOLOGICAL BULLETIN



Date OCTOBER 1975	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
20.	DBN: ePKP	22	45	00						16.3S 177.4W, H: 22 25 29.0, h 33 km. Mb 5.7, Ms 6.5. Fiji Islands region.	
	iZ	22	46	12							
	iPP	22	48	08							
	iSPP	23	00	56							
	eSS	23	07	16							
	eSSS	23	12.5								
	eL	23	33			20		8.9	6.5		
	F	01.3									
	WIT: ePKP	22	45	04.0							
	HEE: iPKP	22	45	04.0	-						
e	22	49	43.0								
21.	DBN: iP	12	06	07.5	+	3	2.4			73.4N 55.1E, H: 11 59 57.3, h 0 km. Mb 6.5. Novaya Zemlya.	
	eL	12	14.5								
	F	12	52								
	WIT: iP	12	05	57.7	+						
	eL	12	13								
	HEE: iP	12	06	14.5	+						
	iPcP	12	09	13.5							
	eL	12	14								
21.	DBN: eS	17	37	03						11.7N 121.8E, H: 17 12 23.7, h 33 km. Mb 5.6, Ms 6.1. Panay, Philippine Islands.	
	eSS	17	43.6								
	eL	18	00			22		17.2	6.5		
	F	19.7									
	HEE: eP	17	25	51.5							
21.	DBN: iPP	20	51	20						12.5S 166.5E, H: 20 29 17.3, h 67 km. Mb 5.4. Santa Cruz Islands.	
	eSS	21	09.5								
	eL	21	35								
	F	22	40								
	WIT: ePKP	20	48	34.0							
	HEE: ePKP	20	48	36.5							
	e	20	48	51.0							
21.	WIT: e	23	07	32.0						No determination of epicenter.	
	HEE: e	23	07	31							
21.	DBN: eL	23	12							11.6N 121.6E, H: 22 23 06.3, h 33 km. Mb 5.4 Panay, Philippine Islands.	
	F	in next shock									
21.	DBN: eP	23	19	52	+					11.7N 121.6E, H: 23 06 22.8, h 33 km. Mb 5.6, Ms 6.3. Panay, Philippine Islands.	
	eL	23	52								
	F	01.8									
	HEE: eP	23	19	51.5							
22.	DBN: eS	16	24	44						11.6N 121.7E, H: 15 59 48.6, h 33 km. Mb 5.4, Ms 5.8. Panay, Philippine Islands.	
	eL	16	47			23		10.0	6.3		
	F	17.9									
	HEE: eP	16	13	16.0							

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
OCTOBER 1975											
22.	DBN: eL F HEE: eP	21	37 41 16	02.5							45.1N 100.1E, H: 21 06 00.9, h 33 km. Mb 4.6. Mongolia.
23.	DBN: eL F WIT: eP HEE: eP	02	07 19 32 32	26.0 26.0	-						17.2N 93.3W, H: 01 20 03.5, h 33 km. Mb 5.1., Ms 4.7. Chiapas, Mexico.
23.	DBN: eL F HEE: ePKP	06	03 22 10	15.0	-						14.9S 172.7W, H: 04 50 43.1, h 38 km, Mb 5.4, Ms 5.2. Samoa Islands.
24.	DBN: eS eL F HEE: eP e	05	30 37.5 00 22 22	24 28.0 31.5							7.2N 36.2W, H: 05 12 51.2, h 33 km. Mb 4.8, Ms 4.4. Central Mid-Atlantic Ridge.
24.	HEE: eP	17	34	16.5							47.4N 10.5E, H: 17 33 07.1, h 19 km. Austria.
25.	HEE: eP	11	07	54.5							41.5N 142.0E, H: 10 55 50.2, h 70 km. Mb 5.2. Hokkaido, Japan region.
25.	HEE: e	14	34	20.5							32.9N 137.8E, H: 14 20 52.8, h 341 km. Mb 5.1. South of Honshu, Japan.
26.	DBN: eL F WIT: eP HEE: eP	07	18 30 10 10	09.5 06.5							40.0N 35.0E, H: 07 05 03.1, h 33 km. Mb 4.6. Turkey.
26.	DBN: eP ePP eSKS ePS eSS eL F WIT: eP e e HEE: eP i e e	10	55 59 06 09 14.0 29 13.3 55 55 59 55 55 59	28 44 10 00 14.0 29 24.5 38.0 15 30.5 34.5 42.0 19.0		20		12.4	6.4		6.6N 126.8E, H: 10 41 31.9, h 50 km. Mb 5.8, Ms 6.1. Mindanao, Philippine Islands.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
OCTOBER 1975											
27.	DBN: eL F	14 15	55 06								37.2N 78.1E, H: 14 27 13.6, h 33 km. Mb 5.1. Southern Sinkiang Prov., China
27.	DBN: eP ePKP ePPP eSKS eSKKS eSSS eL F HEE: eP e	18 18 18 18 18 19 19 21.3 18 18	40 44 47 51 52 04.5 16 40 40	42 54 32 26 24 39 43.5		19		7.3	6.2		8.1N 126.7E, H: 18 26 44.6, h 33 km. Mb 5.5, Ms 5.9. Mindanao, Philippine Islands.
27.	DBN: eS eL F WIT: eP HEE: eP	23 23 24 23 23	50 59 58 30 30	36 41.5 46.0							21.5N 101.7E, H: 23 18 53.6, h 33 km. Mb 5.1. Burma-China border region.
28.	WIT: eP HEE: eP	05 05	53 53	05.5 09.5							8.7N 94.1E, H: 05 40 42.3, h 33 km. Mb 5.0. Nicobar Islands region.
28.	DBN: iP ipP ePP ePPP eSKS eS iSP eSS eL F WIT: iP ipP HEE: iP ipP	07 07 07 07 07 07 07 07 07 09.9 07 07 07 07	08 08 12 14 18 19 21 26.3 37 08 08 08 08	02 12 08 18 36 44 00 08.8 18.9 03.0 13.5	+ - +	21		7.3	6.2		22.9S 70.5W, H: 06 54 22.4, h 38 km. Mb 5.9, Ms 6.3. Near east coast of northern Chile.
28.	DBN: iP eL F WIT: iP HEE: iP	14 15 16 14 14	41 12 05 41 42	57.5 58.6 04.5	+ + +						37.3N 116.4W, H: 14 30 00.2, h 0 km. Mb 6.4, Ms 5.4. Southern Nevada.
28.	WIT: eP HEE: eP	23 23	46 46	35.5 28							38.7N 31.0E, H: 23 41 40.2, h 23 km. Mb 4.5. Turkey

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
OCTOBER 1975											
29.	WIT: iP e	04 04	55 56	04.1 40.5	+						50.0N 79.0E, H: 04 46 57.5 h 0 km. Mb 5.8. Eastern Kazakh SSR
	HEE: iP e	04 04	55 56	14.0 56.5	+						
29.	HEE: eP	05	06	41.0							17.2N 99.5W, H: 04 54 00.7, h 35 km. Mb 5.2. Guerrero, Mexico.
29.	DBN: e(P) eL F	05 05	15 48	00 06.4							4.1N 103.5W, H: 05 01 49.0, h 100 km. Mb 5.5. East central Pacific Ocean.
	HEE: eP e	05 05	15 15	20.0 30.0							
29.	HEE: ePKP	06	11	04.0							23.1S 175.6W, H: 05 51 08.2, h 48 km. Mb 4.9. Tonga Islands region.
29.	DBN: eL F	07 07	07								11.0S 78.1W, H: 06 18 42.3, h 58 km. Mb 5.5. Off coast of Peru.
	WIT: epP HEE: epP	06 06	32	20.5 13.0	-						
29.	HEE: ePKP i	06 06	50	23.0 36.0	+ -						17.1S 173.5W, H: 06 31 04.1, h 214 km. Mb 4.2. Tonga Islands.
30.	DBN: iP ipP iPP ipPP iS isS eSS eL F	01 01 01 01 02 02 02 02	53 53 56 56 03 04 08 18	32 50 33 53 29 09 40	+	7	1.2				42.0N 142.7E, H: 01 41 31.5, h 59 km. Mb 5.8. Hokkaido, Japan region.
	WIT: iP epP	01 01	53	26.5 43.5	+						
	HEE: iP epP	01 01	53	36.0 54.0	+						
30.	DBN: eL F	11 12	19 08								22.5S 173.8E, H: 10 04 43.9, h 22 km. Mb 5.4, Ms 5.5. Loyalty Islands region.
	HEE: ePKP	10	24	31.0							
30.	HEE: ePKP	11	11	14.0							ISC: 22.0 S 170.2E, H: 10 51 28, h 33 km. Loyalty Islands region.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
OCTOBER 1975											
	30.	DBN: eL F	13 14	05 00							12.5N 126.1E, H: 12 13 58.2, h 53 km. Mb 5.7.
	HEE: iP	12	27	31.5	+						Philippine Islands region.
31.	DBN: eP	08	41	32	+						12.5N 126.0E, H: 08 28 02.6, h 50 km. Mb 6.4, Ms 7.2.
	iZ	08	41	40	-						Philippine Islands region.
	iZ	08	42	37	-						
	iPP	08	45	24							
	iZ	08	49	50							
	iSKKS	08	52	34							
	eSS	08	59.5								
	eL	09	09			18	200			7.6	
	F	13.7									
	WIT: eP	08	41	30.5	+						
	i	08	41	36.0	-						
	ipP	08	41	44.0							
	eL	09	22								
	HEE: iP	08	41	36.5	+						
	i	08	41	41.5	-						
ipP	08	41	49.0	+							
ep'p'	09	06	24.0								
31.	WIT: ePKP	16	21	44.0							23.5S 180.0E, H: 16 02 50.7, h 515 km. Mb 5.2. South of Fiji Islands.

SEISMOLOGICAL BULLETIN



Date NOVEMBER 1975	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
1.	DBN: eL F	00	13							11.9N 125.6E, H: 23 20 21.0, h 50 km. Mb 5.3. Samar, Philippine Islands.	
1.	DBN: iP ePPP eS eL F WIT: eP e HEE: eP i	01 01 01 01	00 04 09 23	01 44 44 23	+	21		4.6	5.8	53.7N 163.4W, H: 00 48 23.4, h 25 km. Mb 5.7, Ms 5.7. Unimak Island region. in next shock	
1.	DBN: iP iZ iSP eSS eSSS eL F HEE: ePKP i ePKKP	01 01 01 01 01 02 01	35 36 44 50 54.5 01 04.4	52 32 50 42 54.5 01 04.4	-					13.8N 144.8E, H: 01 17 33.9, h 113 km. Mb 6.1. Mariana Islands.	
1.	DBN: iP ip is eSKKS F WIT: iP i ep HEE: e i ip e	06 06 06 06 06 06 06 06 06 06 06 06	33 35 36 43 08.3 33 33 35 33 33 35 44	47 28 12 18 08.3 46.5 59.5 32.0 49.0 51.5 35.5 34.5	+	8	1.3			18.5S 177.9W, H: 06 14 55.5, h 424 km. Mb 5.8. Fiji Islands region.	
1.	DBN: eL F	14 15	53 11							12.6N 125.9E, H: 13 57 55.2, h 51 km. Mb 5.1. Samar, Philippine Islands.	
1.	DBN: iP iZ eL F WIT: iP HEE: iP i i	19 19 19 19 19 19 19 19	00 00 50 20.7 00 00 00 00	06 20 50 20.7 05.0 09.0 20.5 37.5	+					17.3S 172.7W, H: 18 40 30.7, h 33 km. Mb 5.7, Ms 5.2. Tonga Islands region.	

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bolt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
NOVEMBER 1975											
2.	DBN: eL F	03 04	33 00								11.5N 126.5E, H: 02 39 40.4, h 50 km. Mb 5.3. Philippine Islands region.
2.	WIT: ePKP HEE: ePKP ePKP	06 06 06	40 40 40	42.0 48.0 54.5	+						ISC: 19.9S 178.4W, H: 06 22 06.3, h 613 km. Mb 4.8. Fiji region.
2.	WIT: iPKP HEE: iPKP e	06 06 06	52 52 53	50.7 55.5 01.5	+						19.7S 178.5W, H: 06 34 14.6, h 603 km. Mb 4.8. Fiji Islands region.
2.	DBN: eL F	10 10	48.6 53								68.5N 18.3W, H: 10 37 21.2, h 33 km. Mb 4.4. Iceland region.
2.	DBN: eL F HEE: eP	10 11 10	55.0 04 49	06.0							68.3N 19.5W, H: 10 44 19.8, h 33 km. Mb 4.5. Iceland region.
3.	DBN: eL F	06 07.0	23								41.5S 86.0W, H: 05 22 10.4, h 33 km. Mb 5.3, Ms 5.1. West Chile Rise.
4.	WIT: ePg e HEE: iPg i L	08 08 08 08 08	31 31 30 30 31	06.5 34 48.5 53.5 15							50.4N 8.8E, H: 08 30 12.8, h 26 km. Germany.
4.	WIT: iP HEE: eP e	12 12 12	17 17 17	22.0 32.5 49	-						54.4N 167.5E, H: 12 05 56.9, h 24 km. Mb 5.5, Ms 5.3. Komandorsky Islands region.
5.	WIT: eP HEE: iP i	02 02 02	11 11 11	08.0 04.5 10.5	+ + -						6.3N 76.9W, H: 01 58 54.4, h 44 km. Mb 5.4, Ms 5.0. Northern Colombia.
5.	HEE: eP	10	52	33.0							7.2N 94.4E, H: 10 40 05.9, h 30 km. Mb 5.2, Ms 4.9. Nicobar Islands region.
5.	WIT: e(P) HEE: e(P)	11 11	39 39	39.5 41							7.5N 94.4E, H: 11 27 05.9, h 22 km. Mb 5.2, Ms 4.8. Nicobar Islands region.
6.	DBN: eL F WIT: iP e HEE: eP	01 02.3 01 01 01	43 18 18 18	21.2 36.5 32.0	+ + +						51.9N 176.2E, H: 01 06 42.1, h 61 km. Mb 5.4. Rat Islands, Aleutian Islands.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
NOVEMBER 1975											
6.	DBN: eL F	10	40								27.4N 56.1E, H: 10 15 42.2, h 38 km. Mb 4.9. Southern Iran.
6.	DBN: eL F WIT: iP HEE: iP	13 14.5	25								12.5N 126.1E, H: 12 36 14.5, h 11 km. Mb 6.1, Ms 5.5. Philippine Islands region.
7.	HEE: eP	05	53	08.5							33.3N 95.3E, H: 05 42 32.3, h 33 km. Mb 5.2. Tsinghai Prov., China.
7.	HEE: iPg i(Sg) i i	08 08	50	20.0 24.0 27.0 00.0							Explosion Chemical Industry, distance to seismograph: 15.5 km.
8.	WIT: ePKP HEE: iPKP ePP	11 11 11	19	37.0 40.5 13.5							11.0S 166.1E, H: 11 00 24.5, h 77 km. Mb 5.7. Santa Cruz Islands.
8.	DBN: eL F WIT: eP e HEE: eP e ePP	15 16	48 12								6.6N 126.8E, H: 14 53 32.5, h 97 km. Mb 5.7. Mindanao, Philippine Islands.
8.	DBN: eL F WIT: iPKP i HEE: iPKP i	19 19.5	09								19.2S 176.8W, H: 17 52 41.2, h 123 km. Mb 4.9. Fiji Islands region.
9.	DBN: iPP eSKS iSP iSPP eL F WIT: eP e HEE: eP i e	20 20 21 21 21 22	52 58 00 01 17 24	21 56 56 36		19		10.0	6.3		13.8N 125.1E, H: 20 34 49.8, h 33 km. Mb 5.8, Ms 5.5. Philippine Islands region.

SEISMOLOGICAL BULLETIN



Date NOVEMBER 1975	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
10.	DBN: eL F	13	53								4.4S 105.6W, H: 13 02 57.1, h 33 km. Mb 4.9, Ms 5.1. Northern Easter Island Cordillera.
10.	DBN: eL F	16	33								4.0N 125.4E, H: 15 30 00.4, h 32 km. Mb 5.1. Talaud Islands.
11.	WIT: iP e HEE: iP e	04	36	36	-						46.7N 145.5E, H: 04 25 32.3, h 355 km. Mb 5.5. Sea of Okhotsk.
11.	DBN: eL F	07	45								1.7N 126.6E, H: 06 46 46.9, h 33 km. Mb 5.3. Molucca Passage.
11.	DBN: eL F WIT: eP e HEE: eP	09	34			18	3.0		5.6		41.7N 144.0E, H: 08 54 18.5, h 31 km. Mb 5.4, Ms 5.3. Hokkaido, Japan region.
11.	DBN: eL F	14	58								4.1N 125.4E, H: 14 01 45.4, h 34 km. Mb 5.1. Talaud Islands.
11.	DBN: eL F	22	55								4.1N 125.3E, H: 21 58 45.7, h 40 km. Mb 4.8, Ms 4.8. Talaud Islands.
12.	WIT: ePg HEE: ePg e	00	07	45.5							57.0N 7.3E, H: 00 06 14.4, h 33 km. North Sea
12.	WIT: ePKP HEE: ePKP	01	02	25.5							21.7S 170.3E, H: 00 42 58.3, h 134 km. Mb 4.9. Loyalty Islands region.
12.	DBN: eL F	07	43								4.1N 125.4E, H: 06 48 05.5, h 43 km. Mb 5.3, Ms 4.7. Talaud Islands.
12.	DBN: eP eS eL F WIT: eP epP HEE: iP ipP i	09	08	42	-						36.3N 28.2E, H: 09 03 49.5, h 68 km. Mb 5.2. Dodecanese Islands.

SEISMOLOGICAL BULLETIN



Date NOVEMBER 1975	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
12.	DBN: eL F HEE: eP	18 18 17	01.5 11 55	55.0	+					71.7N 2.4W, H: 17 51 11.2, h 33 km. Mb 4.9. Jan Mayen Island region.	
12.	DBN: eL F	18 19	52 26							4.1N 125.3E, H: 17 57 26.7, h 68 km. Mb 5.6. Talaud Islands.	
12.	DBN: eP eL F HEE: eP	22 22 22 22	06 11.5 19 06	10 16.0						71.7N 1.3W, H: 22 01 32.4, h 33 km. Mb 4.9. Jan Mayen Island region.	
12.	DBN: iP eL F HEE: iP	23 23 24 23	43 48.0 04 43	04 17.0	+					71.7N 2.5W, H: 23 38 33.7, h 33 km. Mb 5.0. Jan Mayen Island region.	
13.	WIT: ePKP HEE: ePKP	01 01	51 51	29 32						ISC: 17.6S 172.3W, H: 01 31 37, h 33 km. Mb 4.6. Tonga.	
13.	WIT: eP HEE: eP	03 03	05 05	28.5 40.0	+					54.4N 162.7W, H: 02 54 01.2, h 33 km. Mb 5.3. Alaska Peninsula.	
13.	DBN: eS eL F WIT: eP e HEE: iP	03 03 03 03 03 03	16 21.0 36 12 12 12	35 26.0 38.0 13.0	-					33.6N 22.9E, H: 03 07 26.6, h 33 km. Mb 5.1. Mediterranean Sea.	
13.	DBN: eL F	03 03	41.8 50							No determination of epicenter.	
13.	DBN: eL F	05 06	34 00							4.1N 125.4E, H: 04 45 22.1, h 72 km. Mb 5.3. Talaud Islands.	
13.	DBN: eL F	13 14	43 12							4.2N 125.4E, H: 12 46 01.9, h 66 km. Mb 5.0. Talaud Islands.	
13.	HEE: ePKP	14	01	35.0						18.5S 172.5W, H: 13 41 51.5, h 33 km. Mb 4.7. Tonga Islands region.	
13.	DBN: eL F WIT: ePKP HEE: ePKP	15 15 14 14	05 38 04 04	52.0 57.0						18.4S 172.7W, H: 13 45 13.9, h 33 km. Mb 4.9, Ms 5.2. Tonga Islands region.	

SEISMOLOGICAL BULLETIN



Date NOVEMBER 1975	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
13.	HEE: eP	16	00	31							50.3N 156.7E, H: 15 48 46.0, h 69 km. Mb 5.1. Kuril Islands.
13.	DBN: eL F	17	11								24.3N 121.6E, H: 16 25 03.3, h 66 km. Mb 5.2.
	HEE: eP	16	37	40.0							Taiwan.
13.	HEE: eP	19	22	26.5							10.9N 57.4E, H: 19 12 36.6, h 33 km. Mb 4.8. Carlsberg Ridge.
13.	DBN: eL F	19	59								44.6N 9.6E, H: 19 55 13.1, h 5 km.
	HEE: eP e	19	56	56.0	+						Northern Italy.
		19	57	02.5							
14.	DBN: eL F	10	10								40.6N 124.3W, H: 09 29 48.5, h 23 km. Mb 4.9, Ms 4.5.
	HEE: eP	09	41	52.5							Near coast of northern Cali- fornia.
14.	DBN: eL F	11	34								10.3N 103.6W, H: 10 50 10.5, h 33 km. Mb 5.2, Ms 5.0. Off coast of Mexico.
		12	08								
15.	DBN: eL F	00	40								No determination of epicenter.
		00	47								
15.	DBN: eL F	09	53								No determination of epicenter.
		10	10								
15.	DBN: iP iZ iS iSP eL F	15	41	08	-	5	2.2				18.2N 102.2W, H: 15 28 30.4, h 33 km. Mb 5.9, Ms 5.9. Michaocan, Mexico.
		15	41	19							
		15	51	40							
		15	52	39							
		16	10.0			22			3.8	5.8	
		17.0									
	WIT: eP e	15	41	12.5	-						
		15	41	22.0							
	HEE: iP i	15	41	14.0	-						
		15	41	23.0	-						
15.	DBN: eP iPP eSKS eL F	20	53	00	-						12.9N 125.9E, H: 20 39 25.9, h 11 km. Mb 6.1, Ms 6.0.
		20	57	04							
		21	03	52							Samar, Philippine Islands.
		21	24			20			8.9	6.3	
		22.9									
	WIT: eP e	20	53	08							
		20	53	24.0							
	HEE: eP ePP	20	53	02.5	-						
		20	57	00.0							

SEISMOLOGICAL BULLETIN

Date NOVEMBER 1975	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
16.	DBN: eL	13	08.4							44.7N 9.6E, H: 13 04 24.4, h 19 km. Mb 4.9, Ms 4.2. Northern Italy.	
	F	13	13								
	WIT: e(P)	13	06	43.0							
	eL	13	09.5								
	HEE: eP	13	06	04.0							
	i	13	06	06.0							
17.	DBN: eL	15	07							13.1N 125.9E, H: 14 13 49.8, h 26 km. Mb 5.5. Philippine Islands region.	
	F	15	37								
19.	DBN: eSS	04	13.0		20	2.0	5.8			6.8S 154.5E, H: 03 34 28.1, h 24 km. Mb 5.6. Solomon Islands.	
	eL	04	33								
	F	06.2									
	WIT: ePKP	03	53	34.5							
	HEE: ePKP	03	53	37.0							
19.	WIT: eP	04	52	17.0						82.0N 4.8W, H: 04 46 10.9, h 26 km. Mb 5.1, Ms 5.6. North of Svalbard.	
	HEE: eP	04	52	31.0	-						
	e	04	52	39.0							
19.	WIT: iPKP	06	37	24.5	+					24.0S 179.1E, H: 06 18 33.9, h 555 km. Mb 5.8. South of Fiji Islands.	
	ipPKP	06	39	34.0							
	HEE: ePKP	06	37	21.0	+						
	i	06	37	29.0	-						
	epPKP	06	39	37.5							
	i	06	39	46.0							
	i	06	39	52.0	-						
19.	DBN: eL	11	47							54.4N 161.3E, H: 11 06 27.5, h 62 km. Mb 5.5. Near east coast of Kamchatka.	
	F	12	00								
	WIT: iP	11	17	42.7	-						
	e	11	17	58.0							
	HEE: iP	11	17	54.0	-						
20.	WIT: iP	15	11	59.4						37.2N 116.4W, H: 15 00 00.1, h 0 km. Mb 6.0. Southern Nevada.	
	HEE: iP	15	12	05.0	+						
21.	DBN: eL	01	53							7.5N 77.6W, H: 01 15 00.8, h 36 km. Mb 5.8, Ms 5.4. Panama-Colombia border region.	
	F	02	34								
	WIT: eP	01	27	12.5							
	HEE: iP	01	27	09.0	+						
	i	01	27	13.5							
21.	WIT: iPKP	05	04	04.5						7.5S 127.1E, H: 04 45 36.4, h 116 km. Mb 5.1. Banda Sea.	
	HEE: ePKP	05	04	05.0							
22.	DBN: eL	03	27							8.1N 126.4E, H: 02 34 10.6, h 74 km. Mb 5.7. Mindanao, Philippine Islands.	
	F	04	03								
	HEE: eP	02	48	00							

SEISMOLOGICAL BULLETIN

Date NOVEMBER 1975	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
22.	DBN: eL F HEE: eP eL	10	14.4								40.0N 20.1E, H: 10 06 08.9, h 36 km. Mb 5.2, Ms 4.8. Greece-Albania border region.
22.	DBN: eL F	18	44.6								38.2N 21.4E, H: 18 35 05.8, h 33 km. Mb 4.5. Greece.
23.	DBN: eL F	01	40								6.3S 154.8E, H: 00 36 35.8, h 56 km. Mb 5.4. Solomon Islands.
23.	HEE: iPKP	09	58	40.0	+						18.8S 169.2E, H: 09 39 28.1, h 227 km. Mb 5.3. New Hebrides Islands.
23.	WIT: iP HEE: iP epP	23	13	50.1	-						41.2N 140.1E, H: 23 02 07.4, h 161 km. Mb 5.4. Hokkaido, Japan region.
24.	WIT: iPKP e HEE: ePKP	03	54	28.2	-						19.0S 172.7W, H: 03 34 49.0, h 33 km. Mb 5.2. Tonga Islands region.
24.	WIT: ePKP e HEE: ePKP e	05	56	17.5							19.0S 172.8W, H: 05 36 38.3, h 33 km. Mb 5.2. Tonga Islands region.
24.	DBN: eL F WIT: eP epP HEE: iP ipP	08	39								43.3N 147.5E, H: 07 58 03.0, h 43 km. Mb 5.7, Ms 5.1. Kuril Islands.
24.	WIT: eP	08	37	08.0							43.3N 147.6E, H: 08 25 06.9, h 33 km. Mb 4.9. Kuril Islands.
24.	DBN: eL F WIT: eP ipP HEE: eP	10	33								43.3N 147.6E, H: 09 51 46.0, h 36 km. Mb 5.3., Ms 5.0. Kuril Islands.
24.	DBN: eL F	15	35								6.4S 102.9E, H: 14 38 22.5, h 33 km. Mb 5.5, Ms 5.8. Southwest of Sumatra.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
NOVEMBER 1975											
25.	HEE: ePn eP** eL	06	18	50.0 59.0 20.1							46.3N 7.5E, H: 06 17 39.5, h 33 km. Switzerland.
25.	DBN: eSS eL F HEE: ePKP	08 09 10.9 08	45 05	56 18.0		22		5.0	6.2		9.2S 156.7E, H: 08 06 45.4, h 33 km. Mb 5.7, Ms 6.1. Solomon Islands.
25.	WIT: iPKP HEE: iPKP	14 14	33	42.6 47.5							21.1S 178.5W, H: 14 15 02.1, h 593 km. Mb 5.0. Fiji Islands region.
26.	DBN: eL F HEE: iP	00 01 00	52 14	38.0	-						13.6N 56.7E, H: 00 18 06.3, h 33 km. Mb 5.4, Ms 5.2. Socotra region.
27.	WIT: iPKP	11	21	28.8							17.8S 174.8W, H: 11 01 52.6, h 33 km. Mb 5.5, Ms 4.7. Tonga Islands.
27.	WIT: ePKP	15	42	32.0							18.3S 174.5W, H: 15 23 04.4, h 109 km. Mb 5.0. Tonga Islands.
28.	DBN: eL F	16 17	41	07							35.6N 141.9E, H: 15 54 21.3, h 52 km. Mb 4.9. Near east coast of Honshu, Japan.
28.	WIT: iPKP	17	04	14.7	+						17.7S 174.7W, H: 16 44 44.9, h 78 km. Mb 5.0. Tonga Islands.
29.	DBN: ePP eSKS eL F	02 02 03 04.9	35 42	36 12							11.9N 125.9E, H: 02 17 59.8, h 64 km. Mb 5.3. Samar, Philippine Islands.
29.	DBN: eSP eL F	11 11 12	15 41	48		20		2.7	5.8		57.8S 25.3W, H: 10 46 55.6, h 51 km. Mb 5.8, Ms 6.2. South Sandwich Islands region.
29.	DBN: eL F	14	28	in next shock							19.4N 155.1W, H: 13 35 40.5, h 8 km. Mb 5.8, Ms 5.1. Hawaii.
29.	DBN: iPP iSKS iS iPS iPPS iSS eL F	15 15 15 15 15 15 15 19.6	06 12 13 15 16 21	22 44 42 51 44 28		20		80	7.2		19.3N 155.0W, H: 14 47 40.4, h 5 km. Mb 6.0, Ms 7.1. Hawaii.(2 killed).

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
NOVEMBER 1975											
29.	DBN: eL F	16	47								7.6N 77.4W, H: 16 17 52.9, h 23 km. Mb 5.1 Panama-Colombia border region.
30.	DBN: eL F	04	50								5.1S 145.2E, H: 03 51 53.1, h 47 km. Mb 5.7. East Papua New Guinea region.
30.	WIT: eP HEE: eP	18	33	41.5							27.2N 100.3E, H: 18 22 22.5, h 18 km. Mb 5.0. Yunnan Province, China.
30.	DBN: eP iZ iPPP iS iSP eSS eL F WIT: eP e HEE: eP	20	42	00	+						52.6N 167.2W, H: 20 30 17.0, h 24 km. Mb 5.7, Ms 6.3. Fox Islands, Aleutian Is.
		20	42	08	-						
		20	46	40							
		20	51	48							
		20	52	24							
		20	56	37							
		21	02			20			15.2	6.3	
		24.0									
		20	41	57.0	+						
		20	42	18.0							
		20	42	07.5							

SEISMOLOGICAL BULLETIN

Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
DEC. 1975	DBN:eL	13	00								12.6N 126.0E, H: 12 06 57.4, h 30 km. Mb 5.6, Ms 5.0. Philippine Islands region.
	F	13	20								
	HEE:eP	12	20	33.5							
3.	DBN:eL	08	00								43.2N 145.7E, H: 07 14 32.4, h 76 km. Mb 5.3. Hokkaido, Japan region.
	F	08	10								
	WIT:eP	07	26	25.0							
	HEE:eP	07	26	35.0	+						
3.	DBN:eL	12	28								21.2S 11.6W, H: 11 48 41.5, h 33 km. Mb 5.5, Ms 5.2. South Atlantic Ridge.
	F	12	36								
5.	WIT:e	10	03	44.5							No determination of epicenter.
	HEE:i	10	03	24.5	-						
	i	10	03	40.0	+						
5.	HEE:ePP	14	45	55.5							6.3S 124.8E, H: 14 27 19.8, h 576 km. Mb 5.7. Band Sea.
5.	DBN:eP	20	26	16	-						43.6N 146.4E, H: 20 14 18.2, h 68 km. Mb 5.8. Kuril Islands.
	eL	20	54								
	F	21	26								
	WIT:iP	20	26	10.5							
	e	20	26	36.0							
	HEE:iP	20	26	20.5							
6.	DBN:eS	05	36	52							17.4N 119.7E, H: 05 13 11.7, h 19 km. Mb 5.8. Philippine Islands region.
	eL	06	00								
	F	06	40								
	WIT:eP	05	26	08.0							
	HEE:eP	05	26	15.0							
7.	HEE:ePKP	04	13	31.0							ISC: 18.1S 173.0W, H: 03 53 44, h 12 km. Tonga region.
7.	DBN:eL	04	59								4.5S 153.4E, H: 04 02 18.5, h 40 km. Mb 5.7, Ms 5.8. New Ireland region.
	F	06	23								
	WIT:ePKP	04	21	20.0							
	HEE:ePKP	04	21	26.0							
7.	DBN:eL	10	31								29.5N 130.7E, H: 09 43 58.3, h 25 km. Mb 4.9, Ms 4.8. Ryukyu Islands.
	F	10	48								
8.	DBN:eP	22	58	44							79.1N 2.2E, H: 22 53 01.5, h 33 km. Mb 5.2, Ms 5.2, Greenland Sea.
	eS	23	03	32							
	eL	23	05.6			18			3.4	5.0	
	F	24.0									
	WIT:eP	22	58	38.0	+						
	HEE:eP	22	58	54.0	+						

SEISMOLOGICAL BULLETIN



Date DEC. 1975	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
9.	DBN: esS eL F WIT: eP HEE: eP	01 02.3 02.6 01 01	51 36 36	00 21.0 25.0	+ +					6.1N 123.7E, H: 01 23 26.9, h 548 km. Mb 5.7. Mindanao, Philippine Islands.	
9.	DBN: iPKP ePP eSS eSSS eL F WIT: iPKP HEE: iPKP	09 09 09 10 10 12.1 09 09	34 37 56 01 21 34 34	12 26 16 28 15.0 12.5	+ + + + +	6 22	1.4 7.6		6.4	14.8S 173.0W. H: 09 14 40.6, h 33 km. Mb 6.0, Ms 6.2. Samoa Islands region.	
9.	WIT: iPKP HEE: iPKP	13 13	52 52	33.7 39.0	+ +					18.0S 178.6W, H: 13 34 04.1, h 635 km. Mb 5.1. Fiji Islands region.	
10.	DBN: eL F WIT: eP e HEE: eP	03 04 03 03	55 28 35 35	21.5 26.5 26.5						33.0N 76.1E, H: 03 26 08.4, h 21 km. Mb 5.4, Ms 5.0. Kashmir-India border region.	
10.	WIT: eP HEE: iP	18 18	17 17	31.5 22.0	+ +					34.2N 25.8E, H: 18 12 28.7, h 52 km. Mb 5.1. Crete.	
11.	DBN: eL F	07 07	05 26							50.1N 129.9W, H: 06 28 35.5, h 33 km. Mb 4.7, Ms 4.5. Vancouver Island region.	
11.	DBN: eL F	07 07	43 57							50.2N 129.8W, H: 07 03 13.8, h 22 km. Mb 4.8, Ms 4.5. Vancouver Island region.	
11.	DBN: eL F	10 10	29 52							No determination of epicenter.	
11.	WIT: iP HEE: iP	16 16	55 55	04.7 14.5	+ +					44.8N 149.0E, H: 16 43 14.0, h 67 km. Mb 5.6. Kuril Islands.	
11.	WIT: eP e HEE: iP e	20 20 20 20	30 30 30 30	16.0 42.0 12.0 37.5	- - - +					11.6S 74.6W, H: 20 17 08.1, h 98 km. Mb 6.0. Peru.	
12.	DBN: eL F	09 09	07 25							12.0N 125.8E, H: 08 12 50.8, h 53 km. Mb 5.3. Samar, Philippine Islands.	

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
DEC. 1975											
12.	DBN:eL F	14	18								12.0S 166.4E, H: 13 08 53.9, h 53 km. Mb 5.3, Ms 5.3. Santa Cruz Islands.
13.	HEE:eP	05	05	11.5							49.8N 78.2E, H: 04 56 57.3, h 0 km. Mb 5.1. Eastern Kazakh SSR.
14.	DBN:eL F	00	59								65.2S 179.9W, H: 23 36 48.0, h 33 km. Mb 5.3. South Pacific Cordillera.
14.	DBN:eL F HEE:eP	21	40								9.8N 122.6E, H: 20 49 10.1, h 14 km. Mb 5.7. Negros, Philippine Islands.
14.	WIT:eP HEE:eP ePP	23	25	23.0							14.6N 42.2E, H: 23 16 47.6, h 33 km. Mb 5.3. Western Arabian Peninsula.
14.	WIT:eP HEE:iP ePP	23	35	59.0	-						14.7N 42.3E, H: 23 27 25.9, h 33 km. Mb 5.3. Western Arabian Peninsula.
15.	WIT:ePKP HEE:ePKP i	01	28	25.0							17.9S 176.5W, H: 01 08 50.5, h 77 km. Mb 5.1. Fiji Islands region.
15.	WIT:ePKP2 HEE:ePKP2	04	44	28.5							29.0S 178.6W, H: 04 24 28.8, h 200 km. Mb 5.2. Kermadec Islands.
15.	DBN:eP iS eL F HEE:eP i	13	47	55							0.6N 26.1W, H: 13 38 06.0, h 33 km. Mb 5.5, Ms 5.5. Central Mid-Atlantic Ridge.
16.	WIT:iPKP HEE:ePKP e	02	24	10.3	-						20.3S 177.9W, H: 02 05 26.8, h 550 km. Mb 4.5. Fiji Islands region.
16.	DBN:eL F	04	07.0								66.5N 18.0W, H: 03 57 10.8, h 10 km. Mb 4.5. Iceland region.
16.	DBN:eL F	10	23.0								66.3N 17.8W, H: 10 13 12.0, h 20 km. Mb 4.5. Iceland region.
16.	DBN:eL F	10	54								30.2N 131.0E, H: 10 07 18.4, h 33 km. Mb 5.1. Kyushu, Japan.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
DEC. 1975	16. DBN:eS	13	44	40						35.7N 17.0W, H: 13 35 22.4, h 33 km. Mb 4.9, Ms 4.6. North Atlantic Ocean.	
	eL	13	46.0								
	F	14	10								
	WIT:eP	13	40	36.5	+						
	HEE:eP	13	40	21.0	+						
	e	13	40	22.5	+						
16.	WIT:ePKP	21	21	29						18.7S 178.5E, H: 21 01 38.5, h 33 km. Mb 4.9. Fiji Islands.	
	HEE:ePKP	21	21	26.5							
17.	DBN:eP	05	48	00	-					5.3N 95.9E, H: 05 35 17.8, h 17 km. Mb 5.6, Ms 6.2. Northern Sumatra.	
	iZ	05	48	07	+						
	iPP	05	51	30							
	iS	05	58	34							
	eL	06	14			20		16.0	6.4		
	F	07.7									
	WIT:eP	05	47	56.0	-						
	HEE:eP	05	47	58.5	-						
	e	05	48	01.5	+						
	e	05	48	11.5	+						
17.	DBN:eL	08	48							7.0S 155.8E, H: 07 42 06.7, h 67 km. Mb 5.8. Solomon Islands.	
	F	09	15								
	HEE:iPKP	08	01	10.5	+						
	eSKP	08	04	28.5							
18.	DBN:eL	07	02							19.1N 121.3E, H: 06 12 38.5, h 33 km. Mb 5.1. Philippine Islands region.	
	F	07	13								
18.	DBN:eL	08	57							35.7N 79.7E, H: 08 27 14.0, h 33 km. Mb 4.9. Kashmir-Tibet border region.	
	F	09	05								
19.	DBN:iPKP	02	33	52	+	5	0.8			11.8S 164.8E, H: 02 14 29.6, h 33 km. Mb 6.0, Ms 5.8. Santa Cruz Islands region.	
	iPP	02	36	30							
	eSKP	02	37	28							
	ePPS	02	48	40							
	eSS	02	54.4								
	eL	03	22								
	F	04.6									
	WIT:ePKP	02	33	49.0	+						
	HEE:ePKP	02	33	52.0							
	ePP	02	36	31							
20.	WIT:ePKP	03	03	22.5						21.0S 168.6E, H: 02 43 46.1, h 33 km. Mb 4.9. Loyalty Islands.	
	e	03	03	32.5							
	HEE:ePKP	03	03	27.0	-						
	e	03	03	38.5							

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
DEC. 1975	WIT:ePKP	03	10	52.5							21.1S 168.6E, H: 02 51 04.2, h 26 km. Mb 4.5. Loyalty Islands.
	HEE:ePKP	03	10	48.0							
	e	03	10	59.0							
20.	HEE:ePKP	03	46	52.0							ISC; 21.1S 168.7E, H: 03 27 09.3, h 33 km. Loyalty Is.
20.	HEE:ePKP	06	32	11.0							21.0S 168.6E, H: 06 12 29.0, h 33 km. Loyalty Islands.
20.	WIT:iP	20	11	58.9	+						37.1N 116.1W, H: 20 00 00.2, h 0 km. Mb 5.7, Ms 4.0. Southern Nevada.
	HEE:iP	20	12	04.5	+						
21.	HEE:eP	01	16	09							8.4N 58.4E, H: 01 05 59.4, h 33 km. Mb 5.1. Carlsberg Ridge.
21.	HEE:eP	01	26	34.0							8.5N 58.4E, H: 01 16 27.1, h 33 km. Mb 5.0, Ms 5.3. Carlsberg Ridge.
21.	DBN:iP	11	04	51	-	8	9.0				51.9N 151.6E, H: 10 54 17.7, h 554 km. Mb 6.0. Sea of Okhotsk.
	ipP	11	06	45	-						
	iPP	11	07	36							
	iS	11	13	32							
	isS	11	16	52							
	F	13.0									
	WIT:iP	11	04	44.7	-						
	ipP	11	06	41.7	+						
	HEE:iP	11	04	55.0	-						
	epP	11	06	52.0							
e	11	09	21.0								
21.	DBN:iP	16	12	04	-						38.7N 21.9E, H: 16 07 55.8, h 33 km. Mb 5.3, Ms 5.4. Greece.
	iS	16	15	36							
	eL	16	17.0			20	14.2		5.2		
	F	16	56								
	WIT:eP	16	12	03.5							
	HEE:iP	16	11	48.5	+						
	eL	16	16.9								
21.	HEE:eP	18	18	25.5							3.8S 77.4W, H: 18 05 40.6, h 87 km. Mb 5.3. Peru-Ecuador border region.
23.	WIT:ePKP	01	00	40.0							18.1S 178.4W, H: 00 42 08.2, h 622 km. Mb 4.8. Fiji Islands region.
	HEE:ePKP	01	00	45.5	-						
23.	HEE:ePKP	07	13	02.0							ISC: 16.9S 177.0W, H: 06 53 19, h 25 km. Mb 4.4. Fiji region.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
DEC. 1975	WIT:ePKP	10	09	03.5							21.0S 168.5E, H: 09 49 27.2, h 33 km. Mb 4.2. Loyalty Islands.
	HEE:ePKP	10	09	09.0							
	e	10	09	20.0							
23.	DBN:eL	15	50.0								63.9N 22.2W, H: 15 40 06.8, h 33 km. Mb 4.6. Iceland region.
	F	16	05								
23.	DBN:eL	16	16.9								64.3N 21.6W, H: 16 06 57.5, h 33 km. Mb 4.3. Iceland.
	F	16	30								
23.	DBN:eL	16	38.1								65.0N 21.3W, H: 16 28 09.8, h 33 km. Mb 4.3. Iceland.
	F	16	50								
24.	DBN:eL	09	44.0								66.1N 16.7W, H: 09 33 56.9, h 33 km. Mb 4.8. Iceland region.
	F	09	53								
24.	DBN:iP	11	57	12	+						27.0N 55.5E, H: 11 48 56.8, h 33 km. Mb 5.5, Ms 5.4. Southern Iran.
	eS	12	03	52							
	eL	12	07.5			22	3.8		5.4		
	F	12	55								
	WIT:iP	11	57	05.6	+						
	HEE:iP	11	57	06.0	+						
24.	DBN:eL	16	01								10.7S 163.3E, H: 14 57 35.0, h 33 km. Mb 5.6, Ms 5.7. Solomon Islands.
	F	16	39								
24.	DBN:eL	17	51.0								66.0N 16.7W, H: 17 41 02.5, h 10 km. Mb 4.7. Iceland region.
	F	18	00								
24.	WIT:eP	18	59	58.0							45.4N 151.5E, H: 18 48 04.5, h 45 km. Mb 5.3, Ms 4.2. Kuril Islands.
	HEE:eP	19	00	08.5							
24.	HEE:eP	20	03	20.0							27.1N 55.5E, H: 19 55 11.0, h 33 km. Mb 5.0. Southern Iran.
25.	WIT:iP	05	25	03.3	+						50.0N 78.9E, H: 05 16 57.2, h 0 km. Mb 5.8, Ms 5.2. Eastern Kazakh SSR.
	e	05	26	41.5							
	HEE:iP	05	25	13.0	+						
	e	05	26	50.0							
25.	DBN:eL	05	53.9								66.1N 16.9W, H: 05 44 17.3, h 10 km. Mb 4.6. Iceland region.
	F	06	05								

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
DEC. 1975	WIT:iP	16	12	09.7	+						45.4N 151.4E, H: 16 00 16.3, h 46 km. Mb 5.4, Ms 4.3. Kuril Islands.
	HEE:eP	16	12	19.0	+						
25.	DBN:eL	22	12.0			20		12.4		5.2	66.1N 16.4W, H: 22 04 35.1, h 10 km. Mb 5.1. Iceland region.
	F	22.8									
	WIT:eP	22	08	44.5							
	HEE:eP	22	09	00.0							
	i	22	09	12.0	-						
25.	DBN:ePdif.	23	37	34							4.1S 142.0E, H: 23 22 21.7, h 115 km. Mb 6.6. Papua New Guinea.
	ePKP	23	41	04							
	iPP	23	42	30							
	iPPP	23	45	00							
	iSKS	23	47	50							
	iPS	23	52	07							
	eSS	23	59.0								
	eSSS	00	03.0								
	eL	00	19								
	F	03.7									
	WIT:iPKP	23	41	02.0							
	e	23	41	31.0							
	ePP	23	42	24.0							
	e	23	43	02							
	HEE:iPKP	23	41	03.0							
	i	23	41	34.0							
	ePP	23	42	32.0							
	e	23	43	02.0							
	ePKKP	23	51	12							
26.	HEE:eP	00	54	52.0	+						66.1N 16.8W, H: 00 50 31.3, h 33 km. Mb 4.9. Iceland region.
26.	HEE:ePKP	12	12	50.0							21.0S 168.6E, H: 11 53 06.7, h 33 km. Loyalty Islands.
	e	12	12	59.0							
26.	DBN:iPKP	16	16	10	-	12	39.0				16.3S 172.5W, H: 15 56 38.7, h 33 km. Mb 6.4, Ms 7.8. Samoa Islands region.
	iPP	16	19	36							
	iPPP	16	22	56							
	eSKKS	16	26	22							
	eSS	16	38.1								
	eL	17	07			18			170	7.8	
	F	21.7									
	WIT:iPKP	16	16	10.6	-						
	HEE:iPKP	16	16	14.0	-						
26.	HEE:ePKP	17	54	25.5							160.3S 172.2W, H: 17 34 49.0, h 33 km. Mb 4.9. Samoa Islands region.
26.	HEE:iPKP	18	03	23.0							ISC; 16.6S 172.3 W, H: 17 43 44.8, h 33 km. Samoa region.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
DEC. 1975											
26.	HEE:ePKP	18	31	49.5							16.1S 172.9W, H: 18 12 12.1, h 33 km. Mb 5.4. Samoa Islands region.
26.	HEE:ePKP	19	26	24.0	+						15.2S 172.3W. H: 19 06 50.5, h 33 km. Mb 5.2. Samoa Islands region.
26.	HEE:ePKP	20	27	00							16.1S 172.7W, H: 20 07 21.6, h 38 km. Mb 5.1. Samoa Islands region.
26.	WIT:ePKP HEE:ePKP	21 24 55.5 21 25 00.5									17.7S 178.8W, H: 21 06 22.3, h 588 km. Mb 4.8. Fiji Islands region.
26.	HEE:e	22	12	07.0	+						No determination of epicenter.
26.	HEE:iPKP	22	58	50.0	+						15.9S 172.8W, H: 22 39 14.5, h 33 km. Mb 5.0. Samoa Islands region.
27.	HEE:ePKP	01	53	45.5							16.6S 172.4W, H: 01 34 06.8, h 33 km. Mb 5.0. Samoa Islands region.
27.	HEE:e(P)	04	33	52.5							44.5N 11.9E, H: 04 31 50.5, h 34 km. Mb 4.9. Northern Italy.
27.	DBN:iP eS eL F WIT:iP i HEE:eP	07 54 04 08 04 00 08 20 09.3 07 53 54.9 07 53 56.9 07 54 03.5			- - +	23			5.9	5.9	43.1N 147.2E, H: 07 41 54.3, h 39 km. Mb 5.4, Ms 5.7. Kuril Islands.
27.	HEE:e	08	51	44.0							No determination of epicenter.
27.	HEE:ePKP	12	13	36							21.5S 174.0W, H: 11 53 45.8, h 37 km. Mb 5.1. Tonga.
27.	HEE:iPKP ePKP ₂ eSPKP ₂	14 53 09.5 14 53 12.5 14 53 23.0									ISC: 16.4 S 172.3 W, H: 14 33 31.7, h 33 km. Mb 4.7. Samoa region.
27.	HEE:ePKP	15	35	15.5							15.7S 174.1W, H: 15 15 41.5, h 33 km. Mb 4.7. Tonga Islands.
27.	HEE:ePKP i i	21 00 37.0 21 00 42.0 21 00 52.0			+						16.1S 172.6W, H: 20 40 56.7, h 31 km. Mb 4.9. Samoa Islands region.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
DEC. 1975	DBN: eL	24	45								15.3S 171.9W, H: 23 32 59.8, h 33 km. Mb 5.5, Ms 5.5. Samoa Islands region.
	F	01	06								
	HEE: ePKP	23	52	33.0							
	i	23	52	35.0	-						
27.	HEE: ePKP	23	54	12.5							15.2S 171.9W, H: 23 34 38.4, h 33 km. Mb 5.6, Ms 5.1. Samoa Islands region.
	i	23	54	15.5	-						
28.	HEE: e	02	19	08.0							46.5N 0.5E, H: 02 16 07.7, h 24 km. France.
28.	HEE: ePKP	02	36	31.0							15.1S 178.0W, H: 02 17 00.5, h 62 km. Mb 4.9. Fiji Islands region.
	i	02	36	35.5							
28.	DBN: eL	03	35								ISC: 15.7S 172.9 W, H: 02 43 39.5, h 33 km. Mb 5.0. Samoa region.
	F	03	45								
	HEE: ePKP	03	03	14.5							
28.	HEE: ePKP	12	48	00							15.9S 173.6W, H: 12 28 24.8, h 33 km. Mb 4.4. Tonga Islands.
28.	DBN: eL	16	17								8.0S 115.1E, H: 15 24 50.8, h 196 km. Mb 5.9. Bali Island region.
	F	16.9									
	WIT: ePKP	15	42	56.5	-						
	HEE: ePKP	15	42	58.0	-						
29.	DBN: ePKP	03	58	45							56.8S 68.5W, H: 03 39 43.0, h 14 km. Mb 6.1, Ms 6.5. Drake Passage.
	iPP	04	00	28							
	eSKP	04	02	00							
	eSKKS	04	07	23							
	eSP	04	10	26							
	eSPP	04	12	00							
	eSS	04	17.3								
	eL	04	37			19	15.5		6.7		
	F	07.0									
	WIT: ePKP	03	58	45.0							
	HEE: ePKP	03	58	42.0							
	ePP	04	00	27							
29.	DBN: eL	05	40								26.8N 97.2E, H: 05 07 59.2, h 48 km. Mb 5.3. Burma.
	F	in prec. shock									
	WIT: eP	05	19	10.0							
	HEE: eP	05	19	11.5							
	i	05	19	16.5	-						
29.	DBN: eL	10	54.0								66.0N 16.9W, H: 10 45 11.4, h 14 km. Mb 4.7. Iceland region.
	F	11	14								
29.	HEE: ePKP	21	43	36.0							16.0S 172.7W, H: 21 24 01.3, h 35 km. Mb 4.9. Samoa Islands region.

SEISMOLOGICAL BULLETIN



Date	Phase	G.M. Time			First motion	Period s	Amplitude μ			Magnitude De Bilt	Remarks Data without indication are from USGS; d.b.m. means disturbed by microseisms
		h	m	s			Z	NS	EW		
DEC. 1975.											
29.	HEE:ePKP	21	54	06							16.5S 172.4W, H: 21 34 22.4, h 33 km. Mb 4.6. Samoa Islands region.
29.	HEE:ePKP	22	04	48.5							16.2S 172.6W, H: 21 45 11.3, h 33 km. Mb 4.8. Samoa Islands region.
29.	HEE:ePKP	22	43	51.0	+						17.4S 177.1W, H: 22 24 52.4, h 388 km. Mb 4.7. Fiji Islands region.
30.	DBN:eL	03	51								15.7S 172.5W, H: 02 29 40.9, h 69 km. Mb 5.2. Samoa Islands region.
	F	04	01								
	HEE:ePKP	02	49	11.0	+						
	i	02	49	23.0							
	e	02	49	36.0							
31.	DBN:iS	09	53	20							38.6N 21.8E, H: 09 45 47.7, h 19 km. Mb 5.4, Ms 5.5. Greece.
	eL	09	54.5			20					
	F	10	41						35	5.7	
	WIT:iP	09	50	00.3	+						
	i	09	50	07.0							
	HEE:iP	09	49	44.0	+						