

Geophysikalisches Observatorium Collm
der Karl-Marx-Universität Leipzig

Geophysikalische Meßreihen

1 1973

Seismische Registrierungen

Geophysikalisches Observatorium

DDR - 7261 COLLM

Geophysical measuring series
of the
Geophysical Observatory
of the Karl-Marx-University
Leipzig

Geophysikalische Meßreihen
des Geophysikalischen
Observatoriums
der Karl-Marx-Universität
Leipzig

C O L L M

SEISMIC
RECORDS

SEISMISCHE
REGISTRIERUNGEN

I. quarter 1973

I. Quartal 1973

1. General

The seismic observations are carried out in the earthquake division which lies apart from the street and any other building, 130 m in the south of the main building of the observatory. The supports of the instruments stand immediately on graywacke of the ordovise not yet weatherbeaten. Coordinates of the earthquake division:

$$\varphi = 51^{\circ}18.6'N \quad \lambda = 13^{\circ}00.2'E \quad h = 230m$$

The following seismographs are used:

1. WIECHERT horizontal seismograph (components NS and EW; recording on carbon tape)
2. BENIOFF vertical seismograph (recording in the main building which is connected with the earthquake division by noninductive underground cable).
3. VSJ-II vertical seismograph and 2 HSJ-II horizontal seismographs (components NS and EW) with 4-trace-recorder
= "SSJ-II (Seismische Station Jena II)"
4. 2 ANDERSON-WOOD-torsion seismographs (Components NS longper. and NS shortper.; optical recording)
5. 2 HSJ-I horizontal seismographs (components NS and EW, with own recorder RGJ-I)
VSJ-I vertical seismograph (4-trace-recorder, see above)
= "SSJ-I (Seismische Station Jena I)"

The time service is done by a quartz-clock. This clock gives minute-pulses of 2 s and hour-pulses of a duration of 10 s. A pendulum-clock serves as compensatory clock. Every day, the clocks are compared with the second signal of the transmitters 4525 kc resp. 77.5 kc (digital control). At WIECHERT and SSJ-I the time marks are interruptions; at the other records reductions of the light. The insecurity in time is ± 0.2 s. Numerous explosions and rolling mountains are leaved out in this bulletin on the ground of their unimportant force.

Evaluation

- 1 Date
- 2 Instrument

- AN = ANDERSON-WOOD NS, longper.
An = ANDERSON-WOOD NS, shortper.
3 Phase
4 Time of onset in GMT
5 Direction of ground motion

1. Allgemeines

Die seismischen Beobachtungen finden in der Erdbebenwarte statt, die sich abseits der Straße und jeden anderen Gebäudes 130 m südlich des Observatoriumshauptgebäudes befindet. Die Instrumentensockel stehen unmittelbar auf unverwitterter Grauwacke des Ordoviziums. Koordinaten der Erdbebenwarte:

$$\varphi = 51^{\circ}18.6'N \quad \lambda = 13^{\circ}00.2'E \quad h = 230m$$

Folgende Seismographen sind in Betrieb:

1. WIECHERT-Horizontalseismograph (Komponenten NS und EW; Rußstreifenregistrierung)
2. BENIOFF-Vertikalseismograph (Registrierung im Hauptgebäude, das mit der Erdbebenwarte durch induktionsfreies Erdkabel verbunden ist).
3. VSJ-II Vertikalseismograph und 2 HSJ-II Horizontalseismographen (Komponenten NS und EW) mit 4-Spur-Registriergerät
= "SSJ-II (Seismische Station Jena II)"
4. 2 ANDERSON-WOOD-Torsionsseismographen (Komponenten NS langper. und NS kurzper.; optische Registrierung)
5. 2 HSJ-I Horizontalseismographen (Komponenten NS und EW, mit Originalregistriergerät RGJ-I)
VSJ-I Vertikalseismograph (4-Spur-Registriergerät, siehe oben)
= "SSJ-I (Seismische Station Jena I)"

Die Zeitangabe erfolgt durch eine Kleinquarzuhr. Diese Uhr gibt Minutenimpulse von 2 s und Stundenimpulse von 10 s Dauer. Als Reserve dient eine Pendeluhr. Die Uhren werden täglich mit den Sekundensignalen der Sender 4525 bzw. 77.5 kHz (Digitalanzeige) verglichen. Bei WIECHERT und SSJ-I werden die Zeitmarken als Unterbrechungen gegeben; bei den anderen Registrierungen als Lichtschwächungen. Die Zeitunsicherheit beträgt ± 0.2 s. Zahlreiche Sprengungen und Bergschläge wurden in diesem Bericht auf Grund ihrer geringen Stärke fortgelassen.

Auswertung

- 1 Datum
- 2 Instrument

- Z = BENIOFF-Vertikal
z = VSJ-II
n = HSJ-II NS
e = HSJ-II EW
WN = WIECHERT NS
WE = WIECHERT EW
N = HSJ-I NS
E = HSJ-I EW
V = VSJ-I

- AN = ANDERSON-WOOD NS, langper.
An = ANDERSON-WOOD NS, kurzper.
3 Phase
4 Einsatzzeit in MGZ
5 Richtung der Bodenbewegung

6 Remarks; at first the own statements without mention of sources, e.g. epicentral distance, depth of focus, magnitudes after recommendations of Zürich 1967 (index k: shortper.; index l: longper.) respectively after magnitude equation for Collm 1959 (=Mag); than dates of the seismic central offices or other stations with the following abbreviations:

U: USERL
M: Moskau/ANSSSR
B: BCIS
G: Griechenland
H: Hannover
I: ISC

The declaration of periods and amplitudes for important onsets appears in the corresponding line:

t an ae av
average period [sec] amplitude from N,E,V [μ];
shortper. components, if measurement practicable
in the sequence z,n,e

T / A
period [sec] amplitude [μ].

1.1 Falling out of the records

Januar:

z,n,e,N,E,V 22. 12.01 - 14.00

Februar:

Z 05. 12.05 - 12.05 am 06.

März:

e 06. 09.12 - 14.54

n 06. 13.55 - 14.56

z,n,e,V 07. 17.46 - 05.52 am 08.

1.2 Constants of the seismographs

Gerät	T_B (s)	D_B	T_G (s)	D_G	r/T_B^2	$V_{stat.}$	$V_{max.}$	Registrier- geschwindig- keit (mm/min)
Z ab 22.1.	0.452	0.65	1.43	1			38000	60
z	2.175	0.537	0.296	1.474			55000	60
n	2.171	0.537	0.294	1.474			60000	60
e	2.171	0.537	0.293	1.474			58000	60
WN	10.1	0.28			0.043	300		15
WE	10.2	0.33			0.035	300		15
N	20.0	0.50	1.10	9.09		1075		15
E	20.0	0.51	1.21	8.24		1120		15
V	20.0	0.51	1.20	8.35		1090		60
AN	5.8	0.12				500		30
An	1.1	0.06				500		30

6 Bemerkungen; zuerst eigene Aussagen ohne Quellenangabe, wie Epizentraldistanz, Herdtiefe, Magnituden nach den Empfehlungen von Zürich 1967 (Index k: kurzper.; Index l: langper.) bzw. nach der Magnitudengleichung für Collm 1959 (=Mag); dann Daten der Seismischen Zentren oder anderer Stationen mit folgenden Abkürzungen:

J: Jena
P: Polen
C: Pruhonice
F: Hagfors } Schweden
S: Uppsala
W: Wien

Perioden- und Amplitudenangaben für wichtige Einsätze erscheinen in der entsprechenden Zeile:

t an ae av
mittlere Periode [sec] Amplitude von N,E,V [μ];
kurzper. Komponenten, falls Messung möglich, in der Reihenfolge z,n,e

T / A
Periode [sec] Amplitude [μ].

1.1 Ausfall der Registrierungen

Januar:

e 15. 05.10 - 06.29

Februar:

Z 17. 23.00 - 12.02 am 18.

Z 18. 23.00 - 06.34 am 19.

März:

1.2 Konstanten der Seismographen

2. Evaluation

Januar 1973

1. z	ePKP	04 05 11	Gebiet von E-Neuguinea	9.28;150.6E h= 41km 9.38;150.9E	H=03:46:09.8(U) 03:46:08 (M)
1. z	eP	11 55 36	1.9/63		
s	ePP	59 06			
N,E	eSS	12 12.4	S-atlantischer Rücken	35.58; 16.2W h N	H=11:42:37.5(U)
N,E,V	eIm	34		35.48; 16.1W	11:42:38 (M)
1. z	eP	14 28 13			
2. z	e	01 53 57	Spuren, Ionisches Meer	38.1N; 20.2E 38.2N; 20.2E h N 38.0N; 20.0E	H=01:50:34 (B) 01:50:28.5(U) 01:50:26 (M)
2. z	eP	04 00 52	S-lich von Panama	5.4N; 82.5W h= 30km	H=03:47:52.5(U)
2. z,n,e	eP	22 35 43	1.6/35 / / Tibet	31.2N; 88.1E h N 31.0N; 88.2E 30 - 35	H=22:25:57.0(U) 22:25:55 (M)
2. z,n,e	iP	23 25 10.3D	1.4/34 / / Gebiet der Insel Jan Mayen	71.3N; 7.6W h N 71.3N; 7.4W	H=23:20:16.7(U) 23:20:18 (M)
3. z	eP	03 11 17	Provinz Santiago del Estero, Argentinien	27.7S; 63.3W h=563km	H=02:58:16.7(U)
z,e	ePP	15 37			
3. z,n,e	iP	14 38 55.7D,W	1.5/79 / 1.5/50		
z,n,e	ePP	40 42	Tadschikische SSR	39.1N; 71.9E h N	H=14:31:04.5(U)
n	eSS	48 07		39.2N; 71.8E	14:31:05 (M)
N,E,V	eIm	59			
3. z,n,e	eP	21 26 22	Vor der Küste von Oregon	44.3N;129.2W h= 18km 45.2N;129.2W	H=21:14:16.4(U) 21:14:23 (M)
4. z,n	eFKIKP	01 26 51	Neue Hebriden	13.4S;167.1E h=194km 13.6S;167.4E	H=01:07:50.3(U) 01:07:31 (M)
s	epPKP	27 43	137°		
s	ePP	29 35			
s	eSKP	30 08			
n,e	iPKS	30 25.2			
4. z,n	eP	03 35 32	1.8/39 1.7/27 Gebiet der Insel Jan Mayen	71.6N; 6.7W h N	H=03:30:38.1(U)
4. z,n,e	eP ₁	08 08 42	D,W 1.7/61 / /		
s	iP ₂	08 47	22° MLH=4.8		
E	e(S ₂)	12 49			
E	eL	18	t12 an2 ae1 av2	71.0N; 7.3W	H=08:03:49 (B)
N,E,V	eIm	19	Gebiet der Insel Jan Mayen	71.1N; 7.7W h N 71.1N; 7.2W	08:03:50.4(U) 08:03:47 (M)
4. z,n,e	iPg	14 32 55.9	Sprengung		
z,n,e,V	iSg	32 57.1			
4. z	e	15 11 53			
5. z,n,e	iP	01 49 58.2K,S,E	1.5/90 / 1.6/74		
N,E	eIm	58	t18 an2.5 ae0	49.3N; 28.1W	H=01:44:31 (B)
E,V	eL	02 00	Mittlerer N-atlantischer Rücken	49.4N; 28.2W h N 49.9N; 27.9W	01:44:25.8(U) 01:44:30 (M)
5. z,n	e	03 17 29			
5. z,e	eP	03 47 54	N-atlantischer Rücken	25.9N; 45.0W h N 26.7N; 45.1W	H=03:38:58.1(U) 03:39:02 (M)

2. Auswertung

5. N N,E,V n,e z,n,e V N,E	e(P) eS eSSS e eLm eL	05 53 16 56.4 56.49 59 37 06 00 03	Durch Streifenwechsel teilweise Ausfall t15 av20 t10 an4.5 ae5.5 Mittelmeer, S-lich des Peloponnes	35.7N; 21.9E 35.8N; 21.8E h N 35.8N; 21.8E h= 45km	H=05:49:20 (B) H=05:49:17.5 (U) H=05:49:18 (M)
5. z,e z,n,e	1Pg 18g	08 00 40.6 00 54.9	Spuren Sprengung 10.6t	51°00.2'N; 14°24.8'E	(O)
5. z	e(P)	12 40 24	Gebiet von Vrancea, Karpaten, Rumänien	45.6N; 26.6E h=150km 45.6N; 26.6E 131 45.2N; 26.3E 110	H=12:37:49 (B) 12:37:47.2 (U) 12:37:47 (M)
5. z,n,e	1P	13 50 37.8K	0.9/45 / 0.9/19 Ochotskisches Meer	48.2N; 146.8E h=430km 47.9N; 147.1E 460	H=13:39:50.4 (U) 13:39:52 (M)
5. z,V z,n,e,V z z,N,E,V z V N,E N,E N,E V	1PKIKP 1PKP ₂ 1 ePP e(PoSPPK) ePPS eSS eSSS eLm eLm	14 14 14.0 15 01.8N,W 15 21.7 18 47 26 34 32.4 39.0 45.5 15 13 30	3.5/390 2.3/420 1.8/100 / t12 av3.0 162.5° MPPV ₁ =6.3 MLH=6.1 N-Insel von Neuseeland	39.0S; 175.2E h=150km 39.0S; 175.2E 145	H=13:54:29.1 (U) 13:54:29 (M)
5. z z,n,V	e i	14 14 53 15 42.8			
5. z	e	19 12 11			
5. z,n,e z z	ePKP ₁ 1PKP ₂ epPKP	21 47 48 47 52.6 50 02	1.0/62 / 1.1/29 S-lich der Pidschi-Inseln	21.3S; 175.2E h=620km 21.5S; 175.9E	H=21:29:12.3 (U) 21:28:10 (M)
6. n,e z,n,e z,n,e	e eSg iL	02 12 05 12 30 12 57.1	Nahe der Insel Oleron, Frankreich	46.0N; 1.2W	H=02:06:38 (B)
6. z z	ePKP epPKP	05 21 03 21 25	Gebiet der Loyalty-Inseln	21.8S; 170.4E h= 82km	H=05:01:32.4 (U)
6. z	1PKP ₂	08 17 52.0K	1.2/35 Gebiet der Kermadec-Inseln	31.5S; 179.5E h=476km	H=07:58:14.6 (U)
6. z	eP	15 08 18	S-lich von Hondo, Japan	33.1N; 140.7E h= 61km	H=14:55:52.8 (U)
6. z z	eP epP	15 15 56 16 10	S-lich Alaska	53.3N; 162.4W h N	H=15:04:11.9 (U)
6. z z,n,e z,n,V z z n,e,N n,e,V N,E V N,E	e(PKP) i ePP ePKS e(PKS ₂) eSKS ₂ eSS eLm eLm	16 12 03 12 15.9 14 56 15 40 15 44 19 26 33.2 17 30 36	137.5° MPPV _k =5.7 MLH=5.8 2.5/125 / Neue Hebriden	14.7S; 166.4E h= 36km 14.0S; 168.3E	H=15:52:41.9 (U) 15:52:40 (M)

Januar 1973

6. z	e(PKHKP)	22 34 53	139°		
z,n,e	iPKIKP	35 02.8		Neue Hebriden	15.58;167.5E h=123km H=22:15:49.9(U)
z	e	37 22			15.48;168.0E 50 22:15:41 (M)
z	ePP	38 05			
z	eSKP	38 27			
z	e	39 16			
7. z	e	01 14 22			
7. z,n,e	iPKP	01 51 43.7	1.8/88 / /		
z	e	51 52		Gebiet der Loyalty-Inseln	21.98;170.4E h= 66km H=01:32:13.1(U)
z	epPKP	52 05			
7. z	eP	12 26 05	Äthiopien		5.3N; 36.8E h= 34km H=12:17:12.6(U)
H,E,V	eIm	48			5.3N; 36.6E 12:17:13 (M)
7. z	eP	12 54 48	Spuren, Luzon, Philippinen		17.3N;120.0E h= 77km H=12:42:11.1(U)
					17.1N;120.1E 12:42:05 (M)
7. n,e	i	13 09 55.0	Nahbeben		
z,n,e	e	10 23			(W)
7. z	ePKP	14 43 50			
7. z	iPKP ₁	19 49 14.6	0.8/24		24.2S;179.5E h=561km H=19:30:23.9(U)
			S-lich der Fidshi-Inseln		
7. z,n,e	iPKP	23 45 59.3K,E	1.0/44 / 0.8/16		
8. z	eP	04 45 34	Arabisches Meer		13.6N; 57.3E h N H=04:36:26.4(U)
					12.9N; 57.5E 04:36:23 (M)
8. z,n,e	e	10 04 19	Bergschlag Oberschlesien, Polen		(P)
8. z,e	iPKP ₁	10 42 58.2K	1.0/48 /		
			Gebiet der Fidshi-Inseln		20.1S;179.0W h=653km H=10:24:25.4(U)
8. z,n,e	iPKP ₁	21 29 49.2D	1.0/37 / 1.0/14		
z	i	29 59.1		S-lich der Fidshi-Inseln	24.4S;177.3W h=154km H=21:10:11.2(U)
z	e	30 29			
9. z,n,e	e	05 47 16			
9. z,n,e	eP	06 07 41	Gebiet der Insel Jan Mayen		71.3N; 7.6W h N H=06:02:49.1(U)
					71.1N; 8.6W 06:02:48 (M)
9. z,n,e	eP	07 51 12	Gebiet der Insel Jan Mayen		71.6N; 5.9W h N H=07:46:18.8(U)
					71.6N; 6.7W 07:46:19 (M)
9. z	e	11 47 46			
9. z,n,e	iP	12 08 17.0K	1.2/24 / /		
			S-Alaska		60.3N;146.0W h= 18km H=11:57:21.0(U)
					60.6N;146.2W 11:57:25 (M)
9. z	eP	13 13 48	Gebiet der Insel Jan Mayen		71.4N; 7.7W h N H=13:08:54.3(U)
9. z,n,e	eP	13 30 18	Jan Mayen		H=13:25:23 (S)
9. z,n,e	e	14 50 35			

Januar 1973

9. z,n,e	eP	15 00 32	1.4/32 / / Gebiet der Insel Jan Mayen	71.3N; 8.0W h N 71.2N; 7.8W	H=14:55:38.6(U) 14:55:40 (M)
9. z z,e	eP ePP	16 25 53 27 40	Grenzgebiet Tadshikische SSR-Sinkiang	39.5N; 73.7E h N 39.7N; 73.8E h= 20km	H=16:17:55.2(U) 16:17:54 (M)
9. z	eP	17 19 45	Andreanow-Inseln, Aleuten	51.4N; 178.2W h= 52km	H=17:07:55.5(U)
10. z	e	02 10 09			
10. z,n,e N,E,V	e(P) eIm	03 27 46 34	W 1.5/57 1.5/47 / t12 an2.5 ae1.5 av2.5 W-licher Peloponnes, Griechenland	37.5N; 21.4E 37.8N; 21.3E h= 41km	H=03:24:13 (B) 03:24:11.7(U)
10. z z,n n N,E N,E,V	ePKP ePKS e eSS eIm	11 51 42 55 07 12 09 29 11.9 57	133° Salomonen t18 an2 ae1.5 av2.5	11.1S; 162.3E h= 32km 11.1S; 162.1E	H=11:32:27.4(U) 11:32:23 (M)
10. z z	ePKP ePKS	12 06 03 09 24	Salomonen	11.2S; 162.3E h= 32km	H=11:46:43.7(U)
10. z,n	eP	14 32 37	Gebiet der Insel Jan Mayen	71.6N; 6.9W h N	H=14:27:43.5(U)
10. z	eP	20 22 15	Kostarika	9.0N; 84.0W h N	H=20:09:27.2(U)
11. z	e	01 35 27			
11. z,n,e z z N,E,V	1P e e eIm	02 24 18.6K,S 24 28 24 55 03 02	1.6/67 1.7/35 / Fuchs-Inseln, Aleuten	52.1N; 169.6W h= 30km 52.1N; 169.9W	H=02:12:27.5(U) 02:12:29 (M)
11. z	1P	04 11 09.7K			
11. z	1PKP	06 31 50.5			
11. z	e	12 08 40			
11. z	e	16 22 24			
11. z	e	18 38 25			
12. z	e	01 06 10	Spuren		
12. z	ePP	03 30 09	Gebiet der Bouvet-Insel	54.4S; 5.3E h N	H=03:11:33.1(U)
12. z N,E,V	ePP eIm	03 34 43 04 18	Gebiet der Bouvet-Insel	54.4S; 5.4E h N	H=03:16:02.8(U)
12. z,n,e	e	11 14 10	Nahbeben		(W)
12. z,n,e	e	11 57 15			
12. z,n,e z,n,e	1Pg 1Sg	13 00 08.1 00 25.3	Spuren Sprengung	5.4t 50°07.8'N; 12°14.2'E	(C)

Januar 1973

9. z,n,e	eP	15 00 32	1.4/32 / / Gebiet der Insel Jan Mayen	71.3N; 8.0W h N 71.2N; 7.8W	H=14:55:38.6(U) 14:55:40 (M)
9. z z,e	eP ePP	16 25 53 27 40	Grenzgebiet Tadshikische SSR-Sinkiang	39.5N; 73.7E h N 39.7N; 73.8E h= 20km	H=16:17:55.2(U) 16:17:54 (M)
9. z	eP	17 19 45	Andreanow-Inseln, Aleuten	51.4N; 178.2W h= 52km	H=17:07:55.5(U)
10. z	e	02 10 09			
10. z,n,e N,E,V	e(P) eLm	03 27 46 34	W 1.5/57 1.5/47 / t12 an2.5 ae1.5 av2.5 W-licher Peloponnes, Griechenland	37.5N; 21.4E 37.8N; 21.3E h= 41km	H=03:24:13 (B) 03:24:11.7(U)
10. z z,n n N,E N,E,V	ePKP ePKS e eSS eLm	11 51 42 55 07 12 09 29 11.9 57	133° Salomonen t18 an2 ae1.5 av2.5	11.1S; 162.3E h= 32km 11.1S; 162.1E	H=11:32:27.4(U) 11:32:23 (M)
10. z z	ePKP ePKS	12 06 03 09 24	Salomonen	11.2S; 162.3E h= 32km	H=11:46:43.7(U)
10. z,n	eP	14 32 37	Gebiet der Insel Jan Mayen	71.6N; 6.9W h N	H=14:27:43.5(U)
10. z	eP	20 22 15	Kostarika	9.0N; 84.0W h N	H=20:09:27.2(U)
11. z	e	01 35 27			
11. z,n,e z z N,E,V	iP e e eLm	02 24 18.6K,S 24 28 24 55 03 02	1.6/67 1.7/35 / Fuchs-Inseln, Aleuten	52.1N; 169.6W h= 30km 52.1N; 169.9W	H=02:12:27.5(U) 02:12:29 (M)
11. z	iP	04 11 09.7K			
11. z	iPKP	06 31 50.5			
11. z	e	12 08 40			
11. z	e	16 22 24			
11. z	e	18 38 25			
12. z	e	01 06 10	Spuren		
12. z	ePP	03 30 09	Gebiet der Bouvet-Insel	54.4S; 5.3E h N	H=03:11:33.1(U)
12. z N,E,V	ePP eLm	03 34 43 04 18	Gebiet der Bouvet-Insel	54.4S; 5.4E h N	H=03:16:02.8(U)
12. z,n,e	e	11 14 10	Nahbeben		(W)
12. z,n,e	e	11 57 15			
12. z,n,e z,n,e	iPg iSg	13 00 08.1 00 25.3	Spuren Sprengung	5.4t 50°07.8'N; 12°14.2'E	(C)

Januar 1973

12. z,n,e	e	20 28 36			
12. z,e	epPP	23 49 18	Gebiet des Hindukusch	36.0N; 70.6E h=126km H=23:39:26.0(U) 36.0N; 70.7E 120 23:39:24 (M)	
13. z	eP	01 12 23	Andreanow-Inseln, Aleuten	51.8N;177.0W h= 61km H=01:00:37.6(U) 50.9N;175.7W 01:00:27 (M)	
z	esP	12 45			
z	e	13 04			
13. z	1P	06 16 48.2K	1.4/25 Sambia	16.8S; 28.4E h N H=06:05:42.4(U)	
13. z	ePKP ₁	09 37 58	S-lich der Fidischi-Inseln	23.8S;179.9W h=543km H=09:19:06.4(U)	
13. z	eP	11 23 14	S-Sumatra	2.7S;101.3E h=105km H=11:10:20.4(U) 2.8S;101.3E 11:10:12 (M)	
13. z	1	12 26 56.0D			
13. z,e	eP	14 23 06	W-Pakistan	25.6N; 63.9E h= 50km H=14:14:41.1(U) 25.7N; 63.9E 14:14:41 (M)	
z	1	23 21.5D			
13. z,n,e	e	17 58 50	Nahbeben	(W)	
13. z	eP	22 10 07	Ratten-Inseln, Aleuten	51.8N;176.3E h= 52km H=21:58:22.0(U) 51.9N;175.8E 45km 21:58:23 (M)	
13. z	1P	22 14 40.6D	1.7/42 Kamtschatka	59.7N;163.2E h N H=22:03:58.9(U)	
14. z,n,e	e	05 07 45			
14. z	eP	09 05 16	Spuren, N-atlantischer Rücken	14.8N; 45.1W h N H=08:55:18.1(U)	
14. z,e	eP	09 07 25	N-atlantischer Rücken	14.8N; 45.1W h N H=08:57:28.5(U)	
14. z	e	11 37 04	Spuren		
15. z,n,e	eP	02 04 12	Sachalin	46.0N;142.7E h=354km H=01:53:14.6(U) 46.4N;142.5E 330 01:53:15 (M)	
z,e	epP	05 31			
15. z,n,e	1PKP	03 40 13	1.6/32 / /		
z	epPKP	40 39	Neue Hebriden	20.9S;169.8E h= 82km H=03:20:47.3(U)	
15. z,n,e,V	1P	09 15 02.4D,N,E	1.2/390 1.2/135 1.2/81	27.1N;140.1E h=477km H=09:02:58.3(U)	
z	ePP	18 39	Gebiet der Bonin-Inseln	26.9N;140.4E 470 09:02:56 (M)	
15. z	eP	09 26 15	1.6/35 Gebiet der Bonin-Inseln	27.1N;140.0E h=478km H=09:14:10.7(U)	
15. z	1P	11 31 54.6D	1.2/39 Gebiet der Bonin-Inseln	27.1N;140.0E h=469km H=11:19:49.9(U) 27.1N;140.4E 470 11:19:49 (M)	
15. z	1P	13 05 02.3K	1.3/26		
z,e	1pP	05 07.2	S-liche Provinz Sinkiang,	40.4N; 91.1E h= 13km H=12:55:44.8(U)	
z	1	05 34.4	China	40.4N; 91.0E 12:55:48 (M)	

Januar 1973

15. z	eP	14 51 26	S-liche Provinz Sinkiang, China	40.4N; 91.1E h= 13km 40.1N; 91.0E	H=14:42:07.8(U) 14:42:09 (M)
15. z	eP	17 16 31	S-lich Hondo, Japan	33.4N; 140.8E h= 58km 33.7N; 141.0E	H=17:04:05.8(U) 17:04:05 (M)
16. z	e	08 45 28	Spuren		
16. z, e z z	1P ePP eSP	10 09 12.1D 09 32 09 42	1.0/28 / Fuohs-Inseln, Aleuten	54.1N; 165.5W h= 81km 53.5N; 164.8W	H=09:57:38.6(U) 09:57:29 (M)
16. z	1PKP	18 27 55.3	Gebiet von Neu-Irland	4.48; 153.2E h= 50km 4.08; 153.6E	H=18:09:03.3(U) 18:09:03 (M)
16. z, n, e z, e	1P e	21 40 04.8D 42 07	E-Kaschmir	33.2N; 75.7E h= 42km 33.4N; 75.9E	H=21:31:26.0(U) 21:31:26 (M)
16. z, n, e z, n, e	1P 1	22 49 22.8 49 34.8	1.5/59 1.6/52 / S-lich des Peloponnes, Mittelmeer	35.1N; 22.7E 35.1N; 22.6E h= 28km 35.1N; 22.5E	H=22:45:20 (B) 22:45:16.7(U) 22:45:15 (M)
17. z, n, e z z, n, e	e(Pg) e e(Sg)	05 30 40 31 26 31 47	NE-lich Zagreb, Jugoslawien		
17. z	ePKP	09 22 22	1.4/43 Gebiet der Fidschi-Inseln	17.5S; 178.7W h=531km	H=09:03:42.9(U)
17. z, n, e	1PKP	10 05 39.3D, N	1.4/135 1.4/60 0.8/31 Tonga-Inseln	15.1S; 175.0W h=251km 15.0S; 174.7W 220	H=09:44:36.8(U) 09:44:34 (M)
17. z	eP	14 10 50	Gebiet von Jan Mayen	71.2N; 8.2W h N 71.1N; 8.9W	H=14:05:56.7(U) 14:05:55 (M)
18. z	ePKP ₁	02 23 09	Gebiet der Fidschi-Inseln	17.7S; 178.8W h=584km	H=02:04:34.5(U)
18. z	ePKP ₁	04 02 37	D Gebiet der Fidschi-Inseln	21.2S; 177.5W h=583km	H=03:43:40.6(U)
18. z, e	e	04 18 21			
18. z	e	08 19 50			
18. z z, n, e	e e	09 09 18 09 55			
18. z, n, e, V z, n, V z z N, E, V z z, e V z z N, E N, E, V	1PKP 1 1 1 ePP 1PKP ₁ ePKP ₂ ePS ePcPPKP e eSS eLm F	09 47 07.8N 123° 47 16.4 2.2/440 2.3/140 47 20.2W 2.2/165 47 25.0 48 52 t10 an1.6 ae2.4 av5.6 56 58.8 Gebiet von Neu-Britannien 57 06 6.9S; 150.0E h= 43km 58 45 6.7S; 150.4E 10 00 57 MPPH ₁ =7.0 MPPV ₁ =7.1 04 16 MLH=6.9 05.4 t20 an20.5 ae13 av22 41 12 30			H=09:28:14.1(U) 09:28:08 (M)
18. z	ePKP ₂	12 30 45	S-lich der Kermadec-Inseln	32.2S; 178.0W h= 38km	H=12:10:13.1(U)

Januar 1973

18. z,n,e	e	13 41 38	Nahbeben		
z	e	41 44			(W)
18. z	ePKP	13 45 08	Santa-Cruz-Inseln	11.88;166.4E h=135km 12.08;166.6E	H=13:26:01.6(U) 13:25:48 (M)
18. z	e	14 38 53			
18. z,n	e	15 17 26			
18. z	e	19 11 18	Montenegro, Jugoslawien	42.8N; 19.2E 43.1N; 19.1E	H=19:07:36 (B) 19:07:38 (M)
n	e	12 01			
z,e	e	12 06			
n	i	12 41.0			
z,e	18g	12 48.0			
z,n	e	12 56			
18. z,n	e	19 38 29			
18. z,n,e	eSg	21 56 00	Savoyen, Frankreich	45.3N; 6.6E 45.3N; 6.7E h N	H=21:51:55 (B) 21:51:56.4(U)
19. z	e(P)	01 02 25	Spuren, Gebiet der Insel Kodiak oder: Alaska	57.1N;153.9W h= 32km 64.0N;159.7W	H=00:50:57.3(U) 00:51:48 (M)
19. z,n,e	e	04 00 18			
z	e	00 59			
19. z,n,e	e	10 39 43	1.4/27 1.1/41 1.1/29		
19. z	e	13 12 35			
19. z	eP	14 13 41	Spuren, S-lich von Hondo, Japan	33.1N;140.7E h= 60km	H=14:01:15.0(U)
19. z	1PKP, i	23 44 07.2D 44 19.5	Gebiet der Tonga-Inseln	23.4S;175.6W h N	H=23:24:14.8(U)
20. z	eP	06 17 11	Nahe der E-Küste von Hondo, Japan	34.9N;140.8E h= 47km 35.2N;141.1E	H=06:04:51.0(U) 06:04:50 (M)
20. z	1PKP, epPKP ₂	08 52 47.3D 52 58	1.5/44 S-lich der Kermadec-Inseln	33.3S;178.3W h N	H=08:32:10.9(U)
20. z	1P o	10 26 11.3 26 25	Nahe der E-Küste von Hondo, Japan	34.9N;140.8E h= 43km 35.2N;141.0E	H=10:13:51.3(U) 10:13:51 (M)
20. z	e eSg	10 42 47 43 25	Gebiet der Insel Oleron, Frankreich	46.0N; 1.4W	H=10:37:29 (B)
20. z N,E,V	eP oIm	12 42 50 13 07	W-Pakistan t14 an4 ae3 av3	29.3N; 68.6E h= 17km 29.6N; 68.7E	H=12:34:19.6(U) 12:34:24 (M)
20. z N,E,V	e(P) oIm	12 55 15 13 20	W-Pakistan t14 an4.5 ae2.5 av3.5	29.5N; 68.6E h= 15km 29.8N; 68.6E	H=12:46:44.0(U) 12:46:50 (M)

Januar 1973

20. z	eP	13 19 18	Nahe der E-Küste von Hondo, Japan	35.0N;140.9E h= 25km H=13:06:45.8(U) 35.1N;141.1E 13:06:47 (M)
20. z N,E	eP eIm	16 42 23 17 20	D Nahe der E-Küste von Hondo, Japan	34.9N;140.9E h= 20km H=16:29:59.1(U) 35.2N;141.0E 16:29:57 (M)
20. z	1P	17 07 41.4	Nahe der E-Küste von Hondo, Japan	34.9N;140.9E h= 33km H=16:55:19.8(U) 35.5W;140.8E 16:55:23 (M)
20. z	1PKP	18 43 11.8D	Salomonen	6.9S;155.8E h= 75km H=18:24:16.1(U)
21. z	eP	04 51 12	W-Pakistan	29.3N; 68.6E h= 20km H=04:42:43.4(U) 29.5N; 68.7E 04:42:47 (M)
21. z	eP	08 28 29	1.4/23 Hondo, Japan	36.1N;139.8E h= 61km H=08:16:18.8(U) 36.5N;139.5E 08:16:18 (M)
21. z z	1PKP e	20 40 09.2K 40 53	0.8/38 Tonga-Inseln	15.9S;174.1W h=129km H=20:20:49.3(U)
22. z z z,n,e,E,V z n,e N,E V N,E N,E,V	eP e 1PP e e eSKS e eL eIm F	00 51 08 54 15 54 46.2K,N,E 2.1/145 2.0/50 2.1/110 55 14 55 31 01 01 42 02 25 24 36 02 30	1.6/29 S,W 92° MPFV _k =6.1 MPPH _k =6.2 MLH=6.4 t24 an11.5 ae5.5 t16.5 an6.5 ae10 av11.5 Vor der Küste von Jalisco, Mexiko	18.6N;105.0W h N H=00:37:58.0(U) 16.3N;105.6W 00:37:55 (M)
22. z	e	01 06 16		
22. z	e	05 24 04		
22. z	e	08 50 20	Spuren	
22. z	e	22 29 37		
23. z z z z N,E,V	ePKP i ePKKP eSKKP eLm	00 04 25 05 02.8 14 33 18 28 58	122° MLH=6.1 Gebiet von Neu-Britannien t20 an3.5 ae3 av3.5	6.0S;149.7E h= 72km H=23:45:36.7(U) 5.8S;150.0E 23:45:33 (M)
23. z	e	01 27 21		
23. z z,n,e,V z,n,N,V z z,n,e,N,E,V z N,E z,n z z,n,V N,E,V	1(PKHKP) ePKIKP ePP e iSKP e e e e eSKKP eLm	05 08 46.4 08 57 11 35 11 59 12 21.9 13 02 13.3 15 35 20 16 22 05 06 02	135.5° Santa-Cruz-Inseln	12.1S;166.5E h= 97km H=04:49:45.7(U) 12.2S;166.8E 40 04:49:39 (M)
23. z	1P	08 52 26.0K	0.7/14	
23. z	eP	11 41 04	S-liche Provinz Sinkiang, China	40.4N; 91.0E h N H=11:31:48.3(U) 40.2N; 91.2E 30 - 35 11:31:47 (M)
23. z,n,e z	eP i	11 51 04 51 12	Mittelmeer, S-lich Kreta	34.3N; 25.1E H=11:46:46 (B) 34.3N; 25.1E h N 11:46:42.6(U) 34.3N; 24.9E 11:46:42 (M)

Januar 1973

23. z	e	11 56 13	Spuren		
23. z,e z,n e	eSn e eSg	14 00 40 01 27 01 47	S-Jugoslawien	43.2N; 21.1E	H=13:56:24 (G)
23. z,n	e	14 33 18			
24. z z	eP e	03 28 52 31 21	1.5/29 S-liche Provinz Sinkiang, China	41.0N; 82.2E h N 41.0N; 82.2E 30 - 35	H=03:20:20.2(U) 03:20:20 (M)
24. z,n,e z n,e z,n z,e	1Pb 1Pg 1Sg 1 1	07 59 30.8 59 31.2 59 45 59 47.1 59 50.8	120km Sprengung 15t	50°47.4'N; 14°31.5'E	(G)
24. z	eP	10 36 24	Vor der E-Küste von Hondo, Japan	37.4N; 142.1E h= 57km	H=10:24:14.5(U)
24. z,n	e	13 23 07			
24. z,n	e	18 04 11			
25. z,n,e z,n,e	1P e	18 43 45.2K,S,W 43 52	1.2/130 1.3/59 1.1/27 Nahe der E-Küste von Kamtschatka	54.6N; 161.6E h= 31km 54.5N; 161.6E 80	H=18:32:27.4(U) 18:32:31 (M)
26. z,n	e	03 35 01			
26. z,n z,e z z	1P e e e	07 54 06.3 54 16 54 30 57 27	Mittelmeer, S-lich des Peloponnes	35.7N; 22.2E 35.8N; 22.1E h= 58km 35.7N; 22.0E	H=07:50:14 (B) 07:50:12.8(U) 07:50:10 (M)
26. z	eP	13 18 14	1.5/26 Carlsberg-Rücken	1.2S; 67.4E h N	H=13:07:07.1(U)
26. z,n z,e	1PKIKP 1	13 24 55.2D 24 59.2	1.4/94 1.7/49 Tonga-Inseln	17.5S; 173.0W h N	H=13:05:16.8(U)
27. z	eP	04 16 13	Kurilen	50.4N; 156.8E h= 47km 50.2N; 157.0E 60	H=04:04:41.6(U) 04:04:42 (M)
27. z z z z,n,e z z z z z z N,E,V	1P e e ePP e e e(SKS) 1PKKP ₁ ePKKP ₁ eLm ₂	13 22 38.2D 25 55 26 42 26 56 28 27 29 53 33 33 38 35.0 38 54 14 12	1.3/27 103° N-Celebes	0.1S; 123.9E h= 55km 0.2S; 124.0E	H=13:08:43.7(U) 13:08:40 (M)
27. z,n,e	e	19 53 54	Bergschlag Oberschlesien, Polen		(P)
27. z,n,e,V	1PKP	20 57 38.5K	1.3/180 1.4/65 1.3/38 Gebiet der Tonga-Inseln	15.6S; 171.8W 17.5S; 172.9W h N	H=20:38:08 (M) 20:38:00.3(U)
28. z	1PKP ₁	08 36 22.0	0.9/26 Gebiet der Fidshi-Inseln	19.7S; 178.0W h=413km	H=08:17:25.4(U)

Januar 1973

28. z,n	1PKP	14 37 37.0K 1.5/40 /		16.5S;173.8W h N	H=14:18:03.1(U)
			Tonga - Inseln		
28. z	eP	17 13 29	Hokkaido, Japan	42.3N;141.2E h=130km	H=17:01:51 (M)
				41.8N;141.1E 53	17:01:46.3(U)
28. z,n,e	1PKP ₁	17 53 58.7 1.5/79 1.6/34 /		19.3S;175.9W h=236km	H=17:34:42.1(U)
z	1pPKP ₁	55 03.6	Tonga - Inseln	19.3S;175.1W	17:34:17 (M)
28. z,n,e,V	1PKP	18 02 39.7K,S,W 1.7/230 1.4/90 1.5/44		19.8S;169.0E h= 72km	H=17:43:14.6(U)
z	d	02 52	Neue Hebriden	20.1S;169.8E 50	17:43:11 (M)
n	e	02 57			
z,n	e	03 14			
n	i	05 22.1			
N,E,V	eLm	19 07			
28. z	1Pg	21 55 46.3 195km			
n,e	e	55 49	Bergschlag Pribram, CSSR		(O)
z,n,e	1Sg	56 12.0			
29. z	e	02 09 40			
29. z	eP	04 40 19	Spuren, NW-Kaschmir	35.8N; 73.3E h= 53km	H=04:32:06.6(U)
				35.5N; 73.5E	04:32:02 (M)
29. z	eP	06 05 49	W-lich der	38.0N; 20.0E	H=06:02:29 (B)
z	e	06 00	Ionischen Inseln	38.2N; 19.9E h N	06:02:32.4(U)
z,e	e	09 05		38.1N; 19.9E	06:02:30 (M)
29. z,n	e	07 38 56			
29. z	1PKP	10 27 09.7			
29. z,n,e	1PKP ₁	14 46 04.7K 1.5/77 1.7/35 /		21.9S;174.9W h N	H=14:26:15.7(U)
			Tonga - Inseln	19.3S;174.0W	14:26:22 (M)
29. z	eP	21 36 04	SW-liche Riu-kiu-Inseln	23.9N;123.4E h= 53km	H=21:23:39.6(U)
				24.5N;123.4E	21:23:40 (M)
30. z,n,e	e	01 32 30			
30. z	eP	07 57 38	Turkei	38.1°N;42.4°E	H=07:52:19 (M)
30. z,V	1P	21 14 13.1K 2.2/110			
z,n,e	1	14 16.2S,E 91°			
z,n,e	1	14 19.8			
z,n,e,N,E,V	1Pm	14 24 2.5/1300 2.2/265 2.3/490			
z,n,e	1	14 29.8			
N,E,V	e	14 47	t19 an5.2 ae5.9 av15.7		
V	e	17 48	MPV _k =6.8 MPH _k =6.9 MPV ₁ =7.0		
e	1	17 56.8	t22 an10.0 ae12.3		
z,N,E	e(PPm)	18 17	t17 av17.5		
V	e(PPm)	18 17			
E	e	23 18	MPH ₁ =7.1 MPPH ₁ =7.3		
H,E	e(SKS)	24 32	t22 an15.8 ae26.6		
n,e,N,E	eSm	25 16	MPFV ₁ =7.2 MSH ₁ =7.0 MLH=7.8		
z	ePKKP	31 36			
N,E	eSS	32			
N,E	e(SSS)	36			
z	e(PKPPKP)	39 55	Nahe der Klatsche	18.5N;103.0W h= 43km	H=21:01:12.5(U)
z	e	40 11	von Michoacan, Mexiko	20.2N;103.1W	21:01:18 (M)
e	e(PKPPKS)	43 23			
WN,N	eLm	58	t17 an(180)		
WE,E	eLm	59	t19 ae(210)		
V	eLm	59	t17 av(220)		
31.	P	02			

Januar 1973

30. n,e	e	22 53 29	
e	e	53 39	
31. z,n,e	1Pg	14 20 32.0	Sprengung
z,n,e,N,E,V	18g	20 33.5	
31. z,n,e	1P ₁	21 07 48.8K,S,W 88° h=530km	
z,n,e,N,V	1P ₂	07 51.2 1.8/630 1.7/150 1.7/130	
z,n	1	07 57.0	
z,n,V	1pP	09 45.2	MPV _k =6.1 MPH _k =6.0
N	e	09 52	MSH ₁ =6.8
V	esP	10 35	
z,n	1	10 55	
N,E	ePP	11 28	
N,E,V	e	14 00	Gebiet der Bonin-Inseln 28.2N;139.2E h=498km H=20:55:53.1(U)
z,V	esPP	14 15	28.3N;139.3E 515 20:55:55 (M)
N,E	e(SKKS)	17 32	t1) an13.5 ae9.5
z,n,e,N,E	1S	17 45	
z,N,E,V	eSP	18 52	
V	e	20 26	
N,E	esS	21 03	
n,e	e	21 13	
N,E	1SS	23 48	
z	1	24 25.6	
N,E	eSSS	27 22	
N,E	eSSSS	30.8	
z	ePKPKP	33 43	
z	eSKPKP	35 54	
	F	23	
31. z	1	21 08 31.3	
31. z,n,e	e	23 02 15	

Februar 1973

1. z,n,e	1PKP	03 01 00.7K	1.3/47 / /		
1. z	eP	05 27 45			
z,n,e,V	i	27 47.0D	W 2.0/165 / 1.9/70		
z,e	epP	28 47			
z,n,e	ePP	31 50	101° h=250km MFV _k =6.2		
z,n	epPP	32 42			
n,e,N,E	e	33 14			
n,e,N	iSKS	38 04.7	{ 3.5/350 3.5/810		
n,e,N	eS	39 03	t10 an1.8 ae4.3		
E	e	39 53	MLH=5.8 (nicht tiefenkorrigiert)		
E	e	42.3	Provinz Jujuy,	22.78; 66.2W	h=229km H=05:14:20.6(U)
z	ePKKP	43 57	Argentinien	22.78; 66.3W	240 05:14:23 (M)
z	ePKKP	44 22			
N,E,V	eLm	06 15	t18 an0 ae2.5 av2		
1. z	ePKIKP	07 46 57	D		
z,n,e,N,V	1PKP ₁	46 58.2D	2.3/800 2.1/235 1.8/130		
z,e	i	47 09.0	Tonga - Inseln	17.78; 175.2W	h=232km H=07:27:44.8(U)
z	i	47 23.6		17.78; 175.6W	240 07:27:47 (M)
z,n,V	epPKP ₁	47 59			
n	e	50 13			
z,e	ePP	50 20			
1. z	e(PKP ₁)	08 31 47	S-lich der		
z	e	31 56	Fidschi-Inseln	25.48; 176.1W	h= 50km H=08:11:53.4(U)
1. z	e	08 55 34	Spuren		
1. z,n,e	e	14 00 44	Spuren, Bergschlag		
			Oberschlesien, Polen		(P)
1. z,n,e	e	15 15 11			
z,n,e	e	15 16			
1. z,n,e	1P	17 35 45.6K	2.0/82 1.9/44 /		
n	e	36 08	Ratten-Inseln,	51.8N; 176.3E	h= 51km H=17:24:00.9(U)
z	e	36 17	Aleuten	51.8N; 176.0E	40 17:24:00 (M)
E,V	eLm	18 11			
1. z,n,e	e	18 25 10			
1. z,n,e	e	21 16 53	Bergschlag Oberschlesien,		
			Polen		(P)
2. z	1PKP	08 42 08.2	Gebiet der		
			Fidschi-Inseln	17.5S; 178.9W	h=609km H=08:23:36.6(U)
2. z,n,e	e	08 55 30			
2. z,n,e	1Pg	10 58 50.2	Sprengung	11t	50.43°N; 13.83°E (C)
z,n,e	1Sg	59 05.5			
2. z,n	1Pb	12 59 18.1	125km Sprengung	7t	50.17°N; 13.17°E (C)
z,n,e	1Pg	59 18.6			
z,n,e	1Sg	59 35.0			
z,n	1L	59 36.2			
2. z	i	22 59 20.3	Spuren		
3. z,n,e	e	11 42 00	Bergschlag Ober-		
			schlesien, Polen		(P)
4. z,n,e	e	05 28 19	Kroatien, Jugoslawien	43.8N; 16.2E	H=05:24:25 (B)
4. z,e	1P	10 49 31.9D	1.0/40 /		
z	e	51 44			

Februar 1973

4. z	eP	13 13 39	Spuren, Nahe der E-Küste von Hondo, Japan	35.0N;141.3E h N 35.1N;141.5E	H=13:01:16.6(U) 13:01:17 (M)
4. z	e	15 45 21			
4. z	eP	16 50 41			
4. z	e	20 27 14			
4. z,n,e	e	23 53 42			
5. z,n,e	iP	04 42 23.4K	1.4/87 / / Kurilen	43.9N;147.5E h= 53km 44.5N;147.4E 80	H=04:30:33.1(U) 04:30:39 (M)
5. z	e	16 53 52			
n,e	e	54 52			
z,n,e	e	55 35			
5. z	eP	22 07 22	Spuren, Nahe der E-Küste von Hondo, Japan	34.9N;140.9E h= 34km	H=21:54:59.3(U)
6. z,n,e	iP	05 42 18.2D	1.4/105 / / Riu-kiu-Inseln	27.9N;127.7E h= 81km 28.0N;127.9E 75	H=05:30:02.0(U) 05:30:02 (M)
6. z	e	08 54 42			
z	e	55 38			
6. z,n,e	iP	10 47 46.6	1.6/38 1.9/41 1.3/29		
z,n,e,V	i	47 52.9	65° MPV ₁ =6.6 MPH ₁ =6.8		
z,n,e,WH,	i	47 59.3	t7 ae2.5 an0 av5.7		
WE,N,E,V	iFm	48 07.4	2.3/850 2.1/340 2.3/500		
z,n,e	e	49 26	MSH=7.3 Mag=8.3		
V	e	50 05			
e	e	50 29	Provinz Szetschuan, China	31.4N;100.6E h N	H=10:37:10.1(U)
WE	e	51 16		31.5N;100.6E	10:37:11 (M)
N,E	e	52 08			
WH,WE,N,V	eS	56 35	t21 an52		
V	e	56 47			
WE,E	eSS	11 00.8			
WH,N	eSSS	03.5			
WH,WE,AN,An	eIm	12	(t24 an1650 ae700)		
V	eIm	17	t19 av(255)		
F	F	15			
7. z,n,e	iPKP	02 27 54.8K	1.8/320 2.0/75 2.0/80		
z	e	28 05	Gebiet der Tonga-Inseln	17.6S;172.7W h N	H=02:08:16.9(U)
7. z	e	04 04 09	Jugoslawien	43.0N; 17.9E	H=04:00:36 (B)
n,e	eSn	04 27		43.0N; 17.8E h N	04:00:35.4(U)
z,n,e	e	04 50			
7. z,n	e(P)	05 33 52	W-Iran	32.0N; 49.4E h= 51km 31.3N; 49.2E	H=05:27:20.0(U) 05:27:15 (M)
7. z	eFP	08 20 29	Spuren, Gebiet der S-Sandwich-Inseln	55.9S; 27.8W h N 56.7S; 30.9W h=150km	H=08:01:13.7(U) 08:01:24 (M)
7. z	eP	09 52 14	Gebiet der Insel Jan Mayen	71.6N; 6.9W h N	H=09:47:18.7(U)
7. z,n,e	i	12 39 42.4K	0.9/22 / 0.8/21		

Februar 1973

7. z,n,e z,n,e,V n,e z,n,e N,E V	1P 1 e eS eLm eLm	16 17 00.6D,N,E 1.6/200 1.5/47 1.7/100 17 03.9W 65° MLH=5.9 17 13 25 42 N,E 46 49	t16 an6 ae1 Provinz Szetschuan, China	31.5N;100.3E h N H=16:06:25.0(U) 31.4N;100.5E h= 20km 16:06:23 (M)
8. z	eP	02 46 36	Spuren, Kurilen	50.5N;156.4E h= 80km H=02:35:09.0(U)
8. z z	e e	03 40 52 41 16	Ionisches Meer	38.3N; 20.2E H=03:37:21 (B) 38.3N; 20.3E h= 32km 03:37:23.1(U) 38.0N; 20.3E 03:37:20 (M)
8. z E	ePKP eL	09 57 44 10 48	Vor der Küste von S-Chile	45.0S; 77.9W h N H=09:38:43.7(U) 45.2S; 80.1W 09:38:44 (M)
8. z z N,E	ePKP ePP eLm	10 27 58 29 22 11 22	SE-Indischer Rücken t18 an3 ae25	45.5S; 96.3E h N H=10:09:08.3(U) 45.7S; 98.2E 10:09:01 (M)
8. z,n,e z,n,e	1Pg 1Sg	11 45 32.0 45 46.7	110 km Sprengung 14t	50.56°N;14.00°E (G)
8. z	e(P)	12 00 47	Ionisches Meer	37.8N; 20.1E H=11:57:13 (B) 38.4N; 20.0E h= 17km 11:57:19.7(U) 38.0N; 20.7E 11:57:19 (M)
8. z	e	12 04 09	Spuren	
8. z z,n,e	e(P) e	16 47 57 51 13	Ionische Inseln	38.5N; 20.4E H=16:44:37 (B) 38.4N; 20.1E h N 16:44:31.5(U) 38.1N; 20.0E 16:44:27 (M)
8. z,n,e z	e e	19 15 16 15 35		
8. z,n z z,n n	eP e e(P) e	19 16 03 16 42 18 18 20 00	2.3/94 / Gebiet der Insel Ascension	10.4S; 13.0W h N H=19:05:21.9(U) 9.5S; 13.4W 19:05:25 (M)
9. z	e	03 55 15	Spuren, S-lich von Hondo, Japan	31.4N;141.8E h N H=03:42:24.6(U) 31.9N;141.8E 03:42:28 (M)
9. z	eP	10 05 52	1.7/35 Kolumbien	4.6N; 76.0W h= 84km H=09:53:18.5(U)
9. z,n,e	e(P)	11 32 01	1.6/35 / 1.6/40	
9. z,n,e z,n,e e z,n,e	1Pg 1Sg 1 eL	13 39 20.8 39 30.8 39 33.6 39 42	Sprengung	
10. z	eP	03 44 44	Spuren, Taiwan	24.3N;121.8E h= 56km H=03:32:28.0(U) 24.3N;122.2E 03:32:24 (M)
10. z,n z z	1P 1 epP	05 24 43.2K 1.0/22 / 24 45.9 24 56	S-lich von Hondo, Japan	33.2N;140.7E h= 62km H=05:12:17.7(U) 33.5N;140.8E 05:12:16 (M)

Februar 1973

10. z	1PKP ₁	11 07 55.3K 1.1/26	Gebiet der Tonga-Inseln	22.38;174.9W h N	H=10:48:05.4(U)
10. z	eP	12 06 29 K 91° MLH=6.1			
z,e	i	06 33.0D	Naher der Küste von	18.9N;103.5W h N	H=11:53:27.5(U)
E	i	06 39.0	Michoacan, Mexiko	18.3N;104.1W	11:53:25 (M)
N,E	e(S)	17 16			
N,E	ePS	18.7			
E	eSS	24.3			
N,E,V	eIm	48	t18 an3 ae5 av6.5		
V	eLm	51	t15 av6.5		
10. z,e	1P	14 48 19.OK 2.1/150 3.0/295			
z,e	e	48 30	Carlsberg - Rücken	2.5N; 66.4E h N	H=14:37:35.1(U)
n	e	48 35		1.8N; 66.2E	14:37:30 (M)
z	ePP	50 37			
z,e	e	50 54			
10. z,n,e	1P	17 07 10.3K,N 1.5/90 / /			
N,E,V	eLm	42	Kurilen	49.9N;156.1E h N	H=16:55:33.9(U)
				49.7N;156.3E h= 70km	H=16:55:36 (M)
10. z	eP	17 14 55	Iran	31.9N; 56.1E h= 42km	H=17:07:47.5(U)
				31.2N; 56.0E	17:07:43 (M)
10. z	eP	18 16 07	1.5/25		
			Carlsberg - Rücken	2.6N; 66.3E h N	H=18:05:23.9(U)
				2.5N; 66.3E	18:05:23 (M)
10. z	eP	22 19 37	1.8/52		
			Carlsberg - Rücken	2.6N; 66.3E h N	H=22:08:52.8(U)
				2.2N; 66.3E	22:08:52 (M)
10. z	1PKP ₁	22 52 30.9D 0.9/22			
			S-lich der Fiduchii-Inseln	23.48;180 h=570km	H=22:33:42.1(U)
11. z	e	04 02 55			
11. z	eP	09 07 26	Kreta	35.6N; 23.9E	H=09:03:27 (B)
				35.7N; 23.9E h= 31km	09:03:22.7(U)
11. z	1PKP	10 51 27.3D 1.1/12			
			Gebiet von	6.6S;147.4E h= 78km	H=10:32:40.2(U)
			E-Neuguinea	6.1S;147.5E	10:32:37 (M)
11. z	ePKP ₂	15 04 45	Kermadec - Inseln	29.8S;177.6W h= 63km	H=14:44:29.8(U)
z	e	05 05			
11. z	ePKP	15 10 13	1.1/25		
			Gebiet der Fidschi-Inseln	21.1S;178.0W h=571km	H=14:51:28.3(U)
11. z,e	e	23 53 35			
12. z	1PKP ₁	04 55 28.1D 1.3/23			
			Gebiet der Fidschi-Inseln	23.6S;176.9W h=411km	H=04:36:25.1(U)
13. z,n,e,N,V	1PKP	15 41 31.8D 1.7/(950) 1.7/400 1.5/195			
z	i	42 42.4	Gebiet der Fidschi-Inseln	17.5S;178.5W h=541km	H=15:22:55.1(U)
z	e(PKJKP)	51 25		17.6S;178.1W 415	15:22:42 (M)
13. z	ePKP	18 21 07	Neue Hebriden	20.5S;169.7E h=143km	H=18:01:49.8(U)

Februar 1973

13. z z,e	eP 1	20 05 43 05 45.0D	K Andreanow-Inseln, Aleuten	51.2N;179.2W h= 46km H=19:53:53.5(U) 51.4N;179.1W 19:53:52 (M)
14. z,n,e,V z,e N,E,V	iP 1 eLm	01 01 43.1K,S,W 1.2/265 1.2/72 1.1/69 01 48.6D 43	Gebiet von Taiwan	22.3N;121.6E h= 38km H=00:49:16.2(U) 22.4N;121.6E 00:49:17 (M)
14. z,n	e	03 30 46	/ 1.4/31	
14. z	eP	07 23 13	Spuren, S-lich Alaska	53.8N;158.9W h= 32km H=07:11:32.0(U) 53.9N;158.8W 07:11:33 (M)
14. z,e z	iPKP ₁ iPKP ₂	09 46 45.2D 46 49.0	0.9/52 / Gebiet der Fidschi-Inseln	20.18;178.3W h=608km H=09:28:06.4(U)
14. z z z,n	ePKP ePP ePKS	09 52 05 54 23 55 26	Salomonen 1.7/105 1.8/45	9.9S;160.9E h= 62km H=09:32:58.8(U) 9.8S;160.8E 09:32:55 (M)
14. z,n,e	e	15 06 14	Bergschlag Ober- schlesien, Polen	(P)
14. z z,n,e z N,E N,E,V	e(PKIKP) e ePP eSS eLm	16 31 14 31 50 35 22 55.6 17 53	Kermadec - Inseln	30.4S;177.5W h= 29km H=16:11:14.9(U) 30.3S;177.7W 16:11:16 (M)
14. z z,e z	eP ipP esP	21 57 38 58 04.7K 58 16	Hondo, Japan	39.0N;141.5E h=110km H=21:45:42.4(U) 39.1N;141.6E 110 21:45:42 (M)
14. z	iP	22 48 25.4K	1.2/34 Nahe der E-Küste von Hondo, Japan	37.0N;141.5E h= 56km H=22:36:14.6(U) 37.0N;141.7E 22:36:11 (M)
15. z	ePKP ₂	04 20 35	Kermadec - Inseln	30.3S;177.4W h= 54km H=04:00:00.8(U)
15. z	eP	05 44 24	S-Sumatra	4.3S;103.1E h=107km H=05:31:19.5(U) 4.4S;102.9E 05:31:11 (M)
15. z	eP	07 39 54	Nahe der E-Küste von Kamtschatka	56.1N;163.6E h= 45km H=07:28:44.5(U) 55.9N;163.6E 65 07:28:45 (M)
15. z z	eP e	07 56 21 56 29	S-lich Panama	6.0N; 82.4W h N H=07:43:27.4(U)
15. z	ePKP ₂	11 27 37	Spuren, Kermadec-Inseln	30.4S;177.3W h= 25km H=11:06:59.9(U)
15. z,n z,n,e	e e	15 21 12 21 17		
15. z	e	15 27 02	Spuren	
15. z	e	21 32 19	Spuren	
15. z	iP	22 29 25.2D	1.0/31 Kurilen	47.0N;153.8E h N H=22:17:37.0(U)
16. z	e	03 13 48		

Februar 1973

16. z	ePKP	05 10 31	Tonga-Inseln	15.38;173.3W h= 50km H=04:51:01.4(U) 15.38;172.7W 04:50:59 (M)
16. z,n,e	iP	05 10 37.4K,S,W 0.7/125 0.6/55 0.8/78		
z	i	10 40.5		
z	e	10 55	Unterirdische Kernexplo-	50.0N; 78.4E H=05:03:00 (B)
z	e	12 05	sion, Gebiet von Semipala-	49.8N; 78.2E h= 0km 05:02:57.7(U)
n	e	12 11	tinsk, Kasachische SSR	
z	e	13 48		
z	e	14 22		
16. z,n,e	iPg	08 28 48.3	155km Spuren Sprengung 11.7t	
z,n,e	iBg	29 06.6		50.90°N; 15.07°E (C)
16. z	ePKP ₂	12 14 44	Kermadec - Inseln	30.2S;177.2W h= 42km H=11:54:18.8(U) 32.3S;179.8E 11:54:19 (M)
16. z	e(P)	13 59 16	Spuren, Gebiet der Nikobaren	6.8N; 94.3E h= 27km H=13:47:08.0(U) 7.0N; 94.2E 13:47:11 (M)
16. z,n	e	18 22 40		
16. z	e	20 54 15	Mittelitalien	42.9N; 12.6E H=20:50:10 (B)
n,e	e	54 29		
z	eL	55 07		
17. z	iPKP	15 08 58.7	0.8/17	
17. z,e	iP	16 13 38.6K 1.1/22 1.2/14		
z	e	13 44	Leeward - Inseln	17.0N; 61.4W h= 34km H=16:02:45.5(U) 18.1N; 61.6W 16:02:51 (M)
z	e	14 12		
17. z	iP	19 26 49.4K Kurilen		45.2N;148.6E h=113km H=19:15:11.4(U)
z,n,e,V	i	26 50.1D,E 1.0/210 / 0.8/57		45.6N;148.6E 135 19:15:15 (M)
17. z	e	19 48 24	Norwegisches Meer	73.0N; 4.8E H=19:43:10.4(F)
18. z,e	eP	04 01 57	2.6/145 /	
z	e(PP)	05 21	S-atlantischer Rücken	36.7S; 17.2W h N H=03:48:52.9(U)
N,E	eSS	18.8		
18. z	iP	06 42 30	D 0.9/24	
18. z	ePKP ₂	07 52 17	1.8/33 Kermadec - Inseln	30.2S;177.5W h= 20km H=07:31:50.8(U) 30.4S;177.1W 07:31:52 (M)
18. z	ePKIKP	18 29 19	2.2/53	
z,n,e	ePKP ₂	29 51	1.9/170 1.9/51 /	
z	i	29 59.2		
z,n,e	e	32 13	157.5°	
z	e	32 36	Kermadec - Inseln	30.2S;177.6W h= 49km H=18:09:27.2(U)
N,E,V	eL	19 37		30.3S;177.8W 18:09:26 (M)
N,E	eL	20 03		
18. z,e	eL	20 31 09	Mittelitalien	42.7N; 12.5E H=20:26:20 (B)
18. z	ePKP ₂	20 33 43	1.1/18 Kermadec - Inseln	30.3S;177.4W h= 52km H=20:13:10.3(U)
18. z	e	21 06 53	Spuren	

Februar 1973

18. z	e	21 47 11	Spuren, Grenzgebiet Kir-	40.8N; 74.1E h= 33km	H=21:39:02.3(U)
z	e	47 38	gisische SSR-Sinkiang	40.9N; 74.1E	21:39:03 (M)
19. z	ePP	09 00 18	Gebiet der	45.58; 35.1E h N	H=08:42:52.1(U)
N	eSKS	07 19	Prinz-Edward-Inseln	46.58; 35.7E	08:42:44 (M)
N,V	ePS	09 34			
N	eSS	14.8			
E	eSSSS	22.2			
N,E,V	eIm	43	t18 an5 ae3 av5		
19. z,n,e	e	16 54 40			
19. z	e	17 47 28			
19. z,e	eP	18 14 14	1.7/30 /	40.3N; 34.0E	H=18:10:03 (B)
z,n	e	14 51	Türkei	40.2N; 33.9E h= 22km	18:10:00.5(U)
N,E,V	eIm	21		40.6N; 33.9E 15	18:10:02 (M)
19. z	ePKP ₂	20 28 08	S-pazifischer Rücken	57.58;141.0W h N	H=20:07:11.9(U)
20. z,n	eP	05 59 32	1.0/21 /	34.4N; 24.1E h= 55km	H=05:55:20 (B)
z,n,e	e	59 49	Mittelmeer, S-lich Kreta	34.4N; 23.8E 22	05:55:14.4(U)
				34.8N; 23.8E	05:55:19 (M)
20. z	1P	07 51 47.2K	1.7/33		
z,n,e	e	51 53	Golf von Alaska	58.3N;149.8W h= 12km	H=07:40:34.8(U)
z	ePP	54 26		58.5N;150.2W 40	07:40:40 (M)
N,E	eIm	08 22			
V	eIm	29			
20. z	eP	11 42 48	Straße von Kertsch,	44.8N; 37.2E	H=11:38:43 (B)
z	e(P)	43 00	Schwarzes Meer	45.0N; 36.4E h= 17km	11:38:48.8(U)
e	e	43 12		45.3N; 36.5E	11:38:51 (M)
z	e	47 47			
e	e	48 26			
20. z	eP	14 24 22	S-lich von Hondo, Japan	32.4N;137.4E h=401km	H=14:12:37.8(U)
20. z	ePKP ₂	21 27 32	Kermadec - Inseln	30.48;177.1W h N	H=21:07:07.2(U)
20. z	ePKP ₂	22 26 03	Spuren, Gebiet der Balleny - Inseln	62.68;167.4E h N	H=22:05:19.6(U)
21. z,n,e	e	02 17 29			
21. z	eP	08 33 49	Spuren, Provinz Szetschuan, China	31.7N;100.1E h N	H=08:23:15.2(U)
				31.4N;100.5E	08:23:12 (M)
21. z,e	e	08 56 03			
21. z,n,e	1Pg	10 38 22.7	Sprengung		
z	1Sg	38 24.5			
z	1	38 51.6			
21. z,e	1Pg	10 48 19.2	Spuren Sprengung		
z,n	1Sg	48 22.0			
z	1L	48 23.4			
e	1	49 10.8			
21. z	1PKP	12 33 34.0D	0.7/11		
			Gebiet von Neu - Britannien	5.38;151.5E h= 90km	H=12:14:47.2(U)
				5.28;152.0E	12:14:39 (M)

Februar 1973

21. z,n,e	iP	14 58 33.3	2.0/150 2.3/88 2.2/85		
z	e	58 58	85° MLH=5.9		
z	e	59 19			
E	e	15 01 37	B - Kalifornien	34.1N; 119.0W h= 8km H=14:45:57.3(U)	
H,E	eS	09.2	t18 an3 ae3	34.7N; 119.2W	14:46:02 (M)
H,E	eLm	37	t15		
V	eLm	40	av3.5		
21. z	ePKP ₂	15 03 13	N-Insel von Neuseeland	39.6S; 176.6E h= 38km H=14:42:23.4(U)	
21. z,n,e	i	15 19 37.2			
z,n	i	19 41.9			
21. z,n,e	e	20 10 39	Bergschlag Oberschlesien, Polen		(P)
22. z	eP	00 42 58	1.7/38 Guatemala	14.5N; 91.6W h=107km H=00:30:20.3(U)	14.7N; 91.9W 00:30:13 (M)
22. z,n,e	ePg	06 50 09	570km		
z,n	e	50 31	Vogesen, Frankreich	48°17'N; 6°36'E	H=06:48:32 (B)
z	i	51 07.0		48.2N; 6.6E h N	06:48:33.0(U)
z,n,e	eSg	51 18			
22. z	iP	10 54 57.3K	0.7/14		
22. z	iPKP	16 41 10.2K	0.8/26 Gebiet von Neu-Britannien	4.6S; 151.8E h=154km H=16:22:32.2(U)	4.7S; 152.0E 16:22:18 (M)
22. z	eP	19 02 19	Spuren, Gebiet von Hokkaido, Japan	44.9N; 141.1E h=245km H=18:51:05.8(U)	
22. z	eP	19 10 12	Kurilen	47.3N; 148.6E	H=18:58:32.1(F)
22. z	e	20 24 12	Kermadec - Inseln	30.3S; 177.1W h= 75km H=20:03:58.2(U)	
z	e	24-40			
23. z,e	eP	04 39 29	Ecuador	2.1S; 78.2W h= 67km H=04:26:23.3(U)	2.2S; 78.0W 04:26:21 (M)
z	e	39 34			
z	e	39 57			
E	eLm	05 15			
23. z	eP	07 14 12	S-lich Kamtschatka	48.0N; 156.7E	H=07:02:23.8(F)
23. z	eP	10 54 16	Spuren, S-liche Provinz Sinkiang, China	37.6N; 86.4E h N	H=10:45:06.3(U)
				37.9N; 86.9E	10:45:08 (M)
23. z	ePKP	11 27 21	Gebiet von Neu-Britannien	7.0S; 150.0E h= 21km H=11:08:23.9(U)	6.0S; 150.2E 11:08:29 (M)
23. z	iP	19 49 30	K 1.0/19 Kostarika	9.8N; 83.9W h N	H=19:36:48.7(U)
23. z,n,e	iPKP ₁	21 16 25.2D	1.1/78 / 0.8/18		
z	iPKP ₂	16 35.0	1.1/31 151° S-lich der Fidschi - Inseln	23.9S; 180° h=518km H=20:57:31.0(U)	
24. z,n,e	iP	00 09 51.1K	1.2/50 / / Mittel - Iran	28.7N; 52.7E	H=00:02:46 (B)
				28.6N; 52.6E h= 27km	00:02:40.1(U)
				28.3N; 52.6E 15	00:02:36 (M)

Februar 1973

24. z,n,e	1PKP	07 57 50.9D	1.7/105 1.4/41 / Neue Hebriden	19.2S;168.7E h= 59km H=07:38:27.0(U) 19.18;169.0E 07:38:24 (M)
24. z	1PKP	17 04 22	D	
24. z	1PKP ₁	17 53 49.1	Gebiet der Fidsohi-Inseln	18.08;178.7W h=642km H=17:35:19.2(U)
24. z	e	20 04 11	Spuren, Bergschlag Ober- schlesien, Polen	(P)
24. z	eP	22 05 02	S-lich von Hondo, Japan	33.4N;140.5E h= 36km H=21:52:35.1(U)
24. z	eP	22 05 34	W - Pakistan	26.7N; 66.4E h= 54km H=21:57:04.3(U)
25. z	ePKP	05 54 41	1.8/71	
z	e	55 04		
z,n	e	55 43	119° MLH=6.3	
z,e	e	55 54		
z,n,v	ePP	56 02	Weddellsee	61.08; 37.9W h= 33km H=05:35:55.4(U) 61.18; 37.8W 05:35:55 (M)
z	e	58 27		
N	eSKS	06 01.6		
z	ePKKP	04 57		
V	e	05 51	t17	av4.5
N,E	1PS	06 02	N,E t16 an4.8 ae2.5	
z	e	09 44		
z	e	12 14		
N	eSS	12.7		
z	e	13 56		
N,E,V	eLm	39	t21 an7 ae3 av7	
P	P	08 30		
25. z	eP	07 35 04		
z	i	35 15.5K		
25. z	1P	10 44 33.8K	1.3/25	
z,n,e	i	44 44.6	89° MLH=5.8	
z	e	45 04		
N	e(S)	55 16		
N,E	eLm	11 26	t20 an3.5 ae0	
V	eLm	30		
P	P	12 30	S - Sumatra	1.78; 99.7E h N H=10:31:39.5(U) 1.98; 99.6E 10:31:39 (M)
25. z	1PKP	12 29 18.0K	0.8/15	
25. z,n,e	e	23 23 32		
25. z	e	23 57 48		
26. z,e	1P	00 56 24.1D	1.6/47 1.6/28 Kostarika	9.6N; 94.2W h N H=00:43:39.8(U)
26. z	eP	08 28 34	Kurilen	49.4N;155.6E h= 46km H=08:16:57.6(U) 49.1N;155.7E 45 08:16:55 (M)
26. z	eP	11 07 09	Gebiet der Philippinen	5.7N;127.0E h= 74km H=10:53:27.6(U) 5.8N;127.1E 30 - 35 10:53:23 (M)
z	e	10 28		
N,E	eLm	54		
26. z	eP	12 48 59	S-lich von Hondo, Japan	33.3N;140.5E h= 68km H=12:36:33.7(U)

Februar 1973

26. z,n,e	e	19 44 51	1.5/19 1.2/27 /		
26. z	eP	22 10 24	8 - Sumatra	1.8S; 99.7E	h N H=21:57:30.1(U)
z,n,e	e	10 34		1.8S; 99.6E	21:57:30 (M)
N,E	eLm	52			
26. z	e(PF)	22 26 21	Albanien	40.1N; 20.1E	h N H=22:23:10 (B)
z,n,e,E	e	30 23		40.0N; 20.1E	22:23:11.7(U)
				39.8N; 20.2E	22:23:10 (M)
26. z	e	23 26 40			
27. z,n,e	e	06 04 36	Bergschlag Oberschlesien, Polen		(P)
27. z	1P	07 54 05.2D	1.0/17		
27. z	eP	15 02 32	8 - Sumatra	1.7S; 99.7E	h N H=14:49:37.0(U)
				1.9S; 99.7E	14:49:36 (M)
27. z	eP	17 14 12	Türkei	38.8N; 29.8E	H=17:10:10 (B)
N,E,V	eLm	21.9	t13 an1 ae1 av2	38.8N; 29.9E	h= 33km 17:10:10.6(U)
				39.0N; 29.9E	17:10:12 (M)
27. z	eP	18 17 40	Fuchs-Inseln, Aleuten	52.5N; 168.7W	h= 47km H=18:05:53.2(U)
				52.2N; 168.7W	18:05:50 (M)
28. z,n,e,V	eP ₁	06 49 23	2.0/350 2.0/160 /		
z,n,e,WN,WE,1P ₂	e	49 31.8K	S,W 1.6/850 1.6/330 1.3/100		
N,E,V	e	49 38	t16 an20.0 ae10.4 av(35)		
z	e	50 00.1	74° MP ₂ V _k =6.5 MP ₂ H _k =6.3		
z,n,e	i	50 09.2	MPH ₁ =7.2 MPV ₁ =7.1		
z,n	e	50 16	MSH=7.2 MLH=7.7		
N,E,V	ePP	52 10			
z	e	53 44	Kurilen	50.5N; 156.6E	h= 27km H=06:37:49.5(U)
V	e	54 09		50.6N; 156.5E	70 06:37:55 (M)
z	e	55 22			
WN,N,E,V	eS	58 54	t19 an44 ae10.5		
WE,E	ePS	59 18			
WN,N,V	ePPS	59 56			
N,E	e	07 05			
E	eL	13	t40 ae860		
z	e	17 04			
z	ePKPKP	17 25			
N,E,V	eLm	26	t18 an31o ae200		
28. z	eP	07 02 13	Kurilen	50.1N; 156.9E	h N H=06:50:39.7(U)
28. z	eP	07 07 13	1.6/97 Kurilen	50.1N; 156.9E	h= 48km H=06:55:38.7(U)
28. z	eP	08 21 01	Spuren, Mindanao, Philippinen	9.6N; 126.1E	h= 81km H=08:07:34.8(U)
				10.7N; 125.7E	08:07:36 (M)
28. z,n	1P	11 44 16.7K	1.7/47 1.8/41		
z	e	44 41	Kurilen	50.1N; 156.9E	h= 48km H=11:32:42.7(U)
N,V	eLm	12 21	t18 an2 ae0 av2.5	50.3N; 157.2E	11:32:40 (M)
28. z	1PKP	14 13 42.9D	0.9/26		

Februar 1973

28. z	o	16 49 57		
28. z	o	17 25 01	Türkei	40.2N; 40.3E h= 34km H=17:19:48.1(U) 40.4N; 40.6E 17:19:51 (M)
28. z	1PKP ₁	21 04 51.4	0.8/22	Gebiet der Fidschi-Inseln 18.28;178.5W h=540km H=20:46:11.5(U)

März 1973

1. z,n,e	e	02 29 43	1.5/24 / /		
1. z,n,e	1P e	02 30 41.2 30 53	1.5/120 1.3/43 1.3/20 Kurilen	50.0N;157.1E h= 60km H=02:19:07 (M) 49.9N;157.3E h= 30km H=02:19:03.1(U)	
1. z	ePKP ₁	03 40 12	Gebiet der Tonga-Inseln	23.38;175.4W h N	H=03:20:19.9(U)
1. z,n z	1PKP ₁ e	14 25 43.1D 25 53	Tonga - Inseln	17.48;173.1W h N	H=14:06:04.5(U)
1. z	e	17 08 28			
2. z	e(P)	03 02 24	Spuren, Norwegisches Meer 72°N; 4°E		H=02:57:35 (S)
2. z,n,e	e	08 16 29	Nahbeben		(W)
2. z	eP	08 31 06			
2. z,n,e	e	08 55 56	Nahbeben		(W)
3. z	1P	00 51 30.6K			
3. z,n,e z	1P epP	01 56 16.8K 56 28	1.5/34 / / Riu - kiu - Inseln	25.0N;128.2E h N 25.8N;128.1E	H=01:43:41.8(U) 01:43:46 (M)
3. z,e	1P	02 53 22.4D	1.2/26 / S - Iran	29.5N; 51.2E h= 34km 29.6N; 51.1E	H=02:46:25.3(U) 02:46:26 (M)
3. z z z	1P e e	02 53 41.0 54 04 54 34	Kurilen	50.4N;156.3E h= 59km 50.3N;156.6E 85	H=02:42:09.0(U) 02:42:10 (M)
3. z,n,e z n z,n,e,N,E z,n,V z,n,e	1Pg i i iSg i eLm	05 36 57.0 36 58.9 37 05.8 37 09.9 37 10.6 37 14	108 km Klingenthal, Vogtland	50.3N; 12.5E	H=05:36:37 (B)
3. z	e	07 39 40			
3. z e z,n,e	1Pg iSg i	07 41 14.4 41 27.2 41 28.1	108 km Klingenthal, Vogtland		
3. z,n	e	09 39 08	Spuren		
3. z,n,e z z,n,e,N,E V z,n,e,E,V	1Pg i iSg i eLm	10 54 02.1 54 04.0 54 15.0 54 15.6 54 19	108 km Klingenthal, Vogtland	50.3N; 12.5E 50.3N; 12.4E h= 6km	H=10:53:42 (B) 10:53:42.2(U)
3. z	e	13 03 28	Bergschlag Oberschlesien, Polen		(P)
3. z,n,e	e	14 53 00			

März 1973

3. z,n	e	15 02 17			
3. z,n,e	e	20 00 09			
3. z,n	e	21 45 31	Spuren		
4. z	eP	04 29 02	Transatlantische seismische Zone, S-lich von Portugal	36.2N; 7.6W 36.3N; 7.3W h= 15km	H=04:24:16 (B) 04:24:15.1(U)
4. z	iPg	06 24 57.1	108 km		
z,n,e	iSg	25 09.8	Klingenthal, Vogtland		
z,n	i	25 10.7			
z,e	iLm	25 14			
4. z	iPg	07 14 41.8	108 km		
e	i	14 54.2	Klingenthal, Vogtland		
z,n,e	iSg	14 54.8			
z,e	iLm	14 59			
4. z	iP	11 36 26.0	E-lich der Kurilen	49.8N; 157.6E	H=11:24:47 (M)
4. z	eP	14 22 39	Gebiet der Insel Ascension	7.3S; 13.3W h N	H=14:12:15.7(U)
4. z	iP	17 56 23.0			
4. z,n,e,N,E,V	iP	18 09 00.2	1.5/1900 1.4/(660) 1.3/260		
N,E	eS	18 12			
N,E,V	eLm	45	t14 an6.5 ae4 av9		
	F	19 30	71° MLH=6.1		
			Nahe der E-Küste von Kamtschatka	54.8N; 161.6E h= 32km 54.9N; 161.3E 50	H=17:57:43.5(U) 17:57:47 (M)
5. z,n	e	15 43 59	Spuren, Griechenland	39.4N; 20.6E 38.8N; 20.2E h= 32km	H=15:40:45 (B) 15:40:33.3(U)
5. z	e	19 45 55			
5. z	ePn	20 07 10	390 km		
z,n,e	ePg	07 23	Bergschlag Ruhrgebiet	51.5N; 7.3E	H=20:06:15 (B)
z,n,e	iSg	08 10.3		51.5N; 7.2E h= 0km	20:06:11.9(U)
z,n,e	iLm	08 21.8			
z,n,e	e	09 02			
5. z	eP	21 51 44	Kurilen	43.6N; 147.6E h= 85km	H=21:39:55.3(U)
5. z	eP	23 34 03	1.5/29		
z	e	34 25	Mindanao, Philippinen	6.2N; 126.1E h= 84km	H=23:20:26.0(U)
z	ePP	38 14		6.6N; 127.0E 50	23:20:24 (M)
6. z	eP	00 05 40	N-liches Rotes Meer	27 3/4°N; 33 1/2°E	H=23:59:58 (B)
z	e	07 09		27.7N; 33.6E h= 25km	23:59:46.6(U)
				26.5N; 33.3E	23:59:41 (M)
6. z	iP	04 11 13.9D	1.7/44		
z	ePP	11 42	Luzon, Philippinen	18.1N; 120.8E h= 98km	H=03:58:40.2(U)
z	ePP	14 37		18.0N; 121.1E	03:58:31 (M)
6. z	eP	15 03 40	S-Peru	15.3S; 71.2W h=162km	H=14:50:23.2(U)
				14.5S; 69.1W	14:50:09 (M)

März 1973

6. z,n,e z,n,e	e e	15 56 25 57 16			
6. z	e	18 43 54	Spuren, Kurilen	50.0N;156.8E h N H=18:32:05.1(U) 49.5N;157.1E h= 45km 18:32:01 (M)	
6. z	e	22 24 16	Spuren		
6. z N,E,V	e eIm	22 32 45 23 10	Baja California t17 an1 a01.5 av1.5	27.5N;112.5W h N H=22:19:32.7(U) 26.9N;113.2W 22:19:25 (M)	
6. z z	e e	23 39 48 40 07			
7. z	e	02 45 12	Spuren.		
7. z	eP	03 22 57	Spuren, Philippinen	5.5N;126.6E h= 81km H=03:09:17.5(U) 5.8N;127.2E 03:09:11 (M)	
7. z	1P	03 30 15.9K	1.3/23 Gebiet der Bonin-Inseln	25.3N;141.8E H=03:17:12 (M) 27.7N;139.9E h=465km H=03:18:13.2(U)	
7. z	e	04 48 56			
7. z z,n,e	e(Sn) e	06 39 51 40 34	Albanien	41.9N; 20.1E H=06:35:09 (B) 41.8N; 20.0E h= 48km 06:35:10.7(U)	
7. z	1PKP ₂	08 45 19.0D	1.2/20 Gebiet der Kermadec - Inseln	31.0S;179.0W h=114km H=08:25:03.0(U)	
7. z,n n,e z,n	1Pg 1Sg eL	11 00 18.7 00 31.8 00 44	Spuren Sprengung 10t	50.39 ⁰ N; 13.22 ⁰ E (O)	
7. z,n,e	e	11 01 03	Spuren Sprengung		
7. z z	e 1PKP ₂	13 15 34 15 38.2	S-lich der Kermadec - Inseln	33.5S;179.6W h= 6km H=12:54:55.6(U)	
7. z,n,e	e	16 05 24			
7. z z,n	e e	16 29 01 29 11	Nahbeben	(W)	
7. z z	1P e	17 03 38.6 03 44			
8. z	e	03 29 11			
8. z,n,e	e	08 55 15			
8. z	e	11 21 56			
8. z	e	13 00 58			
8. z,n,e	1PKP	13 21 47.5K	1.5/145 / / Gebiet der Fidshi-Inseln	17.7S;178.9W h=582km H=13:03:13.5(U)	

März 1973

8. z z,n,e	ePKP ₁ opPKP ₁	14 55 09 55 22	1.3/27	Gebiet der Tonga-Inseln	23.08;175.6W h N 21.48;175.4W	H=14:35:18.4(U) 14:35:23 (M)
8. z N,E,V	iP eLm	15 29 17.3 16 17	1.0/19			
8. z	e	15 58 26				
8. z	iP	16 22 18.7	1.5/36	Unterirdische Kernexplor- ation, Nevada-Testort	37°06'12.66"N;116°01'36.75"W h= 0km	H=16:10:00.2(U)
8. z z	e i	18 11 31 11 43.1D	1.3/23			
9. z	epP	10 11 23		Nahe der Küste von Guatemala		13.8N; 91.3W h=114km H=09:58:09.2(U)
9. z,n,e,E,V z z z,N,E,V N,E N,E z N,E,V	iP e e iPP eSKS eS e eLm	10 20 18 D 23 30 24 19 24 27.2 30 52 31 46 37 00 11 10	2.0/135 / / 100° MLH=6.4	Gebiet der Philippinen		6.3N;127.3E h= 55km H=10:06:37.7(U) 6.5N;127.4E 70 - 80 10:06:40 (M)
9. z	e	10 50 20				
9. z,n	e	13 02 26				
9. z	eP	14 10 18		Kurilen		50.0N;157.1E h N 49.4N;157.8E H=13:58:41.3(U) 13:58:37 (M)
9. z,n,e,V z z	iPKP ipPKP e	19 28 49.4K,N 28 55.2 39 53	1.5/150 1.8/48 /	Nahe der SE-Küste von Australien		34.1S;150.3E h= 13km H=19:09:12.8(U)
9. z,n,e	e	21 30 55				
10. z	e	02 15 42				
10. z z z,n,e z,n,e z	ePKP e e e ePKP	10 09 39 09 58 12 29 49 29 54 14 38 44		Tonga - Inseln Gebiet der Samoa-Inseln	15.2S;173.5W h= 8km 15.4S;172.7W h N 15.3S;172.9W	H=09:50:00.3(U) H=14:19:11.5(U) 14:19:13 (M)
10. z,n,e z,n,e	iPKP ₁ e	18 27 47.8D 27 59		Gebiet der Tonga-Inseln	23.1S;175.4W h N	H=18:07:56.2(U)
10. z	eP	21 23 13	D			
10. z,n,e	iSg	21 47 18.9		Klingenthal, Vogtland		
10. z,n,e	iSg	21 50 32.9		Klingenthal, Vogtland		
10. z z,n,e	iPg iSg	21 59 26.8 59 39.3	103 km	Klingenthal, Vogtland		

März 1973

11. z,n,e n,e z	1Pg 1Sg 1	06 58 37.2 58 49.7 58 50.8	103 km Klingenthal, Vogtland	50.3N; 12.5E	H=06:58:17 (B)
11. z,n,e n,e z	1Pg 1Sg 1	09 05 42.3 05 55.3 05 55.8	103 km Klingenthal, Vogtland	50.3N; 12.5E	H=09:05:22 (B)
11. z,n,e z,n,e,V n,e,N,E V,N,E	1Pg1 1Pg2 1Sg1 1Lm1 F	12 17 36.3 17 40.2 17 49.3 17 55.1 22	108 km Klingenthal, Vogtland	50.3N; 12.5E 50.4N; 12.6E h N	H ₁ =12:17:16 (B) H ₂ =12:17:20 (B) H ₂ =12:17:19.9(U)
11. z z,n,e z	1P 1pP e(PP)	13 49 36.3K 49 55.3 52 23	0.9/19 Gebiet von Hokkaido, Japan	41.6N;142.0E h= 73km 42.2N;142.0E 70	H=13:37:47.3(U) 13:37:49 (M)
11. z	1P	15 05 35.9D	1.4/29 Gebiet von Taiwan	21.0N;120.2E h= 32km 21.3N;120.1E	H=14:53:07.5(U) 14:53:09 (M)
11. z	1PKP ₁	15 44 41.2D	0.7/17 Gebiet der Fidschi-Inseln	20.0S;178.3W h=618km	H=15:26:03.9(U)
11. z	e	16 01 15			
12. z	eP	03 32 08	Fuchs-Inseln, Aleuten	52.6N;168.1W h= 15km 52.1N;168.4W	H=03:20:16.8(U) 03:20:17 (M)
12. z	e(PP)	06 15 06	S-lich von Java	9.4S;111.1E h= 38km 8.8S;111.1E	H=05:57:02.0(U) 05:57:04 (M)
12. z z	eP epP	10 16 26 16 38	Kurilen	43.7N;147.9E h= 55km	H=10:04:34.2(U)
12. z	e	11 17 37			
12. z,n,e z N,E,V	1P ePKP eLm	11 25 56.3K 53 21 12 03	1.6/140 1.6/68 1.4/26 Kurilen t18 an4 ae1 av5	50.1N;156.7E h= 49km 50.1N;156.8E 65	H=11:14:23.6(U) 11:14:24 (M)
12. z z N,E N,E V	eP e eLm eL eL	12 52 50 56 35 13 35 39 44	1.7/38 t20 an2.5 ae1.5 t18 an2 ae1.5 t20 av2.5 Talaud - Inseln	4.2N;126.5E h= 37km 4.7N;126.4E	H=12:39:02.8(U) 12:39:04 (M)
12. z z	eP e	13 28 18 28 23	Iran	31.9N; 49.7E 32.1N; 49.3E h= 62km 31.4N; 49.2E	H=13:21:48 (B) 13:21:49.1(U) 13:21:42 (M)
12. z	e	13 42 49			
12. z	e	14 31 05	Provinz Tsinghai, China	38.5N; 93.6E h N 38.5N; 93.7E	H=14:21:29.4(U) 14:21:30 (M)
12. z	e	16 30 06			
12. z	e	16 31 40			

März 1973

12. z,n e N,V	eP e eL	16 32 20 32 29 40	2.1/61 / Gebiet der Insel Jan Mayen, N-atlantischer Rücken	73.3N; 8.3E 73.6N; 8.6E h= 33km 73.4N; 8.3E	H=16:27:25 (B) 16:27:24.0 (U) 16:27:25 (M)
12. z z,n,e e	lPn eSg eL	17 18 18.4 20 32 20 54	810 km Gebiet von Forli, Italien	44.1N; 12.1E	H=17:16:35 (B)
12. z,n,e	eP	17 49 09	Grönländisches Meer	73.7N; 9.2E h N 73.5N; 8.0E	H=17:44:13.9 (U) 17:44:15 (M)
12. z,n,e,N,E,V N N,V N N,E N,E N,E,V	lP ePP e eS ePS eSSSS eIm	19 50 50 53 36 55 35 20 00 14 00 43 10 28	K, S, W 1.7/185 1.7/70 1.5/27 74° MLH=6.3 Kurilen t17 an12 ae6.5 av14	50.8N; 157.1E h= 54km 50.9N; 157.2E 65	H=19:39:21.0 (U) 19:39:22 (M)
12. z,n,e z z	eP e e(PoP)?	20 34 36 34 54 39 35	S-lich des Peloponnes, Mittelmeer	35.7N; 21.9E 35.9N; 21.8E h= 44km 35.8N; 21.6E	H=20:30:44 (B) 20:30:43.9 (U) 20:30:41 (M)
13. z z z	ePKP e e(pPKP)	02 01 23 01 27 02 11	Salomonen	5.4S; 154.2E h=170km 5.4S; 154.4E	H=01:42:43.6 (U) 01:42:27 (M)
13. z	eP	04 35 24	Spuren, Windward-Inseln	14.9N; 60.7W h= 76km	H=04:24:30.0 (U)
13. z z z	eP e e	06 10 21 10 32 10 41	Iran	32.0N; 49.6E 32.1N; 49.4E h N 30.4N; 49.0E	H=06:03:53 (B) 06:03:49.0 (U) 06:03:37 (M)
13. z z	e e	16 55 09 55 13			
13. z z	lPKP e	20 20 05.4 20 17	Gebiet von Neu-Britannien	6.4S; 153.1E h= 35km 5.6S; 153.1E	H=20:01:08.4 (U) 20:01:11 (M)
14. z	e	02 08 26	Spuren		
14. z	e	03 52 24	Iran	32.0N; 50.0E 32.0N; 49.4E h N 30.2N; 48.8E	H=03:45:36 (B) 03:45:41.7 (U) 03:45:28 (M)
14. z N,E,V	ePKP ₂ eL	06 28 15 07 46	Gebiet der Balleny-Inseln	62.5S; 165.3E h= 36km	H=06:07:30.8 (U)
14. z z,n,e	ePKP ePKKS	11 44 37 58 58	Gebiet von Neu - Britannien	5.3S; 152.2E h= 64km 5.2S; 152.1E	H=11:25:46.7 (U) 11:25:44 (M)
14. z z	lP e	14 35 42.1D 37 43	0.9/21		
15. z	eP	00 31 09	E-Sibirien, UdSSR	63.3N; 159.5E	H=00:20:41.4 (F)
15. z,n	e	05 01 51			
15. z	ePKP	08 49 52	Tonga - Inseln	15.5S; 175.3W h N	H=08:30:20.5 (U)
15. z z,n,e	e e	09 42 41 44 04			
15. z	e	12 59 49			

März 1973

15. z	eP	18 11 26	1.0/10	Mindanao, Philippinen	13.9N;120.4E h=113km H=17:58:39.4(U) 13.9N;120.8E 17:58:29 (M)
16. z,n,e	e	00 50 26			
16. z,V z,n,e z z,N,E,V E,V N,E N,E,V z z E N,E,V	eP e i ePP eSKS eS ePS ePKKP ₁ ePKKP ₂ eSSS ₂ eLm F	01 05 45 05 50 06 09.9 10 04 16 25 17 34 19 00 21 49 22 11 29.2 57 03 30	103° MSH=6.5 MLH=6.5	Molukken - Straße	2.1N;126.6E h= 18km H=00:51:47.0(U) 2.3N;126.4E 00:51:45 (M)
16. z	e(P)	01 18 17	2.0/41		
16. z,n,e z,n,e	iPg iSg	01 41 22 41 27			
16. z	eP	02 26 22		Molukken - Straße	2.0N;126.6E h= 47km H=02:12:23.3(U) 2.5N;126.2E 30 - 35 02:12:26 (M)
16. z z z	e e e(PP)	02 29 31 29 46 30 35			
16. z,n,e z N,E,V	iP ePP eLm	22 02 13.9 05 17 41	1.4/52 1.4/26 /	Naha der E-Küste von Hondo, Japan	37.0N;141.6E h= 40km H=21:50:01.1(U) 37.5N;141.6E 60 - 70 21:50:07 (M)
17. z	iP	00 22 10		Kurilen	46.2N;153.3E h N H=00:10:19.0(U)
17. z,n,e,V z,n,V z z N,E	iPKP iSKP eSKS eSKKP eSS	05 16 21.0K,N 19 45.3D 1.5/(340) 1.4/85 23 23 27 56 38.3	1.7/185 1.7/59 1.3/38 143°	Neue Hebriden	19.4S;169.4E h=194km H=04:57:12.7(U) 19.5S;170.2E 110-130 04:57:00 (M)
17. z	e	07 49 02			
17. z,n,e,V z,n,e z,N,E,V z,e z z,e N,E E N N,E z N,E N,E V	iP ₁ i iPm i iPPm i i iSm ePPS ₁ e eSSSS ePKPPKp eL eLm eLm F	08 43 55.5 44 12.0 44 18 47 45.3 48 00.0 48 04.2 49 34.9 55 16 56.7 09 03 00 08.3 09 38 19 23 25 13	2.3/100 / / 1.8/285 1.7/80 1.8/95 91.5° MSH=7.0 MLH=7.7	Luzon, Philippinen	13.4N;122.8E h N H=08:30:51.8(U) 13.9N;122.7E 08:30:54 (M)
17. z,n,e z,n,e	iPg iSg	08 58 27.5 58 47.2	150 km Spuren Sprengung 11t	50.18°N;14.40°E	H=08:58:01 (O)
17. z	e	09 52 51			
17. z,n,e	e	10 08 51			

März 1973

17. z	eP	12 27 01	Spuren, S-lischer Pamir	38.5N, 73.9E h=130km H=12:19:07 (M)
17. z	1P	13 56 46.2D		
17. z,n,e	e	14 51 28	1.7/20 1.2/23 /	
17. z,e	1P	15 54 00.8D	1.1/19 /	
z	e	58 06	94°	
E	eSKS	16 04 27		
N,E	eS	05 05		
N,E	eL	42	S-Sumatra	5.28;103.2E h= 68km H=15:40:48.0(U) 4.88;103.3E 50 15:40:48 (M)
17. z	1P	21 30 53.1	1.1/20	
18. z	e	02 06 34	Bergschlag Oberschlesien, Polen	(P)
18. z,n,e	e	02 08 57	Bergschlag Oberschlesien, Polen	(P)
18. z,n	e	08 48 39	Spuren	
18. z,n,e,V	eP	11 20 11	103° MSH=7.1 MLH=6.7	
z	e	20 33		
z	i	23 25.8		
z,n,e	i	24 17.8		
z,e,N,E	ePP	24 32		
V	e	24 53		
z	ePPP	26 24		
e,N,E	eSKS	30 47		
N,E	eS	31 54	t10 an4.7 ae(4.5)	
z,N,E,V	ePS	33 20		
z	e	33 48		
z	e(PKKP)	36 33		
e	i	36 41.1D		
E	eSS	39 00		
z	ePKKS	39 25	Molukken - Straße	2.0N;126.6E h N H=11:06:14.7(U) 2.5N;126.5E 11:06:16 (M)
z	e	42 17		
N,E	e(SSS)	43.7		
N,E	eL	12 04	t20 an17 ae10	
N,E	eLm	08.0	t24 an17.5 ae19.5	
N,E,V	eL	11	t19 an10 ae11 av17.5	
	F	14		
18. z	1PKP ₁	20 04 54.2	0.8/22	
z	1PKP ₂	05 01.4	0.8/15	
z	epPKF	07 11	S-lisch der Fidschi-Inseln 22.18;179.7W h=566km H=19:46:08.9(U)	
18. z	eP	21 38 56	1.9/29	
19. z,n,e	e	05 20 02		
19. z,n,e,N,V	1P	11 52 41.0D	1.8/255 1.8/125 /	
z,V	ePP	55 27	75°	
n,e,N,	eS	12 02 08		
n,e	eSS	02 41	Nahе - Inseln, Aleuten	52.8N;173.8E h= 81km H=11:41:07.8(U) 53.1N;173.7E 70 11:41:08 (M)
N,E,V	eLm	24		
19. z,e	eP	12 25 03	E-Türkei	37.9N; 41.2E H=12:19:46.8(P)
19. z,n,e	1Pg	13 01 10.3	Sprengung	
z,n,e	1Sg	01 13.4		
N,E,V	eL	01 15		
19. z,n,e	e	15 33 41		

März 1973

19. z	eP	17 15 19	Nahe der E-Küste von Hondo, Japan	36.7N;141.0E h= 60km H=17:03:08.4(U) 36.7N;141.2E 17:03:05 (M)
20. z,n,e	iP	01 55 50.2	1.1/26 / /	
20. z	eP	07 11 21	Spuren, Fuchs-Inseln, Aleuten	52.9N;166.7W h= 16km H=06:59:33.2(U) 52.3N;166.6W 06:59:31 (M)
20. z	iPKP ₁	10 02 55.0D	S-lich der Fidschi-Inseln	24.2S;179.7W h=419km H=09:43:52.2(U)
20. z	ePKP	18 32 18	Kerguelen-Gaußberg-Rücken	57.9S; 83.6E h N H=18:13:24.8(U)
20. z	e	19 26 24	105.5° MLH=5.9	
z,v	ipPP	27 58		
E	eSKS	33 23	Gebiet der Sumbawa - Inseln	8.3S;117.4E h=162km H=19:09:06.6(U)
N	esS	35 46		7.5S;117.1E 140-160 19:09:09 (M)
S	ePKKP	38 38		
Z	ePcPPKP	42 48		
N	esSS	43.3		
N,E,V	eLm	20 05	t22 an3.5 ae1 ay1	
20. z	e	20 08 26		
20. z,n,e	i	21 14 58.1W	/ 1.4/39 / Bergschlag Oberschlesien, Polen	(P)
20. z,n	e	23 54 43		
21. z	eP	02 35 51	Spuren, Kurilen	50.8N;157.2E h= 55km H=02:24:21.3(U) 50.7N;157.5E 75 02:24:21 (M)
21. z,n	e	07 10 57		
21. z,n,e	iPg	11 00 55.7	Sprengung	
z,n,e,N,E,V	i	00 57.5		
z	i	01 25.0		
21. z	e	11 29 37	S-Griechenland	37.4N; 23.7E H=11:25:51 (B) 37.6N; 23.6E h= 31km 11:25:50.9(U)
21. z	e	12 34 02	W-lich Kreta, Mittelmeer	35.0N; 23.5E H=12:29:50 (B)
21. z,n,e	e	12 42 08		
21. z,n,e	e	16 54 48	Spuren	
21. z	eP	20 46 27	Szetschuan, China	32.4N; 99.9E H=20:35:57 (M)
21. z,n	iP	21 57 42.3K,S	1.3/36 1.1/19 Kurilen	48.6N;153.7E h=105km H=21:46:12.2(U) 48.5N;153.9E 140 21:46:14 (M)
22. z	eP	01 16 56	Tibet	28.1N; 87.0E h N H=01:06:57.2(U) 28.1N; 87.3E 01:06:56 (M)
N,E,V	eL	45		
22. z,n,e	e	10 24 39		
22. z	e	10 52 34	Spuren, E-lich Kamtschatka	52.6N;160.5E H=10:41:05 (M)

Mrz 1973

22. z, e	1P	14 11 29.9D, W 1.1/48 1.1/31	Gebiet der Leeward-Inseln 15.3N; 61.3W h=158km H=14:00:43.5(U)
22. z	1P	21 10 27.6K 1.4/29	Andreasow - Inseln 51.2N; 179.2W h= 40km H=20:58:36.0(U) 50.6N; 178.7W 20:58:31 (M)
22. z	eP	22 52 49	Spuren, Mindanao, Philippinen 5.9N; 126.3E h=102km H=22:39:15.5(U) 6.4N; 126.4E 60 22:39:13 (M)
23. z, n, e	e	02 03 42	Bergschlag Oberschlesien, Polen (P)
23. z, z, n, e	e eL	04 10 55 11 37	SW-lich Ancona, Mittelitalien 43.4N; 13.1E H=04:07:02 (B)
23. z, z, e, z	iPKP e e	06 10 39.5D 1.1/26 10 45 10 50	Gebiet der Loyalty-Inseln 22.8S; 170.2E h N H=05:50:59.8(U)
23. z, n, z, n, e, N, V, n, e, N, E, N, E, N, E, V	eP i i i i eS eLm eL F	07 07 21 1.6/38 / 07 25.5 2.1/300 2.0/110 1.5/52 07 36.5 76.5° MLH=5.9 07 41.3 17 06 37 45	t24 an5.5 ae4.5 t19 an3.5 ae4 av4 Nahe - Inseln, Aleuten 51.3N; 174.2E h= 27km H=06:55:33.2(U) 51.4N; 173.7E 06:55:30 (M)
23. z, n, e	i	10 58 38.2	
23. z	eP	15 25 37	NW-Territorium, Kanada 66.7N; 130.0W h N H=15:15:38.6(U)
23. z, n, e, z, n, e	e e	16 19 44 19 58	
23. z, n, e, z	e e e	19 05 19 05 30 05 40	
23. z, N	1P eLm	19 25 25.8 2.0/53 52	Provinz Szetschuan, China 31.9N; 100.1E h N H=19:14:53.1(U) 31.9N; 100.0E h=20km 19:14:52 (M)
23. z, n, e, z, z, z, z, z, z, n, e, e, E, N, E, V	1P i i i i i e ePPP eS e eLm F	19 55 00.6K, S, W 1.6/380 1.6/115 1.5/87 55 04.9K 83° MLH=6.6 55 07.1K 55 10.3 55 16.8K Riu - kiu - Inseln 29.3N; 130.4E h= 34km H=19:42:38.8(U) 57 07 29.6N; 130.4E 19:42:40 (M) 59 58 20 05 17 05 33 35 t15 an17 ae8.5 av20.5 21 30	
23. z	1P	20 13 33.4D	Riu - kiu - Inseln 29.5N; 130.3E h= 44km H=20:01:13.9(U)
23. z, n, e	e	20 26 47	
23. z, z, z, z	eP e e e	21 53 36 53 42 56 51 58 08	Taloud - Inseln 4.2N; 126.8E h= 35km H=21:39:47.6(U) 4.6N; 126.7E 21:39:49 (M)

März 1973

24. z	eP	00 38 45	Burma	21.6N; 98.3E h N 20.7N; 98.5E	H=00:27:32.7(U) 00:27:28 (M)
24. z z,n,e z,n z z N N,E N,E,V	iP i i ePP e e(S) eLm eL	00 47 10.9D 47 16 47 24 50 25 51 51 53 29 57 41 01 24 28	85° MLH=6.1 1.4/88 1.5/38 1.3/24 S-lich von Hondo, Japan	31.7N; 139.3E h= 20km 32.2N; 139.2E	H=00:34:36.8(U) 00:34:42 (M)
24. z z	iP e	07 26 00.7K 26 09	1.2/20 Vor der E-Küste von Kamtschatka	51.6N; 161.6E h N 51.7N; 161.4E	H=07:14:26.2(U) 07:14:27 (M)
24. z,n,e	eSg	10 34 33	Gebiet von Innsbruck, Österreich		
24. z,n,e	eSg	11 29 12	Gebiet von Innsbruck, Österreich	47.3N; 11.4E	H=11:27:02 (B)
24. z,n,e	e	11 31 07			
24. z,n,e z,n,e	ePg iSg	11 46 40 47 32.5	450 km Gebiet von Innsbruck, Österreich	47.3N; 11.4E 47.3N; 11.3E h N	H=11:45:21 (B) 11:45:22.1(U)
24. z,n,e	e	13 02 32	Spuren Sprengung?		
24. z,n	e	15 55 46	Bergschlag Oberschlesien, Polen		(F)
25. z	e	07 42 45	Nahe - Inseln, Aleuten	51.4N; 174.1E h N	H=07:30:24.2(U)
25. z,n,e N,V	iP eLm	09 07 48.9K 44	1.7/110 1.5/36 / t18 an4.5 av4.5 Kurilen	50.2N; 156.9E h= 40km 50.0N; 157.3E	H=08:56:15.2(U) 08:56:11 (M)
25. z	iP	13 46 41.1K	Kurilen	46.0N; 151.1E h= 78km	H=13:34:58.6(U)
25. z,e N,E,V	eP eLm	22 54 54 23 34	1.6/27 / t18 an3.5 ae3 av4.5 Golf von Kalifornien	25.9N; 109.9W h N	H=22:42:02.8(U)
26. z z,e n,e z,e N,E N,E N,E,V	eP i e e e eLm eL F	02 49 52 49 58.6D 50 19 51 22 03 00(38) 25 33 04 30	84° MLH=6.4 1.6/58 / SW-liche Riu-kiu-Inseln	23.4N; 124.0E h= 16km 24.2N; 123.9E	H=02:37:21.3(U) 02:37:28 (M)
26. z z z	iPKP ₁ iPKP ₂ opPKP	05 28 29.0D 28 34.8 30 52	1.0/28 Gebiet der Fidschi-Inseln	21.3S; 179.1W h=634km	H=05:09:50.5(U)

März 1973

26. z, e z z, n, e	1P esP ePP	08 06 37.9D, E 1.4/95 1.7/53 07 18 08 18	Grenzgebiet Tadschikische SSR - Sinkiang	38.3N; 73.9E h=123km 38.5N; 73.9E 115	H=07:58:42.7(U) 07:58:42 (M)
26. z z	1P esP	08 41 26.7 42 06	Grenzgebiet Tadschikische SSR - Sinkiang	38.3N; 73.9E h=120km 38.5N; 73.8E 120	H=08:33:30.6(U) 08:33:31 (M)
26. z	1PKP	10 11 57.4K	Gebiet der Fidshi-Inseln	17.78; 178.6W h=585km	H=09:53:22.4(U)
26. z	e	11 22 47	Provinz La Rioja, Argentinien	28.08; 68.9W h=117km 28.38; 69.4W 110	H=11:04:19.0(U) 11:04:19 (M)
26. z z	1P e	15 08 27.8D 1.2/30 11 15	Vor der E-Küste von Hondo, Japan	36.0N; 142.0E h= 52km 37.0N; 142.0E	H=14:56:13.0(U) 14:56:08 (M)
26. z	1P	22 12 03.1D 1.5/35			
27. z z z z	eP e e ePP	02 20 46 21 01 23 42 23 51	Nahe der S-Küste von Hondo, Japan	35.5N; 139.9E h= 64km 36.0N; 139.6E	H=02:08:31.4(U) 02:08:31 (M)
27. z	eP	03 50 02	SW-liche Riu-kiu-Inseln	24.3N; 123.6E h= 77km 24.0N; 123.9E	H=03:37:42.8(U) 03:37:36 (M)
27. z, n, e	e	08 55 32			
27. z, n	e	10 32 45			
27. z, n, e, V z N, E, V	1P 1pP eL	12 43 43.7K 1.9/200 1.8/98 / 43 52.5 13 17	Nahe - Inseln, Aleuten	52.6N; 172.9E h= 43km 52.6N; 172.5E	H=12:32:05.1(U) 12:32:05 (M)
27. z, e	i.	12 44 20.4			
27. z, n	e	14 29 15			
27. z, n, e	i	15 42 23.2	Ionisches Meer	37.8N; 20.8E 38.4N; 21.1E h N	H=15:38:18 (B) 15:38:24.2(U)
27. z, n, e	e	16 23 18			
27. z, n	e	19 56 16			
27. z, n	e	22 46 25			
27. z, n, e	e	23 18 05	Spuren		
28. z	e	03 23 35	Norwegisches Meer	71.5°N; 2°W	H=03:18:45 (S)
28. z z	eP e	03 42 37 43 09	Gebiet von Hokkaido, Japan	42.6N; 144.0E h= 65km 42.8N; 144.2E 90	H=03:30:48.9(U) 03:30:52 (M)
28. z, n, e z, e	1P ePPP	03 43 48.OK 1.1/46 / 1.1/19 46 00	S-Iran	28.6N; 53.0E 28.6N; 52.7E h= 37km 28.4N; 52.7E	H=03:36:34 (B) 03:36:38.2(U) 03:36:36 (M)

März 1973									
28. z	1PKP	07 42 55.2K	Gebiet der Loyalty-Inseln	21.8S;170.3E	h= 58km	H=07:23:23.5(U)			
28. z	eP	10 53 53	Äthiopien			11.8N; 42.7E h N	H=10:45:30.3(U)		
						11.2N; 42.5E	10:45:27 (M)		
28. z,n	eP	13 43 30	1.8/55 /						
	eL	57.4	t18 an2.5 ae1.5						
			Äthiopien			11.7N; 42.8E h N	H=13:35:04.5(U)		
						11.3N; 43.1E	13:35:02 (M)		
28. z,n,e	1P	13 50 30.9	1.7/72 / /						
	eSS	14 00 52							
	eLm	11	t17 an3.5 ae3 av2						
			Äthiopien			11.7N; 42.7E h N	H=13:42:06.7(U)		
						11.4N; 43.0E	13:42:04 (M)		
28. z	e	13 54 16							
28. z	eP	14 08 41	E-liches Zentralafrika						
	eL	14 21							
	eL	30	t14 an2 ae2			9.7N; 42.2E	H=14:00:04 (M)		
28. z,n,e	1P	14 27 17.2K,N	1.8/110 2.1/86 /						
			Äthiopien			11.7N; 42.9E h N	H=14:18:52.3(U)		
						11.3N; 42.9E	14:18:50 (M)		
28. z	e	14 45 09							
28. z	e	14 57 36							
28. z,n,e	eP	15 07 29	1.8/46 / /						
			Äthiopien			11.7N; 42.9E h N	H=14:59:06.7(U)		
						11.0N; 42.9E	14:58:57 (M)		
28. z	1PKP	17 04 02.9D	0.8/23						
	epPKP	04 26	Neuguinea			4.5S;141.8E h= 81km	H=16:45:25.3(U)		
						4.6S;142.2E	16:45:19 (M)		
28. z,n,e	e	20 32 07	Bergschlag Oberschlesien, Polen						(F)
28. z,n	ePKP ₁	22 46 25	Gebiet der Fidschi-Inseln	21.9S;179.5W	h=610km	H=22:27:43.1(U)			
29. z,n,e	1P	00 08 16.5K	1.3/39 1.5/18 /						
	i	08 26.8D	84° MLH=6.3						
	ePP	11 03							
	eS	18 39	SW-liche Riu-kiu-Inseln	23.3N;123.8E h N		H=23:55:47.3(U)			
	eLm	44	t14 an7 ae4	23.8N;123.8E		23:55:49 (M)			
	eL	52	t14 an3 ae4.5 av5						
29. z,n,e	e	01 47 20							
29. z,e	e	07 47 58							
29. z	1PKP ₁	11 42 56.0D	1.0/40						
	epPKP ₁	45 06	S-lich der Fidschi-Inseln	23.6S;179.7W	h=535km	H=11:24:03.9(U)			
29. z	eP	18 09 52	Nahe der E-Küste von Hondo, Japan			40.9N;143.1E	H=17:57:53 (M)		
						40.9N;142.8E h= 38km	H=17:57:53.6(U)		
29. z	1PKP	23 53 34.1D	0.8/28						
	e	53 38							

März 1973

30. z,n,e z,n E N,V	eP e e(SS) eIm	00 12 16 12 22 16 55 22	N-atlantischer Rücken t17 an2 av2.5	76.6N; 7.2E 76.3N; 6.0E h N 76.5N; 5.4E	H=00:06:49 (B) 00:06:52.5 (U) 00:06:50 (M)
30. z,e	iP	03 13 42.3	1.0/23 / Vor der E-Küste von Hondo, Japan	40.8N;143.1E h= 54km 41.4N;143.1E	H=03:01:45.5 (U) 03:01:46 (M)
30. z	eP	07 06 46	S-lich von Hondo, Japan	31.4N;141.8E h= 14km	H=06:54:03.6 (U)
30. z,n,e	e	07 11 41			
30. z,n,e z,n,N,E,V	iPg iSg	10 38 21.6 38 23.2	Sprengung		
30. z	iP	14 49 17.8D			
30. z	e	21 11 01			
31. z	eP	14 12 45	E-lich der Kurilen	46.9N;152.7E	H=14:00:56.2 (F)
31. z	eP	20 57 05	Kurilen	50.2N;157.1E h= 44km 49.7N;157.7E 70	H=20:45:31.3 (U) 20:45:28 (M)

B. Tittel, Assistent

Geophysikalisches Observatorium Collm
der Karl-Marx-Universität Leipzig

Geophysikalische Meßreihen

2 1973

Seismische Registrierungen

Geophysikalisches Observatorium

DDR - 7261 COLL M

Geophysical measuring series
of the
Geophysical Observatory
of the Karl-Marx-University
Leipzig

Geophysikalische Meßreihen
des Geophysikalischen
Observatoriums
der Karl-Marx-Universität
Leipzig

C O L L M

SEISMIC
RECORDS

SEISMISCHE
REGISTRIERUNGEN

II. quarter 1973

II. Quartal 1973

1. General

The seismic observations are carried out in the earthquake division which lies apart from the street and any other building, 130 m in the south of the main building of the observatory. The supports of the instruments stand immediately on graywacke of the ordovice not yet weatherbeaten. Coordinates of the earthquake division:

$$\varphi = 51^{\circ}18.6'N \quad \lambda = 13^{\circ}00.2'E \quad h=230m$$

The following seismographs are used:

1. WIECHERT horizontal seismograph (components NS and EW; recording on carbon tape)
2. BENIOFF vertical seismograph (recording in the main building which is connected with the earthquake division by noninductive underground cable).
3. VSJ-II vertical seismograph and 2 HSJ-II horizontal seismographs (components NS and EW) with 4-trace-recorder
= "SSJ-II (Seismische Station Jena II)"
4. 2 ANDERSON-WOOD-torsion seismographs (Components NS longper. and NS shortper.; optical recording)
5. 2 HSJ-I horizontal seismographs (components NS and EW, with own recorder RGJ-I)
VSJ-I vertical seismograph (4-trace-recorder, see above)
= "SSJ-I (Seismische Station Jena I)"

The time service is done by a quartz-clock. This clock gives minute-pulses of 2 s and hour-pulses of a duration of 10 s. A pendulum-clock serves as compensatory clock. Every day, the clocks are compared with the second signal of the transmitters 4525 kc resp. 77.5 kc (digital control). At WIECHERT and SSJ-I the time marks are interruptions; at the other records reductions of the light. The insecurity in time is ± 0.2 s.

Numerous explosions and rolling mountains are leaved out in this bulletin on the ground of their unimportant force.

Evaluation

- 1 Date
- 2 Instrument

AN = ANDERSON-WOOD NS, longper.
An = ANDERSON-WOOD NS, shortper.

- 3 Phase
- 4 Time of onset in GMT
- 5 Direction of ground motion

1. Allgemeines

Die seismischen Beobachtungen finden in der Erdbebenwarte statt, die sich abseits der Straße und jeden anderen Gebäudes 130 m südlich des Observatoriumshauptgebäudes befindet. Die Instrumentensockel stehen unmittelbar auf unverwitterter Graywacke des Ordoviziums. Koordinaten der Erdbebenwarte:

Folgende Seismographen sind in Betrieb:

1. WIECHERT-Horizontalseismograph (Komponenten NS und EW; Rußstreifenregistrierung)
2. BENIOFF-Vertikalseismograph (Registrierung im Hauptgebäude, das mit der Erdbebenwarte durch induktionsfreies Erdkabel verbunden ist).
3. VSJ-II Vertikalseismograph und 2 HSJ-II Horizontalseismographen (Komponenten NS und EW) mit 4-Spur-Registriergerät
4. 2 ANDERSON-WOOD-Torsionsseismographen (Komponenten NS langper. und NS kurzper.; optische Registrierung)
5. 2 HSJ-I Horizontalseismographen (Komponenten NS und EW, mit Originalregistriergerät RGJ-I)
VSJ-I Vertikalseismograph (4-Spur-Registriergerät, siehe oben)

Die Zeitangabe erfolgt durch eine Kleinquarzuhr. Diese Uhr gibt Minutenimpulse von 2 s und Stundenimpulse von 10 s Dauer. Als Reserve dient eine Pendeluhr. Die Uhren werden täglich mit den Sekundensignalen der Sender 4525 bzw. 77.5 kHz (Digitalanzeige) verglichen. Bei WIECHERT und SSJ-I werden die Zeitmarken als Unterbrechungen gegeben; bei den anderen Registrierungen als Lichtschwächungen. Die Zeitunsicherheit beträgt ± 0.2 s.

Zahlreiche Sprengungen und Bergschläge wurden in diesem Bericht auf Grund ihrer geringen Stärke fortgelassen.

Auswertung

- 1 Datum
- 2 Instrument

Z = BENIOFF-Vertikal
z = VSJ-II
n = HSJ-II NS
e = HSJ-II EW
WN = WIECHERT NS
WE = WIECHERT EW
N = HSJ-I NS
E = HSJ-I EW
V = VSJ-I

AN = ANDERSON-WOOD NS, langper.
An = ANDERSON-WOOD NS, kurzper.

- 3 Phase
- 4 Einsatzzeit in MGZ
- 5 Richtung der Bodenbewegung

6 Remarks; at first the own statements without mention of sources, e.g. epicentral distance, depth of focus, magnitudes after recommendations of Zürich 1967 (index k: shortper.; index l: longper.) respectively after magnitude equation for Collm 1959 (=Mag); than dates of the seismic central offices or other stations with the following abbreviations:

U: USERL
M: Moskau/ANSSSR
B: BCIS
G: Griechenland
H: Hannover
I: ISC

The declaration of periods and amplitudes for important onsets appears in the corresponding line:

t an ae av
average period [sec] amplitude from N,E,V [μ];
shortper. components, if measurement practicable
in the sequence z,n,e

T / A
period [sec] amplitude [μ].

1.1 Falling out of the records

April:

Z 03. 13.59 - 14.50

Mai:

Z 14. 06.20 - 06.38

Z 19. 12.05 - 23.29

Z,z,N,E,V 20. 07.58 - 08.08

Juni:

Z 30. 01.41 - 05.57

1.2 Constants of the seismographs

6 Bemerkungen; zuerst eigene Aussagen ohne Quellenangabe, wie Epizentraldistanz, Herdtiefe, Magnituden nach den Empfehlungen von Zürich 1967 (Index k: kurzper.; Index l: langper.) bzw. nach der Magnitudengleichung für Collm 1959 (=Mag); dann Daten der Seismischen Zentren oder anderer Stationen mit folgenden Abkürzungen:

J: Jena
P: Polen
C: Pruhonice
F: Hagfors } Schweden
S: Uppsala }
W: Wien

Perioden- und Amplitudenangaben für wichtige Einsätze erscheinen in der entsprechenden Zeile:

t an ae av
mittlere Periode [sec] Amplitude von N,E,V [μ];
kurzper. Komponenten, falls Messung möglich, in
der Reihenfolge z,n,e

T / A
Periode [sec] Amplitude [μ].

1.1 Ausfall der Registrierungen

Z 04. 12.01 - 12.01 am 06.

Z 20. 12.02 - 17.39

Z,z,n,e,N,E,V 24. 08.43 - 12.10

1.2 Konstanten der Seismographen

Gerät	T_g (s)	D_g	T_g (s)	D_g	r/T_g^2	$V_{stat.}$	$V_{max.}$	Registrier- geschwindig- keit (mm/min)
Z	0.452	0.65	1.43	1			38000	60
z	2.175	0.537	0.296	1.474			55000	60
n	2.171	0.537	0.294	1.474			60000	60
e	2.171	0.537	0.293	1.474			58000	60
WN	10.1	0.28			0.043	300		15
WE	10.2	0.33			0.035	300		15
N	20.0	0.50	1.10	9.09		1075		15
E	20.0	0.51	1.21	8.24		1120		15
V	20.0	0.51	1.20	8.35		1090		60
AN	5.8	0.12				500		30
An	1.1	0.06				500		30

2. Evaluation

April 1973

1. z	e(P)	06 37 57	1.9/40 Äthiopien	11.6N; 42.9E h N 11.0N; 42.9E	H=06:29:27.7(U) 06:29:23 (M)
1. z,n,e N,E N,E,V N,E,V	eP eS e eIm	07 21 02 27 52 28 14 41	1.7/95 / / 46.5° MLH=5.5 t20 an1.5 ae4.5 av3.5 Äthiopien	11.7N; 43.0E h= 31km 11.0N; 42.9E 20	H=07:12:37.0(U) 07:12:30 (M)
1. z	e	07 29 34			
1. z,n z	eP e	07 47 06 50 01	1.8/41 / Äthiopien	11.6N; 42.9E h N 10.8N; 42.8E h= 20km	H=07:38:40.5(U) 07:38:33 (M)
1. z	eP	08 56 11	1.5/35 Gebiet von Island	67.8N; 18.6W h N	H=08:51:13.0(U)
2. z,e z z,n,e	iP i i	01 35 13.2 35 29.0 35 35.6	1.0/21 / S - Iran	27.1N; 61.6E h N 27.2N; 61.7E	H=01:27:09.0(U) 01:27:09 (M)
2. z z z N,E	e e e ePPP eIm	02 51 29 51 43 51 53 53 19 03 08	Grenzgebiet Afghanistan - UdSSR	37.7N; 70.0E h= 54km 37.5N; 69.7E	H=02:43:24.8(U) 02:43:22 (M)
2. z	iP	07 32 38.4K	0.9/24		
2. N,E	eL	19 55	Zentraler Mittel- atlantischer Rücken		(U)
2. z	iPKP ₁	23 17 32.7	S-lich der Fidshi-Inseln	23.5S; 179.8E h=601km	H=22:58:46.6(U)
3. z,n	e	01 46 35			
3. z	e	02 34 55			
3. z	e	03 44 37			
3. z z	e e	09 25 17 25 45			
3. z,n,e	iP	11 02 15.7K,S	0.9/39 / / Kurilen	45.9N; 151.1E h N 45.7N; 151.2E h= 55km	H=10:50:26.3(U) 10:50:28 (M)
3. z	i	11 07 16			
3. z,n,e,E,V z,V z,n z z,V n z,V n,e,N,E N N,E	iP i e ipP isP i e(mPP) eS e eSS	14 06 24.0D 06 27 06 34 07 02 07 20 07 24.4 10 31 16 44 17 40 22.5	1.6/360 1.5/63 1.7/200 86° MPV _k =6.0 MPH _k =6.1 h=150km MSH=6.2 Kolumbien t14 an2.8 ae2.3	4.7N; 75.6W h=158km 4.8N; 75.7W 110	H=13:54:01.8(U) 13:53:57 (M)

2. Auswertung

April 1973

3. z	eP	17 35 52	Spuren, S-Sumatra	4.6S; 103.2E h=100km 4.5S; 103.1E	H=17:22:46.3(U) 17:22:39 (M)
4. z,n	e	10 15 31	Spuren, Bergschlag Oberschlesien, Polen		(P)
4. z	e	13 08 55			
4. z	e	14 49 10	Spuren		
4. z,n,e z,n,e	iP iSg	16 31 29.2 31 47.3	Spuren Sprengung		
4. z,n,e	eSg	20 01 19			
4. z	eP	22 00 31	W-licher Golf von Aden	12.2N; 46.2E h N 10.9N; 46.2E	H=21:51:58.4(U) 21:51:45 (M)
4. z,n,e	iP	22 02 50.1	Kurilen	43.4N; 147.7E h N 44.2N; 147.1E	H=21:50:53.9(U) 21:51:00 (M)
5. z,n,e	iP	00 08 39.9K	1.0/45 / / Kurilen	43.3N; 147.8E h N 44.1N; 147.3E	H=23:56:43.5(U) 23:56:47 (M)
5. z	eP	02 07 42	W-licher Golf von Aden	12.3N; 46.4E h N 11.6N; 46.2E	H=01:59:12.6(U) 01:59:08 (M)
5. z z N,E,V	e e eIm	04 45 33 50 09 05 29	Panay, Philippinen	11.9N; 122.5E h= 6km 11.8N; 122.8E	H=04:32:08.1(U) 04:32:12 (M)
5. z,n,e z N,E V	iP ipP eIm eIm	22 28 53.7K 29 05.9 23 00 07	1.0/110 1.1/39 0.9/36 t21 an5 ae8.5 t17 av5 Kurilen	43.6N; 147.7E h N 44.0N; 147.5E	H=22:16:59.6(U) 22:16:57 (M)
5. z z	eP epP	22 47 23 47 35	Kurilen	43.7N; 147.7E h N 43.8N; 147.8E	H=22:35:28.7(U) 22:35:30 (M)
5. z z	eP epP	23 18 47 18 58	Kurilen	43.5N; 147.8E h N 43.9N; 147.7E	H=23:06:51.1(U) 23:06:48 (M)
5. z	eP	23 45 53	K Kurilen	43.2N; 147.8E h N 44.4N; 147.4E	H=23:33:57.5(U) 23:34:00 (M)
6. z z	eP epP	00 12 38 12 50	Kurilen	43.6N; 147.7E h N 44.2N; 147.4E	H=00:00:43.6(U) 00:00:47 (M)
6. z,n,e z E	iP epP eIm	00 13 50.8K 14 02 45	1.1/48 1.1/22 0.9/16 Kurilen	43.7N; 147.6E h N 44.9N; 146.8E	H=00:01:56.4(U) 00:02:05 (M)
6. z	e	00 15 11			
6. z	eP	01 58 08	Andreanow-Inseln, Aleuten	51.4N; 178.4W h= 50km 51.0N; 178.4W	H=01:46:18.2(U) 01:46:14 (M)

April 1973

6. z,n,e z,n,e z N,E V	IP ipP eSP eLm eLm	01 59 54.4 02 00 07.7 00 14 31 38	1.1/100 / 0.9/26 Kurilen t20 an3 ae3.5 t16 av3.5	43.7N;147.8E 44.3N;147.3E	h N	H=01:48:00.3(U) 01:48:00 (M)
6. z	oP	02 09 05	Kurilen	43.5N;147.6E	h N	H=01:57:10.1(U)
6. z z	eP epP	05 52 48 53 00	Kurilen	43.4N;147.7E 44.0N;147.4E	h N	H=05:40:52.6(U) 05:40:57 (M)
6. z	eP	07 21 14	Kurilen	43.6N;147.6E 43.7N;147.6E	h N	H=07:09:19.2(U) 07:09:20 (M)
6. z z	eP epP	07 24 04 24 15	Kurilen	43.5N;147.7E	h N	H=07:12:08.2(U)
6. z	e	08 55 48				
6. z,n,e	eP	10 55 59	Kurilen	43.7N;147.6E 43.6N;147.8E	h N	H=10:44:04.8(U) 10:44:03 (M)
6. z,n,e	iSg	11 31 00.1	Spuren Sprengung 18t	50.63°N;15.67°E		(O)
6. z,n,e z z z,n,e	IP e IP e(SS)	14 18 17.2 18 24 18 32.4 22 04	1.5/120 1.7/89 / S-lich Kreta, Mittelmeer	34.4N; 25.2E h= 45km 34.4N; 25.3E 16 34.4N; 24.9E		H=14:14:00 (B) 14:13:54.2(U) 14:13:56 (M)
6. z z	eP epP	14 57 47 57 59	Kurilen	43.8N;147.6E 43.5N;148.1E	h N	H=14:45:53.1(U) 14:45:51 (M)
6. z	IP	15 09 57.2D	Kurilen	43.5N;147.6E 44.1N;147.5E	h N	H=14:58:01.7(U) 14:58:05 (M)
6. z z z z	IP ipP e e	15 20 59.2K 21 11.1 21 39 21 49	1.0/15 Kurilen	43.5N;147.7E 44.2N;147.8E	h N	H=15:09:04.4(U) 15:09:07 (M)
6. z,e z,n,e	ePg eSg	16 03 44 04 20	?			
6. z,n	e	16 29 19				
6. z	eP	18 40 50	Andreanow-Inseln, Aleuten	51.8N;173.5W h= 21km 51.4N;173.5W		H=18:28:56.9(U) 18:28:57 (M)
6. z,e	IPKP ₁	19 01 28.8D	1.0/42 / Gebiet der Fidschi-Inseln	20.0S;176.5W h=242km		H=18:42:10.8(U)
6. z	e	22 37 10				
7. z,n	IPKP	02 31 55.2K	0.7/34 /			
7. z,n,e,V z E,V N,E E E N,E V	IP i e eS eSS eSSS eLm eLm P	03 12 51.4D 13 04.8 17.8 22 43 27.9 31.3 47 54 05 30	N,E 1.6/245 1.4/66 1.8/92 77.5° MLH=6.6 Gebiet der Nikobaren	7.0N; 91.4E 6.9N; 91.3E	h N	H=03:00:58.8(U) 03:00:59 (M)

April 1973

7. z	e	03 27 01	Gebiet der Nikobaren	6.9N; 91.4E 7.1N; 91.5E	h N	H=03:14:46.9(U) 03:14:48 (M)
7. z,n,e z N z N,E N,E,V	ePP e ePS ePKKP eSS eLm	12 42 11 51 13 51 38 52 26 57.7 13 27	(111°) SW-Atlantik t19 an3.5 ae4 av6	58.3S; 13.4W 60.2S; 21.3W	h N	H=12:22:47.3(U) 12:22:39 (M)
7. z	eP	16 16 11	Spuren, Kurilen	43.6N;147.8E 43.0N;149.0E	h N	H=16:04:14.2(U) 16:04:09 (M)
7. z,n,e N,E N,E	eP e eL	17 45 08 52.2 18 06	1.8/32 / / Äthiopien	11.7N; 43.0E 10.6N; 43.0E	h N	H=17:36:42.8(U) 17:36:35 (M)
7. z,n,e	eP	18 09 26				
7. z,n	e	18 57 05				
7. z,n z,n,e z,n,e z,n,e n,e,N,E	IPn e eSg eL	19 32 46.8 32 57 35 58 36 12.5	Albanien	41.5N; 20.0E 41.5N; 20.0E h= 16 km 41.3N; 19.8E		H=19:30:09 (B) 19:30:06.9(U) 19:30:08 (M)
7. z	e(PP)	23 08 40	Spuren, N-Chile	20.7S; 69.2W h= 59km 22.1S; 69.5W		H=22:50:54.5(U) 22:50:45 (M)
8. z	e	01 53 42				
8. z,n	e	02 05 29	Bergschlag Oberschlesien, Polen			(F)
8. z	e	02 11 48				
8. z z	eSg e	07 06 48 07 15	E-lich Zagreb, Jugoslawien			
8. z z,e z z,n,e z,N,E z,n,e,N,E N,E N,E V	e(PKHKP) i IPKIKP i ePP ePKS ePPS eLm eLm F	13 00 21 00 23.7 00 26.7 00 30.3 03 21 04 02 15.9 14 01 04 15 30	138.5° MLH=6.4 1.3/130 1.4/52 1.3/24 Neue Hebriden t21 an9 ae3 t20 av9	15.0S;167.2E h= 35km 15.2S;167.2E		H=12:41:02.0(U) 12:41:04 (M)
8. z	IP	20 36 51.1K	Schwarzes Meer	41.7N; 40.4E		H=20:32:08 (M)
8. z z,n,e z,n,e,V z	IPKIKP IPKP ₁ IPKP ₁ ePKP ₁	21 08 20.4D 1.5/17 08 27.3D 1.1/96 1.3/27 1.0/22 08 33.5K 1.0/200 1.2/63 0.9/43 09 01	151.5° S-lich der Fidschi-Inseln	23.9S;177.0W h=122km 23.7S;177.1W		H=20:48:46.0(U) 20:48:36 (M)
8. z,n,e,V	IP	22 06 36.0K,S,W	1.2/520 (0.9/180) 0.8/140 Kurilen	47.0N;152.3E h=104km 47.6N;151.8E 150		H=21:54:59.2(U) 21:55:08 (M)
9. z z,n,e z	IP ipP eSP	08 44 43.3 0.9/28 45 35.8K,W 1.4/66 1.5/29 1.5/39 55 36 h=220km	NE-lich von Taiwan	26.8N;125.3E h=186km 26.5N;125.5E 150		H=08:32:42.1(U) 08:32:36 (M)

April 1973

9. N,E,V	eL	08 55			
9. z	1P	15 11 49.1K	1.1/16		
9. z,n,e	e	17 02 58			
9. z	1P	23 02 36.8K	Gebiet der Bonin-Inseln	28.9N;140.7E h= 94km H=22:49:57.0(U) 28.5N;140.7E 22:49:48 (M)	
10. z	1PKP ₁ 1PKP ₂	00 37 43.3D 37 48.4K	0.9/18		
10. z,n	e	00 49 23			
10. z	1P	01 00 40.0D			
10. z	1PKP ₁ epPKP ₁	01 28 32.2D 29 29	1.3/26 Gebiet der Fidshi-Inseln	20.4S;176.3W h=265km H=01:09:15.7(U)	
10. z	e	02 14 05			
10. z,n,e	e	05 12 58			
10. z	1PKP ₁ 1PKP ₂	07 54 31.5 54 36.2K	Gebiet der Fidshi-Inseln	20.7S;178.4W h=550km H=07:35:46.9(U)	
10. z	ep	08 05 37	Spuren, N-atlantischer Rücken	20.9N; 45.8W h N H=07:56:10.4(U)	
10. z	1	15 42 53.2K			
10. z	ep	18 15 39	Spuren, Grenzgebiet Afghanistan-UdSSR	36.4N; 71.3E h=125km H=18:07:47.4(U) 36.7N; 71.3E 120 18:07:49 (M)	
10. z	e	20 13 28	Gebiet der Sumba-Insel	9.8S;119.3E h N H=19:55:55.8(U) 9.8S;119.5E h= 50km 19:55:58 (M)	
10. z,n	e	23 44 44	Bergschlag Oberschlesien, Polen		(P)
10. z	epK ₁	23 55 06	Tonga - Inseln	21.7S;174.4W h N H=23:35:18.0(U)	
11. z	e(P)	02 35 19	Oaxaca, Mexiko	16.1N; 95.4W h N H=02:22:17.8(U)	
11. z,n,e	eSn e eSg eL	05 04 52 04 59 05 47 05 58	Västergötland, Schweden	58.8N; 14.2E h N H=05:01:38 (B) 58.8N; 13.2E 05:01:37.3(U) 58.8N; 13.4E 05:01:37 (B)	
11. z	ep e	05 23 08 23 33	Zentralalaska	64.6N;160.1W h= 15km H=05:12:18.1(U) 64.9N;160.8W 05:12:23 (M)	
11. z	e(PK) e(P) eLm	09 41 37 41 44 10 33	Halmahera	0.8S;127.5E h N H=09:23:06.6(U) 0.9S;127.7E 09:23:06 (M)	
11. z,n,e	1Pg 1 1	10 37 40.2 37 42.1 38 08.9	Sprengung		

April 1973

11. z	ep 1	14 47 08 47 25.9	Vor der W-Küste des Peloponnes, Griechenland	37.0N; 21.0E H=14:43:23 (U)	
11. z,e	1Pg 1 eSg	14 58 10.9 ? 58 16.2 58 39			
11. z,e	e 1 1	15 47 25 47 56.7 47 59.7			
11. z	e	21 53 42			
12. z	1PKP (oder P)	02 20 32.1D	Neue Hebriden (oder Kurilen)	20.1S;169.2E h= 55km H=02:01:05.3(U) 48.7N;153.2E 02:08:52 (M)	
12. z	1P	02 43 38.3	1.0/18 Kurilen	43.5N;146.8E h= 58km H=02:31:48.0(U) 43.6N;147.2E 02:31:44 (M)	
12. z	1P	04 53 15.4K	Riu-kiu-Inseln	29.6N;130.5E h= 37km H=04:40:54.9(U) 29.9N;130.5E 04:40:56 (M)	
12. z,n,e	1P 1pP epP	05 15 07.4K 15 24.1 17 59	1.3/51 / / Hokkaido, Japan	41.6N;142.0E h= 73km H=05:03:18.8(U) 42.0N;142.0E 05:03:16 (M)	
12. z	ep e	08 19 43 19 52			
12. z	1P epP e(PoP) e	08 38 51.4 39 32 40 40 41 04	Gebiet des Hindukusch	36.4N; 70.8E h=189km H=08:31:07.8(U) 36.4N; 70.9E 180 08:31:06 (M)	
12. z	1P	12 28 47.7	0.9/17 Kurilen	50.0N;156.0E h= 55km H=12:17:15.0(U) 50.0N;156.3E 80 12:17:16 (M)	
12. z,n,e	1P 1 1pP eS z,V N,E,V N,E,V P	14 00 45.3K 00 52.1 01 08.0 10 10 11 12 36 38 15 30	S,W 1.6/430 1.6/180 1.4/63 74° MLH=6.4 Kurilen	50.9N;157.4E h= 52km H=13:49:15.8(U) 50.9N;157.4E 60 13:49:16 (M)	
12. z	1P	15 20 06.8D			
12. z,n	e	20 46 11			
13. z	e	00 26 49	Spuren		
13. z	ep	04 17 42	Mindanao, Philippinen	5.5N;126.4E h= 30km H=04:03:56.9(U) 6.1N;126.4E 04:04:01 (M)	
13. z	ep 1 z,n,e e e n,e z E E z z N,E,V	08 15 11 15 16.6 15 26 15 30 17 55 17 58 18 08 19 06 19 35.6 19 42 20.7	S-Italien	38.9N; 17.0E h= 40km H=08:12:16 (B) 39.1N; 17.0E 45 08:12:15.4(U) 39.2N; 16.9E 60 08:12:17 (M)	
	eLm	20.7	t13 an2.4 ae1.3 av2.7		

April 1973			
13. z	1P	12 17 57.0D	Kolumbien 4.8N; 76.4W h=121km H=12:05:27.7(U)
13. z	e	14 22 08	
	e	23 49	
13. z,n	eP	14 22' 24	Äthiopien 11.9N; 43.8E h N H=14:13:56.9(U) 12.1N; 44.1E 14:13:54 (M)
13. z	e	15 21 30	Spuren, Bergschlag Oberschlesien, Polen (P)
13. z,n,e	eSg	16 54 57	Niedere Tauern, Österreich
13. z,n	eP	19 27 43	1.3/23 / Nahe der E-Küste von Kamtschatka 54.0N;161.7E h= 50km H=19:16:24.4(U) 53.9N;161.7E 55 19:16:24 (M)
13. z	ePKIKP	20 12 42	147°
E,n,e	1PKP ₁	12 45.7D	0.9/110 0.6/30 0.8/31
	1PKP ₂	12 49	
	e	15 12	S-lich der Fidschi-Inseln
	epPKP ₁	15 18	19.98;179.8E h=665km H=19:54:14.8(U) 20.08;178.5W 19:53:06 (M)
13. z	e	20 26 26	Spuren
13. z	ePKP	22 55 41	Nahe der Küste von S-Chile 52.58; 72.0W h= 11km H=22:36:39.2(U)
14. z	1P	02 10 43.6	1.1/24
	epP	11 16	
14. z	eP	03 14 47	Ägäisches Meer
	e(PP)	15 09	34.6N; 24.5E h= 50km H=03:10:34 (B) 34.5N; 24.2E 37 03:10:30.6(U) 34.3N; 24.1E 03:10:31 (M)
14. z	eP	08 46 41	87° MLH=6.8
E,n,e,E,V	e	46 44	1.9/69 / /
	e	46 52	
E,e,E,V	ePP	50 10	Kostarika
N,E	e(SKS)	57 16	10.7N; 84.8W h N H=08:34:00.1(U)
E	eSS	09 03.4	
N,E	eIm	14	t23 an37.5 ae5.5
N,E,V	eL	27	t18 an11.5 ae10.5 av18
	P	11 30	
14. z	eP	09 07 11	Kostarika 10.7N; 84.8W h N H=08:54:29.2(U)
14. z	ePKP ₂	15 27 30	Kermadec-Inseln 30.4S;178.1W h=282km H=15:07:35.1(U)
14. z	eP	16 31 16	Mindanao, Philippinen 6.5N;124.1E h= 23km H=16:17:42.1(U) 6.5N;124.3E 16:17:42 (M)
14. z	e(P)	19 57 56	Grenzgebiet Kirgisische SSR-Sinkiang 41.8N; 77.5E h= 47km H=19:49:45.7(U) 41.6N; 77.8E 19:49:44 (M)
14. z	e	21 33 49	E-lich Florenz, Mittelitalien
14. z	e	21 45 37	
14. z,n,e	e	23 27 59	
15. z	1PKIKP	06 29 25.8K	1.9/91
E,n,e,N,V	1PKP ₁	29 29.9D	1.0/390 1.3/115 0.8/87
	1PKP ₂	29 34.3D	1.2/220 1.3/135 1.2/70
	epPKP	31 52	

Fortsetzung nächste Seite

April 1973			
Fortsetzung			
15. z	ePKS	06 33 00	148° Gebiet der Fidschi-Inseln 20.68;178.8W h=610km H=06:10:50.9(U) 21.78;177.9W 06:09:44 (M)
	e	39 50	
15. z	eP	13 23 38	Gebiet des Tanganjika-Sees 7.2S; 30.3E h= 36km H=13:13:33.4(U) 8.18; 29.7E 13:13:27 (M)
15. z	1PKP	23 23 25.7	Gebiet der Fidschi-Inseln 17.8S;178.5W h=590km H=23:04:52.2(U)
16. z,n,e	eP	00 09 58	Ägäisches Meer 34.7N; 25.0E h= 55km H=00:05:45 (B) 34.8N; 25.0E 43 00:05:43.1(U)
	i	10 07.4	
	e	10 28	
	e(SS)	13 41	
	eL	16	
16. z	e	02 32 46	
16. z	eP	04 00 43	Nahe der E-Küste von Hondo, Japan 37.3N;141.7E h= 52km H=03:48:32.0(U)
16. z,n,e	e	11 06 08	
16. z,n,e	e	13 17 55	
16. N,E	eL	14 36	
16. z,n,e	1P	14 59 53.0K	1.7/71 / 0.8/12 51.1N;178.8W h= 54km H=14:48:02.8(U) Andreanow-Inseln, Aleuten 51.1N;178.8W 40 14:48:01 (M)
16. z	e	15 08 44	
16. z,e	eP	17 47 02	E-lich Grönland 77.8N; 16.6W H=17:41:11.4(P)
16. z	1P	20 35 55.2D	Nahe der E-Küste von Hondo, Japan 35.6N;140.7E h= 52km H=20:23:39.5(U) 36.4N;139.9E 20:23:44 (M)
17. z	eP	03 45 48	Afghanistan 33.3N; 68.1E h= 40km H=03:37:48.1(U) 33.2N; 68.1E 15 03:37:44 (M)
17. z,n,e	e	08 54 54	
17. z	e(P)	12 49 15	1.6/26
	e	52 42	112.5° MLH=6.6
	e	52 50	
	i(FKP)	53 11.3	Gebiet von W-Neuguinea 4.4S;134.0E h N H=12:34:26.5(U) 3.0S;134.0E 12:34:34 (M)
	ePP	53 50	
	eSKS	13 00 04	
	e	01 30	
	ePS	03.5	
	ePKKP	04 16	
	e	07 47	
	eSS	09.6	
	eIm	35	t20 an14.5 ae10
	eIm	50	t19 av13
	eIm	14 51	
	eIm	15 01	
17. z	eP	14 35 40	Gebiet der Philippinen 5.8N;127.1E h= 69km H=14:21:57.9(U) 5.9N;127.1E 14:21:54 (M)

April 1973

17. z,n,e z N,E,V	1P 1 eLm	22 21 20.2K, S 1.7/135 2.0/79 / 22 45.9 57	t19 an2.5 ae1.5 av2.5 Kurilen	50.8N; 157.5E h= 41km H=22:09:49.1(U) 50.9N; 157.6E 80 - 90 22:09:52 (M)
18. z,n z	1PKP ₁ opPKP	01 22 20.8D 1.1/28 / 23 31	Tonga - Inseln	18.38; 175.6W h=290km H=01:03:13.4(U)
18. z,n	e	01 53 27		
18. z z	eP e	03 19 29 20 09	Zentraler Mittel- atlantischer Rücken	4.0N; 31.5W h N H=03:09:23.3(U) 5.8N; 30.1W 03:09:40 (M)
18. z,n	e	04 22 04		
18. z,e z,n,e z	1Pg 1Sg eL	05 29 42.8 30 08.5 30 36		
18. z,n,e	e	16 55 44	Nahbeben	(W)
18. z	1PKP ₁	18 30 48.3D 0.8/34	Gebiet der Fidsohi-Inseln	18.6S; 178.0W h=617km H=18:12:13.5(U)
19. z z,n	1PKP e	01 51 54.2K Loyalty - Inseln 53 06		20.2S; 168.8E h= 36km H=01:32:24.4(U) 20.2S; 169.0E 01:32:24 (M)
19. z	1PKP ₁	03 36 01.8D 1.2/17	Gebiet der Fidsohi-Inseln	21.3S; 178.7W h=561km H=03:17:17.5(U)
19. z,n,e z,n,e	1P 1Pn	04 40 34.2K 1.2/43 0.5/19 0.8/21 42 00.0	Unterirdische Kernexplo- sion, Gebiet von Semipa- latinsk, Kasachische SSR	50.2N; 78.2E H=04:33:00 (B) 50.0N; 77.7E h= 0km 04:32:57.6(U)
19. z z,n,e, N,E,V E	ePKIKP 1PKP ₁ e	06 40 41 40 44.3 07 13	Gebiet der Loyalty-Inseln	22.3S; 170.3E h= 41km H=06:21:04.9(U) 22.1S; 171.4E 06:21:00 (M)
19. z,n	e	07 09 30		
19. z,n	e	07 36 07		
19. z	e	07 44 50		
19. z,n,e	e	11 34 59	Dodekanes, Griechenland	36.9N; 26.6E H=11:26:24 (G)
19. z,n	e	14 30 50		
19. z,n,e z z z N,E z z,N,E N,E	1Pn e 1 e 1 e 1Sg e eLm	17 43 33.1 44 23 45 12.7 45 20 45 35.4 45 44 46 05.1 46 18 46.8	Apenninen, Mittelitalien	43.5N; 12.4E H=17:41:40 (B) 43.5N; 12.5E h= 4km 17:41:37.2(U) 43.6N; 12.4E 17:41:37 (M)
19. z N,E,V	eP eLm	22 17 45 23	W-Anatolien	38.2N; 27.1E H=22:13:57 (B) 38.2N; 26.8E h= 13km 22:13:53.3(U) 38.6N; 27.0E 22:13:58 (M)

April 1973

19. z	eP	23 11 51	S - Iran	28.2N; 53.5E h N H=23:04:34.5(U) 28.3N; 53.2E 23:04:36 (M)
20. z	1PKP	00 52 37.3	0.8/13 Gebiet der Samoa-Inseln	14.8S; 173.1W h= 49km H=00:33:10.1(U) 14.8S; 172.5W 00:33:04 (M)
20. z	e	02 16 53	Spuren	
20. z,e z,n,e z,n,e z,e	1 1Pg eSg 1L 1L	08 00 19.7 00 21.0 00 34 00 38.6 00 43.3	105 km Sprengung 11.3t	51.00°N; 14.41°E H=08:00:01 (G)
20. z	eP	09 32 03	Nah der Küste von Guatemala	13.5N; 90.0W h= 88km H=09:19:23.4(U)
20. z,n,e n,e n z z,n z,n,e, N,E,V	e(Pg) eSx eSb ₁ eSb ₂ e eSg	12 25 54 26 36 26 45 26 51 26 57 27 05	540 km Bergschlag E - Frankreich	49°25'N; 6°02'E H=12:24:21 (B) 49.4N; 6.0E h= 0km 12:24:21.0(U)
20. z,n,e z,n,e z	1Pg 1Sg eL	12 30 22.4 30 37.3 30 58	120 km Sprengung 6.4t	50.76°N; 14.42°E H=12:30:02 (G)
20. z,n,e z,n,e e	1Pg eSg eL	14 00 21.1 00 34 00 43	110 km Sprengung 15t	50.59°N; 14.05°E H=14:00:02 (G)
20. z,e	e	16 49 01		
20. z,n,e	e	16 55 18		
20. z	1PKP ₁	18 40 46.1	1.1/14 Tonga - Inseln	18.6S; 175.5W h=159km H=18:21:22.1(U)
20. z,n,e	e	22 26 59	Bergschlag Oberschlesien, Polen	(P)
20. z,n,e	e	23 10 00		
21. z	eP	04 37 11	Spuren, Grenzgebiet Afghanistan-UdSSR	38.6N; 70.8E h= 93km H=04:29:27.4(U) 38.8N; 70.5E 20 04:29:22 (M)
21. z	ePKP ₂	05 30 23	S-lich der Kermadec - Inseln	33.2S; 179.1W h N H=05:09:48.6(U) 32.8S; 178.6W 05:09:41 (M)
21. z z	e(PKIKP) ePKP ₂	14 30 18 30 54	S-lich der Kermadec-Inseln	33.3S; 179.1W h= 33km H=14:10:19.1(U) 32.3S; 176.9E 14:10:23 (M)
21. z	1PKP ₂	17 25 41.7D	1.6/21 S-lich der Kermadec-Inseln	H=17:05:13 (S)
21. z	ePKP	20 50 03	Neue Hebriden	15.9S; 167.3E h N H=20:30:35.7(U) 15.9S; 167.3E 20:30:36 (M)
21. z z	ePKP ePP	21 28 40 30 12	Spuren, Neuguinea	6.4S; 144.3E h= 29km H=21:09:51.2(U) 6.2S; 144.7E 21:09:51 (M)

April 1973			
21. z	eP	22 23 27	Nahe der E-Küste von Kamtschatka 55.1N;161.9E h N H=22:12:12.4(U) 54.9N;162.3E 22:12:11 (M)
22. s	eP	01 59 37	Spuren, Kurilen 43.9N;148.2E h=151km H=01:47:56.3(U)
22. z,n,e	e	05 02 01	
22. s	eP	05 57 29	Provinz Jünnan, China 27.7N;104.1E h N H=05:46:20.9(U) 27.7N;104.4E 05:46:21 (M)
22. z	eP	08 22 09	Vor der E-Küste von Hondo, Japan 38.4N;143.0E h= 33km H=08:09:57.6(U) 38.6N;143.2E 08:09:59 (M)
22. z	ePKP	09 10 14	Spuren, Tonga-Inseln 15.7S;174.0W h= 54km H=08:50:42.3(U)
22. z,n	e	10 29 20	
22. z	eP epP	12 01 28 01 43	Riu-kiu-Inseln 29.4N;129.9E h= 48km H=11:49:08.7(U) 29.8N;129.8E 11:49:09 (M)
22. z,n,e z,n n z,n e N,E,V	eP e i e eLm	13 43 52 44 06 44 19.4 44 55 51	1.5/27 / / Mittelmeer, W-lich von Kreta 35.0N; 23.5E h= 50km H=13:39:47 (B) 35.2N; 23.4E 56 13:39:46.1(U) 35.1N; 23.3E 13:39:43 (M)
22. z	ePKP ₂	20 51 12	S-Insel von Neuseeland 42.38;173.0E h= 17km H=20:30:13.8(U)
22. z,e N	iP e	21 36 37.8D,E 36 50	1.3/27 1.3/16 W - Iran 30.6N; 50.0E h= 65km H=21:29:59 (B) 30.7N; 49.8E 57 21:29:57.2(U) 30.7N; 49.8E 21:29:55 (M)
22. z	eP	21 54 06	Spuren, Andreanow-Inseln, Aleuten 51.1N;179.8W h= 54km H=21:42:16.1(U) 50.8N;179.7W 21:42:12 (M)
23. z,n,e	e	01 01 37	
23. z	e	01 35 39	Spuren
23. z	eP	03 01 43	Island 64.6N; 17.5W h= 5km H=02:57:00.2(U)
23. z,n z	eP e	13 24 53 25 07	
23. z z,n z,n,e z,e z,n n,e n,e,N,E,V N,V	ePn e(Pg) e(Sn) e e i(Sg) i(L) e eLm	13 40 22 40 54 41 35 41 52 42 09 42 27.3 42 41.8 42 52 43.6	810 km N - Italien 44.0N; 12.8E h N H=13:38:37 (B) 44.0N; 12.8E 13:38:34.0(U)
23. N,E,V	eLm	14 22	Taiwan (?) (U)
23. z z	ePKPKP iPKP ₂	14 31 15 31 57.8K	S-lich der Kermadec - Inseln 34.58;179.8E h N H=14:11:19.2(U) 33.88;179.7W 14:11:19 (M)

April 1973			
23. z	ePKP ₂	14 41 34	Spuren, S-lich der Kermadec-Inseln H=14:21:00 (S)
23. z z	iPKP ₁ iPKP ₂	18 48 20.7D 48 26.4	Gebiet der Fidsohi-Inseln 20.98;179.3W h=645km H=18:29:44.8(U)
23. z	e	23 14 36	Spuren
24. z,n,e	e	00 26 03	
24. z,n,e	e	04 33 55	
24. z	e	09 10 53	
24. z,e z N,E V	iP e eLm eL	10 01 54.4 02 06 35 41	1.2/26 / t18 an1 ae1 Vor der E-Küste von Hondo, Japan 40.6N;143.5E h= 32km H=09:49:53.1(U) 41.0N;143.6E 09:49:55 (M)
24. z	i	10 06 49.2	
24. z z	e e	16 05 23 05 55	
24. z,n,e n z,e	e e e	16 22 03 22 16 22 26	Bergschlag Oberschlesien, Polen (P)
24. z,e z,n,e N,E	iP epP eSKS	18 54 57.7D 55 28 19 05	1.2/25 / Kolumbien 5.2N; 75.8W h=118km H=18:42:31.9(U) 4.9N; 75.8W 18:42:22 (M)
24. z	iP	19 54 46.6D	Kurilen 43.5N;146.6E h= 68km H=19:42:57.6(U)
24. z,n,e	iP	21 29 34.3D	2.0/60 / 2.0/44 S-lich von Panama 7.3N; 82.3W h N H=21:16:45.4(U)
24. z,n,e N,E,V	iP i i iPP eS ePKKP ePKPKP ePKPKPKP eLm P	21 42 51.3D, 43 03.9 43 15.2 46 13 53 28 22 00 47 08 40 29 34 30 01	1.7/125 1.8/530 an0.6 ae3.1 av8.9 S-lich von Panama t11 ae3.1 t16 an9.8 ae12.4 87° MPH ₁ =6.5 MPH ₂ =6.8 MPV ₁ =7.6 MLH=6.3 ² MSH ₁ =6.8 t19 an4 ae10.5
24. z	iP	21 45 51	Kolumbien H=21:33:10 (S)
24. z,e n	iP e	22 59 46.1 59 56	1.6/43 1.7/25 S-lich Panama 4.9N; 78.2W h N H=22:47:01.8(U)
25. z	eP	02 47 29	S-lich Panama 4.8N; 78.0W h N H=02:34:48.7(U)
25. z,n,e z z,n z	iP iPP i iPeP iPPPP	03 24 40.8D,N,E 26 23 26 28.6 26 31.1 27 21.7	1.7/100 / 1.2/35 Tadschikische SSR 37.6N; 72.1E h=136km H=03:16:52.3(U) 37.8N; 72.2E 110 03:16:51 (M)
25. z	iPKP e	06 59 20.8D 07 00 14	Tonga - Inseln 15.6S;175.8W h=350km H=06:40:27.7(U)

April 1973

25. z	e	07 48 31	Gebiet der Balleny-Inseln	65.58; 179.3E	h N	H=07:27:20.1(U)
25. z	eP	07 58 23	Spuren, S-lich von Panama	5.0N; 78.2W	h N	H=07:45:38.7(U)
25. z,n,e	1FKP i e N,E,V	08 22 26.6K 22 34.4 22 50 09 09	1.0/42 / / Tonga - Inseln	17.8S; 173.3W	h= 78km	H=08:02:55.1(U)
25. z	eP	08 43 10.5	1.5/25 S - Iran	26.8N; 55.6E 26.8N; 55.4E 26.6N; 55.5E	h= 43km	H=08:35:39 (B) 08:35:37.4(U) 08:35:36 (M)
25. z,n,e	1P i z,n z,e N,E N,E,V	14 33 37.2K 33 43 33 53.7 36 59 43 54 15 18	1.5/120 1.5/42 1.2/21 S-lich Hondo, Japan	33.4N; 140.7E 33.8N; 140.7E	h= 65km	H=14:21:13.2(U) 14:21:12 (M)
25. z	e	14 58 08				
25. z	eP	17 34 53	Gebiet der Vulkan-Inseln	23.5N; 143.2E 23.8N; 143.2E	h N	H=17:21:39.5(U) 17:21:42 (M)
25. z	eP	19 12 33	S-lich von Panama	4.6N; 78.3W	h N	H=18:59:48.7(U)
25. z	ePKIKP ePKP ₁ 1FKP ₂	20 32 51 33 05 33 28.4K	158° Gebiet der Kerma- dec-Inseln 1.3/105 / /	31.7S; 179.7E 32.1S; 179.3E	h=387km 100	H=20:13:41.4(U) 20:13:06 (M)
25. z	e	21 49 57	114.5° MLH=6.2			
25. z,n	e	51 53				
25. z,n,e	1FKP ePP	53 11.4 54 05	Gebiet der S-Sandwich-Inseln	59.38; 26.1W 60.2S; 28.9W	h= 67km 65	H=21:34:37.9(U) 21:34:35 (M)
25. z	e	59 27				
25. z	e	22 03 42				
25. z	ePS	03 49				
25. z	ePKKP	04 09				
25. z	eSS	07 18				
25. z	e	10				
25. z	eIm	33	t25 an5 ae4 av2.5			
26. z	e(P)	06 07 29	S-lich Hondo, Japan	33.4N; 140.9E	h N	H=05:54:52.1(U)
26. z,e	1P e	07 55 43.1D 55 52	1.4/37 / S-lich von Panama	5.1N; 78.2W	h N	H=07:42:59.5(U)
26. z	eP	14 38 04 38 13	S - Iran	27.1N; 60.8E 27.1N; 60.8E	h= 46km	H=14:30:05.4(U) 14:30:04 (M)
26. z	e	14 39 53				
26. z,n	1Pn 1Pg eSg	15 00 00.3 00 06.0 00 37	Sprengung 20t Unterirdische Kernexplo- sion, Nevada-Testort	49.26°N; 114.92°E		(0)
26. z	e	16 55 58				
26. z,n,e	eP	17 27 18	K 1.3/39 / /	37°07'23.0"N; 116°03'30.6"W		h= 0km H=17:15:00.2(U)
26. z	1P	17 35 40.3D	0.8/13			

April 1973

26. z	eP	20 40 48	108° MLH=5.9			
z,n,e,N	1PP eSKS ePS N,V z N,E z N,E,V	45 20.6 51.5 52 52 54 45 55 52 56 25 21 00 04 35 32	Hawaii	19.9N; 155.1W 20.1N; 155.1W	h= 50km	H=20:26:28.0(U) 20:26:25 (M)
27. z	e(P)	00 18 32	Spuren, S-lich von Panama	5.0N; 78.1W	h N	H=00:05:44.5(U)
27. z	eP eIm	00 35 22 42	Mittelanatolien, Türkei	33.6N; 32.9E 38.7N; 33.0E 39.0N; 33.1E	h N	H=00:31:02 (B) 00:31:03.0(U) 00:31:05 (M)
27. z,n,e	e	02 43 13				
27. z,n,e	e	08 15 20				
27. z,n,e	e	08 35 39				
27. z,n	e	15 09 24	1.2/12 /			
27. z	e N,E,V	18 36 06 19 24	Spuren			
27. z,n,e	e	21 46 05	1.5/17 / /			
28. z	eP	01 57 39	Spuren, S-lich von Panama	5.0N; 78.0W	h N	H=01:44:56.0(U)
28. z	eP e	03 02 54 03 29	Mittelmeer, SE-lich von Kreta	34.2N; 26.2E 34.3N; 26.3E	h= 55km h N	H=02:58:32 (B) 02:58:27.6(U)
28. z	eP eIm	04 55 27 05 36	SW-liche Riu-kiu-Inseln	25.7N; 125.1E 25.8N; 125.5E	h=103km	H=04:43:11.4(U) 04:43:02 (M)
28. z	eP	11 02 34	Spuren, S-Sumatra	4.0S; 102.6E 4.0S; 102.7E	h= 82km	H=10:49:29.2(U) 10:49:23 (M)
28. z	eP z,e	12 34 14 34 36.9	Ecuador	1.4S; 79.9W 0.1N; 81.1W	h=109km	H=12:21:11.7(U) 12:21:05 (M)
28. z	e	20 53 27	Spuren, Borneo	6.4N; 117.7E 6.4N; 118.1E	h N	H=20:39:43.9(U) 20:39:43 (M)
28. z,e	1FKP	21 32 55.1D	1.0/34 / Gebiet der Fidachi-Inseln	17.3S; 178.5W	h=398km	H=21:14:06.7(U)
29. z	eP	00 49 44	Naher der E-Küste von Hondo, Japan	39.2N; 142.4E 39.4N; 142.7E	h= 33km	H=00:37:38.3(U) 00:37:38 (M)
29. z,n,e	eP eIm	14 42 36 50	1.6/29 / / N - Marokko	34.7N; 4.2W 34.6N; 4.1W 34.9N; 4.7W	h= 19km	H=14:37:55 (B) 14:37:53.9(U) 14:37:56 (M)
29. z,n,e	1FKP ₁	18 56 28.2	1.1/27 / / Gebiet der Fidachi-Inseln	19.8S; 177.7W	h=364km	H=18:37:25.5(U)

April 1973

29. z N,E,V	eP eIm	20 04 43 30	Spuren, W-Pakistan	29.3N; 68.7E h= 24km H=19:56:14.3(U) 29.5N; 68.7E 20 19:56:15 (M)
29. z	eP	21 47 25	1.4/23 Nahe der Küste von Kamtschatka	56.8N;161.7E h N H=21:36:19.5(U) 56.9N;162.1E 21:36:17 (M)
29. z,n	1PKP	23 50 25.1D	1.3/32 /	
30. z s	1PKP ₁ 1PKP ₂	02 12 58.8 13 10.6	1.0/23 0.8/15 S-lich der Fidsohi-Inseln	25.48;179.9E h=479km H=01:53:57.3(U)
30. z	e	02 56 48	Spuren, Bergschlag Oberschlesien, Polen	(P)
30. z	e	05 48 45		
30. z s,e	1P i	07 38 10.7 38 14.2	0.8/12 Grenzgebiet UdSSR- Mongolei	51.0N; 89.7E h N H=07:29:48.7(U) 51.5N; 89.5E 07:29:52 (M)
30. z,n,e,V s s,n,e s	1PKP ePKP 1SKP ePP	08 57 37.6K,S 59 58 09 00 21.3 01 17	0.6/235, 0.5/125 0.6/66 1.2/55 / / Fidsohi-Inseln	17.58;179.6E h=613km H=08:39:07.7(U) 17.68;179.7E 450 08:38:52 (M)
30. z,n	e	09 27 40		
30. z	1P	09 41 39.2K	0.6/22	
30. z,n,e e	e e	13 16 06 16 12		
30. z,e	e	13 38 05		
30. z	eP	15 53 19	W-Kaukasus	43.3N; 43.8E h= 46km H=15:48:24.8(U) 43.5N; 44.1E 15 15:48:21 (M)
30. z	e	16 01 07		
30. z	eP	16 52 08	Gebiet der Riu-kiu-Inseln	29.9N;131.6E h= 62km H=16:39:49.8(U)
30. z	1P	18 39 41.9	0.6/18	
30. z	eP	21 13 27	S-lich von Panama	5.0N; 78.0W h= 23km H=21:00:41.0(U)
30. z z z N,E	1P i ePP eIm	22 50 03.1K 50 15.2 53 09. 23 29	1.0/21 Nahe der E-Küste von Hondo, Japan	36.2N;141.4E h= 51km H=22:37:47.9(U) 36.7N;141.4E 22:37:48 (M)

- 19 -

Mai 1973

1. z,n,e	1P	01 04 30.8K,N	1.1/53 1.4/25 1.4/26 Kurilen	43.9N;148.4E h= 57km H=00:52:39.7(U) 44.0N;148.6E 25 00:52:35 (M)
1. z	e	01 08 56		
1. z,n,e	e(Sn)	05 48 35	Adriatisches Meer	42.6N; 17.2E h N H=05:44:25.1(U)
1. z s,n,e,V n z,n,e	1PKIKP 1PKP ₁ i i	08 01 42.2 01 43.3D,N,E 01 47.0 01 58.0	1.0/270 1.4/71 0.9/50 Gebiet der Fidsohi-Inseln	18.08;178.3W h=596km H=07:43:09.1(U) 18.68;177.4W 07:42:06 (M)
1. z	1PKP ₁	10 13 17.2D	1.4/25 Tonga - Inseln	19.88;173.8W h N H=09:53:31.7(U)
1. z,n,e s N,E V	1PKP ePP eIm eIm	10 59 47.8D 11 01 41 45 59	2.0/61 / / t22 an1.5 ae1 Gebiet von E-Neuguinea	10.08;150.2E h= 27km H=10:40:46.9(U) 9.88;150.3E 10:40:48 (M)
1. z s	1PKP ₁ 1PKP ₂	15 34 09.6D 34 21.4K	1.0/24 1.1/29 S-lich der Fidsohi-Inseln	25.28;179.4E h=544km H=15:15:15.2(U)
2. z z N,E,V	ePKP e(PP) eIm	01 45 22 47 29 02 45	Gebiet von E-Neuguinea	10.08;150.2E h= 29km H=01:26:20.7(U) 10.08;150.3E 01:26:16 (M)
2. z,n,e	1P	05 30 54.9	0.9/28 / / Kurilen	44.0N;148.4E h= 48km H=05:19:02.9(U) 44.0N;148.7E 05:19:00 (M)
2. z	e	10 09 07		
2. z	e	13 04 37		
2. z	ePKP	13 58 50	Spuren, Nahe der Küste von S-Chile	48.98; 75.8W h N H=13:39:45.4(U) 44.98; 70.9W 13:39:47 (M)
2. z	eSg	14 15 38	E-lich des Obdacher Sattels, Steiermark, Österreich	47.05°N;14.8°E H=14:13:17 (W)
2. z,n,e	e	16 13 39		
2. z	1PKP	16 46 14.4K	0.8/13	
2. z,n,e	e	16 56 37	Nahbeben	(W)
2. z,e	eP	23 22 18	Transatlantische seis- mische Zone, SW-lich von Portugal	36.4N; 12.6W H=23:17:09 (B) 36.5N; 12.3W h N 23:17:11.6(U) 36.6N; 13.0W 23:17:10 (M)
2. z,n,e	e	23 49 41		
3. z	e	01 28 50	Ionisches Meer	38.1N; 19.8E h= 32km H=01:22:33.3(U)
3. z,n,e	e	02 01 53		
3. z	eP	02 44 13		

Mai 1973	
7. z,n,e	e 21 27 22
8. z	ePKP 01 02 49 Neue Hebriden 15.7S;167.8E h=153km H=00:43:47.9(U) z ePP 05 47 15.7S;168.1E 00:43:34 (M)
8. z,n,V	1PKIKP 05 03 33.6D 1.4/(470) / / 17.6S;178.9W h=543km H=04:44:56.5(U) z,n,e,N 1PKP 03 34.4 17.4S;178.6W 400 04:44:43 (M) Gebiet der Fidischl-Inseln
8. z,n,e	1P 08 00 39.3D 0.8/52 / / 45.7N;149.6E h= 95km H=07:48:59.8(U) z e 00 46 Kurilen 45.9N;149.5E 110 07:49:02 (M)
8. z	eP 10 12 21 Provinz Kansu, China 33.0N;104.0E h N H=10:01:38.2(U) z eL 37 32.9N;104.2E 10:01:33 (M)
8. z	eP 11 33 23 Norwegisches Meer 72°N; 2°E H=11:28:27 (S)
8. z	o 14 11 41
8. z	o 19 10 15 660 km z,n,e 1Pg 10 22.9 Gebiet von Bergamo, z 1 11 13.2 Lombardei, Italien 45.7N; 9.7E H=19:08:24 (B) z 18g 11 45 45.7N; 9.7E h N 19:08:24.0(U)
9. z	o 02 27 23
9. z	o 02 28 59 z,n,e o 29 14
9. z	o 05 24 44
9. z	o 11 28 33
9. z	o 11 38 24
9. z,e	o 13 22 11 Bergschlag Oberschlesien, Polen (P)
9. z	ePKP 14 35 32 Halmahera 1.6N;128.5E h= 57km H=14:17:20.1(U) 1.7N;128.8E 14:17:17 (M)
10. z	o 08 56 19 Spuren
10. z,n,e	1P 11 51 19.2K 1.5/49 / / 51.4N;179.5W h= 61km H=11:39:31.5(U) z o 51 29 Andreanow-Inseln, 51.4N;179.2W 11:39:28 (M) z ePP 54 17 Aleuten
10. z	epP 14 00 04 Ecuador 2.1S; 78.8W h=131km H=13:46:34.1(U) esP 00 23
10. z,e	ePg 16 30 28 Bergschlag Oberschlesien, z,n,e 18g 31 18.1 Polen (P)
10. z	eP 18 03 57 Nahe der Küste von Jalisco, Mexiko 19.0N;104.8W h N H=17:50:53.1(U) 19.1N;104.8W 17:50:49 (M)
10. z	e(P) 19 15 06 S-lich der Marianen 12.1N;143.7E h N H=19:01:14.2(U)
10. z	eP 23 58 19 1.7/17 Mittelindischer Rücken 12.2S; 65.8E h N H=23:46:19.8(U) 11.5S; 65.5E 23:46:25 (M)

Mai 1973	
11. z	1P 00 14 15.1K N-atlantischer Rücken, 79.2N; 2.5E h N H=00:08:21 (B) z e 14 23 W-lich Spitzbergen 79.4N; 3.1E 00:08:22.0(U) 79.4N; 2.5E 00:08:17 (M)
11. z	o 02 04 35
11. z	ePKP 05 31 31
11. z	eP 10 59 26 Spuren, Molukken-Straße 1.0N;126.0E h= 24km H=10:45:25.4(U) z e 11 02 47 1.1N;126.0E 65 10:45:31 (M) z N,E,V eL 49
11. z,e	1P 13 59 36.1K,W 2.2/120 / z 1 59 53.1 36.5° MLH=5.1 z e 14 01 57 z N,E eS 05 24 S-Khorassan, Iran 33.4N; 57.6E H=13:52:34 (B) z N,E eLm 15 t17 an2 ae2 33.4N; 57.4E h= 50km H=13:52:31.7(U) z V eLm 17 t17 av2 33.4N; 57.5E 13:52:25 (M)
11. z,n	eP 16 16 16
12. z	eP 05 59 51 S - Sumatra 3.2S;101.2E h= 51km H=05:46:48.7(U) z o 06 01 32 3.3S;101.2E 05:46:47 (M) z e 03 05
12. z	eP 07 16 59 Spuren, Gebiet der Insel Unimak 53.6N;163.7W h N H=07:05:16.6(U) 54.6N;164.3W 07:05:23 (M)
12. z	eP 07 35 31 Gebiet der Insel Unimak 53.5N;163.7W h= 30km H=07:23:49.4(U) 54.4N;164.1W 07:23:54 (M)
12. z,n,e	o 13 07 32 Spuren
12. z	eP 16 35 37 122° MPPV _k =6.2 MPPH _k =6.2 z ePKP 39 05 MLH=6.0 z e 39 09 z o 40 00 z,n,e,V 1FP 40 43.7 2.2/135 2.2/68 2.2/55 z ePPP 43 18 z ePKP 49 04 z N,E ePS 50 36 Gebiet von Neu-Irland 3.7S;152.1E h= 13km H=16:20:09.2(U) z N,E eSS 57.5 3.1S;152.0E 16:20:13 (M) z N,E eSSS 17 01.8 z N,E,V eLm 29 t20 an2 ae2.5 av2 F 18 30
12. z	o 18 25 50
12. N,E	eL 20 40 z eL 45
12. z,e	1P 22 32 54.6K 1.3/17 1.0/13 35.6N; 69.7E h= 96km H=22:25:03.8(U) z 33 31.9 Gebiet des Hindukusoh 35.8N; 69.7E 105 22:25:06 (M) z,n,e ePP 34 39
13. z,n	o 01 22 14 Bergschlag Oberschlesien, z,n,e 18g 22 24.2 Polen (P)
13. z,n,e	1P 01 42 17.3D 1.8/48 / / z e 42 23 N-lich der Insel 0.9S; 13.2W h N H=01:32:36.1(U) z e 43 53 Ascension 0.3S; 13.3W 01:32:39 (M) z N,E,V eLm 02 08

Mai 1973

13. z, e z	1P ePP	11 28 32.3K 2.7/115 / 30 34 Arabisches Meer	14.4N; 55.7E h= 11km H=11:19:36.5(U) 14.0N; 55.6E 11:19:35 (M)
13. z	eP	13 08 46 Spuren, Mindoro, Philippinen	13.6N; 120.8E h= 1km H=12:55:42.6(U) 13.8N; 120.9E 12:55:48 (M)
13. z z N, E, V	ePKP e(PP) eIm	13 31 19 1.8/23 33 41 Gebiet der Oster-Insel 51	23.6S; 111.9W h N H=13:12:11.4(U) 17.4S; 112.9W 13:12:22 (M)
13. z	e	13 37 57	
13. z	1PKP	16 51 02.8K 1.8/32 Gebiet der Oster-Insel	23.7S; 112.0W h N H=16:31:52.9(U) 23.7S; 112.4W 16:31:55 (M)
13. z	eP	22 31 19 Spuren, S-lich von Hondo, Japan	33.1N; 140.5E h= 57km H=22:18:53.0(U)
14. z, n, e, V	1P	02 30 50.9K, S, W 1.0/220 1.3/76 0.9/66 Kurilen	44.1N; 148.2E h= 64km H=02:19:01.6(U) 44.4N; 148.0E 40 02:19:01 (M)
14. z n, e z, n, e z, n, e e z, n, e	ePg 1Sg eL 1Sg i eL	11 20 58 Spuren 2 Sprengungen 21 10.6 21 22 26 10.6 26 12.8 26 22	
14. z, n, e z, e	e eL	16 30 18 30 45	
14. z, n, e z, n, e z, e	eFKP ePP e(FKS)	17 30 40 1.8/90 1.4/27 / 33 47 Gebiet der Fidschi-Inseln 34 21	16.6S; 175.9E h= 54km H=17:11:13.8(U) 16.8S; 176.1E 17:11:06 (M)
14. z z	1P e	20 33 45.0D 34 36	
14. z	1PKP ₁	21 25 50.4K 0.7/18 S-lich der Fidschi-Inseln	23.7S; 179.6E h=662km H=21:07:08.8(U)
14. z z, n, e z z z n z n	1PKP 1PKP ₁ 1PKP ₂ i i e e e(pFKP) e	21 34 35.2D 149.5° 34 40.1K S-lich der 34 46.8D Fidschi-Inseln 34 53.4 34 59.7 35 26 35 53 36 39 37 36	22.0S; 179.1W h=501km H=21:15:47.9(U) 21.9S; 178.7W 360 21:15:34 (M)
15. z, n, e	e	05 14 01	
15. z z	1P 1pP	06 26 19.3D 1.0/18 26 32.6K Nahe der E-Küste von Hondo, Japan	37.8N; 141.8E h= 50km H=06:14:10.7(U) 37.9N; 141.9E 06:14:09 (M)
15. z	1P	18 48 22.8 Grenzgebiet Afghanistan-UdSSR	37.3N; 71.7E h=126km H=18:40:32.9(U) 37.4N; 71.7E 120 18:40:33 (M)
15. z, n, e	e	20 15 37	
15. z	1P	22 43 12.1 0.8/11	

Mai 1973

15. z e e e z, n, e z, n, e z	1Pn 1 e e e 1Sn 1Sg i	22 51 58.6 460 km 52 03.3 Hohe Tauern, Österreich 52 05 52 22 52 47.9 53 08.8 53 14.2	47.1N; 13.1E H=22:50:55 (B) 47.2N; 12.9E h= 10km 22:50:54.7(U)
16. z z	1PKP ₁ 1PKP ₂	08 15 42.9D 0.8/30 15 49.3 S-lich der Fidschi-Inseln	22.0S; 179.4W h=606km H=07:57:00.6(U)
16. z	e	09 43 35	
16. z, n, e z	e e	12 09 50 Nahbeben 10 18	(W)
16. z	e	17 14 07	
16. z z	1PKP ₁ 1PKP ₂	19 26 12.2 0.8/19 26 19.3 S-lich der Fidschi-Inseln	22.0S; 179.5W h=607km H=19:07:29.4(U)
17. z, n, e z	1PKP ₁ epFKP	02 03 45.4D 1.1/32 / / 04 44 Tonga - Inseln	18.1S; 175.0W h=215km H=01:44:29.0(U)
17. z	e	02 18 10 Spuren	
17. z, n	e	02 33 50	
17. z, n, e	1P	06 29 39.2K 0.8/66 0.5/25 0.7/26 Kurilen	44.6N; 149.2E h N H=06:17:46.4(U) 44.5N; 149.4E 06:17:46 (M)
17. z, e z, n, e z, n, e	1Pg 1Sg eL	07 30 24.1 120 km Sprengung 8.7t 30 40.1 30 52	50.79°N; 14.53°E H=07:30:02 (G)
17. z, n	e	07 43 40	
17. z, n, e z N, E	eP e(PP) eIm	09 46 41 1.2/58 / 1.1/37 48 23 S-liche Provinz 10 07 Sinkiang, China	41.0N; 82.2E h N H=09:38:10.0(U) 41.2N; 82.2E 09:38:10 (M)
17. z, n, e z N, E, V	1Pg 1Sg eL	12 59 38.7 Sprengung 59 41.5 59 43	
17. z, n, e z	1P 1pP	15 56 44.8K 1.8/70 / / 57 00.1 S-lich von Hondo, Japan	33.1N; 140.7E h= 62km H=15:44:19.5(U) 33.4N; 140.7E 50 15:44:19 (M)
17. z, e z	1P i	16 11 47.4K 1.0/27 / 11 56.2 76° MPV _k =5.3 Unterirdische Kernexplo- sion, "RIO BLANCO", Colorado, 90kt	39°47'34.8"N; 108°21'59.6"W h=2020.8m H=16:00:00.0(U)
17. z, e z	e1P ePPP	16 18 31 0.8/28 / 20 04 Khorassan, Iran	35.6N; 57.9E h= 50km H=16:11:40 (B) 35.5N; 57.8E 45 16:11:37.1(U) 35.6N; 57.8E 16:11:36 (M)

Mai 1973					
17. z	ipP	19 34 43.7	S - Sumatra	2.3S;100.8E h= 80km H=19:21:33.9(U) 1.8S;101.1E 19:21:30 (M)	
18. z	IP	01 54 27.4	1.5/19		
18. z,n,e	e	02 42 32			
18. z,e	1PKP, 1PKP ₂	09 34 01.1D 0.9/19 / 34 06.2	Gebiet der Fidshi-Inseln	20.7S;178.6W h=595km H=09:15:20.2(U)	
18. z,n,e	IP eLm eLm	10 48 42.1K,S,W 1.4/275 1.4/105 1.1/54 11 21 27	Kurilen	44.6N;149.3E h N H=10:36:50.3(U) 45.0N;149.1E h= 50km 10:36:54 (M)	
18. z,n,e	e	12 28 49			
18. z,n,e	e	13 05 41			
18. z	1PKP e eLm	13 39 05.8D 1.3/22 39 11	Gebiet von Neu-Britannien	6.2S;151.8E h= 34km H=13:20:10.2(U) 6.1S;152.1E 13:20:10 (M)	
18. z,n,e	1Pg 1Sg	14 25 20.4 25 33.3	Sprengung		
18. z,n	e	15 03 22			
18. z,n,e	e	15 18 31			
18. z,n,e	e	16 27 20			
19. z,e	eP e eS eLm	00 43 01 43 09 43 44 47 45 54	1.9/29 / MLH=5.0 27° N-licher Mittel- atlantischer Rücken t16 an1 ae3 av3.5	57.5N; 33.4W h N H=00:37:22 (B) 57.5N; 33.0W 00:37:22.5(U) 57.6N; 33.6W 00:37:16 (M)	
19. z,e	eP	00 49 53	N-Atlantik	57.5N; 33.1W h N H=00:44:10.8(U)	
19. z,e	eSg	03 08 27	Nahbeben	(W)	
19. z	e	03 29 11	Türkei	38.5N; 37.7E 03:24:15 (M)	
19. z,n,e	e	06 08 28			
19. z,n,e	e	10 53 48			
19. z	e(P) ePP	11 14 47 16 32	Grenzgebiet Afghanistan-UdSSR	36.4N; 71.1E h=110km H=11:06:54.0(U) 36.6N; 71.3E 100 11:06:54 (M)	
19. z,n,e	e	12 01 54			
19. z	1(Sn) 1 eSb eL	19 39 41.1 39 55.9 40 08 40 54	Abruzzen, Italien	42.5N; 13.3E H=19:35:47 (B)	
19. z	e	19 45 57			
19. z,e	e(P)	21 55 53	1.6/34 1.7/35 Kaukasus	42.5N; 45.9E h N H=21:50:45 (B) 42.8N; 45.9E 21:50:38.4 (U) 42.7N; 45.4E 21:50:35 (M)	

Mai 1973					
20. z,n,e	e	00 31 43			
20. z	1PKP 1	00 55 07.8D 0.8/17 55 11.7			
20. z	eP	03 11 43	Spuren, Gebiet von Kuba	19.8N; 75.4W h N H=03:00:09.2(U)	
20. z,n,e	IP	18 29 02.1K 1.0/19 / /	S - Alaska	61.0N;152.4W h=118km H=18:18:18.0(U) 60.2N;151.9W 18:18:03 (M)	
21. z	e	03 16 10	Spuren		
21. z	IP	03 41 48.0D 0.8/13			
21. z	1PKP ₁	05 18 23.1D 1.1/20	Gebiet der Fidshi-Inseln	20.2S;178.0W h=550km H=04:59:38.6(U)	
21. z	IP	09 28 15.4K 0.6/18	Kurilen	47.5N;152.4E h=137km H=09:16:45.1(U) 47.6N;152.6E 160 09:16:46 (M)	
21. z	eP	12 01 30	Spuren, Carlsberg-Rücken	1.3S; 67.5E h N H=11:50:20.5(U) 0.6S; 68.2E 11:50:23 (M)	
21. z,n,e	e	17 04 16			
21. z,n,e	e	18 26 21			
21. z	eP	20 30 18	Riu-kiu-Inseln	27.5N;129.3E h N H=20:17:50.7(U)	
21. z,n	e	21 58 24			
21. z,n	e	23 14 28	Spuren		
21. z	e(P) ePKS	23 27 58 31 42	Spuren, Gebiet der Samoa-Inseln	16.18;172.1W h N H=23:08:17.6(U)	
22. z,n,e	e	11 25 35			
22. z	e	13 06 32 06 36			
22. z,n	eP	15 29 55	Peloponnes, Griechenland	36.8N; 22.3E H=15:26:14 (B)	
22. z,n,e	1PKP ₁	17 25 12.5K 1.5/63 / /	Tonga - Inseln	20.9S;174.0W h N H=17:05:25.7(U) 20.6S;176.4W 17:05:31 (M)	
22. z,n,e	e	18 36 21			
22. z	e	19 22 06	Spuren		
22. z	ePKP e e	22 24 01 24 08 26 02	Gebiet von E-Neuguinea	10.0S;150.3E h= 13km H=22:04:58.4(U) 9.9S;150.5E 20 22:04:59 (M)	
23. z	1	00 06 22.8			
23. z,n	e	01 22 15			
23. z,n,e	eP	02 24 20	1.2/14 1.3/27 1.0/16		

Mai 1973-							
23. z,e z,n,e e	ePg e(Sg) iL	03 04 43 05 32 05 37.7	Bergschlag Oberschlesien, Polen				(P)
23. z,n	e	05 25 49					
23. z z z N,E,V	eP e ePP eLm	10 28 04 28 17 30 15 54	Gebiet der Insel Ascension	5.08; 11.6W h N 7.38; 14.3W		H=10:17:59.8(U) 10:17:34 (M)	
23. z,n	e	14 06 48					
23. z,n	e	14 17 41					
23. z z,n,e	e e	22 09 44 09 52	Nahbeben				(W)
24. z,n,e	eP	02 05 22	1.2/20 / / Gebiet der Philippinen	20.3N;121.3E h N 20.5N;121.4E		H=01:52:47.3(U) 01:52:48 (M)	
24. z,e z	eP e	02 35 03 35 24	Mittelindischer Rücken	9.2S; 67.2E h N 9.3S; 67.3E		H=02:23:16.2(U) 02:23:10 (M)	
24. z,n	e	06 58 05					
24. z,n	e	16 25 54					
24. z,n,e z N N N,E,V	iP e eS eSS eLm	18 59 02.8 59 13 19 08 53 14.3 43	1.3/84 1.2/37 1.0/26 77° MLH=5.2 Andreanow-Inseln, Aleuten	51.6N;173.4W h= 43km 51.9N;173.6W		H=18:47:11.7(U) 18:47:12 (M)	
24. z,e z,n,e	eP epP	19 46 50 47 16	1.6/21 / Guatemala	14.7N; 91.2W h=100km 15.3N; 91.5W		H=19:34:13.5(U) 19:34:08 (M)	
24. z	iP	21 06 06.2D	1.1/17 Kurilen	45.5N;150.7E h N 45.5N;150.5E		H=20:54:15.8(U) 20:54:17 (M)	
24. z z	eP e	22 30 46 31 00	Spuren, Gebiet von Hokkaido, Japan				
24. z	eP	23 22 13	SE-Iran	41.4N;144.3E h N		H=22:18:47.0(U)	
25. z z n z	ePg iSg eL eL	03 18 47 19 07.3 19 20 19 31		27.9N; 58.7E 28.0N; 57.9E h N 27.7N; 57.8E h= 20km		H=23:14:26 (B) 23:14:33.2(U) 23:14:29 (M)	
25. z	e	04 25 35					
25. z,n,e z,e z,e N,E V	e(P) e e eLm eLm	08 48 31 48 39 48 51 09 11 16	1.5/29 / / W - Pakistan				
25. z	e	12 01 12		25.5N; 66.5E h= 57km 25.6N; 66.3E		H=08:39:53.9(U) 08:39:55 (M)	

Mai 1973							
25. z,n,e z z,n,e	iPg i e(Sg)	12 45 52.2 45 53.8 46 06	130 km Sprengung				
25. z	iP	13 29 09.3	1.2/20 S-lich Alaska			53.2N;161.3W h= 39km H=13:17:26.1(U) 53.3N;161.4W 13:17:26 (M)	
25. z	iP	17 08 02.7	1.1/13 E-lich der Kurilen			45.2N;151.1E H=16:56:11 (M)	
25. z,n,e	e	17 11 25					
25. z,n	ePKP ₁	18 06 30	S-lich der Fidsohi-Inseln	23.18;176.1W h N		H=17:46:39.5(U)	
25. z	eP	21 28 11					
26. z,n z z	iP epP e	02 27 45.2 28 00 28 12	1.8/55 / Nahe der E-Küste von Hondo, Japan			37.2N;141.4E h= 56km H=02:15:35.4(U) 37.5N;141.4E 45 02:15:36 (M)	
26. z	epP	08 27 55	Spuren, Gebiet der Kurilen			43.9N;152.0E h N H=08:15:45.0(U)	
26. z,n,e,N,V z,N,E N N,E V	iP eS eSS eLm eLm	12 31 24.9 41 09 46.9 13 09 13	1.4/115 1.5/49 / 77° MLH=5.9 t18 an4.5 ae3.5 t18 av4.5 Andreanow-Inseln, Aleuten	51.4N;179.7W h= 39km 51.5N;179.6W		H=12:19:34.4(U) 12:19:32 (M)	
26. z	iP	13 23 59.2D	Andreanow-Inseln, Aleuten	51.3N;179.7W h= 56km 51.7N;179.8W		H=13:12:10.1(U) 13:12:10 (M)	
27. z z,n,e z z	ePKIKP iPKP ₁ iPKP ₂ epPKP	06 57 08 57 13.2D 57 18.4 58 49	149° 1.0/67 / / 0.8/50 Gebiet der Fidsohi-Inseln			21.38;177.9W h=422km H=06:38:13.4(U) 21.38;176.6W 06:37:28 (M)	
27. z	eP	16 33 34	Gebiet der Vulkan-Inseln	24.9N;142.7E h N 24.5N;142.9E		H=16:20:27.4(U) 16:20:24 (M)	
27. z	eP	19 59 03	Japanisches Meer			37.3N;135.1E h=374km H=19:47:42.3(U) 33.2N;139.0E 19:46:35 (M)	
27. z	eP	21 28 24	S - Indik			2.5S; 65.2E h N H=21:17:17.1(U) 2.3S; 64.9E 21:17:18 (M)	
28. z z,n,e z,n,e N,E,V z z,n,e N,E E N,E V	e(P) e e e e e(SKS) eSS eLm eL	20 39 38 39 45 40 04 40 12 43 22 49 15 50 00 55 10 21 21 24	83° MLH=5.6 Gebiet der Maskarenen			18.1S; 65.3E h N H=20:27:11.2(U) 17.9S; 66.5E 20:27:09 (M)	
29. z z,n,e,N,V N z z z z N,E N,E V	iP i e e epP e eS eLm eLm	01 58 29.9K 58 33.6D 58 42 59 34 02 01 26 01 36 08 16 34 40	76° MLH=5.7 2.1/175 2.2/91 / Ratten-Inseln, Aleuten			51.7N;176.2E h= 46km H=01:46:44.9(U) 51.7N;175.9E 01:46:42 (M)	
			t19 an3 ae2.5 t16 av2.5				

Mai 1973
 29. z,n,e eP 02 02 47 Ratten-Inseln, Aleuten 53.9N;177.3E H=01:51:09.4(P)
 29. z,n eP 04 56 56 Grönländisches Meer 73.1N; 7.7E H=04:52:00 (U)
 73.7N; 9.5E h N 04:51:57.9(U)
 73.2N; 8.3E 04:52:02 (M)
 29. z,n,e,N,V 1P 06 26 02.2K,S,E 1.6/430 1.5/150 1.0/72
 z,n,e e 26 12
 n i 26 20.28 74.5° MLH=5.3
 z e 27 53 Gebiet der Insel Unimak 54.0N;163.8W h= 30km H=06:14:22.3(U)
 e e 28 30 53.8N;163.7W 06:14:18 (M)
 z e 28 41
 N,E eS 35 36
 n,e e 35 58
 z e(FKPKPK) 53 28
 N,E,V eLm 07 05 t16 an1 ae1 av1.5
 29. z,n e 09 36 25
 29. z e(P) 11 59 22 Gebiet der Maskarenen 17.5S; 66.5E h N H=11:46:54.5(U)
 17.7S; 68.5E 11:46:49 (M)
 29. z,n e 12 23 19
 29. z eP 23 18 27 Gebiet der Kommandeur-Inseln 55.0N;164.0E h N H=23:07:09.4(U)
 54.8N;164.0E 23:07:08 (M)
 29. z,n e 23 43 36
 30. z e 04 24 37 Spuren
 30. z,n,e 1P 04 51 03.0D 1.3/32 / 1.3/20
 z,e,V,E epP 51 31
 z isP 51 40.9 93° h=100km
 E,V ePP 51 55 Ecuador
 z epPP 54 52
 e,N,E eSKS 55 12 2.3S; 78.5W h=111km H=04:38:01.8(U)
 e,N,E eS 05 01 28 2.0S; 78.8W 04:37:53 (M)
 N eS 02 04
 E eSS 02 50
 08.9
 30. z 1PKP 11 58 57.9K 0.8/29
 Gebiet der Fiduchl-Inseln 17.6S;179.0W h=553km H=11:40:21.8(U)
 13.8S;167.2E 11:39:40 (M)
 30. z e 12 32 54
 z e 34 07
 30. N,E,V eL 13 43.1
 31. z,e eP 05 51 57 1.5/29 /
 z,e e 52 13 Nahe der Küste
 z,n,e ipP 52 27 von Guatemala
 n e 52 43
 z e 55 43 13.9N; 90.9W h= 99km H=05:39:18.8(U)
 14.7N; 90.6W 05:39:15 (M)
 31. z,n e 11 31 29
 31. z,n,e e 13 37 33
 31. z 1P 14 47 53.0D 0.8/14
 31. z eP 17 48 46 Ratten-Inseln, Aleuten
 51.3N;176.3E h= 10km H=17:36:52.9(U)
 51.5N;175.7E 17:36:59 (M)
 31. z e(P) 19 58 11 1.6/21
 z e 58 36 S - Iran
 28.3N; 56.1E H=19:50:42 (B)
 28.2N; 56.2E h N 19:50:36.9 (U)
 27.5N; 56.3E 19:50:33 (M)

Mai 1973
 31. z,n,e e 22 30 14
 31.5. - 1.6.
 z,n,e 1P 23 50 38.8K 1.0/51 / 1.0/34
 z,n,e,N,E,V 1(P₂) 50 55.7 2.2/600 2.2/210 2.1/250
 z,N,E,V e 53 09 65.5° MPV_k=5.7 MP₂V_k=6.5
 n e 53 38
 z,e,V e(PPP) 54 51 MP₂H_k=6.6 MSH=6.4 MLH=5.9
 n,e e 58 58
 n,e,N,E eS 59 16 t9 an2.3 ae1.1
 N,E ePS 59 37
 z ePPS 59 47 Grenzgebiet Burma-Indien 24.3N; 93.5E h= 30km H=23:39:56.7(U)
 N,E e(SSS) 00 06.9 24.0N; 93.6E 50 23:39:57 (M)
 N,E,V eLm 17
 z,e ePKPKPK 19 17 t22 an9 ae3 av3.5
 P 01 30

Juni 1973

1. z	ePKP e(PF) eSKKS eSSS eLm eLm F	07 41 53 43 54 50.8 08 04.9 32 38 10	123.5° MLH=6.1 SE-Indischer Rücken	47.8S; 99.7E h N 47.8S; 99.6E	H=07:22:57.1(U) 07:22:53 (M)
1. z	e	08 42 49	Spuren		
1. z	e(PKP)	08 47 52	S-lich Australien	50.1S; 114.3E h N	H=08:28:33.6(U)
1. z,e z,n,e z,e	ePg i(Sg) eL	12 02 21 02 31.4 02 42	Sprengung		
1. z,e N N,E N,E N,E	eP e eL eL eL	12 54 40 13 07 41 10 07 11.4 15.3	S-liche Provinz Sinkiang, China	41.1N; 82.1E h N 41.2N; 82.2E	H=12:46:08.8(U) 12:46:10 (M)
1. z	eP	13 14 03	Grenzgebiet Burma-China	25.2N; 98.6E h N 24.5N; 99.0E	H=13:03:01.8(U) 13:02:53 (M)
1. z	eP	16 50 52	Junnan, China	24.3N; 98.7E	H=16:39:49 (M)
1. z z z	ePKIKP iPKP1 iPKP2	20 19 03 19 08.0D 19 12.8K	148° 0.9/26 1.0/15		
2. z,n	e	00 59 55	Gebiet der Fidusch-Inseln	20.8S; 178.6W h=613km	H=20:00:28.3(U)
2. z z,n,e	e eSg	02 27 16 27 30	Bergschlag Oberschlesien, Polen		(P)
2. z,n,e	e	11 02 38			
2. z,n,e N,E,V	eP eL	20 18 46 47	Gebiet der Dominikanischen Republik	19.6N; 70.6W h= 40km 21.1N; 70.6W 25	H=20:07:30.5(U) 20:07:36 (M)
3. z,n,e,V z,n,e,N,E,V e z,e,V z,n,e,E,V N,E,V N,E N,E N,E,V	iP 1 1 1 ePP eS eSS eLm eLm F	00 05 29.8K,W 05 37.4D,E 05 45 05 50.8 07 24 12 14 15.4 21 25 01 30	0.9/175 0.7/50 1.1/98 1.0/470 0.8/160 1.2/280 46° MPV _k =6.0 MPH _k =6.1 MLH=6.0 N-liche Provinz Sinkiang, China	44.1N; 83.6E h= 26km 44.2N; 83.6E	H=23:57:04.2(U) 23:57:05 (M)
3. z	ePKP	14 28 43	S-lich der Fidusch-Inseln	23.7S; 180°	h=541km H=14:09:51.3(U)
3. z,n,e	e	21 32 58			
4. z	eP	00 31 59	Spuren, Nahe der E-Küste von Hondo, Japan		
4. z	eP	02 55 48	S-lich Hondo, Japan	40.1N; 142.4E h= 58km 33.3N; 140.4E h= 62km 34.1N; 140.2E	H=00:20:08.6(U) H=02:43:24.3(U) 02:43:25 (M)



Juni 1973

4. z,n,e z z	ePKP1 ePKP2 e	09 42 30 42 39 42 57	0.9/48 / / S-lich der Fidusch-Inseln	23.4S; 179.9W h=554km 23.4S; 179.1E	H=09:23:40.1(U) 09:22:49 (M)
4. z z	iP e	15 31 13.0 31 18			
4. z	iP	15 46 05.8	Nahe der E-Küste der E-lichen UdSSR	46.6N; 140.8E h N	H=15:34:39.8(U)
4. z,e z,n,e	iPg eSg	15 53 48.1 54 21	Spuren Sprengung		
5. z	ePKP	02 26 44	Neue Hebriden	17.3S; 167.8E h= 12km 17.3S; 168.5E	H=02:07:12.6(U) 02:07:15 (M)
5. z,e,V N N,N,E V z,n,e,N,E E N,E,V	e(PKHKP) ePKIKP e ePP e eSS eL F	03 31 50 32 00 32 09 34 57 35 09 53.4 04 33 06	140° MLH=6.2 Neue Hebriden		17.2S; 167.8E h= 24km 17.1S; 168.4E H=03:12:25.8(U) 03:12:26 (M)
5. z	ePKP	07 55 08	Neue Hebriden	17.4S; 167.7E h= 15km 17.8S; 165.5E	H=07:35:35.3(U) 07:35:41 (M)
5. z,n,e	e	08 31 22			
5. z z	ePKP ePKS	09 24 01 27 39	Neue Hebriden	17.3S; 167.8E h= 21km 17.1S; 168.1E	H=09:04:32.9(U) 09:04:35 (M)
5. z 5. z	e e	10 56 06 11 02 34	Spuren		
5. z	e	11 16 36			
5. z,n	e	12 22 41	Nahbeben		(W)
5. z	iP	13 42 07.1K	Taiwan	23.2N; 121.5E h= 33km 23.9N; 121.3E	H=13:29:44.2(U) 13:29:48 (M)
5. z,n,e z z,e z,n n,e z,N,E,V E N,V	ePg eSn e iSg e i eL eL	13 49 37 50 18 50 31 51 09.3 51 14 51 17.1 51.8 52.4	760 km Apenninen, N-Italien	44.7N; 9.3E 44.7N; 9.5E h N	H=13:47:27 (B) 13:47:24.1(U)
5. z,n,e z,n,e	iPg iSg	13 53 54.4 54 08.2	Spuren Sprengung		
5. z,n,e z,n	e eL eLm	17 01 56 02 22 02 29			
5. z	iP	17 12 18.8	1.2/16 Unterirdische Kernexplor- ation Nevada-Testort	37°11'06.10"N; 116°12'54.35"W h= 0km	H=17:00:00.2(U)
5. z z	eP epP	23 04 34 04 46	Nahe der E-Küste von Hondo, Japan	38.4N; 142.2E h= 44km 38.4N; 142.4E	H=22:52:26.7(U) 22:52:25 (M)

Juni 1973			
6. z	iP	03 59 05.8	Kurilen 43.8N; 147.1E h= 75km H=03:47:18.2(U)
6. z,n,e	e	04 02 43	
6. z	ePKP	07 30 30	Neue Hebriden 17.4S; 167.4E h= 8km H=07:11:00.0(U)
6. z	eP	08 05 08	S-lich Hondo, Japan 33.3N; 140.8E h= 68km H=07:52:42.7(U)
6. z,n,e N,E,V	iPg 1	10 41 01.7 41 03.6	Sprengung
6. z	iP	12 01 19.0	Gebiet von Hokkaido, Japan 43.2N; 145.8E h= 58km H=11:49:29.3(U)
6. z,n,e,V z,n,e N,E,V	iP ePP ePKPKP eLm	13 12 17.8K,S,E 1.4/190 1.5/70 1.5/90 15 20 38 58 51	81° MPV _k =5.9 MPH _k =6.1 Unterirdische Kernexplosion, Nevada-Testort 37°14'42.22"N; 116°20'45.67"W h= 0km H=13:00:00.1(U)
6. n,e z	eP e	15 58 47 58 57	Gebiet des Hindukusch 36.3N; 70.6E h=220km H=15:51:17.1(U) 36.4N; 70.7E 210 15:51:16 (M)
6. z,e n,e z,e	i eLm eL	16 12 25.7 12 55 13 06	
6. z,n,e	e	18 49 48	
6. z,n,e z,n z,n e z	e(Pg) eSm eSb iSg i eL	20 39 33 40 18 40 40 40 51.8 40 54.0 40 56	630 km N - Italien 45.7N; 12.0E H=20:37:45 (B) 45.5N; 12.0E h= 30km H=20:37:45.6(U)
6. z,n,e z e z,n z,n,e z,n,e z,n,e,N,E V	ePa i i e(Sm) e i iLm eLm	21 13 45 15 08.0 15 16.9 15 27 15 51 16 19.7 16 47.2 17.8	1080 km Montenegro, Jugoslawien 42.4N; 18.7E H=21:11:21 (B) 42.4N; 18.6E h= 16km 21:11:20.5(U) 42.1N; 18.5E 21:11:19 (M)
6. z	e	21 45 57	Neue Hebriden 17.4S; 167.6E h= 5km H=21:26:40.5(U) 18.1S; 166.6E 21:26:49 (M)
6. z	eP	23 48 10	
7. z	e	00 10 43	Mittelmeer, E-lich Kreta 35.1N; 27.1E H=00:06:07 (B) 35.1N; 27.2E h= 60km 00:06:05.5(U)
7. z z	iPKP ₂ ePP	03 04 03.7D 07 51	Gebiet der Maquarie-Inseln 53.9S; 159.4E h N H=02:43:31.4(U) 54.2S; 161.4E 02:43:30 (M)
7. z z N,E	eP ePP eLm	06 34 27 37 42 07 15	Gebiet von Taiwan 22.4N; 121.1E h N H=06:22:01.9(U) 23.0N; 121.5E h= 20km 06:22:01 (M)
7. z,n z,n,e	iPg iSg	13 58 23.7 58 35.5	Spuren Sprengung

Juni 1973			
7. z,E,V n,e z e E N,E E	eP e e e eSKS eSS eSSSS (oder SSS zum folgenden Beben)	18 45 27 46 44 50 22 50 42 55 44 56 30 19 08	88° Nahe der Küste von Chiapas, Mexiko 14.3N; 92.0W h= 78km H=18:32:42.9(U) 15.3N; 91.8W 18:32:43 (M)
7. z,N,E,V z,n,e,V z,V z,V E E,V N,E N,E N,E,V	eP e e ePP e e(S) e(PPS) eSS eLm	18 47 33 47 46 48 16 50 52 51 15 58 23 59.6 19 04.0 27	88° MLH=6.4 Guatemala 14.2N; 91.9W h= 70km H=18:34:46.3(U) 18.1N; 91.7W 18:34:58 (M) t20 an7 ae13 av11
7. z,n,e,V z z,n	iPKP ₁ i epPKP	19 15 09.1D 15 24.9 15 55	1.7/210 1.6/59 1.7/59 S-lich der Fidschi-Inseln 22.1S; 176.8W h=220km H=18:55:43.4(U) 22.2S; 178.4W 18:55:25 (M)
7. z,n,e	e	19 27 35	Bergschlag Oberschlesien, Polen (P)
8. z	iP	00 34 56.7D	1.0/13 Kurilen 45.4N; 151.0E h N H=00:23:05.4(U)
8. z z n,e z z N,E,V	e(PKHKP) ePKIKP e e e eLm	01 20 35 20 40 20 45 20 54 23 05 02 22	Neue Hebriden 17.5S; 167.7E h= 21km H=01:01:11.4(U) 17.3S; 168.5E 01:01:11 (M)
8. z	e	09 28 21	
8. z	iP	10 36 56.3K	1.1/20 Nahe der E-Küste von Hondo, Japan 36.1N; 140.0E h= 80km H=10:24:48.1(U) 35.7N; 140.6E 10:24:38 (M)
8. z	e	11 30 10	Spuren
8. z	eP	17 29 04	Kamtschatka 55.0N; 159.4E h N H=17:17:50.8(U)
8. z N	eP eLm	18 05 04 27	S - Iran 26.5N; 61.1E h N H=17:56:59.1(U) 26.9N; 61.0E 17:57:03 (M)
8. z	e	19 38 32	Neue Hebriden 17.6S; 167.7E h= 11km H=19:19:24.4(U) 17.4S; 168.9E 19:19:26 (M)
8. z	ePKP	19 50 11	Neue Hebriden 17.5S; 167.7E h= 23km H=19:30:42.5(U)
8. z,e N	eP eLm	21 58 02 22 20	D 1.6/26 / S - Iran 26.6N; 61.0E h N H=21:49:56.8(U) 25.5N; 61.0E 21:49:46 (M)
9. z,n,e,V N,E,V	iP eLm	01 48 41.1D 02 16	N,E 1.4/90 1.5/40 1.3/19 t20 an1.5 ae1.5 av1.5 Nahe der E-Küste von Kamtschatka 53.9N; 160.5E h= 33km H=01:37:21.4(U) 53.9N; 160.2E 55 01:37:24 (M)
9. z,n,e z z	iP e e	03 55 08.1 55 23 55 30	1.3/23 / / Kurilen 44.1N; 151.7E h= 34km H=03:43:09.1(U) 44.7N; 151.5E 03:43:13 (M)

Juni 1973

Juni 1973

9. z,e N,E,V	IP oIm	04 27 48.1 45	1.2/24 1.0/16 S-liche Provinz Sinkiang, China	41.0N; 82.3E h N 41.1N; 82.2E	H=04:19:14.3(U) 04:19:15 (M)
9. z,e	eP	08 28 11	1.2/20 / Provinz Kansu, China	39.4N; 95.4E h N 39.8N; 95.0E	H=08:18:32.5(U) 08:18:36 (M)
9. z z,V z z,n,e,V z,V z,N,E,V z,e,N,E,V z,n,e N,E n,e,N,E,V z N,E N,E,V	e(PKHKP) ePKIKP ep(PKHKP) i(pPKIKP) e ePP e e(SKP) e i e eSS eIm	08 40 20 40 32 40 41 40 53.3 41 28 42 52 43 08 43 53 44 01 44 19.5 44 29 09 00 56 41	K 1.7/82 1.7/27 2.0/48 2.1/360 1.8/69 2.0/90 131.5° MLH= 6.4 Salomonen t20 nn5 ae5 av5.5	oder (PKHKP)2 } oder PKIKP 2 } siehe (S)	10.3S;161.4E h= 70km H=08:21:27.3(U) 10.2S;161.6E 08:21:23 (M)
9. z	eP	08 49 30	Nahe der E-Küste von Hondo, Japan	35.8N;140.1E h= 77km	H=08:37:18.3(U)
9. z	e	09 12 21			
9. z	e	09 17 20			
9. z	e	15 49 20	Spuren		
9. z,n	IP	19 13 48.9D	1.1/27 / Dodekanes	36.2N; 28.4E h= 58km	H=19:09:33.1(U)
9. z,e	eP	20 43 25	S - Iran	27.8N; 52.4E 27.8N; 52.1E h= 32km 27.8N; 52.2E	H=20:36:12 (B) 20:36:12.3(U) 20:36:12 (M)
9. z	eP	20 45 52	S - Iran	28.1N; 52.1E h N	H=20:38:42.3(U)
9. z z,e	IP epP	22 09 00.0D 09 09	1.4/22 Gebiet der Andamanen	11.6N; 95.1E h N 11.5N; 95.0E h= 20km	H=21:57:14.1(U) 21:57:13 (M)
9. z,n,e,V z e z e N,E	IP e i e eS eIm	22 57 24.1K 57 36 57 57.4 59 48 23 06 46. 30	1.1/245 1.3/92 1.0/43 72.5° Vor der E-Küste von Kamtschatka	52.9N;160.1E h N 52.8N;160.0E	H=22:45:58.9(U) 22:46:03 (M)
10. z	IP	00 10 11.3D	1.2/20 Nahe der E-Küste von Kamtschatka	53.1N;160.0E h N	H=23:58:47.2(U)
10. z	e	10 20 30			
10. z,o z z z N,E	IP e e ePP eIm	16 16 45.4 16 56 17 27 18 29 36	1.0/23 / S-liche Provinz Sinkiang, China	39.5N; 74.8E h N 39.8N; 74.7E h= 25km	H=16:08:42.2(U) 16:08:44 (M)
10. z	eP	16 53 24	Garlsberg-Rifiken	1.4S; 67.3E h N	H=16:42:14.6(U)

10. z	IP	19 15 35.0			
11. z,n z,e z,n,e z e z,n n,e z z,N,E,V N,E,V	IPn i e(Pg) i iSn i i i i eSg eIm	03 17 02.8 17 04.1 17 23 17 36.8 18 06.3 18 15.1 18 32.4 18 36 18 38 19.1	610 km MLH=4.1 N-lich Zagreb, Jugoslawien	46.2N; 16.1E 46.2N; 16.1E h= 11km 46.9N; 16.1E	H=03:15:42 (B) 03:15:39.3(U) 03:15:47 (M)
11. z z,n,e,N,E,V z,n z,n z z,n,e,N,E e,N,E N N,E N,E,V	eP IP2 (8) IPF i i eS e eSSSS eL eIm F	08 53 25 53 27.2 53 34.8 53 40.7 53 51.8 09 02 49 03 06 11.7 27 31 11 00	72° MLH=6.3 1.6/460 1.8/275 1.0/81 Vor der E-Küste von Kamtschatka / / 3.8/550 t19 an11 ae9.5 t17 an12 ae9 av15	53.7N;161.6E h= 30km 53.9N;161.1E 08:42:06 (M)	H=08:42:04.0(U) 08:42:06 (M)
11. z	eP	09 07 57	E-lich Kamtschatka	53.1N;161.6E	H=08:56:26.6(F)
11. z z,e	IP ePP	20 13 59.9 15 46	Grenzgebiet Afghanistan-UdSSR	36.7N; 71.3E h= 97km 37.0N; 71.2E 90	H=20:06:07.1(U) 20:06:07 (M)
11. z,n,e z	e e	20 40 15 40 34			
12. z	eP	00 37 37	Vor der E-Küste von Kamtschatka	53.7N;161.6E h N	H=00:26:14.5(U)
12. z	eP	01 20 53	Vor der E-Küste von Kamtschatka	53.7N;161.7E h N	H=01:09:30.7(U)
12. z	eP	01 45 43	Vor der E-Küste von Kamtschatka	53.6N;161.8E h N	H=01:34:20.6(U)
12. z z	IP epP	03 48 19.1D 48 31	0.8/13 Vor der E-Küste von Kamtschatka	53.8N;161.7E h N 54.0N;161.1E	H=03:36:56.4(U) 03:36:59 (M)
12. z	eSg	05 58 35			
12. z,n,e	eP	06 55 24	1.3/41 / / Vor der E-Küste von Kamtschatka	53.6N;161.6E h N 53.5N;161.4E h= 45km	H=06:44:02.0(U) 06:44:02 (M)
12. z,n,e	eP	11 06 18	Mittelmeer, SE-lich Kreta	34.2N; 26.2E h= 50km 34.2N; 26.2E 54 33.7N; 25.8E	H=11:01:55 (B) 11:01:52.6(U) 11:01:47 (M)
12. z	e	12 02 39			
12. z,n,e,N,V z z,n n,e N,E N,E,V	IP e e eS e eIm	14 32 46.9K 32 52 33 01 42 08 42 27 15 10	1.5/205 1.6/115 1.4/41 72° MLH=5.6 Vor der E-Küste von Kamtschatka t15 an2 ae2 av2.5	53.6N;161.6E h N 53.9N;160.8E h= 40km	H=14:21:24.2(U) 14:21:27 (M)

Juni 1973

12. z	eP	15 36 10	Gebiet von Hokkaido, Japan	41.6N;139.2E h=199km H=15:24:42.1(U)
z	e	36 19		41.8N;139.3E 150 15:24:38 (M)
z	epP	37 01		
z	ePP	39 03		
12. z	ePKP ₁	19 23 38	S-lich der Fidschi-Inseln	25.8S;177.4W h= 45km H=19:03:40.9(U)
12. z	ePn	21 04 04	450 km	
z,n	e	04 09	Mürztal, Steiermark,	47.5N; 15.4E H=21:02:58 (B)
z,n,e	i(Pg)	04 15.7	Österreich	47.6N; 15.3E h= 5km H=21:02:56.9(U)
e	iSn	04 45		47.6N; 15.7E H=21:03:01 (M)
z	i	04 57.1		
z,n,e	e	05 05		
z,e,N,E,V	±Sg	05 06.5		
N,E	eIm	05.2		
12. z	eP	23 24 33	N-atlantischer Rücken	46.5N; 27.0W H=23:19:11 (B)
z,n	e	24 38		46.6N; 27.5W h N 23:18:55.5 (U)
				46.7N; 27.8W 23:18:54 (M)
13. z,n,e,V	iP	00 32 19.4K	1.4/120 1.4/46 1.3/22	
z	i(sP)	33 08.9	Kurilen	47.0N;151.0E h=142km H=00:20:49.5(U)
z	e	35 04		47.1N;151.0E 180-200 00:20:53 (M)
z	e	35 55		
z	e	37 14		
n,e	e(S)	42 03		
13. z	e	02 36 43		
13. z	e	04 22 48		
13. z	eP	06 38 52	Vor der E-Küste von Hondo, Japan	39.8N;143.3E h= 32km H=06:26:47.3(U)
13. z	iPKP	07 00 55.9D	2.0/53	
z,n,e	e	01 03	Neue Hebriden	20.0S;169.7E h= 41km H=06:41:27.3(U)
z	e	04 18		20.2S;170.1E 06:41:25 (M)
z	e	04 42		
13. N,E	eL	09 33		
13. z	ePKP	10 07 54	Neue Hebriden	19.2S;169.7E h= 24km H=09:48:25.2(U)
				19.3S;169.9E 09:48:26 (M)
13. z	eP	13 52 16	Vor der E-Küste von Kantschatka	53.7N;161.8E h N H=13:40:53.0(U)
z	e	52 28		
13. z	e	14 04 52		
13. z	eP	16 12 19	E-lich von Kantschatka	53.8N;161.0E H=16:00:59 (M)
14. z	ePKMP	03 50 08	148.5°	
z,n,e	iPKP ₁	50 12.8	0.9/100 / /	
z	iPKP ₁	50 18.0		
z	epFKP	52 32	Gebiet der Fidschi-Inseln	21.1S;178.8W h=593km H=03:31:30.9(U)
z	ePP	53 45		22.2S;177.9W 03:30:24 (M)
14. z	eSg	05 57 55	Schwäbischer Jura	48.7N; 9.0E H=05:55:51 (B)
14. z	iP	10 49 12.2D	1.2/20	
14. z	e	11 19 22	106.5°	
z	iPKP	20 03.3	1.3/26	
z	e(SF)	28 56		
z	eIFKMP	31 24	1.3/27	
z	e	33 36		
z	ePoSFKP	39 46	Flores - See	7.3S;120.4E h=631km H=11:02:46.9(U)
				7.4S;120.5E 650 11:02:46 (M)

Juni 1973

14. z	e	12 57 01	N-lich Sevenaja Semlja	84.1N;113.8E h N H=12:49:16.2(U)
				83.7N;113.1E 12:49:10 (M)
14. z,n,e	iPg	13 00 40.1	Sprengung	
z,n,e	iSg	00 43.2		
z,e,N,E,V	iL	00 45.2		
14. z	e	14 50 09		
14. z,e	eP	18 28 11	D 1.8/26 /	36.4N; 70.8E h=205km H=18:20:29.3(U)
z,e	ePP	29 55	Gebiet des Hindukusoh	36.5N; 70.8E 200 18:20:29 (M)
14. z	e	19 57 22	N-lich Sevenaja Semlja	84.0N;113.1E h= 45km H=19:49:38.5(U)
				83.8N;113.5E 19:49:33 (M)
14. z,n	e	23 31 55	1.3/17 1.3/19	
15. z	iP	01 18 25.9	0.9/17	45.32°N;70.91°W h= 12km H=01:09:04.2(U)
			Maine, USA	
15. z	iP	04 46 12.0		
15. z	e	08 55 26	Nahbeben	(W)
z,e	e	55 30		
15. z	iP ₁	11 32 07.7K	72° MLH=6.4	
z,n,e,N,V	i	32 09.2	1.1/120 / 1.0/30	
z,n,e,V	iP ₂	32 16.4	1.1/440 1.4/230 0.9/86	
z,n,e	e	32 29	Vor der E-Küste von Kantschatka	53.5N;161.4E h N H ₁ =11:20:44.9(U)
n,e,N,E	eS	41 37		53.5N;161.2E h= 50km 11:20:47 (M)
e,E,V	e	41 54		53.5N;161.5E h N H ₂ =11:20:51.5(U)
N	eSSS	50.5		
N,E	eIm	12 06	t18 an11 ae12.5	
N,E,V	eL	10	t16 an8 ae11.5 av14.5	
15. z	iP	11 51 05.6K	1.3/22	
			Vor der E-Küste von Kantschatka	53.7N;161.3E h N H=11:39:42.0(U)
15. z	eP	11 58 20	1.0/16	
			E-lich Kantschatka	53.2N;161.9E H=11:46:51.0(F)
15. z	eP	12 07 48	Vor der E-Küste von Kantschatka	53.6N;161.4E h N H=11:56:24.3(U)
				53.6N;161.3E 11:56:24 (M)
15. z,n,e	iP	12 22 52.2K,S	1.2/120 1.5/68 0.9/35	51.3N;179.4W h= 48km H=12:11:02.3(U)
z,n	e	22 58	Andreanow-Inseln, Aleuten	51.7N;179.5W 60 12:11:06 (M)
z	i	23 23.4		
15. z	eP	12 58 41		
z	e	58 54		
15. z,n,e	iP	13 28 18.9	1.1/69 1.1/24 1.1/18	53.6N;161.8E h= 39km H=13:16:56.9(U)
z	i	28 26.1	Vor der E-Küste von Kantschatka	53.8N;161.4E 13:16:55 (M)
15. z,n,e	iP	13 50 13.1K	1.1/37 / /	51.3N;179.4W h= 50km H=13:38:23.1(U)
			Andreanow-Inseln, Aleuten	51.4N;179.3W 50 13:38:24 (M)
15. z,n,e	iPg	16 00 13.8	100 km Sprengung 11.2t	50.6°N; 13.84°E (C)
z,n,e	iSg	00 26.9		
15. z	eP	17 28 34	E-lich Kantschatka	54.2N;160.8E H=17:17:12.5(F)
z	e	28 47		

Juni 1973

15. z	iP	19 31 04.6	1.4/22	Vor der Küste von N-Kalifornien	41.2N;125.5W h N 41.7N;125.8W	H=19:18:51.7(U) 19:18:54 (M)
15. z,n z	iP e	21 07 56.2K 08 19	1.0/30 /	Vor der E-Küste von Kamtschatka	53.7N;161.8E h= 35km 53.9N;161.3E	H=20:56:33.9(U) 20:56:36 (M)
15. z,n,e,V z z z N,E N,E V	iP s i e(PP) eS eIm eIm	21 21 03.1K 21 12 21 24.8 24 16 30 42 55 59	1.5/255 1.6/130 0.9/42	Vor der E-Küste von Kamtschatka	53.6N;161.6E h= 45km 53.8N;160.9E	H=21:09:41.7(U) 21:09:41 (M)
15. z z	e e	21 54 40 55 12		Gebiet der Balleny-Inseln	61.1S;154.2E h N	H=21:33:59.1(U)
15. z z,n,e z z z	iPKIKP iPKP1 iPKP2 i ePP	23 24 39.0D 24 47.0D 24 59.5 27 16.1 28 31	1.7/36 1.4/110 1.5/36 / 1.1/140	153° S-lich der Fidschi-Inseln	25.9S;177.4W h= 94km 25.8S;177.3W	H=23:04:58.6(U) 23:04:52 (M)
16. z	iP	01 06 25.6	1.0/28	Gebiet von Hokkaido, Japan	43.0N;145.9E h= 54km 43.7N;146.0E	H=00:54:34.2(U) 00:54:35 (M)
16. z z	iP epP	01 48 39.7K 48 57	1.0/25	Gebiet von Hokkaido, Japan	42.9N;144.6E h= 70km 43.6N;144.7E	H=01:36:51.9(U) 01:36:51 (M)
16. z,n,e z,e N,E V	iP e eIm eIm	07 32 35.4K 32 38 54 58	1.5/37 / /	Provinz Tsinghai, China	37.7N; 95.6E h N 37.8N; 95.7E	H=07:22:48.1(U) 07:22:48 (M)
16. z,n,e	eP	08 24 30				
16. z	eP	09 04 27		SW-licher Kleiner Kaukasus	40.3N; 44.4E h= 20km	H=08:59:09 (M)
16. z	ePKP ₁	12 11 52		Gebiet der Fidschi-Inseln	19.3S;177.9W h=525km	H=11:53:07.5(U)
16. z z N,E,V	iP i eIm	12 22 01.2 22 15.3 47		Gebiet des Baikal-Sees	55.0N;112.6E h N 55.0N;112.6E	H=12:12:32.2(U) 12:12:27 (M)
16. z,n,e,V E N N,E,V	iP e(S) e eIm	14 55 42.4D 15 05.9 06 15 32	1.7/170 1.6/49 1.9/79	Vor der Küste von Oregon, USA	45.0N;125.8W h N 45.0N;126.1W	H=14:43:47.5(U) 14:43:42 (M)
16. z	e	15 21 35				
16. z z	eP e	18 46 51 47 04	0.9/17	Vor der E-Küste von Kamtschatka	53.6N;161.5E h= 45km 53.5N;161.3E	H=18:35:29.4(U) 18:35:28 (M)
16. z,n,e z,e	eP epP	20 00 53 01 07	1.0/30 / /	Vor der E-Küste von Kamtschatka	53.5N;161.5E h= 46km 53.4N;161.6E	H=19:49:31.0(U) 19:49:28 (M)

Juni 1973

16. z	iP	20 39 32.1D		Naher der E-Küste von Hondu, Japan	35.9N;140.1E h= 76km 36.3N;140.0E	H=20:27:21.0(U) 20:27:18 (M)
16. z,n z	iP ipP	20 45 32.4 45 45.6	1.1/23 /	Vor der E-Küste von Kamtschatka	53.6N;161.4E h= 47km	H=20:34:10.6(U)
16. z N,E,V	e eIm	23 27 22 00 31		Gebiet der S-Sandwich-Inseln	58.3S; 25.5W h= 50km 58.6S; 26.1W	H=23:06:28.8(U) 23:06:26 (M)
17. z,n,e,WN,WE, N,E,V,AN,AN WN,WE,N,E,V WN,N,E WN WN,N,E,AN,AN WE WN,WE WN,WE WN,N WE,E	iP ePm e(PP) e e e e(SS) eIm eIm F	04 06 53.2K, 07 30 10 17 12.7 16 44 16 56 17 18 23.2 43 44	S,W t14 an7.7 ae5.1 av18.3 t20 an65.0 ae40.5 av116.0 t23 an71 ae36 Mag=8.3 t15 an59 ae(97) 77° MPH ₁ =MPV ₁ =7.0 MP _m H ₁ =7.8 MPPH ₁ =MSH ₁ =MPV ₁ =7.7 MLH=8.1 t20 ₁ an590 t17 ae430	Gebiet von Hokkaido, Japan	43.2N;145.8E h= 48km 44.1N;145.5E	H=03:55:02.9(U) 03:55:02 (M)
17. z,n	iP	04 21 07.1		Kurilen	43.0N;146.4E h N	H=04:09:12.4(U)
17. z,n,e	iP	04 31 27.8K	1.3/63 / /	Gebiet von Hokkaido, Japan	42.4N;145.8E h= 35km	H=04:19:32.2(U)
17. z	eP	(05 04)11		Japan		H=04:52:17 (S)
17. z	eP	05 13 44		Japan		H=05:01:50 (S)
17. z,n	iP	05 21 51.4		Kurilen	43.5N;146.2E h= 29km	H=05:09:58.5(U)
17. z,e z,n	eP e	05 24 03 24 07	1.2/27 /	Vor der Küste von Hokkaido, Japan	42.7N;146.1E h= 44km 42.9N;146.2E	H=05:12:09.3(U) 05:12:08 (M)
17. z,n,e z	iP ipP	06 04 03.5D 04 14.0	1.2/67 1.1/21 0.9/17	Kurilen	43.1N;146.1E h= 44km 44.5N;145.5E	H=05:52:10.9(U) 05:52:17 (M)
17. z	eP	06 20 16		Spuren, Vor der Küste von Hokkaido, Japan	42.8N;146.3E h N	H=06:08:19.8(U)
17. z	eP	06 38 53		Neusibirische Inseln	74.5N;148.3E	H=06:30:18.2(F)
17. z	eP	06 41 21 41 32		Kurilen	43.4N;146.2E h N 43.0N;146.7E	H=06:29:28.4(U) 06:29:26 (M)
17. z	eP	06 55 09		E-Sibirien, UdSSR oder: Japan	51.4N;135.2E	H=06:44:16.3(F) H=06:43:16 (S)
17. z	e	06 55 35				
17. z	eP	06 59 41		Kurilen	43.2N;146.4E h N	H=06:47:48.7(U)

Juni 1973									
17. z,n,e	1P ipP	07 54 53.7 55 07.1	1.0/40 / /	Vor der E-Küste von Kamtschatka	53.5N;161.5E h= 45km H=07:43:31.6(U) 53.3N;161.6E 07:43:29 (M)				
17. z	eP	07 58 35		Gebiet von Hokkaido, Japan	42.9N;145.6E h N H=07:46:40.3(U)				
17. z	1P e z,n,e	08 29 41.8 29 48 29 53	1.1/34	Kurilen	43.0N;146.4E h= 41km H=08:17:47.7(U) 43.5N;146.4E 08:17:49 (M)				
17. z	eP	08 52 45		Gebiet von Hokkaido, Japan	43.2N;145.8E h N H=08:40:51.1(U)				
17. z	1P	09 00 14.8K	0.7/18	Vor der Küste von Hokkaido, Japan	42.9N;146.5E h= 37km H=08:48:19.4(U) 43.4N;146.3E 08:48:20 (M)				
17. z	eP	09 07 29		Vor der Küste von Hokkaido, Japan	42.7N;146.0E h N H=08:55:30.9(U) 42.5N;146.3E 08:55:29 (M)				
17. z	eP	09 30 14		Kurilen	43.2N;146.5E h N H=09:18:19.2(U)				
17. z	eP	09 40 44		Kurilen	42.4N;146.3E; H=09:28:45 (M)				
17. z	e	10 16 05							
17. z	1P	10 36 08.4D		Gebiet von Hokkaido, Japan	42.3N;145.7E h= 41km H=10:24:12.4(U) 43.3N;145.3E 10:24:17 (M)				
17. z	1P epP	11 11 14.9D 11 25	1.2/14	Kurilen	43.0N;146.9E h= 37km H=10:59:18.9(U) 43.0N;147.1E 10:59:17 (M)				
17. z	1P	11 12 27.1	1.0/13	Kurilen	44.6N;144.7E H=11:00:40.5(F)				
17. z,n,e	1	11 20 43.0K	0.9/12 / /						
17. z	eP	11 43 53		Spuren, Riu-kiu-Inseln	25.8N;127.2E h N H=11:31:23.4(U)				
17. z	eP	11 47 26	1.0/13	Kurilen	43.5N;146.5E h= 33km H=11:35:33.6(U) 42.1N;146.9E 11:35:26 (M)				
17. z	eP e	11 57 19 57 32		Kurilen	43.5N;146.4E H=11:45:23.2(F)				
17. z	1pPKP	12 00 59.2D		Banda-See	6.9S;129.1E h=154km H=11:43:01.6(U) 7.8S;130.1E 11:42:42 (M)				
17. z,n,e	1P 1 z,n,e 1pP 1sP 1	12 26 17.9K 26 22.0 26 29.7 26 34.6 26 44.0	1.0/80 1.0/26 0.9/31	Gebiet von Hokkaido, Japan	42.9N;145.6E h= 41km H=12:14:25.8(U) 43.0N;145.5E 12:14:25 (M)				
17. z	eP	12 31 10		Vor der Küste von Hokkaido, Japan	42.2N;148.6E H=12:19:02.5(F)				

Juni 1973									
17. z,n,e	1P z,n,e N,E N,E,V	12 36 31.3K 36 38 46 24 13 16	1.2/48 1.3/18 /	Vor der Küste von Hokkaido, Japan	42.6N;146.4E h= 36km H=12:24:34.8(U) 42.9N;146.5E 12:24:30 (M)				
17. z	eP	13 34 10		Vor der Küste von Hokkaido, Japan	42.6N;146.0E h N H=13:22:15.2(U) 43.3N;145.9E 13:22:19 (M)				
17. z,n,e,V	1P ipP oder P ₂ (S) z,n,e z z z N,V	13 45 19.6K,S,W 45 24.8 77° 45 36 48 00 55 04	1.1/210 1.3/61 0.8/66	Gebiet von Hokkaido, Japan	43.1N;145.4E h= 46km H=13:33:28.3(U) 43.0N;145.4E 40 13:33:27 (M)				
17. z,n,e	1P 1 e z e N N,E,V	13 55 03.1 55 10.3 56 12 58 02 14 05 02 33	1.6/89 1.6/42 / 78° MLH=5.9	Kurilen	43.0N;146.7E h= 40km H=13:43:08.7(U) 43.0N;146.9E 13:43:04 (M)				
17. z	1P	14 36 07.0K	1.0/27	Gebiet von Hokkaido, Japan	42.9N;145.3E h= 34km H=14:24:13.8(U) 42.6N;145.6E 14:24:11 (M)				
17. z	1P	16 41 41.9		Japan	H=16:29:47 (S)				
17. z	eP	17 05 08		Ratten-Inseln, Aleuten	51.7N;176.4E h= 53km H=16:53:24.3(U) 52.3N;176.0E 16:53:25 (M)				
17. z,e	eP	19 03 19							
17. z,n,e,V	1P epP 1 z z N,E N,E,V	19 07 33.7K,S,W 07 44 78° MLH=5.7 07 59.0 17 20 45	1.1/130 1.2/50 0.8/36	Kurilen	43.0N;146.5E h= 45km H=18:55:39.6(U) 44.0N;146.0E 18:55:44 (M)				
17. z,n,e,V	1P	19 15 30.8	1.2/50 1.2/18 /	Vor der Küste von Hokkaido, Japan	42.7N;146.3E h= 32km H=19:03:35.1(U) 43.1N;146.4E 19:03:36 (M)				
17. z	e	20 05 19		Spuren					
17. z,n,e,N,E,V	eP e eS e e N,E N,E N,E,V	20 49 51 50 02 59 39 21 00 02 03 57 09.1 21 28 23 30	1.4/245 1.4/100 1.5/70 78° MLH=6.8	Vor der Küste von Hokkaido, Japan	42.7N;146.0E h= 50km H=20:37:57.3(U) 43.0N;146.1E 20:37:56 (M)				
17. z	epP 1	21 15 41 15 45.4		Vor der Küste von Hokkaido, Japan	42.8N;146.0E h= 47km H=21:03:35.7(U)				
17. z,n	1P	21 35 36.3	1.2/20 /	Gebiet von Hokkaido, Japan	43.0N;145.9E h N H=21:23:42.6(U)				

Juni 1973

17. z,n,e z	iP ipP	21 38 04.7K 38 21.4	1.0/52 1.0/24 0.8/17 Gebiet von Hokkaido, Japan	43.0N;145.3E h= 50km H=21:26:14.2(U) 42.8N;145.7E 21:26:10 (M)
17. z,n z	iP epP	22 27 24.4 27 40	1.1/26 / Gebiet von Hokkaido, Japan	43.0N;145.5E h= 50km H=22:15:33.2(U)
18. z	eP	01 20 54	Kurilen	43.2N;146.3E h N H=01:09:00.0(U)
18. z z	eP epP	-02 08 30 08 40	Gebiet von Hokkaido, Japan	41.1N;143.7E h= 34km H=01:56:30.9(U) 42.1N;143.6E 01:56:36 (M)
18. z z	eP epP	02 24 04 24 14	1.0/15 Vor der Klüste von Hokkaido, Japan	42.8N;146.8E h= 36km H=02:12:06.9(U) 42.9N;146.9E 02:12:04 (M)
18. z z,n,e N,E V	eP e eLm eLm	02 31 27 31 46 59 03 02	Vor der Klüste von Hokkaido, Japan	42.6N;146.2E h= 30km H=02:19:30.0(U) 43.5N;145.7E 02:19:34 (M)
18. z z	iPKP, epPKP,	03 16 46.4K 19 09	1.1/19 Gebiet der Fidisch-Inseln	21.1S;179.3W h=648km H=02:58:10.1(U)
18. z	e	04 34 00	Spuren	
18. z	iP	04 34 55.4	Kurilen	43.0N;146.4E h= 37km H=04:23:00.4(U)
18. z	eP	04 44 29	Spuren, Vor der Klüste von Hokkaido, Japan	42.9N;146.3E h N H=04:32:35.3(U) 42.7N;146.4E 04:32:33 (M)
18. z	e(P)	05 07 15	Kurilen	43.0N;146.2E h= 37km H=04:55:17.1(U)
18. z z,n,e N,E,V	iP epP eLm	05 49 34.1D 49 47 06 29	Vor der Klüste von Hokkaido, Japan t14 an1.5 ae1 av1.5	42.6N;146.4E h= 38km H=05:37:37.7(U) 42.8N;146.4E 05:37:32 (M)
18. z z z	iP i e	10 29 19.4D 29 36.9 29 51	1.3/45 S-11oh Alaska	52.2N;164.9W h= 15km H=10:17:26.3(U) 52.4N;164.9W 10:17:26 (M)
18. z	eP	13 25 47	Gebiet von Hokkaido, Japan	42.6N;145.8E h= 35km H=13:13:51.0(U) 42.1N;146.5E 13:13:41 (M)
18. z,n z,n,e	eP ipP	14 41 33 41 44.2D	Kurilen	43.5N;147.0E h N H=14:29:39.2(U) 42.6N;147.7E 14:29:33 (M)
18. z z	eP ipP	14 43 34 43 45.2D	Kurilen	43.4N;147.1E h= 36km H=14:31:39.8(U) 44.0N;146.6E 14:31:46 (M)
18. z	e	14 54 15		
18. z	e	16 08 35	Gebiet der Bonin-Inseln	27.9N;142.1E h= 48km H=15:55:34.4(U) 28.0N;142.3E 15:55:33 (M)

Juni 1973

18. z,n,e,V z,n,e,V n,e,N,E N,E N,E,V	iP ipP eS eL eLm	17 57 40.6K 57 50.8 18 07 31 29 32	1.1/70 1.2/31 / 78° MLH=6.1 t20 an5 ae6.5 t15 an4.5 ae5 av2	42.5N;146.0E h= 29km H=17:45:43.7(U) 43.2N;145.7E 17:45:45 (M)
18. z	e	18 30 48		
18. z,e z,n	iP ipP	18 36 16.1 36 25.7	Gebiet von Hokkaido, Japan	42.3N;145.4E h= 29km H=18:24:19.6(U) 42.3N;145.6E 18:24:19 (M)
18. z z	eP e(pP)	20 43 33 43 49	Vor der Klüste von Hokkaido, Japan	42.7N;146.3E h= 34km H=20:31:37.4(U) 42.4N;146.8E 20:31:33 (M)
19. z	e	02 12 22	Gebiet von Hokkaido, Japan	42.7N;145.9E h= 36km H=02:00:17.9(U) 42.7N;146.2E 02:00:17 (M)
19. z,n,e z N,E,V	iP e eLm	02 33 58.9K 34 38 03 12	0.9/38 / / t15 an1 ae0.5 av1 Vor der Klüste von Hokkaido, Japan	42.9N;146.7E h= 49km H=02:22:05.6(U) 43.2N;146.8E 02:22:04 (M)
19. z,n,e z n,e N,E,V	iP e eS eLm	03 06 03.6D 07 19 15 53 44	N,E 0.8/48 0.8/21 0.8/19 Vor der Klüste von Hokkaido, Japan t16 an1.5 ae2 av2	42.7N;146.0E h= 43km H=02:54:09.8(U) 43.6N;145.7E 02:54:12 (M)
19. z z z z n,e N,E N,E,V N,E,V	eP e e ePP e eL eLm eL F	03 48 21 51 33 51 43 52 42 53 18 04 34 38 41 05 30	W - Karolinen t18 an9 ae6 t20 an12.5 ae8.5 av14 t17 an8.5 ae6.5 av15	8.1N;137.3E h N H=03:34:19.4(U) 8.2N;137.5E 03:34:20 (M)
19. z	e	04 09 45	Vor der Klüste von Hokkaido, Japan	42.3N;146.6E H=03:57:42.1(F)
19. z z	iP e	04 41 22.8D 41 33	Gebiet von Hokkaido, Japan	42.4N;145.8E h= 52km H=04:29:27.8(U) 42.5N;145.9E 04:29:26 (M)
19. z,n	e	05 03 43		
19. z z N,E,V	iP e eLm	06 38 07.9D 38 48 07 17	Gebiet von Hokkaido, Japan	42.7N;145.6E h N H=06:26:12.8(U) 42.7N;145.8E 06:26:12 (M)
19. z,n,e z,n,e	iP e(pP)	06 49 49.1K 49 58	1.1/40 / / Vor der Klüste von Hokkaido, Japan	42.9N;146.5E h= 42km H=06:37:54.4(U) 43.1N;146.7E 06:37:53 (M)
19. z,n,e z e N,E,V	iP ipP e eLm	08 48 13.8D 48 21.1 48 35 09 24	1.2/24 / / Vor der Klüste von Hokkaido, Japan	42.9N;146.5E h= 36km H=08:36:18.9(U) 43.5N;146.4E 08:36:21 (M)
19. z z,e	iP epP	09 49 14.OK 49 27	0.9/18 Vor der Klüste von Hokkaido, Japan	42.9N;146.5E h= 42km H=09:37:19.3(U) 43.0N;146.5E 09:37:18 (M)

Jun 1973

19. z	z	1P epP	11 10 44.8 10 56	Vor der Küste von Hokkaido, Japan	42.9N;146.5E h= 37km H=10:58:49.2(U) 43.0N;146.7E 10:58:48 (M)
19. z		e	11 53 04	Vor der Küste von Hokkaido, Japan	42.8N;146.3E h= 33km H=11:40:58.2(U) 42.8N;146.6E 11:40:57 (M)
19. z		e	14 54 33		
19. z,n,o	z,n,e	1Pg 18g eJ.	15 50 32.5 50 47.9 51 04	Spuren Sprengung	
19. z	z	1PKP ₁ 1PKP ₂	17 05 28.1D 05 32.6K	1.2/38 1.2/22	Gebiet der Fidschi-Inseln 20.38;178.0W h=258km H=16:46:16.6(U)
19. z,n	z	1P e	17 22 09.9D 22 25	1.3/25 / Gebiet von Hokkaido, Japan	42.0N;145.9E h= 41km H=17:10:14.9(U) 42.7N;146.2E 17:10:13 (M)
19. z,n	z,n,e	1P 1pP e(PP) eL	20 17 46.8K 18 00.0 20 54 52	1.4/29 / Vor der Küste von Hokkaido, Japan	42.8N;146.3E h= 45km H=20:05:52.7(U) 43.4N;146.3E 20:05:54 (M)
19. z,n,e		1P	22 43 28.8K	1.3/68 1.1/17 0.9/19 Nahe der E-Küste von Hondo, Japan	36.5N;140.6E h= 65km H=22:31:18.5(U) 36.9N;140.4E 50 22:31:19 (M)
20. z		e	00 11 23		
20. z		e	06 23 40	Vor der Küste von Hokkaido, Japan	42.7N;146.2E h= 41km H=06:11:35.0(U)
20. z		eP	07 03 30	Kurilen	43.3N;146.0E h N H=06:51:36.7(U)
20. z,n		1P	09 32 27.6K	1.1/28 / Kurilen	43.1N;146.0E h= 36km H=09:20:34.3(U) 43.6N;145.4E 90 09:20:45 (M)
20. z,e	z,n,e	ePn 1Pg 18g	09 58 45 58 48.0 59 15.8	235 km Spuren Sprengung	
20. z		1P	11 45 39.6	1.0/15	
20. z,V	z,n	ePKIKP i ePKP ₂ i e ePP e e e eSKKS eSS eLm F	12 21 43 21 58.0D 22 15 22 26.7 22 31 25 45 26 50 27 20 30 56 32.7 45.6 13 42 14 30	156° 2.0/61 / Gebiet der Kermadec-Inseln t18 an1 ae1 av1.5	28.58;176.8W h= 41km H=12:01:56.7(U) 28.38;175.3W 12:01:49(M)
20. z		1P	14 28 53.9D	0.8/12	

Jun 1973

20. z		e(P)	14 42 51	Vor der E-Küste von Hondo, Japan	40.0N;145.7E h= 35km H=14:30:40.9(U)
20. n	z,n,e	i e	14 47 06.8 47 10	Bergschlag Ober- schlesien, Polen	(P)
20. z		e(PKP ₂)	18 50 07	Spuren, Gebiet der Kermadec-Inseln	28.58;176.6W h= 52km H=18:29:56.2(U)
21. z		eP	05 33 15	Kurilen	43.0N;146.1E h= 61km H=05:21:23.3(U)
21. z		1PKP ₁	10 34 07.3D	0.9/19 Gebiet der Fidschi-Inseln	17.78;178.7W h=587km H=10:15:33.4(U)
21. z,n	z,e	e e	10 59 18 59 30	Nahbeben	(W)
21. z		e	13 04 21	Vor der Küste von Hokkaido, Japan	42.7N;146.2E h= 39km H=12:52:15.4(U) 42.7N;146.3E 12:52:15 (M)
21. z,n,e		1P	14 57 18.2	1.2/29 / / S - Nevada	37.1N;116.0W h= 5km H=14:44:59.7(U)
21. z,n,e		e	17 54 15		
21. z		e	23 52 19	Spuren	
22. z,n,e	z	1PKP e e	02 19 06.3 19 24 21 56	1.1/89 0.7/24 0.8/21 Gebiet der Fidschi-Inseln	17.6S;178.9W h=565km H=02:00:31.7(U) 17.6S;176.6W 01:59:31 (M)
22. z		e	02 43 46		
22. z		eP	04 31 42	Kamtschatka	52.2N;160.5E H=04:20:12 (M)
22. z,n,V	z,n,e,E	1P i e e eL eL eLm F	06 19 30.3K 19 33.1 19 45 29 14 50 53 58 09	77.5° MLH=6.5 0.8/145 1.1/44 0.9/54 N teilweise Ausfall t23 an9 ae18 t19 an9.5 ae15.5 t17.5 an12.5 ae12 av21 Vor der Küste von Hokkaido, Japan	42.9N;146.3E h= 53km H=06:07:37.9(U) 43.7N;145.9E 06:07:40 (M)
22. z,n,e		e	11 03 22		
22. z		e	11 48 16	Gebiet von Hokkaido, Japan	42.7N;145.1E h= 69km H=11:36:14.4(U) 42.6N;145.3E 11:36:09 (M)
22. z,n,e		e	16 05 58		
22. z	z	e e	16 53 22 54 50		
22. z		ePKP	17 36 25	Gebiet der Fidschi-Inseln	17.08;175.8E h= 16km H=17:16:47.5(U) 16.08;176.0E 17:16:48 (M)
22. z	z,n,e	1P ePP	19 00 28.2K 04 21	1.3/26 Gebiet der Marianen	21.9N;142.9E h=269km H=18:47:36.6(U)

Juni 1973

22. z z,n,e,V z N,E	ePKIKP iPKP1 iPKP2 eL	20 11 23 11 27.7 11 32.9 21 33	1.3/100 1.7/40 / Tonga - Inseln	21.2S;174.3W h N 20.8S;175.1W	H=19:51:40.5(U) 19:51:43 (M)
22. z	1P	23 07 25.4			
22. z,n,e	e	23 39 05			
22. z,n,e	e	23 56 08			
23. z,n,e,V z,e z N,E N,V	1P epP i eL eL	02 21 34.6K,W 1.2/125 1.3/50 1.2/27 21 46 22 00.0 57 03 00	Kurilen t15 an1 ae1 t15 an1.5 av1	43.2N;147.3E h= 41km 44.1N;146.9E	H=02:09:40.1(U) 02:09:39 (M)
23. z	1P	03 24 48.3			
23. z	eP	04 42 50	Gebiet von Hokkaido, Japan	42.9N;145.8E h= 38km 42.5N;145.9E	H=04:30:55.7(U) 04:30:53 (M)
23. z,e n	e(P) e	05 38 32 38 50	Andreanow-Inseln, Aleuten	51.9N;176.9W h= 62km 51.7N;176.5W	H=05:26:49.0(U) 05:26:44 (M)
23. z	1P	08 28 48.2D	Kurilen	43.1N;147.3E h= 66km	H=08:16:55.5(U)
23. z	ePKP1	14 41 25	Spuren, Tonga-Inseln	19.6S;174.3W h N	H=14:21:41.2(U)
23. z	e	15 02 33			
23. z,n	e	20 02 42			
23. z	e	20 45 55	Spuren, Gebiet der Fidachi-Inseln	16.9S;175.9E h= 29km	H=20:26:08.1(U)
24. z	1P	01 26 11.1			
24. z,n,e	e	01 35 18			
24. z,n,e,N,E,V N,E N z,n,e,N,E N,E N,E	1P ePP 1PPP 1S eSSm eLm F	02 55 16.7K,S,W t20 an36 ae21 av69.5 58 06 03 00 01 77° MPH1=MPV1=7.5 MSH1=7.6 05 05 t13 an55 ae47.5 11 MLH=7.8 32 t18 an280 ae250 07 30	Kurilen	43.3N;146.4E h= 50km 44.2N;146.0E	H=02:43:25.5(U) 02:43:28 (M)
24. z,n,e	1P	03 08 39.3	Hokkaido, Japan	44.1N;145.0E	H=02:56:49.9(F)
24. z,n,e z z	1P i i	03 16 10.4K,S 1.5/280 / / 16 16.2 16 29.0	Kurilen	43.2N;146.8E h= 55km 42.9N;147.2E	H=03:04:18.6(U) 03:04:13 (M)
24. z	1P	03 22 34.4D	E-lich Hokkaido, Japan	44.4N;146.2E	H=03:10:43.8(F)
24. z z	eP i	03 25 58 26 10.2			

Juni 1973

24. z,e z z	1P 1P2 (8) i	03 40 31.1K 40 36.0 40 48.5	Kurilen	43.3N;146.8E h= 47km 43.9N;146.6E	H=03:28:38.5(U) 03:28:40 (M)
24. z,n,e z,e	e 1P	03 51 11 03 52 30.3K 1.3/28 /	Kurilen	43.2N;146.7E h N	H=03:40:35.0(U)
24. z z	eP epP	03 59 41 59 52	Kurilen	43.0N;146.6E h= 37km 43.9N;146.4E	H=03:47:45.8(U) 03:47:51 (M)
24. z	eP	04 05 58	Kurilen	43.1N;146.6E h= 65km	H=03:54:06.2(U)
24. z	eP	04 23 21	E-lich Hokkaido, Japan	44.6N;145.7E	H=04:11:33.7(F)
24. z	e	04 28 28	Spuren		
24. z,n,e z z	1P i(pP) i	04 55 17.6K 1.2/30 / / 55 25.8 55 32.1	Kurilen	43.1N;146.7E h= 62km 43.6N;146.8E	H=04:43:25.7(U) 04:43:23 (M)
24. z,n,e n,e n,e	1P eS e	05 19 39.6K 1.1/135 1.4/57 1.0/37 29 28 29 47	Kurilen	43.1N;146.6E h= 44km 44.0N;146.3E	H=05:07:46.8(U) 05:07:50 (M)
24. z,n z,n	1P e	07 20 45.8 1.1/16 / 20 51	Kurilen	43.1N;146.7E h= 42km 43.2N;147.0E	H=07:08:52.1(U) 07:08:51 (M)
24. z	eP	09 24 05	Kurilen	43.3N;146.3E h N	H=09:12:11.3(U)
24. z	i	10 01 24.1K 0.8/13	Vor der Küste von Hokkaido, Japan	42.9N;146.5E h= 54km	H=09:49:21.6(U)
24. z	e	10 40 48 1.1/15	Kurilen	43.2N;146.7E h= 59km 43.8N;146.7E	H=10:28:45.3(U) 10:28:46 (M)
24. z,n,e z,n,e	1P ipP	11 05 45.7K 1.1/70 1.1/30 1.1/19 05 58.0	Kurilen	43.1N;146.5E h= 60km 43.7N;146.3E	H=10:53:54.1(U) 10:53:54 (M)
24. z	eP	12 02 32			
24. z z	iP epP	12 32 59.0D 1.0/14 33 09			
24. z	e	12 48 17			
24. z z,n,e N,E V	eP ePP eLm eLm	17 28 34 32 26 18 10 15	Gebiet der Marianen	21.0N;143.1E h N 21.2N;143.3E	H=17:15:10.4(U) 17:15:11 (M)
24. z z,n,e	iP e	17 55 36.5 55 43	Bergschlag Ober- schlesien, Polen		(P)
24. z z	eP epP	18 01 18 01 30	Kurilen	43.2N;146.4E h= 40km 44.0N;146.1E	H=17:49:25.4(U) 17:49:30 (M)

Juni 1973

24. z,n,e z,n,e z,n	iP epP e	18 53 44.3K 1.0/24 / / 53 55 54 12	Kurilen	43.1N;146.9E h= 36km H=18:41:49.3(U) 43.0N;147.3E 18:41:47 (M)
24. z,n,e z,n,e N,E,V	iP e eLm	20 12 07.9K 1.7/52 / / 12 19 50	Kurilen	43.3N;146.8E h= 51km H=20:00:16.1(U) 43.4N;146.9E 20:00:14 (M)
24. z	eP	20 46 31		
24. z	e(P)	20 58 03	Spuren, Japan	h= 40km H=20:45:58 (S)
24. z,n z	1PKP ₁ 1PKP ₂	21 55 32.3K 1.0/17 / 55 37	Gebiet der Fidschi-Inseln	20.7S;178.8W h=624km H=21:36:54.2(U)
25. z	e	00 30 23		
25. z,n	eP	00 35 41	1.1/13 / Kurilen	43.0N;147.1E h= 67km H=00:23:48.7(U)
25. z	eP	00 49 29	Kurilen	43.0N;146.4E h= 65km H=00:37:37.6(U)
25. z,n,e	e	02 42 17		
25. z,n,e z	iP epP	07 22 48.2 23 43	Andreanow-Inseln, Aleuten	52.9N;174.7W h=207km H=07:11:23.5(U) 51.1N;172.9W 07:10:52 (M)
25. z,n,e,V z z,n,e N,E N,E,V	iP i ipP eS eLm	07 32 23.1K 1.7/64 / / 32 28.2 32 34.3 86° MLH=5.7 42 45 08 17	Gebiet der Philippinen t16 an2 ae1.5 av1.5	19.1N;121.2E h= 50km H=07:19:46.3(U) 19.1N;121.3E 07:19:44 (M)
25. z	e	08 16 39	Gebiet der Philippinen	19.8N;121.3E h N H=08:04:00.5(U) 19.9N;121.7E 08:04:01 (M)
25. z	iP	08 31 28.0D	Kurilen	43.1N;146.4E h= 38km H=08:19:33.8(U) 44.7N;145.7E 08:19:42 (M)
25. z,e N,E,V	eP eLm	10 35 51 54	Iran	30.0N; 50.5E h= 48km H=10:29:02.6(U) 30.0N; 50.4E 10:29:04 (B) 29.7N; 50.4E 10:29:00 (M)
25. z	eP	10 44 19	Kurilen	43.0N;146.9E h= 64km H=10:32:25.9(U)
25. z,n,e	e	10 57 15		
25. z z z	eP e ePP	11 51 51 55 29 56 08	Molukken - Straße	0.9N;126.0E h N H=11:37:51.6(U) 1.0N;126.0E 11:37:52 (M)
25. z,n,e	e	13 33 13		
25. z	e	14 06 07		
25. z	e	15 22 42	S - Pazifik	
25. z	eP	'16 24 27	Kurilen	35.9S;103.9W h N H=15:03:18.7(U)
25. z z	ePKP ₁ ePKP ₂	18 28 14 28 21	S-lich der Fidschi-Inseln	43.3N;146.9E h= 40km H=16:12:33.4(U) 43.5N;147.2E 16:12:29 (M)
25. z				25.3S;179.5E h=497km H=18:09:15.3(U)

Juni 1973

25. z z	eP ePP	21 00 20 04 27	Mindanao, Philippinen	6.9N;126.8E h= 73km H=20:46:46.3(U) 7.1N;126.7E 20:46:42 (M)
25. z	e	22 25 57	Spuren, Kurilen	43.0N;146.2E h= 49km H=22:13:50.2(U)
26. z,n	e	00 17 50		
26. z	eP	00 52 50	Spuren, Golf von Alaska	59.4N;144.7W h= 15km H=00:41:48.8(U)
26. z	e	03 49 09		
26. z	e	04 10 42		
26. z	e	04 14 37		
26. z N,E	eP eL	05 47 00 06 18	Nahe Inseln, Aleuten	52.2N;174.1E h= 41km H=05:35:17.0(U) 52.4N;173.8E 05:35:18 (M)
26. z,n,e	e	06 42 56	Nahbeben	(W)
26. z	eP	07 37 13	Guatemala	14.3N; 90.7W h= 38km H=07:24:28.1(U)
26. z,n	e	10 57 26		
26. z,n,e z	iP i	11 51 16.3K 1.3/52 / / 51 27.8	Kurilen	43.1N;146.6E h= 57km H=11:39:23.9(U) 43.1N;147.0E 11:39:15 (M)
26. z,n N,E,V	e eLm	12 04 01 30		
26. z,n,e z	iP e	12 30 01.0K,S 1.2/58 1.2/20 1.0/16 30 17	Kurilen	43.1N;146.0E h= 46km H=12:18:08.9(U) 43.4N;146.1E 12:18:03 (M)
26. z,n,e,N,E,V z z,n,e,N,E N,E N,E,V	iP ipP eS eLm eL	18 14 19.5K,S,W 1.2/100 1.7/58 1.2/37 14 30.9 24 09 S,E 78° MLH=6.2 48 t17.5 an6.5 ae7 54 t15 an6 ae6 av6	Kurilen	43.0N;147.1E h= 39km H=18:02:24.2(U) 43.9N;146.7E 18:02:28 (M)
26. z	iP	18 28 22.3D 0.9/12	Gebiet von Hokkaido, Japan	43.8N;145.7E h= 43km H=18:16:33.1(U)
26. z,n,e z	iP i	19 09 46.9D 0.8/14 0.8/10 / 10 14.0	Mittelmeer, SE-lich Kreta	34.3N; 26.3E h= 50km H=19:05:24 (B) 34.3N; 26.1E 38 19:05:21.9(U) 34.3N; 25.9E 19:05:20 (M)
26. z,n,e,N,E,V z,n,e N,E N,E N,E N,E N,E,V	iP oder P ₂ (S) ePP eS eSS eL eLm eL F	22 43 52.3K,S,W 1.0/105 1.0/32 0.9/38 t19 an5.4 ae3.4 av8.6 78° 44 03.0 t19 an4.5 ae2 46 45 t19 an9.3 ae13.5 53 42 59 23 13 t24 an41 ae92 19 t16 an42 ae64 22 t16 an58 ae41 av65 03 MPH _k =6.1 MPV _k =5.9 MPH ₁ =6.8 MPH ₁ =6.5 MPV ₁ =6.6 MSH ₁ =6.9 MLH=7.1	Kurilen	43.2N;146.6E h= 50km H=22:32:00.2(U) 43.6N;146.4E 22:32:01 (M)

Juni 1973

26. z,n,e z,e	1P ipP	22 53 29.4K 1.2/86 1.3/31 1.1/27 53 43.3	Vor der Küste von Hokkaido, Japan	42.8N;146.7E h= 41km H=22:41:34.6(U) 43.7N;146.4E 22:41:33 (M)
26. z,n,e z,n,e	1P epP eS	22 57 26.4K Kurilen 57 38 23 07 17		43.0N;146.7E h= 44km H=22:45:32.5(U) 43.0N;146.9E 22:45:30 (M)
26. z z,n,e z	eP e(pP) i	23 09 09 0.9/9 09 19 09 26.8	Vor der Küste von Hokkaido, Japan	42.8N;146.6E h= 44km H=22:57:13.0(U) 44.0N;146.2E 22:57:14 (M)
26. z	eP	23 37 10	Vor der Küste von Hokkaido, Japan	43.0N;146.8E H=23:25:10.6(P)
27. z	eP	00 03 12	Kurilen	43.3N;146.5E h= 26km H=23:51:16.8(U) 44.1N;146.2E 23:51:21 (M)
27. z,n,e	1P	01 14 55.1K 1.1/28 1.3/13 /	Vor der Küste von Hokkaido, Japan	42.8N;146.6E h= 41km H=01:02:59.2(U) 43.4N;146.4E 01:03:02 (M)
27. z	e	01 30 57	Spuren	
27. z	eP	01 31 23	Vor der E-Küste von Hokkaido, Japan	42.9N;147.1E H=01:19:24 (M)
27. z,n,e z,e z	1P i ipP	01 53 08.8K,S,W 1.2/100 1.3/34 1.1/27 53 13.0 53 21.4	Kurilen	43.1N;146.5E h= 46km H=01:41:16.1(U) 43.4N;146.6E 01:41:15 (M)
27. z	e	02 07 18	Spuren	
27. z,n,e z,n z,e n	1P e i e	03 27 13.9K 1.3/43 1.2/19 0.9/12 27 22 27 34.0 27 50	Kurilen	43.1N;146.8E h= 45km H=03:15:20.4(U) 43.3N;147.1E 03:15:19 (M)
27. z,n,e z,e N,E,V	1P ipP eLm	03 54 34.0D 1.0/32 / 1.0/14 54 44.8 04 32	t16 an2 ae1 av2 Gebiet von Hokkaido, Japan	42.6N;145.8E h= 38km H=03:42:38.0(U) 43.1N;145.6E 03:42:40 (M)
27. z,e	1P	04 08 58.8K 1.2/17 /	(Atmosphärische?) Kernex- plosion, S-liche Provinz Sinkiang, China	40.6N; 89.5E h N H=03:59:51.0(U)
27. z,n,e	e	11 33 39		
27. z,n,e	1P	12 02 02.8K 1.3/50 / /	Nahe der E-Küste von Kamtschatka	53.2N;159.8E h= 40km H=11:50:40.0(U) 52.9N;159.9E 70 11:50:41 (M)
27. z z z,n,e	ePKIKP 1PKP1 1PKP2	12 36 40 2.1/36 36 52.1 1.5/26 37 12.9 1.6/54 1.6/29 / 157.5°	Kermadec-Inseln	30.6S;178.0W h= 42km H=12:16:48.7(U) 30.7S;178.5W 12:16:47 (M)
27. z,n,e z,e z N,E	eP epP e eLm	13 19 31 1,5/28 / / 21 18 21 36 42	S-liche Provinz Sinkiang, China	40.6N; 79.2E h N H=13:11:11.0(U) 40.7N; 79.4E 13:11:09 (M)
27. z	e	14 27 44		
27. z	1P	20 34 22.2	Gebiet von Hokkaido, Japan	42.7N;145.4E h N H=20:22:27.3(U) 42.6N;145.5E 20:22:27 (M)

Juni 1973

27. z z z	1PKP1 ePKD1 epPKP	21 13 43.1K 0.8/25 13 53 15 50	S-lich der Fidsohi-Inseln	23.7S;179.9E h=539km H=20:54:51.5(U)
28. z	eP	01 52 59	E-lich Kamtschatka	56.1N;162.9E H=01:41:46.0(P)
28. z	ePKP	10 47 25	Gebiet der Fidsohi-Inseln	18.2S;178.6E h=642km H=10:28:56.5(U)
28. z,e z,n,e z z z,n N,E N,E N,E,V	1P ipP i e e eS eLm eL P	11 02 01.1D 1.1/22 / 02 12.1 84° 02 26.9 04 38 05 25 12 34 41 46 12 30	SW-liche Riu-kiu-Inseln t15 an2 ae1.5	23.4N;123.5E h= 41km H=10:49:33.4(U) 24.3N;123.5E 10:49:37 (M)
28. z z z	1PKP epPKP ePKS	14 30 08.7D 1.5/26 30 42 33 31	Santa-Cruz-Inseln	12.8S;166.7E h=146km H=14:11:03.0(U) 12.7S;166.7E 120 14:10:58 (M)
28. z,n,e z,n,e	e e	16 09 03 09 25		
28. z	eP	19 27 31	Unterirdische Kernexplos- ion, PORTULACA, Nevada-Testort	37.148°N;116.086°W h= 0km H=19:15:12.4(U)
28. z	1P	22 09 02.4D 1.4/15	Provinz Szetschuan, China	29.1N;103.6E h N H=21:58:02.9(U) 28.8N;103.9E 21:58:01 (M)
28. z,n,e N,E	1P eLm	22 10 30.8D 1.5/65 1.1/17 1.5/32 37	Provinz Szetschuan, China	28.9N;103.6E h N H=21:59:30.3(U) 28.7N;103.7E 21:59:25 (M)
28. z	e	22 15 42	Provinz Szetschuan, China	29.1N;103.6E h N H=22:04:43.2(U)
29. z,n	eP	00 02 18		
29. z	eP	00 15 48	1.1/11 Provinz Szetschuan, China	28.9N;103.7E h N H=00:04:46.8(U)
29. z z	1P i	01 39 42.7K 0.9/20 40 00.2	Kurilen	43.6N;146.0E h= 58km H=01:27:53.8(U) 43.2N;146.3E 01:27:50 (M)
29. z	e	02 24 23		
29. z z z N N,E V	1P epP ePP eSS eLm eL	02 36 45.2K 2.1/50 36 52 40 38 K 2.4/110 54 35 03 18 22	Gebiet der Marianen	21.1N;143.1E h= 24km H=02:23:20.9(U) 21.3N;143.3E 02:23:23 (M)
29. z,n,e,V z z,n z z z n,e,N,E E N,E V	1P ipP e i i eS e eLm eL	03 38 42.8K,S,W 0.9/430 1.1/110 0.8/130 38 59.6 77° MLH=5,6 39 07 39 59.6 40 14.8 48 26 48 54 04 14 16	Gebiet von Hokkaido, Japan t18 an2 ae1.5 av2	43.4N;145.8E h= 50km H=03:26:53.2(U) 43.5N;145.8E 70 03:26:55 (M)
29. z z,e	eP epP	08 08 19 11 59	Vor der Küste von Mittelamerika	3.9N; 85.0W h N H=07:55:11.9(U)

Juni 1973									
29.	z,n,e	1	08 55 43.9	Nahbeben					
29.	z,n	e	08 59 52						
29.	z,n,e	1Pg 1Sg	11 39 48.9 40 02.0	105 km Sprengung	16.2t	50.58°N;14.00°E			
29.	z,n	1P	12 31 02.8D	1.3/30 / Kurilen		49.2N;156.2E h N 49.5N;155.9E	H=12:19:22.7 12:19:25		
29.	z,n,e z,n,e,N,E z,V	1Pg 1Sg 1L	12 42 38.3 42 40.8 42 42.4	Sprengung					
29.	z	e	12 48 52						
29.	z	eP	13 47 22	E-lich Hokkaido, Japan		42.7N;146.2E	H=13:35:25		
29.	Z Z	ePg 1	15 05 45 06 26.4	265km Spuren Sprengung 5.4t		9°13.15'N;50°57.86'E	H=15:05:00.4		
29.	z	eP	15 56 13	Kurilen		43.8N;146.1E	H=15:44:19.1		
29.	z,e	e	16 51 03	Kurilen		43.3N;146.8E h N 43.2N;146.8E	H=16:39:00.1 16:38:59		
29.	z,e	eP	18 03 01	1.7/36 / Provinz Szetschuan, China		28.8N;103.7E h N 28.8N;103.8E	H=17:52:00.8 17:52:00		
29.	z	e	18 30 58						
29.	z	e	22 01 43						
29.	z,e N,E,V	eP eLm	23 20 11 30	N - Atlantik		54.0N; 35.2W h N 56.2N; 31.1W	H=23:14:14.4 23:14:37		
29.	z,e N,E,V	eP eLm	23 50 44 00 01	Reykjanes-Rücken		53.4N; 36.5W	H=23:44:37		
30.	z,e N,E,V	eP eLm	01 42 39 53	N - Atlantik		54.2N; 35.1W h N 54.3N; 35.3W	H=01:36:42.6 01:36:43		
30.	z z,n,e z,e	ePKIKP 1PKP 1PKP ₁ 1PKP ₂	05 42 48 42 50.9D 42 54.4	Ende Ausfall 1.0/72 / 0.9/22 1.2/36 1.3/31 Gebiet der Fidzchi-Inseln		19.9S;177.6W h=576km 20.3S;176.7W	H=05:24:10.0 05:23:09		
30.	z	e	08 04 03						
30.	z z N,E,V	e(P) epP eL	08 21 40 22 06 09 01	Naher der Küste von Guatemala		13.8N; 90.9W h= 78km 14.1N; 91.5W	H=08:08:57.6 08:08:55		
30.	z	ePKP	10 23 55	Tonga - Inseln					
30.	z	e	13 49 36	Spuren, Gebiet von W-Neuguinea		17.2S;172.5W h N	H=10:04:15.8		
30.	z	e	15 41 51			3.8S;131.4E h N	H=13:30:11.7		

Juni 1973									
30.	z,n,e	1P	17 55 51.8	1.3/32 / / Gebiet von Taiwan		22.9N;121.4E h N 23.0N;121.5E	H=17:43:27.6(U) 17:43:28 (M)		
30.	z	e	18 06 33	Spuren					
30.	z,n N,F,V	1P eLm	18 07 37	33.2K,S 1.8/99 1.7/33 / Nahe - Inseln, Aleuten		52.7N;172.3E h= 44km 52.7N;172.0E	H=17:55:55.9(U) 17:55:55 (M)		
30.	z z	1P e	19 40 05.7 42 07						

Dr. B. Tittel, Assistent
H. Merkel

Geophysikalisches Observatorium Collm
der Karl-Marx-Universität Leipzig

Geophysikalische Meßreihen

3

1973

Seismische Registrierungen

Geophysikalisches Observatorium

DDR - 7261 COLLN

Geophysical measuring series
of the
Geophysical Observatory
of the Karl-Marx-University
Leipzig

Geophysikalische Meßreihen
des Geophysikalischen
Observatoriums
der Karl-Marx-Universität
Leipzig

C O L L N

SEISMIC
RECORDS

SEISMISCHE
REGISTRIERUNGEN

III. quarter 1973

III. Quartal 1973

1. General

The seismic observations are carried out in the earthquake division which lies apart from the street and any other building, 130 m in the south of the main building of the observatory. The supports of the instruments stand immediately on graywacke of the ordovician not yet weatherbeaten. Coordinates of the earthquake division:

$$\varphi = 51^{\circ}18.6'N \quad \lambda = 13^{\circ}00.2'E \quad h=230m$$

The following seismographs are used:

1. WIECHERT horizontal seismograph (components NS and EW; recording on carbon tape)
2. BENIOFF vertical seismograph (recording in the main building which is connected with the earthquake division by noninductive underground cable)
3. VSJ-II vertical seismograph and 2 HSJ-II horizontal seismographs (components NS and EW) with 4-trace-recorder

= "SSJ-II (Seismische Station Jena II)"

4. 2 ANDERSON-WOOD-torsion seismographs (components NS longper. and NS shortper.; optical recording)
5. 2 HSJ-I horizontal seismographs (components NS and EW, with own recorder RGJ-I)
VSJ-I vertical seismograph (4-trace-recorder, see above)

= "SSJ-I (Seismische Station Jena I)"

The time service is done by a quartz-clock. This clock gives minute-pulses of 2 s and hour-pulses of a duration of 20 s. A pendulum-clock serves as compensatory clock. Every day, the clocks are compared with the second signal of the transmitters 4525 kc resp. 77.5 kc (digital control). At WIECHERT and SSJ-I the time marks are interruptions; at the other records reductions of the light. The insecurity in time is ± 0.2 s. Numerous explosions and rolling mountains are leaved out in this bulletin because of their unimportant force.

Evaluation

- 1 Date
- 2 Instrument

Z = BENIOFF-Vertikal
z = VSJ-II
n = HSJ-II NS
e = HSJ-II EW
WN = WIECHERT NS
WE = WIECHERT EW
N = HSJ-I NS
E = HSJ-I EW
V = VSJ-I

AN = ANDERSON-WOOD NS, longper.
An = ANDERSON-WOOD NS, shortper.

- 3 Phase
- 4 Time of onset in GMT
- 5 Direction of ground motion

1. Allgemeines

Die seismischen Beobachtungen finden in der Erdbebenwarte statt, die sich abseits der Straße und jeden anderen Gebäudes 130 m südlich des Observatoriumshauptgebäudes befindet. Die Instrumentensockel stehen unmittelbar auf unverwitterter Grauwacke des Ordoviziums. Koordinaten der Erdbebenwarte:

Folgende Seismographen sind in Betrieb:

1. WIECHERT-Horizontalseismograph (Komponenten NS und EW; Rußstreifenregistrierung)
2. BENIOFF-Vertikalseismograph (Registrierung im Hauptgebäude, das mit der Erdbebenwarte durch induktionsfreies Erdkabel verbunden ist).
3. VSJ-II Vertikalseismograph und 2 HSJ-II Horizontalseismographen (Komponenten NS und EW) mit 4-Spur-Registriergerät

4. 2 ANDERSON-WOOD-Torsionsseismographen (Komponenten NS langper. und NS kurzper.; optische Registrierung)
5. 2 HSJ-I Horizontalseismographen (Komponenten NS und EW, mit Originalregistriergerät RGJ-I)
VSJ-I Vertikalseismograph (4-Spur-Registriergerät, siehe oben)

Die Zeitangabe erfolgt durch eine Kleinquarzuhr. Diese Uhr gibt Minutenimpulse von 2 s und Stundenimpulse von 20 s Dauer. Als Reserve dient eine Pendeluhr. Die Uhren werden täglich mit den Sekundensignalen der Sender 4525 bzw. 77.5 kHz (Digitalanzeige) verglichen. Bei WIECHERT und SSJ-I werden die Zeitmarken als unterbrechungen gegeben; bei den anderen Registrierungen als Lichtschwächungen. Die Zeitunsicherheit beträgt ± 0.2 s. Zahlreiche Sprengungen und Bergschläge wurden in diesem Bericht auf Grund ihrer geringen Stärke fortgelassen.

Auswertung

- 1 Datum
- 2 Instrument

AN = ANDERSON-WOOD NS, langper.
An = ANDERSON-WOOD NS, kurzper.

- 3 Phase
- 4 Einsatzzeit in MGZ
- 5 Richtung der Bodenbewegung

6 Remarks) at first the own statements without mention of sources, e.g. epicentral distance, depth of focus, magnitudes after recommendations of Zürich 1967 (index k: shortper.; index l: longper.) respectively after magnitude equation for Colla 1959 ($=Mag$); than dates of the seismic central offices or other stations with the following abbreviations:

U: USERL
M: Moskau/ANSSSR
B: BCIS
G: Griechenland
H: Hannover
I: ISO

6 Bemerkungen; zuerst eigene Aussagen ohne Quellenangabe, wie Epizentraldistanz, Herdtiefe, Magnituden nach den Empfehlungen von Zürich 1967 (Index k: kurzper.; Index l: langper.) bzw. nach der Magnitudengleichung für Colla 1959 ($=Mag$); dann Daten der Seismischen Zentren oder anderer Stationen mit folgenden Abkürzungen:

J: Jena
P: Polen
G: Pruhonice
F: Hagfors } Schweden
S: Uppsala }
W: Wien

The declaration of periods and amplitudes for important onsets appears in the corresponding line if measurement practicable:

t an as av
average period [sec] amplitude from N,E,V [μ],
in the sequence s,n,e

T / A
period [sec] amplitude [μ].

Perioden- und Amplitudenangaben für wichtige Einsätze erscheinen in der entsprechenden Zeile, falls Messung möglich ist:

t an as av
mittlere Periode [sec]. Amplitude von N,E,V [μ],
in der Reihenfolge s,n,e

T / A
Periode [sec] Amplitude [μ].

1.1 Falling out of the records

July:
Z 13. 17.44 - 01.35 am 14.
z,n,e,v 19. 11.27 - 17.53
August:
Z 30. 22.38 - 06.09 am 31.
September:
Z 04. 12.01 - 12.01 am 05.

1.1 Ausfall der Registrierungen

s,n,e,v 18. 22.13 - 05.38 am 19.
s,n,e,v 19. 18.27 - 06.45 am 20.

1.2 Constants of the seismographs

1.2 Konstanten der Seismographen

Gerät	T_0 (s)	D_0	T_g (s)	D_g	r/T_0^2	$V_{stat.}$	$V_{max.}$	Registrier- geschwindig- keit (mm/min)
Z	0.452	0.65	1.43	1				60
s	2.175	0.537	0.296	1.474			(38000)	60
n	2.171	0.537	0.294	1.474			55000	60
e	2.171	0.537	0.293	1.474			60000	60
WH	10.1	0.28					58000	60
WE	10.2	0.33			0.043	300		15
H	20.0	0.50	1.10	9.09	0.035	300		15
E	20.0	0.51	1.21	8.24		1075		15
V	20.0	0.51	1.20	8.35		1120		15
AN	5.8	0.12				1090		60
An	1.1	0.06				500		30
						500		30

2. Evaluation

July 1973

1. z	1P	02 05 51.9K	0.8/17						48.4N;146.0E h=435km H=01:55:08.0(U) 48.1N;146.3E 500 01:55:11 (M)
									Ochotkisches Meer
1. z	eP	06 13 25	0.9/9						43.4N;145.9E h N H=06:01:43.4(U)
									Gebiet von Hokkaido, Japan
1. z	e	08 01 13							Spuren
1. z	1P	11 11 33.4K							
1. z,n,e,N,E,V	1P	13 44 35.3K	S,E 2.7/830 2.2/200 1.8/77						
									t13 an9.5 ae3.3 av23.4
									69° MPV _k =6.5 MPH _k =6.4
									t14 an8.2 ae1.8 av9.7
									t13 an15.8 ae11.3
									MPFV ₁ =6.9 MSH=7.1 MPV ₁ =7.2
									MPH ₁ =7.3 MPPH ₁ =7.0 MLH=6.7
									t26 ₁ an53.5 ae7
									4.3/6000
									t21 an22 ae22
									t14 an25 ae19 av20.5
									t14 an12 ae24 av27.5
									t18 an26.5 ae13
									17
									Vor der Küste von SE-Alaska
									57.8N;137.3W h N H=13:33:34.6(U) 57.5N;137.1W 13:33:27 (M)
1. z,n,e	1P	15 23 06.0K	1.2/24 / /						
	ipP	23 14.1							
									Vor der Küste von SE-Alaska
									57.8N;137.3W h N H=15:12:05.0(U) 58.2N;137.4W 15:12:07 (M)
1. z	eP	16 31 20							
	ePP	35 13							Gebiet der Marianen
									21.6N;143.1E h=225km H=16:18:21.2(U) 21.3N;143.2E 16:17:58 (M)
2. z,n,e	eP	01 10 29	2.0/61 / 2.0/62						
									N-atlantischer Rücken
									49.5N; 28.5W h N H=01:04:56.0(U) 49.5N; 28.6W 01:04:50 (M)
2. z,n	eP	01 52 34	1.7/20 /						
									N-lich Spitzbergen
									84.1N; 0.6W h N H=01:45:59.4(U) 84.1N; 0.2W 01:45:58 (M)
2. z,n,e	1P	06 03 21.5K	1.2/50 1.3/23 1.0/18						
	e	03 32							
	ipP	03 38.1							Gebiet von Hokkaido, Japan
	eSP	03 45							42.9N;145.4E h= 57km H=05:51:30.9(U) 43.1N;145.3E 05:51:29 (M)
2. z,n,e	1P	06 07 36.2D	S 1.4/130 1.5/59 1.2/19						
	ipP	07 45.6							Gebiet der Kommandeur - Inseln
									54.0N;164.1E h N H=05:56:12.4(U) 53.9N;164.1E 05:56:12 (M)
2. z,n	e	11 28 30							
2. z	e	12 17 36							N-liches Ägäisches Meer
									39.7N; 24.1E h N H=12:14:07 (B) 39.7N; 24.0E 12:14:08.3(U) 41.0N; 24.7E 12:14:28 (M)
2. z	eP	12 56 23							Tadshikische SSR
									37.8N; 72.2E h N H=12:48:25.9(U) 37.5N; 72.0E 12:48 (M)
2. z,n,e	e	13 03 08							
2. z,e	eP	18 33 43							Gebiet der Dominikanischen Republik
	e	33 50							17.2N; 71.7W h= 25km H=18:22:10.4(U)

Juli 1973

2. s s,n	ePKKP iPKP ₂	20 15 14 15 46.8	Kermadec-Inseln	29.78;177.6W h= 51km H=19:55:26.0(U) 29.68;174.2W 19:55:21 (M)
2. s,n,e	e	21 14 08		
2. n	eP	23 05 55	Spuren, Vor der Küste von SE-Alaska	57.9N;137.7W h N H=22:54:45.9(U) 59.3N;137.9W 22:54:55 (M)
2. s,e s,n	e e	23 40 33 41 20	Nähe der S-Küste von Jugoslawien	42.0N; 18.8E H=23:36:29 (Q)
3. s,n	e	02 54 25		
3. s	eP	03 06 49	Spuren, Kurilen	43.7N;146.6E h= 48km H=02:54:57.7(U)
3. s,e s N,E N,E,V	eP e eSKS eLm	04 12 40 15 50 23 03 45	1.7/41 / Michoacan, Mexiko	19.1N;101.8W h=125km H=03:59:53.7(U) 19.8N;101.9W 03:59:46 (M)
3. s s	iPKP ₁ ePKP ₂	04 24 21.1D 24 25	0.8/22	
3. s,n,e s	eP i(FP)	06 50 49 54 52.1	1.0/15 / / 1.2/14 Samar, Philippinen	12.3N;125.4E h= 44km H=06:37:34.4(U) 12.2N;125.6E 06:37:27 (M)
3. s,n,e,N,E,V N,N,E,V N,E N,E N,E s N,E N,E,V N,E,V	iP iFP e eSKS eS ePKPPKP eL eLm eLm P	07 16 59.9K 20 51.0 23.0 27 32 28.1 42 14 55 08 00 03 10 30	2.2/320 2.0/82 2.5/170 94° MSH=MLH=6.7 Samar, Philippinen t20 an6.2 ae6.7 t20 an23 ae8 t18 an18 ae13.5 av19.5 t17 an14 ae14 av21	12.2N;125.3E h N H=07:03:43.9(U) 12.1N;125.5E 07:03:39 (M)
3. s	iP	07 19 36.2	Samar, Philippinen	H=07:06:21 (S)
3. s	eP	08 02 36	Spuren, Samar, Philippinen	12.3N;125.4E h= 51km H=07:49:22.3(U) 12.2N;125.8E 07:49:19 (M)
3. s	eP	08 09 48		
3. s s s	eP e e(FP)	08 10 38 14 04 14 40	1.2/20 Samar, Philippinen	12.1N;125.4E h= 56km H=07:57:24.0(U) 12.3N;125.7E 07:57:22 (M)
3. s,n,e s,n,e s,n,e	iPg iBg eL	11 00 15.4 00 31.8 00 47	Sprengung, USSR	(W)
3. s,n,e s	iP eP	11 09 09 09 56	K 1.1/58 / 0.9/22 Kiuschu, Japan	31.1N;130.2E h=139km H=10:57:07.5(U) 30.6N;130.6E 10:56:53 (M)
3. s	e	13 39 38		
3. s,e	eSg	14 01 30	Adriatisches Meer, vor der italienischen Küste	43.9N; 13.1E H=13:57.5 (B)
3. s	ePKP ₂	15 52 49	Gebiet der Kermadec - Inseln	31.78;177.8W h= 25km H=15:32:16.5(U)
3. s,n,e s,n,e s,n,e,N,E,V s,n,N,E	ePn e iBg iL	16 11 58 12 52 14 13 14 26.8	Adriatisches Meer, vor der italienischen Küste	43.9N; 13.1E H=16:10:10 (B) 44.1N; 13.3E h= 47km 16:10:12.4(U)
3. s	eP	16 41 37	SE-Alaska	58.1N;137.7W h N H=16:30:37.5(U)



Juli 1973

3. s,n,e,N,E,V s,n,e s,n,e N,E,V N,E s s,n,e,N,E,V N,E,V	iP i iPoP ePP eS eSS ePKPPKP iPKPPKP eLm P	17 10 35.8K,8,E 2.6/560 2.3/190 2.2/105 10 39.6 68.5° MPV _k =6.3 MPH _k =6.4 10 59.6 13 04 MSH=6.2 MLH=6.2 19 44 t13.5 an2.1 ae1.8 av2 24 SE-Alaska 38 47 58.0N;138.0W h N H=16:59:35.1(U) 38 55.2 3.9/(1600) / / 58.4N;138.3W 16:59:32 (M) 41 t18 an10 ae6.5 av11 20	
3. s	e	17 48 52	
3. s s	iP ePKPPKP	17 55 17.0K 1.3/14 18 23 30 SE-Alaska	58.0N;137.9W h N H=17:44:16.9(U) 58.3N;138.2W 17:44:18 (M)
3. s	iP	18 58 00.7D 1.0/13	Kurilen 46.2N;150.2E H=18:46:11.8(F)
3. s,n,e	e	19 12 02	
3. s,e	e	19 18 55	
3. s	e(P)	20 51 12	Spuren, E-lich Hokkaido, Japan 43.0N;147.0E H=20:39:11.4(F)
3. N,E	eL	22 41	
3. s	e	22 43 19	
3. s	e	23 39 33	Spuren
4. s s	eP e	01 56 34 56 46	Kurilen 43.3N;147.3E h N H=01:44:38.2(U)
4. s	iP	10 02 14.0D	Fuchs-Inseln, Aleuten 52.1N;171.4W h= 41km H=09:50:24.0(U) 51.6N;171.4W 09:50:20 (M)
4. s,n,e	e	11 14 58	
4. s,n,e n,e s,n,e	iPg eSg eL	11 16 25.1 16 41 16 59	Sprengung
4. s	eP	16 54 37	Grenzgebiet Indien-China 27.2N; 92.5E h= 26km H=16:44:11.5(U) 27.3N; 92.8E 16:44:12 (M)
4. s	e	17 23 54	Spuren
4. s s	eP e	17 38 34 38 50	Hondo, Japan 36.3N;139.7E h= 69km H=17:26:24.9(U)
4. s,n	e	18 04 29	
4. s	eP	21 15 27	Grenzgebiet Burma-Indien 23.6N; 94.8E h=127km H=21:04:46.3(U) 22.7N; 95.3E 21:04:30 (M)
4. s,n	eP	21 41 30	1.3/21 / Vor der Küste von Hokkaido, Japan 42.5N;146.0E h= 36km H=21:29:22.5(U) 42.6N;146.1E 21:29:22 (M)

Julii 1973

5. z	eP	00 02 49	104.5° MLH=5.6				
z	e	05 54	S-lich Afrika	53.2S; 22.7E	h N	H=23:48:43.0(U)	
z,n	e	07 02					
z,e,N	ePP	07 10					
N	eSS	21.9					
N,E,V	eLm	53	t19 an1.5 ae1 av1.5				
5. z	e	01 00 02					
5. z,n,e,V	iP	01 10 36.8K, S,W 0.8/60 0.7/41 0.8/34					
N,E,V	eLm	48	t16 an1 ae0.5 av1	44.0N;147.8E h= 40km	H=00:58:45.0(U)		
			Kurilen	44.2N;148.0E	00:58:45 (M)		
5. z,n,e,N,V	iP	08 00 05.4K 1.7/50 / /					
z	ePP	02 32	68.5° Vor der Küste	57.9N;137.9W h N	H=07:49:04.5(U)		
N,E	eS	09 16	von SE-Alaska	57.8N;137.8W	07:48:58 (M)		
z	ePKPPKP	28 17					
N,E,V	eLm	31	t18 an1.5 ae1 av1.5				
5. z	epP	09 54 11	S-lich Hondo, Japan	33.4N;140.9E h= 64km	H=09:41:29.8(U)		
5. z,n,e	iPg	10 44 40.9	Sprengung				
N,E,V	i	44 42.4					
5. z,n,e	iPg	11 30 37.3	Spuren Sprengung				
z,n,e	iSg	30 50.8					
5. z	iP	12 32 54.7D 0.9/13					
			Kurilen	43.1N;146.5E h= 39km	H=12:21:00.0(U)		
5. z,n,e	iPg	14 57 56.8	105 km Sprengung 22.0t	50.39°N;13.22°E		(O)	
z,n,e	iSg	58 09.8					
e	eL	58 18					
5. z	e	16 55 57					
5. z	iPKP	19 42 59.1D	Gebiet von Neu-Britannien	4.9S;151.7E h=150km	H=19:24:19.7(U)		
				6.0S;154.9E	19:23:52 (M)		
5. z	eSn	22 25 51	Albanien	41.6N; 19.9E h N	H=22:21:15.6(U)		
n,e	eSg	26 14					
z	e	27 10					
		27 26					
5. z,n,e,V	iP	22 59 30.2K 1.6/43 / /					
z	ipP	59 38.4	93° MLH=6.6				
N,E	ePP	23 03 09	Luzon, Philippinen	13.2N;124.7E h= 38km	H=22:46:16.4(U)		
N,E	eSKS	10 00		13.6N;124.6E	22:46:19 (M)		
N,E,V	ePS	11 40					
	eLm	44	t18 an11.5 ae17.5 av19.5				
	P	01 30					
6. z,n,e	e	08 55 44					
6. N,E	ePS	09 55 42	Nahe der Küste von N-Chile	27.2S; 71.1W h= 34km	H=09:27:30.7(U)		
N,E,V	eLm	10 36	t17 an1 ae1 av2				
6. z,n,e	iP	13 49 52.9	1.6/36 / /				
z	ipP	50 06.0					
N,E	e	51 54	Nahe der E-Küste	40.2N;142.5E h= 51km	H=13:37:53.7(U)		
N,E,V	eLm	14 26	von Hondo, Japan	40.5N;142.4E	13:37:52 (M)		
6. z,n,e	e	16 00 21	Nahbeben (?)				
z,n,e	eL	00 52					



Julii 1973

7. z	e(PKP)	00 27 34	Gebiet der Fidschi-Inseln	15.1S;175.0E h=614km	H=00:09:15.5(U)		
z	eSKP	30 21					
7. z	ePKP	02 46 44	Neue Hebriden	19.1S;168.8E h= 93km	H=02:27:24.8(U)		
z	ePKS	50 19		19.1S;169.3E	02:27:17 (M)		
7. z	eP	03 09 07	1.0/9	52.5N;168.3W h= 47km	H=02:57:19.2(U)		
			Fuchs-Inseln, Aleuten	52.9N;168.7W	02:57:20 (M)		
7. z,n,e	e	09 01 19					
7. z	eP	11 47 27					
7. z,e	epP	12 59 01	N-Chile	19.2S; 69.8W h= 89km	H=12:45:00.1(U)		
z,e	ePP	13 02 41					
7. z	iPKP ₁	14 21 01.8D 1.2/28					
z	iPKP ₂	21 06.6					
7. z	ePKP	15 59 32	Gebiet von Neu-Britannien	6.0S;150.6E h= 53km	H=15:40:40.0(U)		
z	e	59 40		5.8S;150.7E	15:40:38 (M)		
7. z	e(PP)	19 03 09	Nahe der Küste von	27.0S; 71.2W h= 28km	H=18:44:32.7(U)		
E	ePS	12 42	N-Chile	27.5S; 72.4W	18:44:28 (M)		
N,E	eLm	47					
V	eLm	50					
7. z	ePKP	19 54 59	Oster-Rücken	50.0S;113.9W h N	H=19:35:19.1(U)		
N,E,V	eLm	20 53					
8. z	eP	00 16 01	94°				
z	e	19 13					
E	eSKS	26 30	Samar, Philippinen	12.3N;125.6E h= 47km	H=00:02:46.4(U)		
N,E	eS	27 10		12.3N;125.6E	00:02:45 (M)		
N,E,V	eLm	59	t16 an1 ae0 av0.5				
V	eLm	01 04					
8. N,E,V	eLm	01 55	t19 an1 ae1 av1				
			Nahe der Küste von N-Chile				(U,M)
8. e	e	04 01 08	N-Italien	46.6N; 10.0E h N	H=03:58:31.3(U)		
z,n,e	eSg	01 25	oder: Graubünden, Schweiz				(W)
8. z,n,e	iP	04 15 39.5	1.1/40 / 1.4/24				
z,e	iPoP	15 45.9	N-Kolumbien	6.8N; 73.0W h=156km	H=04:03:34.5(U)		
z,e	epP	16 20		6.5N; 72.7W	04:03:21 (M)		
8. n,e	i	04 25 19.8					
z,n,e	i	25 22.7					
8. z	e	05 12 08					
8. z,n,e	e	05 15 13	Nachbeben Schweiz				(W)
8. z	eP	06 26 31	Spuren				
8. z,n,e	iP	10 11 35.7K 0.9/47 1.0/17 1.0/16					
z,n,e	ipP	11 46.6	h=37km	43.4N;146.4E h= 61km	H=09:59:45.8(U)		
			Kurilen	43.5N;146.6E	09:59:43 (M)		
8. z,n,e	e	12 55 37					
z,n,e	eSg	56 34					

Juli 1973

8. z,n,e z,e n	e eSg e	13 48 06 48 28 48 47	N-Italien	44.4N; 9.8E h N	H=13:44:31.7(U)
8. z	1P	13 49 58.3D	0.9/23		
8. z,e z	1P ipP	17 10 05.0K 10 11.9	1.5/27 / Leeward-Inseln	15.9N; 60.7W h= 19km	H=16:59:08.1(U)
8. z	1P	19 05 43.8	Naher der E-Küste von Kamtschatka	53.8N;160.4E h N 53.9N;160.5E	H=18:54:23.5(U) 18:54:24 (M)
8. z,n,e	1	21 06 27.1K	1.0/13 1.2/20 /		
8. z z	eP e	23 47 09 47 22	Kurilen	45.3N;148.3E h=121km	H=23:35:32.4(U)
9. z,e z,n,e z,n,e e z,n z,n,e,N,E,V	e(Pn) i(Pg) i i i iSg	00 28 19 28 39.8 29 25.0 29 37.6 29 49.2 29 54	550 km Schweiz	46.8N; 9.7E 46.8N; 9.8E h= 18km	H=00:27:06 (B) 00:27:02.9(U)
9. z,n,e z,n,e	1P i	02 15 27.7D 15 32.1	1.5/50 1.5/28 / Kamtschatka	54.5N;158.4E h=100km 54.5N;158.1E	H=02:04:21.4(U) 02:04:14 (M)
9. N,E,V	eLm	03 30	Bismarok-See		(U)
9. z,n,e z	1PKP i	11 21 59.1K 22 03.2	1.0/130 0.7/30 0.9/28 Tonga-Inseln	16.6S;174.8W h=236km 16.5S;175.6W	H=11:02:49.6(U) 11:02:27 (M)
9. z,n	e	14 01 11			
9. z z	ePg iSg	15 05 46 06 17.9	265km Spuren Sprengung 5.3t	9°14.66'N; 51°11.36'E	H=15:05:00.70(H)
9. z,n,e z,E,V e,E z,e,N,E,V N,E,V	1P epP eS eScS eLm	16 31 26.3K 31 37 40 56 41 27 17 08	1.5/78 / 1.4/23 Gebiet der Andamanen	10.7N; 92.6E h= 46km 10.6N; 92.6E 50	H=16:19:46.8(U) 16:19:47 (M)
9. z	1PKP ₁	21 46 35.9D	0.8/17 Gebiet der Fidschi-Inseln	21.5S;177.9W h=463km	H=21:27:39.2(U)
10. z,n,e z,n	1P ePn	01 34 36.9K 36 07	0.7/70 0.7/23 0.9/38 Unterirdische Kernexplosion, Gebiet von Semipala- tinsk, Kasachische SSR	49.8N; 78.1E h= 0km	H=01:26:57.6(U)
10. z,V z,n,e z,V z N,E,V	ePKIKP e(PKP ₁) e e(PKJKP) eLm	04 21 55 22 03 23 49 31 44 05 33	S-lich der Fidschi-Inseln	24.1S;177.4W h=118km 24.2S;177.3W	H=04:02:18.5(U) 04:02:04 (M)
10. z	e	04 41 45			



Juli 1973

10. z,V z,n,e n,N z z,n,E z e z N,E,V	ePKIKP 1PKP ₁ ePKP ₂ i i epPKP ₂ e e eLm	07 19 21 19 28.1 19 33 19 37.1 19 41.8 20 02 20 52 23 39 08 25	1.8/32 151.5° S-lich der Fidschi-Inseln	24.1S;177.3W h=103km 23.8S;176.8W	H=06:59:43.7(U) 06:59:31 (M)
10. z z	eP e	07 43 58 46 00			
10. z z	eP i	08 12 37 12 44.4			
10. z z	eP e	08 44 18 46 21	Vor der E-Küste von Kamtschatka	51.8N;159.3E h N	H=08:32:47.8(U)
10. z z	eP e	09 01 50 01 58			
10. z	eP	09 21 08	Vor der E-Küste von Kamtschatka	51.7N;159.4E h= 31km 51.8N;158.9E	H=09:09:37.1(U) 09:09:40 (M)
10. z	e	11 51 11			
10. z	eP	13 03 15			
10. E N,E,V	ePS eLm	15 34.2 16 11	Naher der Küste von N-Chile	27.1S; 71.2W h= 22km 27.6S; 70.2W	H=15:06:00.4(U) 15:06:04 (M)
10. z	eP	16 40 10			
10. z	epP	17 55 18	Kurilen	43.6N;146.6E h= 44km	H=17:43:15.5(U)
10. z,n,e	e	18 35 32			
10. z,n,e z z	1P ipP ePP	23 37 43.1K 37 52.1 40 55	1.4/48 1.4/21 / Vor der E-Küste von Hondo, Japan	37.5N;142.5E h= 45km 37.9N;142.3E 25	H=23:25:31.2(U) 23:25:31 (M)
11. z,n,e z z	1PKP ₁ 1PKP ₂ epPKP	02 27 15.7K 27 24.3 29 26.9	1.0/40 1.1/16 0.8/14		
11. z	eP	05 28 25	1.0/13 Kurilen	43.2N;146.3E h= 55km	H=05:16:34.7(U)
11. z z	eP ePP	06 11 20 15 36	Molukken-See	0.1S;125.0E h N 0.2S;124.9E	H=05:57:20.0(U) 05:57:20 (M)
11. z,n	e	07 59 40			
11. z z	1PKP ₁ 1PKP ₂	08 24 26.2D 24 38.0	0.9/19 S-lich der Fidschi-Inseln	25.3S;178.3E h=627km	H=08:05:38.8(U)
11. z,n,e	e	08 55 30	Nahbeben		(W)
11. z	e	11 07 31			
11. z z N,E	eP ePP eLm	14 41 22 44 47 15 20	S-lich Hondo, Japan	30.8N;142.1E h= 45km 31.4N;142.0E	H=14:28:40.6(U) 14:28:42 (M)

Date	Time	Location	Coordinates	Depth	Magnitude
11. z	22 31 12.6D	Straße von Taiwan	25.0N; 120.6E		H=22:18:59 (M)
11. z	23 07 24	Tonga-Inseln	15.28; 173.9W	h N	H=22:47:49.1(U)
11. z,n	23 17 11				
11. z	23 35 09	Andreanow-Inseln, Aleuten	52.0N; 176.1W	h= 63km	H=23:23:11.7(U)
z	35 19.1		51.3N; 175.6W		23:23:03 (M)
12. z,n	02 03 35				
12. z	02 11 00	Gebiet des Chagos-Archipel	5.3S; 68.6E	h N	H=01:59:28.7(U)
z	11 07.7		9.4S; 69.1E	h= 20km	01:58:57 (M)
12. z	02 32 36				
12. z	08 02 48.3K	1.6/24 Nahe-Inseln, Aleuten	52.2N; 174.2E	h= 47km	H=07:51:07.9(U)
z	03 22		52.1N; 174.1E		07:51:05 (M)
12. z,n,e	08 08 11.4K	1.1/43 1.2/17 1.0/13			
z	08 24				
z	08 31.8	Vor der Küste von Hokkaido, Japan	42.7N; 146.8E	h= 21km	H=07:56:12.8(U)
N,E	45		43.0N; 146.8E		07:56:16 (M)
12. z	10 36 02				
12. z	14 02 46	Nahe der Küste von N-Chile	27.1S; 71.2W	h= 20km	H=13:45:30.3(U)
N,E	10 32		27.5S; 71.8W		13:45:33 (M)
N,E	13 34				
N,E,V	43				
N,E,V	51	t17 an1.5 ae1 av2			
12. z	15 58 35	Nahe der Küste von N-Chile	27.2S; 71.5W	h= 15km	H=15:41:39.3(U)
z	16 00 37		27.3S; 71.8W		15:41:38 (M)
E	06 44				
N,E	09.9				
N,E,V	41	t19 an2.5 ae0.5 av2			
12. z	16 07 04	Nahe der Küste von N-Chile	27.1S; 71.2W	h= 33km	H=15:48:38.8(U)
			27.6S; 71.5W		15:48:40 (M)
12. z	21 42 14				
13. z	00 38 35	Gebiet der Kermadec-Inseln	27.5S; 176.8W	h= 35km	H=00:18:34.4(U)
z,n,e	39 02				
N,E,V	01 55				
13. z,n,e	03 11 19	1.8/50 / 1.7/22			
N,E,V	46	Gebiet der Vancouver-Insel	49.0N; 128.0W	h N	H=02:59:39.1(U)
			49.7N; 128.4W		02:59:42 (M)
13. z,n,e	09 00 23.8	Sprengung 8.3t	50.60°N; 14.16°E		(D)
13. z	10 11 18.3K	1.0/12 Iran	38.5N; 49.5E		H=10:05:25 (B)
z,e	11 26		38.5N; 49.5E	h N	10:05:24.7(U)
			38.4N; 49.3E		10:05:24 (M)
13. z	13 51 30	Kurilen	43.7N; 147.2E	h= 60km	H=13:39:39.4(U)
			43.4N; 147.7E		13:39:35 (M)
13. z,n,e	16 16 37				

Date	Time	Location	Coordinates	Depth	Magnitude
13. z,n,e	21 30 28				
13. z	22 12 12	Spuren, E-Kaschmir	33.1N; 75.5E	h= 52km	H=22:03:38.7(U)
			33.2N; 75.8E		22:03:37 (M)
14. z	00 16 14	Kurilen	44.1N; 149.6E		H=00:04:19 (M)
14. z	01 11 17	Spuren			
14. z	01 27 39	Kurilen	44.3N; 146.2E		H=01:15:43 (M)
14. z,n	02 05 06				
14. z,n,e	04 40 25				
14. z,n,e,N,E,V	05 00 41	D,E 2.0/425 / /			
z,n,e	00 47	t13 an1.1 ae2.3 av3.6			
n,e	01 24	2.0/540 1.5/110 2.2/360			
z	01 53	54°			
N,E,V	02 53	t17 an2 ae3.7 av4.9			
z,n,e	03 42				
N,E,V,AN,AE	08 15	t15 an9.4 ae14.8			
N,E,V	12.0				
N,E	23	t15 an(165) ae80			
N,E,V	27	t13 an(81) ae(140) av115			
N,E,V	08 30	MPH ₁ =6.4 MPV ₁ =6.3 MPPH ₁ =6.3			
		MPPV ₁ =6.3 MSH=6.7 MLH=7.3	35.2N; 86.5E	h N	H=04:51:21.0(U)
		Tibet	35.2N; 86.5E		04:51:16 (M)
14. z	08 23 17	Tibet	35.4N; 86.7E		H=08:13:49 (M)
14. z	09 10 42				
14. z	11 18 55				
14. z	12 41 44				
z,n,e	41 50	1.7/68 1.9/56 2.0/35			
N,E	44 46				
N,E,V	48	t11 an2 ae0.5 av2	37.8N; 21.2E		H=12:38:19 (B)
		W-lich des Peloponnes, Griechenland	37.9N; 21.1E	h= 36km	12:38:18.3(U)
			38.0N; 21.0E		12:38:17 (M)
14. z,n,e,N,E,V	13 48 50.3D	S,E 2.2/460 2.2/130 2.4/310			
V	50 51	54° MLH=6.0			
n,e,N,E	56 28				
N,E	14 00.9	Tibet	35.3N; 86.6E	h N	H=13:39:30.0(U)
N,E	11	t15 an5 ae2.5	35.3N; 86.7E		13:39:26 (M)
N,E,V	16	t13 an5.5 ae7.5 av9.5			
N,E,V	15				
14. z	15 55 53				
14. z	21 58 19	Spuren, Taiwan	21.9N; 121.9E		H=21:45:47 (M)
15. z	01 31 26	Gebiet der Kermadec-Inseln	27.8S; 177.1W	h=230km	H=01:11:48.4(U)
z	31 43		28.0S; 176.1W		01:11:25 (M)
15. z	03 14 12	Spuren, Bergschlag Oberschlesien, Polen			(P)
15. z	08 51 33				
n,e	51 50				
z	53 47				

Julii 1973

15. z	z	e	13 06 32 06 46	Gebiet der Kermadec-Inseln	28.08;176.4W h= 69km H=12:46:31.4(U) 28.08;176.1W 12:46:27 (M)
15. z,n,e	z	z,n	14 18 41.3K,S,W 18 52 18 56.2	1.0/110 0.9/29 0.9/35 Kurilen	43.4N;146.5E h= 43km H=14:06:49.8(U) 44.2N;145.8E 14:06:54 (M)
15. z		e	16 50 17	Spuren	
15. z	z	eFKP ₁ iFKP ₂	18 50 17 50 33.2	Gebiet der Kermadec-Inseln	28.08;176.4W h= 63km H=18:30:19.4(U) 28.08;175.8W 18:30:10 (M)
15. z,n		e	22 15 26		
16. N,E,V		eIm	05 16	Gebiet der Dentrecasteaux-Inseln	(U,M)
16. z,e		eP	08 55 43	S-lich der Sumbawa-Insel	10.1S;117.2E h N H=08:41:24.6(U) 10.3S;117.3E 08:41:24 (M)
16. z		e	14 12 31		
16. z	z,n	e	16 04 18 04 24		
16. z,n,e	z	z,e,N,E,V	18 25 56.4 26 26.9 29 28 36 38 37 10 37 43 38 10 19 08	90° MLH=5.7 Guerrero, Mexiko	17.3N;100.7W h= 44km H=18:12:57.5(U) 17.9N;100.7W 18:12:59 (M)
16. z,n,e	z	z	19 55 02.3D 55 08.1 56 05.2 57 45 20 22	1.7/64 / 2.0/68 Tibet	35.1N; 86.4E h= 15km H=19:45:38.3(U) 35.3N; 86.4E 19:45:43 (M)
16. z	z	e	20 56 34.2D 57 13	1.3/15 Nahe der E-Küste von Kamtschatka	55.1N;161.0E h= 81km H=20:45:26.4(U) 55.2N;161.9E 50 20:45:21 (M)
16. z		e	21 53 29	Spuren	
16. z		eFKP ₁ i	22 53 45 54 29.4	Gebiet der Kermadec-Inseln	28.3S;176.6W h= 89km H=22:33:50.5(U)
17. z	z	iFKP ₁ iFKP ₂	22 03 52.1D 03 56.6	0.9/15	
17. z		e	22 06 53	Bergschlag Oberschlesien, Polen	(P)
17. z,n,e		e	22 21 46		
18. z		e	02 30 19	Spuren	
18. z		e	03 14 45		

Julii 1973

18. z	z	eP ipP eL	04 06 30 06 37.7 48	Luzon, Philippinen	14.9N;119.9E h= 56km H=03:53:41.2(U) 15.0N;120.0E 03:53:39 (M)
18. z,n		eP	10 01 50		
18. z	z	eP i z,e,V e,N,E n,e,N,E N,E,V	15 34 49 38 02.8 38 50 45 15 46 08 16 17	1.4/20 99° N-Chile	18.4S; 69.2W h=151km H=15:21:23.0(U)
18. z		iFKP ₁	18 00 18.7D	1.8/42 Gebiet der Fidisch-Inseln	21.4S;179.0W h=633km H=17:41:39.5(U)
19. z		e	01 43 11		
19. z		eP	02 33 03	Kurilen.	43.5N;146.8E h= 68km H=02:21:14.8(U) 43.9N;146.8E 75 02:21:17 (M)
19. z		e(P)	03 35 34		
19. z		eP	04 18 11	Kurilen	43.2N;146.4E h= 66km H=04:06:21.6(U) 43.5N;146.4E 65 04:06:22 (M)
19. z,n,e,N,V	z	iFKP i	06 03 00.0 05 48.8	1.3/520 / 1.1/90 Gebiet der Fidisch-Inseln	18.4S;178.3W h=571km H=05:44:25.6(U) 19.1S;177.5W 05:43:23 (M)
19. z		eP	07 26 12	Nahe-Inseln, Aleuten	52.7N;172.1E h= 46km H=07:14:35.3(U) 52.3N;172.6E 07:14:31 (M)
19. z		e	10 17 18	Spuren	
19. z		e	10 52 28		
19. z		iP	13 27 21.9D	Kurilen	43.2N;146.8E h= 50km H=13:15:29.5(U)
19. z	z	e	17 01 37 04 23		
19. z		eP	19 33 45	Norwegisches Meer	71.8N; 10.6E h N H=19:29:07 (B) 73.8N; 8.6E 19:28:43.7(U) 72.7N; 11.7E 19:28:57 (M)
19. z		iFKP ₁	21 41 46.6	Tonga-Inseln	19.6S;175.1W h=133km H=21:22:16.5(U)
20. N,E		eIm	04 48		
20. z		eFKP ₁	06 52 54	Gebiet der Tonga-Inseln	22.3S;174.0W h N H=06:33:04.4(U)
20. z		e	08 09 41		
20. z	z	eFKP ₁ eFKP ₂	08 21 09 21 23	1.6/35 W-lich der Macquarie-Insel	56.3S;146.9E h N H=08:01:16.7(U)
20. z,n,e,E,N,V	z	iP isP ePP eS	08 25 06.8K,S,W 25 24.4 28 11 35 38	1.3/135 1.7/58 1.1/40 81.5° MLH=6.1 Nahe der E-Küste von Hondo, Japan	36.4N;141.0E h= 46km H=08:12:53.5(U) 37.2N;140.6E 50 08:12:59 (M)



Julii 1973

Fortsetzung

Code	Time	Location	Coordinates	Depth	Time	Code
N,E	08 56				t16 an4.5 ae3.5 av7	
N,E,V	09 04				t19 an6 ae3 av7	
N,E,V	08					
F	10 30					
20. z	11 10 31					
20. z,n,e	12 44 21.2	Sprengung				
z,N,E,V	44 23.8					
20. N,E	14,06					
20. N,E	14 48					
20. z,n	15 36 41					
20. z,n	19 04 45					
20. z	20 01 29	Grönländisches Meer	79.7N; 4.7E	h N	H=19:55:33.6(U)	
20. z,n,e	23 33 47.3	1.8/39 1.6/21				
z	36 13					
N,E	38 50	W-lich Spitzbergen	79.9N; 2.0E		H=23:27:48 (B)	
N,E	23 46		80.0N; 0.2E	h N	23:27:48.3(U)	
			80.1N; 0.1W		23:27:42 (M)	
20. z	23 54 07	Kurilen	43.0N; 146.2E	h N	H=23:42:02.1(U)	
z	54 25					
21. z	01 31 05	Spuren, Gebiet von Hokkaido, Japan	41.4N; 142.8E	h = 34km	H=01:18:52.7(U)	
			42.6N; 142.5E		01:19:02 (M)	
21. z	02 51 09	Norwegisches Meer	73°N; 8°E		H=02:46:20 (B)	
21. z,n,e,V	04 38 17.3	1.7/240 1.8/58 1.5/33				
z,n,e,N,E	38 24.9	/ 0.8/220 0.7/280				
z,n,e,N	38 35.8	152°				
z	40 09.7					
n,e,N	42 03.2	S-lich der Fidschi-Inseln	24.8S; 179.2W	h=411km	H=04:19:17.1(U)	
N	48 18		24.8S; 179.5W	450	04:19:22 (M)	
N,E	54 38					
E	05 01.0					
	03.8					
21. z,e	05 35 24	D Provinz Tsinghai, China	35.5N; 96.1E	h N	H=05:25:25.0(U)	
z,e	35 27.9		35.6N; 96.1E		05:25:25 (M)	
21. z	08 07 20	Kreta	35.0N; 24.6E	h = 5km	H=08:03:01.5(U)	
21. z	10 44 11					
21. z	11 59 06.8K	1.1/12				
z	59 21	Gebiet der Philippinen	20.0N; 121.4E	h = 72km	H=11:46:34.9(U)	
			20.2N; 121.6E		11:46:32 (M)	
21. z	12 10 23	Peloponnes, Griechenland	37.4N; 22.4E		H=12:06:41 (G)	
N,E	41					
21. z,n	12 56 10	1.6/27 /				
z	56 42	Mittelmeer, Nahe der S-Küste von Kreta	34.9N; 24.8E		H=12:51:53 (B)	
N,E	13 03		35.0N; 24.8E	h N	12:51:55.7(U)	
			34.5N; 24.5E		12:51:52 (M)	
21. z	13 21 39	Gebiet der Philippinen	19.8N; 120.7E	h = 70km	H=13:09:08.8(U)	
			20.7N; 121.6E		13:09:07 (M)	

Julii 1973

21. z	19 32 19.OK	S-lich der Fidschi-Inseln	22.18; 179.4W	h=598km	H=19:13:36.2(U)
z	32 25.3				
21. z	19 59 26	Tibet	35.1N; 86.4E	h N	H=19:50:06.3(U)
N,E,V	20 25		35.2N; 86.6E		19:50:07 (M)
21. z,n	21 25 24				
22. z	01 49 44	Nahe der E-Küste von Hondo, Japan	36.5N; 140.6E	h = 62km	H=01:37:33.5(U)
22. z	02 56 14	Gebiet der S-Sandwich-Inseln	55.7S; 28.3W	h = 70km	H=02:36:54.7(U)
N,E,V	03 35				
22. z	05 42 35	S-lich Hondo, Japan	34.2N; 136.9E	h=357km	H=05:30:55.8(U)
22. z	15 30 49	Gebiet der Kermadec-Inseln	30.5S; 179.3W	h=261km	H=15:11:25.6(U)
z	31 01				
z,n,e	31 23.2K	1.3/50 / /			
22. z	21 08 35	Vogesen, Frankreich	48°20'N; 6°31'E		H=21:06:58 (B)
z,n,e	09 43		48.4N; 6.4E	h = 12km	21:06:56.8(U)
22. z	21 52 28	S-lich der Fidschi-Inseln	22.5S; 179.5W	h=595km	H=21:33:44.5(U)
23. z,n,e,N,E,V	01 30 39.9K	S,W 0.8/640 1.0/250 1.0/320			
		t1.5 an0.4 ae0.6 av1.0			
		40°			
z,e,N,E,V	32 09	t5 an1 ae1			
N,E	44.6	t12 an1 ae1 av1			
N,E,V	47.7	MPV _k =6.3 MPH _k =6.2 MPH ₁ =6.3			
	02 10	MPV ₁ =6.2 MLH=5.0			
		Unterirdische Kernexploration, Gebiet von Semipalatinsk, Kasachische SSR	50.1N; 79.2E		H=01:23:00 (B)
			50.0N; 78.9E	h = 0km	01:22:57.8(U)
23. z	05 43 57	Spuren			
23. z,n	10 14 26	1.7/62 /			
z	17 37				
N,E,V	56	t16 an2 ae1 av1.5	24.1N; 122.3E	h = 42km	H=10:02:05.2(U)
		Gebiet von Taiwan	24.3N; 122.6E		10:02:04 (M)
23. z	11 37 10				
z,n,e	37 15				
z	37 24				
23. z,n	12 45 12				
23. z	14 43 50.3	1.2/15			
23. z,n,e	14 46 29.1K	1.3/77 1.4/18 1.1/26	21.8N; 121.3E	h = 73km	H=14:34:05.0(U)
z	46 39	Gebiet von Taiwan	22.3N; 121.5E		14:34:03 (M)
23. z	15 41 01	Gebiet der Aleuten	50.7N; 171.6W	h N	H=15:28:59.9(U)
23. z	19 02 44.4	0.8/13	52.3N; 174.8W	h = 84km	H=18:51:02.3(U)
		Andreanow-Inseln, Aleuten	51.1N; 174.8W		18:50:50 (M)
23. N,E,V	21 32				

Jul 1 1973

23. z,n,e	ePn ePg iSn e e z,n e iSg i eIm	23 26 55 27 29 28 16.5 28 35 28 52 29 03 29 13.1 29 18.0 30.2	800 km Vor der italienischen Adriaküste	44.0N; 12.8E 44.1N; 12.7E h N	H=23:25:10 (B) 23:25:10.8(U)
24. z	ePg e eSg	00 48 08 49 05 49 14	Grenzgebiet Schweiz-Öster- reich-Liechtenstein	47.2N; 9.6E h N	H=00:46:38.1(U)
24. z,n,e	e	04 49 09			
24. z,n,e	e	05 01			
24. z	e	05 04 14			
24. z,n	e	07 15 57			
24. z,n	ePKP ₁ iPKP ₂ i e e(pPKP ₂)	08 14 24 14 50.4D 14 58.4 15 43 16 48	4D,S,W 1.1/86 0.6/23 1.1/28 Gebiet der Kermadec-Inseln	31.5S; 179.6E h=429km 32.0S; 175.5W	H=07:55:08.2(U) 07:54:15 (M)
24. z	e	13 16 05			
24. z	eP e	15 02 13 02 30	1.4/21 Kurilen	43.2N; 146.3E h= 58km 43.0N; 146.3E	H=14:50:22.5(U) 14:50:19 (M)
24. z	iPg eSg eL	18 38 56.9 39 12 39 27	W-Böhmen, CSSR		(C)
24. z	iPg eSg eL	18 40 34.9 40 50 41 04	W-Böhmen, CSSR		(C)
24. z	ePg eSg eL	18 42 12 42 27 42 42	W-Böhmen, CSSR		(C)
24. z	eP	20 14 27	S-atlantischer Rücken	12.3S; 18.5W	H=20:03:17 (M)
24. z	iPKP iPP epPP eIm	20 22 01.4D 22 32.2 22 50 21 09	1.6/22 Nahe der Küste von Mittelchile	30.5S; 71.6W h= 60km 30.9S; 79.1W 50	H=20:03:35.3(U) 20:03:35 (M)
24. z,n	e	22 45 52			
25. z	e	04 21 47 21 58	Bergschlag Oberschlesien, Polen		(P)
25. z,e	ePKP ePP e ePKS e eSS eIm eL P	06 27 42 30 00 30 20 31 06 31 18 47.4 07 20 08 30	1.6/35 / Salomonen	8.7S; 160.7E h= 69km 7.9S; 160.5E	H=06:08:38.7(U) 06:08:39 (M)

Jul 1 1973

25. z	ePKP	06 59 14	Salomonen	8.7S; 160.8E h= 77km 8.7S; 160.7E	H=06:40:09.3(U) 06:40:05 (M)
25. z,n,e	e	10 58 47			
25. z,e	e	12 12 49			
25. z	e	15 13 38			
25. z,n,e	e	16 12 48	2.0/29 / /		
25. z	eP e	19 29 06 29 15	NW-Pazifik	46.4N; 161.4E	H=19:17:01.9(P)
25. z,e	iP ipP e ePP eIm	20 12 13.8D 12 22.8 15 06 16 02 59	1.7/27 / Samar, Philippinen	12.2N; 125.8E h N 12.1N; 125.9E	H=19:58:55.8(U) 19:58:50 (M)
25. z,n,e	e	20 45 27			
25. z	eP	21 21 45	Spuren, Samar, Philippinen	12.0N; 125.4E h N 12.2N; 125.9E	H=21:08:28.1(U) 21:08:27 (M)
25. z	eP	22 26 10	Gebiet der Kurilen	46.3N; 146.9E	H=22:14:28.6(P)
25. z	e	23 30 22	Spuren		
26. z	ePKP	11 14 17	Gebiet von Neu-Irland	5.1S; 153.3E h= 75km 4.8S; 153.4E	H=10:55:24.8(U) 10:55:23 (M)
26. z	iPKP ₁	13 59 02.4K	1.2/12 W-lich der Macquarie - Insel	52.8S; 140.0E h N	H=13:39:15.8(U)
26. z	iPg i	15 05 38.7 06 10.2	225km Spuren Sprengung 8.5t	50°32.55'N; 10°02.31'E	H=15:05:00.62(H)
26. z,n,e	e	15 44 10			
26. z	e	17 28 40	Nahbeben		(W)
26. z	epP	19 37 26	Gebiet der Andamanen	10.4N; 94.3E h N 9.6N; 94.0E	H=19:25:25.1(U) 19:25:23 (M)
26. z,e	eP i e	20 18 20 K 18 26.1 21 27	2.1/46 / Gebiet der Andamanen	10.5N; 93.9E h N 10.2N; 94.1E	H=20:06:33.2(U) 20:06:32 (M)
27. z	e	00 11 47	Spuren		
27. z	e	01 45 51	Spuren		
27. z	iP	07 40 31.0	1.0/13		
27. z	ePKP	07 53 54	Salomonen	7.3S; 154.5E h= 38km 7.2S; 154.6E	H=07:34:53.6(U) 07:34:53 (M)
27. z	ePn ePg e eSg	10 03 10 03 26 04 10 04 14	430 km Bergschlag, Ruhrgebiet	51.7N; 6.8E h= 1km	H=10:02:09.1(U)
27. z	e	13 02 52	Spuren		

Date	Time	Location	Coordinates	Depth	Magnitude	Notes
27. z	15 04 30.2K	Nähe der E-Küste von Hondo, Japan	36.2N; 140.0E	h= 81km	H=14:52:22.3(U)	
27. z	15 52 44.9D		36.5N; 139.7E		14:52:20 (M)	
27. z	16 28 04	Neue Hebriden	17.28; 167.8E	h= 15km	H=16:08:32.6(U)	
27. z	17 05 58	S-lich Java	9.08; 106.9E	h= 61km	H=16:48:13.1(U)	
27. z,n,e	19 32 43.8D	Kurilen	43.6N; 146.8E	h= 62km	H=19:20:54.5(U)	
27. z,n,V	19 46 13	Tonga-Inseln	15.58; 173.1W	h N	H=19:26:41.9(U)	
27. z,e,V	19 55 07	86° h=190km				
z,n,e,E,V	55 55.9	2.8/360 / 2.6/165				
z	56 16	Nikaragua	12.8N; 86.7W	h=199km	H=19:42:47.9(U)	
z	58 23		13.2N; 86.8W		19:42:30 (M)	
z,e	58 36					
E	20 05 24					
N,E	06 50					
E	07 40					
N,E,V	51	t20 an1.5 ae1 av1				
27. z,n,e	20 34 36.3	1.1/30 / 1.1/17	23.3N; 94.5E	h= 79km	H=20:23:50.7(U)	
z	35 03	Grenzgebiet Burma-Indien	23.0N; 94.7E		20:23:44 (M)	
27. z,n	22 09 28					
27. z	22 30 28	Spuren, N-Iran	38.5N; 46.7E		H=22:24:49 (M)	
27. z	23 08 58					
27. z	23 55 42	Salomonen	6.8S; 155.0E	h= 75km	H=23:36:46.7(U)	
28. z	03 46 23					
28. z	03 52 52					
28. z	03 53 10	Vor der E-Küste von Hondo, Japan	40.9N; 143.2E	h= 38km	H=03:41:12.8(U)	
z	53 31		41.1N; 143.4E		03:41:12 (M)	
N,E	04 26	t17 an1 ae1.5				
V	30	t19 av1.5				
28. z,n	04 21 42	1.5/43 /				
z	21 56	S-lich der Kermadec-Inseln	32.4S; 178.2W	h N	H=04:01:09.9(U)	
28. z	04 32 33	Gebiet von Hokkaido, Japan	43.1N; 145.6E	h= 79km	H=04:20:44.3(U)	
28. z	09 44 17					
28. z,n,e	10 58 47.3	110 km Spuren Sprengung 10.0t	50.29°N; 12.59°E		(0)	
z,n,e	59 02					
28. z,n	12 01 03	Spuren				
28. z,e	12 06 18					

Date	Time	Location	Coordinates	Depth	Magnitude	Notes
28. z	14 01 35					
28. z,n,e	14 40 42.1K	1.2/65 1.0/24 0.8/18				
z,e	40 52	78° MLH=5.7				
n,e	50 34					
N,E,V	15 18	t18 an3 ae1 av2.5				
	16	Vor der E-Küste von Hondo, Japan	40.9N; 143.1E	h= 37km	H=14:28:44.4(U)	
			41.5N; 143.0E		14:28:46 (M)	
28. z,n,e	18 06 00.0	84° MLH=6.0				
z	06 04.4	1.1/76				
z,n,e	06 14	Gebiet von Taiwan	22.1N; 121.5E	h N	H=17:53:32.3(U)	
z,n,e	08 18		22.3N; 121.6E		17:53:32 (M)	
z,n	09 17					
n,e,N,E	16 29					
N,E,V	48	t14 an3.5 ae1.5 av5				
28. z	18 33 45					
28. z,n,e	18 59 40	1.4/23 / /	36.1N; 31.4E	h= 70km	H=18:55:13 (U)	
z,n,e	59 55	Golf von Antalya, Türkei	36.1N; 31.4E	70	18:55:10.8(U)	
z	19 03 05		35.7N; 31.1E		18:55:05 (M)	
28. z,n,e	19 34 31.2	0.8/38 / /				
z	37 54	Gebiet der Fidzhi-Inseln	18.98; 178.2W	h=515km	H=19:15:46.4(U)	
28. z	20 09 51	SE-liches Alaska	58.0N; 137.9W	h= 10km	H=19:58:47.1(U)	
			61.6N; 137.0W		19:59:12 (M)	
28. z,n,e,N,E,V	20 17 00.6	72° h=640km				
z,N,V	19 07	Ochotskisches Meer	50.5N; 148.8E	h=592km	H=20:06:36.0(U)	
z	21 38.0		50.4N; 149.1E	600	20:06:35 (M)	
z	22 53					
n	23 12					
n,e,N	25 34.8					
z	26 02					
e	27 32					
N	30 39					
N,E,V	35					
28. z	21 01 02	Nähe der Küste von Nikaragua	12.3N; 87.1W	h= 79km	H=20:48:24.7(U)	
z	01 29					
28. z	22 26 34	Spuren, S-lich Hondo, Japan	33.5N; 140.3E	h= 89km	H=22:14:13.3(U)	
28. z,e	22 31 44.8D	1.8/70 1.7/25				
		S-Peru	16.1S; 71.3W	h=110km	H=22:18:14.9(U)	
			16.1S; 71.1W		22:18:07 (M)	
29. z	01 24 30	Zentraler Mittelatlantischer Rücken	1.1S; 24.7W	h N	H=01:14:17.3(U)	
z	25 14					
29. z,n	01 45 50.8D	1.6/39 /				
z	03 33 00					
z	33 17					
29. z	03 39 21	S-lich Panama	4.8N; 82.6W	h N	H=03:26:22.3(U)	
29. z	04 56 36.8K	0.7/23				
		Gebiet der Kurilen	47.6N; 151.4E		H=04:44:53.6(U)	

August 1973

1. z,v	e(PKHKP)	01 50 19	137.5°	
z,n,e,N,E	i	50 22.7	MLH=6.7 (nicht tiefenkorrigiert)	
z,n,e,N,E,V	ePKIKP	50 33	T1.2 A900 / /	
			t8 av11.4	
z,v	epKIKP	51 23	Neue Hebriden	14.38;167.3E h=200km H=01:31:30.9(U)
z,e,N,E,V	ePP	53 17		14.28;167.1E 170 H=01:31:28 (M)
z	iSKP	53 50.8		
v	e	54 01		
n,e,N,E	ePKS	54 07.2		
N	epPKS	54 56		
N,N	ePP	56 23		
N,E	eSKKS	02 06.6		
N,E	e	13		
N,E,V	eLm	41	t22 an8.5 ae12.5 av8.5	
	F	04 30		
1. z	eP	02 26 36		
1. z	e	02 44 39		
z	e	49 38		
1. z	e	11 03 17	Spuren	
1. z,n,e	e	13 00 18		
1. z	e	14 15 22	Tibet	29.6N; 89.1E h= 71km H=14:05:16.2(U)
z	e(pP)	15 36		29.5N; 89.2E 60 14:05:15 (M)
z	e	17 51		
1. z	ePP	16 03 08	Vor der Küste von	26.88; 71.0W h= 16km H=15:44:25.5(U)
E	eSKS	09 32	N-Chile	27.28; 72.0W 15:44:29 (M)
N,E	ePS	12 35		
N,E,V	eLm	49	t18 an1.5 ae2 av2	
1. z	iP	18 08 35.4D	T1.0 A12	
			Naher der E-Küste	37.1N;141.6E h= 48km H=17:56:23.4(U)
			von Hondo, Japan	37.2N;141.5E 17:56:22 (M)
1. z	eP	18 47 32	Grönland	72.6N; 32.2W H=18:41:58.7(P)
			oder: Kamtschatka	(S)
1. z,n,e	e	19 26 26		
1. z	eP	20 00 21	Spuren, N-Anatolien,	40.8N; 34.8E H=19:56:07 (B)
			Türkei	40.9N; 34.6E h= 19km 19:56:08.5(U)
				40.9N; 34.6E 19:56:11 (M)
1. z	e	21 44 05	Spuren, Provinz	30.9N;101.1E h N H=21:33:12.3(U)
			Szetschuan, China	30.7N;101.4E 21:33:12 (M)
1. n	e	22 57 44		
2. z,n	e	00 38 27		
2. z,n,e	e	00 54 15		
2. z,n	e	02 16 11		
2. z	eP	07 24 09	1.2/15	
			Naher der E-Küste von	52.6N;158.8E h N H=07:12:44.5(U)
			Kamtschatka	
2. z	eP	08 55 33		

August 1973

2. z,n,e	eP	09 09 23	1.4/46 / /	27.8N;104.5E h N H=08:58:15.1(U)
N,E,V	eLm	41	Provinz Junnan, China	27.5N;104.8E 08:58:13 (M)
2. n	e	13 57 27	Bergschlag Oberschlesien,	(P)
z,n,e	i	57 32.1	Polen	
2. z	e	15 37 03		
2. z,n,e	i	16 33 01.6		
z,n,e	eL	33 30		
2. z,n,e	eP	20 03 05	T1.6 A38 / /	37.3N; 56.8E H=19:56:27 (B)
z,n,e	ePP	04 18	Iran	37.3N; 56.5E h= 36km 19:56:26.6(U)
N	eLm	16		37.3N; 56.6E 19:56:25 (M)
E,V	eLm	19		
2. z,e	eP	20 35 36	1.3/15 /	37.1N; 56.8E H=20:29:00 (B)
z	ePP	36 47	Iran	37.3N; 56.5E h= 34km 20:28:55.7(U)
				37.4N; 56.7E 20:28:56 (M)
2. z	e	23 31 23		
z	e	32 33		
2. z,n,e	e	23 57 06		
3. z,n,e	iP	04 08 40.7K	1.0/29 / /	53.2N;169.8W h=124km H=03:57:06.8(U)
			Fuchs-Inseln, Aleuten	
3. z,n,e	e	05 40 49		
3. z	eP	06 38 20	Gebiet von	42.5N;145.7E h= 45km H=06:26:25.4(U)
z	iP	38 31.0	Hokkaido, Japan	42.8N;145.6E 06:26:26 (M)
N,E,V	eLm	07 16		
3. z	e	11 32 18		
3. z	e	11 35 48		
3. z	eP	13 54 18	Kurilen	43.5N;146.2E h= 68km H=13:42:28.9(U)
3. z	e	14 44 55		
3. z,n,e	iP	15 55 50.4D	1.5/51 / 1.4/32	20.0N; 73.1W h= 37km H=15:44:26.9(U)
z	e	57 10	Gebiet von Haiti	21.5N; 73.3W 15:44:33 (M)
3. z,n,e,N,V	iP	17 35 14.2K	2.0/155 2.1/110 2.1/53	
z,n	epP	35 27	(teilweise im Streifenwechsel)	
N,E	eS	44 35		
N,E,V	eLm	18 12.2	t15 an3 ae1 av3	54.8N;162.4E h= 28km H=17:23:57.0(U)
			Naher der E-Küste	54.8N;162.0E 17:23:58 (M)
			von Kamtschatka	
3. z	eP	17 43 01	1.2/24	
			Naher der E-Küste	54.8N;162.4E h N H=17:31:42.8(U)
			von Kamtschatka	
3. z,n,e	iP	17 46 38	K 1.5/24 / /	54.7N;162.4E h N H=17:35:20.4(U)
			Naher der E-Küste	53.4N;164.6E 17:35:10 (M)
			von Kamtschatka	

August 1973

3. z	eP	17 57 41	Nahe der E-Küste von Kamtschatka	54.6N; 162.0E h N	H=17:46:22.7(U)
3. z	e(P) epP eSKPKP eLm	19 25 04 25 16 54 17 20 04	1.0/14 Kurilen	43.0N; 147.6E h= 53km 44.0N; 147.0E	H=19:13:05.1(U) 19:13:07 (M)
3. z,n,e	e	21 03 30			
3. z	e	22 39 50	Vor der E-Küste von Hokkaido, Japan	42.7N; 157.7E h= 56km	H=22:27:33.3(U)
3. z	eP	23 30 37	Nahe der E-Küste von Kamtschatka	54.8N; 162.4E h N 54.3N; 163.5E	H=23:19:18.8(U) 23:19:14 (M)
4. z,e N,E	eP eLm	00 27 49 58	Gebiet der Riu-kiu-Inseln	35.8N; 124.3E	H=00:16:10.1(U)
4. z,n,e z,e,V N,E N,E,V	iP epP eSP eSKS eLm	00 57 26.8K 57 42 57 48 01 07 46 30	1.2/28 / 1.4/22 Kostarika	9.8N; 84.6W h N 8.8N; 84.1W	H=00:44:42.8(U) 00:44:36 (M)
4. z	ePP	04 13 11	K Ionisches Meer	38.6N; 20.2E 38.8N; 20.2E h= 39km	H=04:09:49 (B) 04:09:47.8(U)
4. z,n,e	iP	06 19 00.2K	1.2/37 0.9/14 / Gebiet von Hokkaido, Japan	42.8N; 145.5E h= 53km 42.8N; 145.2E	H=06:07:08.5(U) 06:07:07 (M)
4. e z,n,e z,n,e n,e	ePg e eSg e	10 44 19 44 55 45 10 45 15	Oberschlesien, Polen		
4. z	eP	11 37 04			
4. z	e	11 52 17			
4. z	e	12 13 20			
4. z,n	e	12 33 52			
4. z	eP	20 02 44	2.1/32 Mittelindischer Rücken	13.7S; 66.2E h N 13.1S; 66.3E	H=19:50:35.9(U) 19:50:40 (M)
4. z N,E V	eP iP eL eL	22 05 20 26 03.6 50 57	Molukken-Straße	2.0N; 126.7E h= 40km 2.1N; 126.7E	H=21:51:25.0(U) 21:51:25 (M)
5. z z	eP ePP	01 03 56 08 08	Nahe der Küste von N-Chile	22.8S; 70.2W h= 43km 23.1S; 70.2W	H=00:49:58.3(U) 00:49:58 (M)
5. z	eP	03 51 30			
5. z	e	09 49 06	Spuren		
5. z	ePPP	09 53 09	Iran	31.2°N; 50.2°E 31.1N; 50.0E h N 30.5N; 50.0E	H=09:45.1 (B) 09:44:52.3 (U) 09:44:49 (M)



August 1973

5. z,n,e	e	11 05 05			
5. z,n,e,N,E,V	iPKP e i e eLm	16 07 06.4K 07 12 07 18.1 17 49 17 15	1.2/180 1.3/51 0.9/35 Tonga-Inseln	16.2S; 173.1W h N 16.1S; 173.0W	H=15:47:32.9(U) 15:47:29 (M)
5. z	eP e	20 13 34 13 48			
6. z n,e,N,E N,V	e(P) eL eL	01 14 18 18 23 19.6	Epirus, Griechenland	39.6N; 20.6E 39.9N; 20.6E h= 63km 40.4N; 21.2E	H=01:11:11 (B) 01:11:13.6(U) 01:11:21 (M)
6. z,n,e z z	iP ePP eSoP	01 25 30.9K 27 18 30 48	1.6/37 / 1.6/32 Gebiet des Hindukusch	36.4N; 70.1E h=222km 36.4N; 70.1E 220	H=01:17:55.1(U) 01:17:54 (M)
6. z,e	e	07 54 24			
6. z	eP	09 56 34	Kamtschatka	56.4N; 160.9E h=148km 56.0N; 160.7E 170	H=09:45:41.8(U) 09:45:41 (M)
6. z,n,e	e	17 21 17			
6. z,n	e	17 22 15			
6. z	i	19 54 08.7			
6. z	e	23 23 11			
6. z,n,e z z	iP iP i(SP)	23 23 44.4K 24 00.5 24 09.7	0.8/56 0.6/33 0.8/18 h=65km Kurilen	44.3N; 147.8E h= 89km 44.6N; 147.8E 75	H=23:11:59.8(U) 23:11:59 (M)
7. z z N,E,V E N,E N,E N,E,V	eP e ePP eSKS ePS eL eLm F	03 55 43 59 51 04 00 05 06 27 09 29 38 46 06 30	107° MLH=6.2 Nahe der Küste von N-Chile	26.8S; 70.9W h= 25km 27.3S; 71.5W	H=03:41:25.6(U) 03:41:28 (M)
7. z z,n,e,V z E E N,E,V N,E,V	ePKIKP ePKP e(P) e(PoPKP) eSKS eL eLm	06 58 58 59 45 07 03 15 09 28 10 24 08 06 23	161.5° MLH=6.0 S-pazifischer Rücken	54.4S; 136.6W h N 54.5S; 137.9W	H=06:39:00.8(U) 06:39:01 (M)
7. z E,V N,E N,E,V N,E,V	e eSKS ePS eLm eL	10 21 59 29 24 32 28 11 01 09	107° MLH=5.9 Nahe der Küste von N-Chile	26.7S; 70.9W h= 34km 27.4S; 71.4W	H=10:04:26.6(U) 10:04:22 (M)
7. z,n,e	eP	11 03 26	1.2/19 / 1.2/20		
7. z,n,e	e	11 17 38			

August 1973

7. z,n	e	14 16 18			
7. z,V z,N,E,V V N,E N,E N,E,V N,E,V	eP e(PF) ePPP eSKS eFS eLm eL P	14 37 03 41 18 44 15 47 44 50 50 15 19 27 18 30	107° MLH=6.5 Nahe der Küste von N-Chile	26.8S; 70.9W h= 14km 27.3S; 71.1W	H=14:22:45.4(U) 14:22:49 (M)
7. z	e	14 38 33			
7. z,e	e(P)	20 39 21	N-atlantischer Rücken	52.7N; 32.0W 52.5N; 32.4W h N 53.0N; 31.8W	H=20:33:31 (B) 20:33:30.0(U) 20:33:33 (M)
8. N,E,V	eLm	05 38	Gebiet der S-Sandwich-Inseln		(U,M)
8. z,n,e z n,e z,n z,n,e,N,E,V	ePn e i e(Sb) eL	08 26 20 27 29 28 40.3 29 13 29 43	1.4/20 1.4/18 / Vor der Küste von Albanien	41.7N; 19.5E 41.7N; 19.4E h= 27km 41.7N; 19.3E	H=08:23:48 (B) 08:23:47.6(U) 08:23:48 (M)
8. z	iP	10 00 35.1	0.9/14		
8. z,e z,n,e n z,e	ePg eSg e e	10 56 53 57 34 58 21 58 31	360 km Bergschlag Ruhrgebiet	51°43'N; 7°50'E	H=10:55:51 (B)
8. N,E,V	eLm	13 48			
8. z,n,e z,n z,n n,e z,n,e z,n,e,N,E,V N,V	ePn e e i(Sn) e eL eLm P	14 38 43.4 38 54 39 01 40 48.6 41 12 42 14 43.2 15 00	Basilikata, Mittel-Italien	40.7N; 15.4E 40.8N; 15.4E h N 40.9N; 15.4E	H=14:36:10 (B) 14:36:11.0(U) 14:36:09 (M)
8. z	e	15 25 23			
8. z,n	e	16 29 24			
8. z	iP	18 28 38.2			
8. z	iP	18 28 44.1	0.9/29		
8. z,n,e	e	19 27 14			
9. z	eP e	02 30 41 30 52	Nahe der Küste von N-Kalifornien	40.260°N; 124.233°W h= 2km	H=02:18:25.8(U) 02:18:27 (M)
9. z,n,e	e	05 17 35		40.5N; 124.4W	
9. z,n,e z,n,e	iPg iSg	08 00 25.0 00 40.3	Sprengung	9.0t 50.76°N; 14.42°E	(0)

August 1973

9. z,n,e	iPKP	09 57 13.2D	0.9/49 / / Salomonen		6.1S; 154.5E h=404km 6.0S; 154.5E 320	H=09:38:59.2(U) 09:38:51 (M)
9. z,n,e,N,V z,V z,n,V n,e,N,E N,E,V	iP iP i eS eLm	10 56 16.2K 56 29 56 33 11 06 01 35	16.2K,S,W 1.0/550 1.2/170 1.0/165 77° MLH=5.9 Kurilen t16 an3.5 ae2 av4.5		43.4N; 146.4E h= 55km 43.4N; 146.3E	H=10:44:26.5(U) 10:44:24 (M)
9. z z	iP i	11 06 37.6K 06 54.0	1.2/30 Kurilen		43.4N; 146.3E h N	H=10:54:44.4(U)
9. z z,n z,e n,e e N,E N,E,V	e(PKIKP) i(PKP ₁) ePKP ₂ e ePP eL eLm	13 26 28 26 34.9 26 41 26 48 30 34 14 37 59	W-lich der Macquarie-Insel t19 an1.5 ae1 t18 an1 ae1.5 av2.5		56.3S; 147.4E h N 57.6S; 153.1E	H=13:06:36.6(U) 13:06:34 (M)
9. z z	eP e	22 34 43 35 09	Vor der E-Küste von Hondo, Japan		33.8N; 141.7E h= 31km 34.4N; 141.6E	H=22:22:13.5(U) 22:22:17 (M)
9. z	e	22 46 30				
9. z z,n,e	e eSg	23 59 45 59 50	Gebiet von Kutina, Jugoslawien			(W)
10. z z,n,e N,E N,E N,E,V	iP e eS eL eLm	00 20 30.3 20 35 30 52 55 01 02	83.5° MLH=6.2 t18 an2.5 ae3 t14 an3.5 ae5.5 av3.5 Vor der Küste von Hondo, Japan		34.0N; 141.4E h= 55km 34.2N; 141.4E	H=00:08:05.8(U) 00:08:03 (M)
10. z,n	e	00 29 14				
10. z	eP	09 53 02	Halbinsel Alaska		54.2N; 162.6W h= 53km	H=09:41:25.1(U)
10. z z	e e	13 20 29 20 46				
10. z,n,e z z,n	iPKP ₁ e e	14 46 54.1K 47 06 47 17	1.5/90 1.5/42 / Tonga-Inseln		19.2S; 173.0W h= 7km 19.3S; 174.8W	H=14:27:06.8(U) 14:27:16 (M)
10. z z,n,e z	ePKIKP iPKP ₁ epPKP ₁	15 03 22 03 24.6D 03 38	1.3/74 1.5/32 / Tonga-Inseln		19.2S; 173.0W h N	H=14:43:41.6(U)
10. z,e z,n	iP iP	15 56 41.8K 56 53.0	0.9/23 / Kurilen		43.4N; 146.4E h= 59km 44.1N; 146.3E	H=15:44:51.8(U) 15:44:53 (M)
10. z,n,e	e	17 04 12				
10. z,n,e z	ePKP ₁ e	19 15 04 15 35	1.5/31 / / Tonga-Inseln		19.2S; 173.2W h N	H=18:55:20.3(U)
10. z	e	19 20 29				

August 1973							
10. z	eP	22 31 51	Spuren, Mindanao Philippinen	5.6N; 126.9E h= 77km H=22:18:11.8(U) 5.9N; 127.3E 22:18:06 (M)			
11. z	e	03 17 19					
11. z,n,e	iPKP epPKP e	04 05 06.2K 06 38 06 50	1.2/59 / 0.9/16 Gebiet der Fidtschi-Inseln	17.88; 177.0W h=399km H=03:46:12.3(U)			
11. z,n,e	e	07 04 31					
11. z	eP ₁ iP ₂ e ePPP eS eSSS eL eLm eL F	07 26 22 K 66° 26 24.0K 1.7/145 2.0/75 1.9/76 26 38 30 21 35 08 42.3 51 53 55 09 30	MLH=6.5 Provins Kansu, China	33.0N; 104.0E h N H=07:15:39.7(U) 33.1N; 104.0E h= 25km 07:15:40 (M)			
11. z	e(PKP) eL	13 24 06 14 06	Gebiet von W-Neuguinea	3.58; 135.6E h= 9km H=13:04:35.7(U) 3.48; 135.7E 13:04:36 (M)			
11. z	iP	14 16 18.6D 1.0/13	Gebiet von Hokkaido, Japan	42.8N; 145.4E h= 55km H=14:04:27.0(U) 42.9N; 145.3E 14:04:26 (M)			
11. z	eP e	18 14 23 15 58	S-atlantischer Rücken	28.9S; 13.1W h N H=18:01:59.7(U)			
11. z	e	23 12 53	Spuren				
12. z	eP	10 29 36	Naher der Küste von Oaxaca, Mexiko	15.7N; 94.6W h= 55km H=10:16:45.9(U)			
12. z,n,e	eP eL	15 41 44 50	Norwegisches Meer	72.6N; 0.8E h N H=15:36:51 (B) 72.6N; 1.7E h N 15:36:55.7(U) 72.2N; 0.4E 15:36:51 (M)			
12. z	e	17 00 56	Spuren				
13. z	e	00 22 04	Spuren				
13. z	e	00 30 37					
13. z	eP e	02 08 48 10 55	W-Pakistan	29.9N; 68.4E h= 7km H=02:00:20.4(U) 30.4N; 68.2E 02:00:29 (M)			
13. z	e	07 21 58	1.5/12				
13. z	eP e z,n,e z,n z,n,e z,n,e z,n,e N,E N,E z,e z,e,E	08 43 15 44 10 46 54.6 47 25 48 13 50 45 53 41 55 50 56 42 57 15 57 46	118° h=110km MLH=6.2 (nicht tiefenkorrigiert) 0.9/40 / / Naher der N-Küste von Neuguinea	4.58; 144.0E h=112km H=08:28:19.7(U) 4.48; 144.1E 100-120 08:28:19 (M)			

Fortsetzung nächste Seite

August 1973							
Fortsetzung	e(pPS) z,e N,E N,E E E N,E,V	08 58 32 09 01 47 04 23 05 02 09.0 16.2 43 11				t17 an4 ae3.5 av5	
13. z,n,e	e	10 19 17					
13. z,n,e	e	11 28 55					
13. z	iP	19 44 59.1D 1.0/10	China	38.1N; 93.3E		H=19:35:26 (M)	
14. z,n	e(PKP) ePS eLm	02 15 16 25 04 54	Naher der Küste von N-Chile	26.68; 70.8W h= 29km H=01:57:00.5(U) 27.18; 71.3W 01:57:02 (M)			
14. z	eP	02 34 47	Mittelmeer, W-lich Kreta	35.1N; 23.0E		H=02:30:44 (B)	
14. z	iPKP iPKP ₁ iPKP ₂ epPKP	04 37 59.1D 1.3/16 38 04.6K 0.9/135 0.7/30 0.9/35 38 11.8D 1.0/57 40 19 149° h=580km	S-lich der Fidtschi-Inseln	22.38; 179.6W h=592km H=04:19:20.2(U)			
14. z,n	iPKP ₁ ePKP ₂	05 00 42.4K 1.0/40 / 00 49	Nachbeben zum vorigen ?				
14. z	eP	10 16 31	Gebiet der Kurilen	47.0N; 146.3E		H=10:04:54.0(F)	
14. z	eP	15 13 53	Carlsberg-Rücken	1.7N; 66.8E h N 1.5N; 66.9E		H=15:03:02.9(U) 15:03:03 (M)	
14. z	e	15 16 43					
14. z,n,e	iPg i z,n,e z,n z,e	17 44 10.7 44 25.8 44 57.3 45 00.8 45 05	Ende Ausfall 420km Bergschlag Oberschlesien, Polen	50.0N; 18.5E		H=17:43:00 (B)	
14. z,n,e	iP epP	18 32 53.5 33 01	1.9/69 / 1.6/27 W-Pakistan	25.4N; 65.7E h N 25.8N; 65.5E		H=18:24:20.2(U) 18:24:24 (M)	
14. z	iPKP ₁ iPKP ₂	19 01 41.7K 01 46.6	Gebiet der Fidtschi-Inseln	20.98; 178.7W h=617km H=18:43:02.2(U)			
14. z,n,e	e	21 22 51					
15. z	e	00 51 14	Spuren				
15. z,n,e	iP e e e e ePn	02 07 13.4K 1.2/33 / 1.1/22 07 28 07 51 08 16 08 29	37° Unterirdische Kernexplosion, Mittlere Kasachische SSR	42.7N; 67.4E h= 0km H=01:59:57.8(U)			
15. z	e(P)	04 42 29	W-Iran	30.3/4°N; 51.0E 30.9N; 50.0E h N 31.0N; 50.2E		H=04:35:46 (B) 04:35:42.9(U) 04:35:44 (M)	

August 1973

15. z	ePKP	08 55 02	1.3/17					
15. z	e	09 11 44	Grenzgebiet Burma-Indien	26.4N; 95.5E h= 41km	H=09:00:54.0(U)			
				26.5N; 95.5E	09:00:54 (M)			
15. z,n,e	ePKP ₁	09 44 52	1.3/46 / 1.3/20 Oster-Rücken	52.88;118.2W h N	H=09:25:03.7(U)			
15. z	e	14 01 56	Spuren					
15. z,n	e	14 30 18						
15. z	eP	15 16 50	Gebiet des Hindukusch	36.4N; 70.8E h=200km	H=15:09:08.8(U)			
	ePP	18 35		36.4N; 70.9E 190	15:09:07 (M)			
16. z,n,e	iP	04 09 30.9D	1.3/43 / /					
	eS	18 45	71° MLH=6.0					
	eSSS	26.8						
	eLm	40	t20 an9 ae2.5 av2.5	23.1N;101.1E h N	H=03:58:10.7(U)			
	F	05 30	Provinz Jinnan, China	23.0N;101.2E h= 20km	03:58:09 (M)			
16. z	eP	06 16 44	Provinz Jinnan, China	23.2N;100.9E h N	H=06:05:28.2(U)			
				22.7N;101.0E	06:05:26 (M)			
16. z,n,e,E,V	eP	08 12 26	2.4/85 / 2.5/71					
	eS	20 13	56° MLH=5.5					
	eLm	35	t20 an3.5 ae1					
	eLm	35	t13 av2	33.1N; 86.9E h N	H=08:02:53.8(U)			
			Tibet	33.6N; 86.7E	08:02:57 (M)			
16. z,e	eP	11 04 49	Carlsberg-Rücken	10.1N; 57.5E h N	H=10:55:19.5(U)			
				9.7N; 57.0E	10:55:19 (M)			
16. z,n,e	e	11 21 46	Spuren Sprengung	7.6t 49.42°N;14.40°E				(C)
16. z	ePg	12 00 17	115km Spuren Sprengung	3.0t				
	18g	00 30.2		50.49°N;13.95°E(?)				(C)
16. z,n,N,V	eP	12 28 51	77.5° MLH=5.9					
	eS	29 03						
	ePS	38 40	Andreanow-Inseln, Aleuten	51.3N;176.6W h= 47km	H=12:16:59.8(U)			
	eSS	39 32		51.1N;176.6W	12:16:57 (M)			
	eL	44.2						
	eLm	13 06	t19 an2 ae3.5					
		13	t17 an4 ae2 av4					
16. z	eP	12 48 20	Andreanow-Inseln, Aleuten	51.3N;176.6W h= 48km	H=12:36:28.6(U)			
16. z,n,e	18g	13 17 36.1	Schweiz					
16. z,n,e	eP	14 37 24	2.1/56 / /					
	eP	37 39						
	eLm	41 51	Andreanow-Inseln, Aleuten	51.4N;176.6W h= 62km	H=14:25:34.4(U)			
		15 20		51.4N;176.5W	14:25:31 (M)			
16. z	iPKP ₁	15 14 15.8K	1.0/23					
			Gebiet der Fidzchi-Inseln	21.78;179.9W h=620km	H=16:50:23.9(U)			
16. z,n,e	eSg	22 14 15	Jugoslawien	46.0N; 15.7E	H=22:11:16 (B)			
16. z,n,e	eSg	22 16 35	Nachbeben Jugoslawien					(B)
16. z,n,e	e	23 39 10						

August 1973

17. z	iP	01 04 58.0D	1.2/27					
			Kurilen					46.4N;152.7E h= 52km H=00:53:11.4(U)
17. z,n,e	iP	01 54 40.5K	1.0/21 / /					
	i	54 55.9	84° MLH=5.9					
	e	57 44						
	ePP	57 50	SW-liche Riu-kiu-Inseln	23.3N;123.6E h= 28km	H=01:42:11.9(U)			
	eSKS	02 05 03		24.0N;123.7E	01:42:15 (M)			
	eLm	27	t24 an5 ae2.5					
	eL	33	t17 an1.5 ae2.5 av2.5					
17. z,n	e	08 44 17						
17. z	e	08 57 36	Spuren, N-atlantischer Rücken	45.1N; 28.1W h N	H=08:51:47.1(U)			
17. z,n,e	e	08 55 43						
17. z	epP	10 20 11	Spuren, Andreanow-Inseln, Aleuten	51.4N;176.6W h= 51km	H=10:08:10.0(U)			
				51.1N;176.8W	10:08:07 (M)			
17. z,n,e	e	11 03 26						
17. z,n	e	13 06 14						
17. z,n,e	iPg	15 49 32.7						
	iSg	50 04.9						
17. z	iPKP	16 01 42.4D	1.1/17					
			Neue Hebriden					19.98;169.68 h=216km H=15:42:41.7(U)
17. z	eP	19 01 24	2.0/30					
	ePP	05 05	Panay, Philippinen	11.5N;121.5E h= 40km	H=18:48:16.8(U)			
	eLm	50		11.5N;121.6E	18:48:15 (M)			
17. z,n,e	e	20 33 31						
18. z,n,e	iP	02 20 19.3K	0.9/48 0.6/18 0.9/24					
	opP	20 38	Gebiet von Hokkaido, Japan	42.0N;142.5E h= 71km	H=08:08:32.0(U)			
				42.6N;142.4E	08:08:30 (M)			
18. z,n	e	05 31 33						
18. z	e(pP)	06 26 24	E-atlantischer Rücken	17.68; 13.5W h N	H=06:14:50.9(U)			
	e	26 53		18.18; 14.2W	06:14:47 (M)			
18. z	eP	08 13 39						
18. z,n,e,N,E,V	eP	08 38 55	2.0/71 / /					
	e	39 28	92° MLH=6.4					
	ePP	42 37	Panay, Philippinen	11.5N;121.4E h= 14km	H=08:29:44.1(U)			
	e	44 06		11.6N;121.5E	08:29:47 (M)			
	eS	49 53						
	ePS	51.2						
	eSS	56.4						
	eL	09 17	t18 an9 ae6					
	eLm	26	t17 an9.5 ae9 av18.5					
	F	11						
19. z,e	e	02 39 57						
19. z	e	10 04 17						

August 1973									
19. z,n	e	11 31 54							
19. s	e	16 35 29							
19. z,n	e	16 39 22	Grensgbiet Albanien-Jugoslawien	41.5N; 20.3E		H=16:33:52 (B)			
	eSg	39 46		41.4N; 20.2E	h= 5km	16:33:51.1(U)			
19. z	1P	19 42 40.4D	1.4/25						
	epP	43 55							
	1FP	46 35.1K,S	1.6/43 1.4/23 1.3/18	21.6N; 142.9E	h=326km	H=19:29:52.3(U)			
	z,n,e		Gebiet der Marianen	21.7N; 143.2E	300	19:29:50 (M)			
19. z,n	ep	23 24 31	SW-lich Spitzbergen	75.0N; 7.7E		H=23:19:17 (B)			
				75.1N; 9.9E	h N	23:19:19.8(U)			
				74.8N; 9.6E		23:19:22 (M)			
20. s	e	09 14 54							
20. z,e	1P	15 20 57.4D,E	1.0/17 /						
	z,n,e,V	20 58.5K,N,W	1.7/140 1.6/43 1.9/180						
	e	21 08	Gebiet von Vrancea, Rumänien	45.7N; 26.6E	h= 75km	H=15:18:30 (B)			
	z	21 37.0		45.7N; 26.5E	73	15:18:28.4(U)			
	n	22 28.9		45.5N; 25.8E	150	15:18:33 (M)			
	n,e,N,E,V	25 04							
20. z,n,e	e	19 39 29							
20. s	e	20 06 44							
20. s	e	23 33 31							
21. s	e	01 17 11							
21. s	e(P)	01 59 40	Spuren, Molukken-Straße	2.9N; 126.6E	h= 62km	H=01:45:45.7(U)			
				4.0N; 127.0E		01:45:45 (M)			
21. z,n,e	1PKP	02 02 45.4D	1.3/34 / /						
			Gebiet der Fidzchi-Inseln	18.88; 176.2E	h= 32km	H=01:43:11.0(U)			
21. s	ep	03 55 20	Spuren, Fuchs-Inseln, Aleuten	54.0N; 166.4W	h= 96km	H=03:43:48.1(U)			
				53.1N; 165.9W		03:43:36 (M)			
21. z,n,e	e	07 30 56							
21. z	1P	07 40 25.0D	1.1/14						
21. s	ep	12 55 16	Naher der Kiste von Guatemala	13.3N; 90.6W	h= 70km	H=12:42:32.5(U)			
21. s	1P	14 16 00.5D	1.3/26						
	ePKKS	19 44							
	eIm	26 50	S-Sumatra	5.28; 102.6E	h N	H=14:02:44.8(U)			
		15 02		5.38; 102.6E		14:02:44 (M)			
21. s	1PKP ₂	16 48 22.3	1.2/22						
			S-lich der Kermadec-Inseln	32.28; 180°	h=246km	H=16:28:17.4(U)			

August 1973									
21. n	e(Rn)	17 30 49	Kroatien, Jugoslawien	45.6N; 16.9E		H=17:27:58 (B)			
	z,n	31 18							
	n,e	31 25							
	z,e	31 28							
21. s	e	18 48 28							
21. s	e	19 18 37							
22. s	e	00 59 24							
	e	01 06 43							
	H,E	07 24							
	H,E,V	29							
22. z,n,e	1P	02 05 40.6D	0.8/23 / /						
	epP	07 07	Japanisches Meer	36.8N; 134.6E	h=383km	H=01:54:19.9(U)			
				36.9N; 134.8E	350	01:54:17 (M)			
22. z,V	ePKKP	06 59 15	2.3/72						
	n,V	59 30							
	z,n,e,V	59 55.2	159.5° MLH=6.3						
	z,n,e	07 00 08.0	S-lich der Kermadec-Inseln	32.88; 179.2W	h N	H=06:39:21.4(U)			
	e	00 19		32.58; 178.5W		06:39:20 (M)			
	e	00 40							
	ePP	03 43							
	e	04 04							
	e	11.1							
	e	24 32							
	eSSS	30.4							
	eIm	08 08	t24 an2 ae5.5						
	eIm	14	t22						
	V	09	av4.5						
22. z,n	e	15 47 46							
22. z,e	1Pg	15 48 37.3	Spuren Sprengung						
	z,n,e	49 05.4							
22. s	ePKP ₂	17 48 04	Gebiet der Kermadec - Inseln	31.38; 179.8E	h=460km	H=17:28:23.8(U)			
22. z,n,e,N,V	1P	18 25 55.0D	1.6/230 1.6/91 1.5/55						
	z,n,N,V	26 04.9	71.5°						
	z,n,e,N,E,V	35 11							
	ePKPKP	53 40	Gebiet der Insel Kodiak	57.1N; 154.1W	h= 38km	H=18:14:37.2(U)			
	eIm	19 06		57.7N; 154.7W		18:14:40 (M)			
22. z,e	ep	22 25 24	Zentraler Mittelatlantischer Rücken	0.6N; 25.3W	h N	H=22:15:17.3(U)			
				1.0N; 24.7W		22:15:22 (M)			
23. z,n,e	e	00 25 38							
23. z	e	07 35 06							
23. s	ep	12 33 07	W-Iran	31.8N; 50.9E		H=12:26:27 (B)			
				31.8N; 50.9E	h= 41km	12:26:24.8(U)			
				31.4N; 50.9E		12:26:22 (M)			
23. s	ep	14 54 37	Gebiet von Vinga, Banat, Rumänien	45.8N; 21.2E		H=14:52:43 (B)			
	e	54 58		45.7N; 21.1E	h= 39km	14:52:42.3(U)			
	e	55 27							
	e	55 50							
	H,E	57.4	t12 an0.5 ae1						
	z,n,e	57 53							
23. s	1P	16 41 09	K						
23. z,n,e	e	16 59 52	Rumänien	45.7N; 21.1E	h= 51km	H=16:56:27.0(U)			

August 1973

27. s	eP	11 26 32	
27. s	eP	11 27 28	
27. E,V	eL	13 10	
27. s,V	ePKP	14 08 03	Neue Hebriden 16.08; 168.1E h= 11km H=13:48:31.6(U)
s	e	10 51	
H,E	ePKS	11 37	
H,E	eLm	15 07	
V	eL	14	
27. s	1P	14 15 40.7	Andreanow-Inseln, Aleuten 51.2N; 179.3W h= 60km H=14:03:51.2(U)
27. s,n,e	1PKP	14 41 39.3E, S 1.0/81 1.0/22 0.9/23	
s	opPKP	44 05	Gebiet der Fidzchi-Inseln 18.18; 178.4W h=610km H=14:23:06.1(U)
27. s,n,e	1PKP	14 45 33.2E 1.2/60 / /	
			Gebiet der Fidzchi-Inseln 18.18; 178.5W h=631km H=14:27:02.2(U)
27. s	e	20 30 48	
28. s,n	e	02 51 28	Spuren
28. s,e	eP	03 06 47	1.1/18 /
s,e	ePn	07 37	Unterirdische Kernexplosion, Kasachische SSR 50.6N; 69.0E H=03:00:00 (B)
			50.5N; 68.4E h= 0km 02:59:57.6(U)
28. s,e	e	04 05 25	
28. s	e	04 45 30	
28. s	ePKP ₁	09 38 39	Kermadec-Inseln 29.58; 177.8W h= 49km H=09:18:37.7(U)
28. s,n,e,N,E,V	1P	10 03 20.7D,N,W 2.5/1450 2.6/340 2.3/560	
s,e	1pP	03 41.5	
s,n,e,V	1aP	03 49.3	87.5° h=80km MPV _k =MPH _k =6.7
s,e	1FP	06 43.6	
s,e	opPP	07 07	1.9/580 2.0/490
H,E,V	e	07 12	
H,E	e	10 30	MSH _k -MSH ₁ =7.4
H,E	eSKS	13 40	
s,n,e,N,E,V	eS	13 58	N,W 5.2/3000 5.3/4500 5.5/19500
H,V	e	14 35	t13 an18.4 ae50.5 av15.9
H,E	ePS	15 00	MLH=6.7 (nicht tiefen-
H,E	eSS	19.6	korrigiert)
s	ePKP	21 06	
s	ePKPKP	29 12	Veracruz, Mexiko
H,E	eLm	41	18.3N; 96.6W h= 84km H=09:50:40.0(U)
V	eLm	42	t22 an25 ae20 18.6N; 96.7W 100-200 09:50:44 (M)
s,e	ePKPKPKP	49 52	t20 av24
	P	13	
28. s	eP	12 34 03	Spuren, W-Iran 31.8N; 51.4E H=12:27:22 (B)
			32.0N; 50.3E h= 68km 12:27:26.5 (U)
			33.0N; 50.6E 12:27:36 (M)
28. s	opP	13 40 46	Naher der E-Küste von Hondo, Japan 36.6N; 141.3E h= 25km H=13:28:19.0(U)



August 1973

28. s,n,e,V	eP	15 11 47	57.5°
s,n,e,N,E	1	11 50.5K,N,E	1.9/180 2.0/100 2.0/145
s,e	e	11 56	
s,n,e,N,E,V	1Pn	12 07.2D,S,W	2.8/2350 2.9/1300 2.9/1300
s,n,e	e	12 11	
s,n,e	e	12 19	MPV _k =6.7 MPH _k =6.9
s	eFPm	14 13	MSH ₁ =7.1 MLH=7.0
H,E	e	15 35	
s,n,e,N,E	eSm	20 02	/ / 5.3/8200
V	e	20 07	t18 an48 ae41.5 av20.6
H,E	eLm	37	t14
s	e	38 44	t15 an45 ae69.5
V	eLm	41	t13 av62
s	e	42 45	
	F	19	Zentraler Mittelatlantischer Rücken 0.28; 18.0W h N H=15:01:59.1(U)
			0.18; 18.2W 15:01:54 (M)
28. s	e	15 49 27	
28. s	e	21 03 50	Gebiet von Parma, Italien 44.9N; 10.5E H=21:00:21 (B)
s,n,e	eL	04 14	
28. s,n,e	e	23 19 38	
29. s	ePKP ₂	05 03 10	Vor der W-Küste der S-Insel von Neuseeland 47.48; 165.7E h N H=04:42:23.3(U)
29. s	ePKP	08 09 41	1.5/24
s	ipPKP	10 02.6	Tonga-Inseln 17.18; 173.2W h N H=07:50:05.0(U)
29. s	1PKP	17 04 24.0	
30. s	1P	01 26 02.3D	1.1/28
			S-liche Kurilen 44.8N; 147.8E H=01:14:11.5(F)
30. s	ePKP ₂	02 10 50	Kermadec-Inseln h= 30km H=01:50:29 (B)
30. s	ePKP ₂	02 32 10	Kermadec-Inseln 30.28; 177.7W h= 50km H=02:11:47.2(U)
			30.78; 177.9W 02:11:45 (M)
30. s,e	eP	07 41 44	1.2/18 /
s,n,e	e	41 49	25° MLH=5.0
H,E	eS	46 12	
H,E	eSS	47 16	
H,E	eLm	51	t18 an3 ae3
V	eLm	54	t13 av2 37.9N; 42.8E H=07:36:28 (B)
			SE-lich des Van-Sees, 38.0N; 42.7E h N 07:36:23.6(U)
			Türkei 37.9N; 42.8E 07:36:24 (M)
30. s	ePKIKP	09 14 29	163° MLH=5.8
s,n	e(PKP ₂)	15 28	
s,n	eFP	19 13	Vor der E-Küste der N-Insel von Neuseeland 37.38; 179.4E h= 46km H=08:54:32.4(U)
V	ePPPP	25.1	37.28; 179.5E 08:54:32 (M)
H	e	30.1	
H	e	39.5	
H,E	eSS	10 28	t22 an1 ae1 av1
V	eLm	38	t20
	eLm		
30. s	ePKIKP	13 19 35	S-lich der Fidzchi-Inseln 24.38; 180° h=505km H=13:00:45.9(U)
s,n	1PKP	19 41.3	1.4/34 /
s	opPKP	21 46	
30. s,n,e	1Pg	14 17 11.4	Sprengung 12.5t
s	1	17 14.3	50.12°N; 12.99°E (O)
s,n,e	1Sg	17 27.3	



August 1973		225km Spüren Sprengung 8.625t 50°32.54'N; 10°02.27'E H=15:05:00.64(M)	
30. z	1Pg sBg	15 05 38.7 06 06	
30. z,n	1P	17 58 00.9K 1.2/13 /	
30. z,n	o	18 29 36	
30. z,n,e,E,V	1P z,n,e,E,V H,E,V z,n,e,H,E,V n,e,E n,e,H V z,n H,E,V	18 37 42.3K,E 0.9/38 / / 38 27.3D,E 82° h=180km MSH=6.2 41 48 47 40 t9 an1.9 ae2.3 48 24 N-Kolumbien 48 56 49 16 19 07 22 11	7.3N; 72.8W h=181km H=18:25:43.2(U) 7.4N; 72.7W 150-180 18:25:41 (M)
30. z	o	18 57 04	Spüren
30. z	o	19 04 11	Spüren
30. z,n,e,E,V	1P z z,n,e,H,E H,E V	20 01 30.1K 1.7/250 1.9/59 2.0/105 01 42.6 73° MLH=5.4 04 17 10 52 Golf von Bengalen 29 14 36 t18 an1.5 ae1 41 t16 av1	7.1N; 84.3E h N H=19:50:02.9(U) 7.0N; 84.4E 19:50:02 (M)
30. z	oP	21 26 21	1.3/22 S-lich von Hondo, Japan 32.5N;141.7E h= 39km H=21:13:48.3(U)
30. z,n	o	21 50 38	
30. z	o	22 59 29	
30. z	oPKIKP 1PKP 1PKP 2	23 27 15 Gebiet der Fidshi-Inseln 21.08;178.9W h=627km H=23:08:41.7(U) 27 19.9D 1.2/72 / / 27 25.6K 1.2/43 27 57	
31. z	oPKP	01 21 11	Neue Hebriden 15.78;167.1E h= 35km H=01:01:46.7(U)
31. z,n,e	o	02 37 22	
31. z	1P z,n,e z	02 41 46.2 S-Alaska 41 54.3 1.8/58 1.5/29 / 45 17	61.1N;147.4W h= 49km H=02:30:57.9(U) 61.3N;147.6W 20 02:30:55 (M)
31. z	1PKP ₁	03 42 06.2 1.0/14 S-lich der Fidshi-Inseln 23.88;179.8W h=523km H=03:23:11.2(U)	
31. z,e	oP z,n,e z,n,e	05 02 22 NE-Kaukasus 02 28 09 50	43.6N; 45.8E H=04:57:12 (B) 43.5N; 45.5E h N 04:57:17.0 (U) 43.3N; 45.1E 04:57:12 (M)
31. z,n,e	1Pg 1Bg z,n,e z,n,e	09 14 10.6 100km Sprengung 14 22.9 14 30	6.6t 50.59°N;13.83°E (O)
31. z,n,e	o	15 03 57 04 22	
31. z	oPKP	23 49 22	1.3/22 Gebiet der Samoa-Inseln 16.18;172.5W h N H=23:29:49.4(U) 15.48;171.6W 23:29:52 (M)

September 1973			
1. z,n,e	o	03 42 24	
1. z	o	05 58 36	Gebiet der Kermadec-Inseln 28.28;177.1W h= 57km H=05:38:30.4(U)
1. z	o	10 28 12	
1. z	oP z	11 34 34 34 39	Sambia 13.38; 24.1E h N H=11:23:54.6(U) 14.68; 23.3E 11:23:47 (M)
1. z,n	o	12 26 17	Bergschlag Oberschlesien, Polen (P)
1. z	o	12 41 44	
1. z	o	13 49 53 50 02	
1. z	1	16 03 55.3	Mittelmeer, SE-lich Sizilien 36.2N; 15.8E H=15:58:16.7(F)
1. z	1PKP ₁	18 26 58.4D 0.9/18	S-lich der Fidshi-Inseln 22.88;176.3W h N H=18:07:08.8(U)
1. z,n	o	19 05 38	
1. z,n	o	19 19 52	
1. z	oP	20 49 30	Kiushu, Japan 33.5N;130.6E h= 18km H=20:37:24.8(U) 32.6N;131.1E 20:37:20 (M)
2. z,n	1P z z	00 41 53.6 45 04 45 18	2.0/61 / Mindanao, Philippinen 7.4N;123.7E h=619km H=00:29:26.2(U) 7.3N;124.0E 640 00:29:27 (M)
2. z	o	04 06 55	Jordan-Graben, Grenzgebiet Syrien-Israel 32.7N; 35.7E H=04:01:28 (B)
2. z,n,e,V	1P z,n,e,V z	07 31 42.6K 1.6/125 / 1.7/59 31 49.3 33 36	Naher der Klüte von W-Pakistan 24.9N; 63.1E h= 25km H=07:23:17.1(U) 25.0N; 63.2E 20 07:23:17 (M)
2. z,n,e	o	10 15 49	
2. z	oPKP	16 26 05	Gebiet der Neuen-Hebriden 19.38;167.6E h N H=16:06:33.5(U)
2. z	1P	22 13 55.8D	Andreanow-Inseln, Aleuten 51.9N;173.7W h= 42km H=22:02:08.4(U)
3. z	1PKIKP 1PKP 1PKP z z z	03 42 18.6D 1.4/27 42 23.6D 1.0/150 / 0.8/33 42 29.3K 1.1/85 44 49 45 56	148° h=610km Gebiet der Fidshi-Inseln 20.9S;179.0W h=639km H=03:23:47.4(U)
3. z,e	o	10 21 12	
3. z	oPKP ₁	19 28 19	W-lich der-Maoquarie - Insel 54.68;146.3E h N H=19:08:26.1(U)
3. z	o	21 57 41	

September 1973

4. z	o	09 39 17			
4. z	o	11 55 42			
4. z	ePKP ₂	14 48 21	Kermadec-Inseln	30.28;177.6W h= 16km H=14:27:53.7(U)	
z	o	48 28			
4. z,n,e	o	15 43 30			
4. z,n,e	1	17 19 47.8			
4. z,n,e,E,V	eP	17 37 49	2.4/71 / /		
N,E	eS	48 30			
N,E,V	eLm	18 17	t19 an1.5 ae2 av3		
			Nahe der Kuste von Oaxaca, Mexiko	15.0N; 94.3W h= 51km H=17:24:59.4(U)	
4. z,n,e	o	19 57 05			
4. z,V	ePKKP	21 01 48	157.5°		
z,n	o	02 00	Kermadec-Inseln	30.48;177.9W h N H=20:41:55.4(U)	
z	o	02 14		30.58;177.8W 20:41:50 (M)	
z,n,e	1PKP ₂	02 21.2			
z,n	1	02 27.8			
z	o	06 23			
N,E,V	eLm	22 11			
5. z,n,e	1P	00 42 27.2D	1.7/130 1.6/46 1.1/26		
z,n	1(pP)	43 18.2			
z	ePP	45 24	Nahe der W-Kuste von Hondo, Japan	40.7N;139.6E h=191km H=00:30:53.5(U)	
N	eS	52 00		40.8N;139.7E 200 00:30:55 (M)	
N,E	eL	01 14			
5. z	eP	01 19 27	1.0/13		
z	o	19 38	Andreanow-Inseln, Aleuten	51.7N;173.4W h= 42km H=01:07:36.4(U)	
				51.1N;172.9W 01:07:32 (M)	
5. z,n,e	1PKP ₁	04 03 18.8	1.3/68 / /		
z	epPKP	04 59			
z	o(SKP)	06 20	Gebiet der Fidschi-Inseln	19.7S;177.9W h=402km H=03:44:21.0(U)	
5. z	o	07 37 21			
5. z	eP	08 33 06	Vor der E-Kuste von Hondo, Japan	39.4N;143.3E h= 45km H=08:21:00.8(U)	
				39.8N;143.3E 08:21:01 (M)	
5. z	1P	09 20 06.0	1.1/32		
z	epP	20 16	Kurilen	44.0N;148.3E h= 47km H=09:08:14.0(U)	
5. z,n,e,N,E,V	1P	13 15 18.7K	1.2/54 / /		
z	1	15 49.6			
z	o	17 59	79.5° MLH=6.5		
N	ePP	18 18			
N,E	eS	25 18	Vor der E-Kuste von Hondo, Japan	39.5N;143.1E h= 41km H=13:03:13.9(U)	
N,E,V	eLm	53	t16 an17.5 ae8 av13.5	39.8N;143.2E 13:03:14 (M)	
5. z	1P	14 21 06.1D	Vor der E-Kuste von Hondo, Japan	39.5N;143.2E h N H=14:09:00.2(U)	
				39.8N;143.4E 14:09:00 (M)	
5. z	eP	14 36 19			
5. z	ePKP ₁	15 03 20	Tonga-Inseln	20.98;174.1W h= 65km H=14:43:37.1(U)	
z	o	03 32			
z	ePP	07 12			
5. z	eP	15 59 24	Vor der E-Kuste von Hondo, Japan	39.3N;143.2E h= 52km H=15:47:19.9(U)	
				39.7N;143.3E 15:47:18 (M)	

September 1973

5. z	1P	16 15 45.2D	Vor der E-Kuste von Hondo, Japan	39.5N;143.3E h= 18km H=16:03:37.2(U)	
				39.8N;143.3E 16:03:40 (M)	
5. z,n,e	1	17 46 47.0			
5. z,n,e	o	18 19 48			
5. z	eP	20 30 09	Spuren, Vor der E-Kuste von Hondo, Japan	39.5N;143.1E h N H=20:18:03.4(U)	
				39.7N;143.4E 20:18:04 (M)	
6. z	o(P)	01 18 09	Vor der W-Kuste von S-Sumatra	4.4N; 94.9E h= 41km H=01:05:50.3(U)	
		18 17		4.5N; 95.3E 01:05:49 (M)	
6. z	eP	03 20 29	Vor der E-Kuste von Hondo, Japan	39.5N;143.1E h N H=03:08:24.3(U)	
6. z,n,e	o	06 00 36			
6. z,n,e	o	08 51 12			
6. z,n	1P	11 10 26.9	1.7/38 /		
z,e	1pP	10 35.0	67°		
z,n,e	o(PcP)	10 56			
z	o	12 24	S-Alaska	61.0N;146.8W h= 29km H=10:59:36.7(U)	
E	eS	19 21		61.1N;147.0W 10:59:37 (M)	
N,E,V	eLm	41			
6. z,n,e	o	13 23 49			
6. z,n	o	15 25 25			
6. z,n,e	o	16 37 19			
6. z	1P	16 39 13.4			
6. z,n,e	o	20 04 42			
7. z,n,e	eSg	00 13 14	Bergschlag Ruhrgebiet	51°43'N; 7°50'E H=00:11:25 (B)	
7. z	1P	01 04 03.0K	1.0/13		
z	o	04 27			
7. z	o	01 19 21			
7. z,n,e	o	02 56 07			
7. z	1PKP	09 50 05.4K	1.0/15	5.68;151.5E h= 61km H=09:31:14.8(U)	
			Gebiet von Neu-Britannien	5.58;151.4E 09:31:12 (M)	
7. z	1P	11 22 03.1K	1.6/22		
N,E,V	eLm	12 22	Mittelatlantischer Rücken, NW-lich Spitzbergen	82.0N; 4.0W H=11:15:44 (B)	
				81.9N; 1.4W h N 11:15:47.0(U)	
7. z	ePKP	14 17 22	122.5°		
z	epPKP	17 39			
z	1	18 21.1	Gebiet von Neu-Britannien	5.58;151.1E h= 71km H=13:58:33.6(U)	
z	ePP	19 11		5.48;151.5E 13:58:29 (M)	
z	ePKKP	27 17			
z	ePKKP	27 30			
z	o	30 39			
z	e	31 30.1			
N,E,V	1SKKP	15 10			
	eLm				

September 1973

7. z,n,e	e	14 38 21 38 46				
7. z	e	16 17 10				
7. z	e	18 59 28	Spuren, Vor der E-Küste von Hondo, Japan	39.9N;143.5E h= 33km H=18:47:14.5(U) 39.9N;143.9E 18:47:13 (M)		
7. z,n,e	eP	19 40 19 42 49 43 40	Gebiet von Vrancea, Rumänien	45.9N; 26.8E h= 85km H=19:37:52 (B) 45.8N; 26.5E 140 19:37:51.8(U) 46.2N; 26.9E 120 19:37:54 (M)		
8. z	iP	01 25 41.1K 0.8/13	Andreanow-Inseln, Aleuten	51.3N;179.2W h= 54km H=01:13:52.2(U) 50.5N;178.7W 01:13:45 (M)		
8. z	eP	02 05 41	Golf von Anatalya, E-liches Mittelmeer	36.2N; 31.3E h= 60km H=02:01:13 (B)		
8. z	e(P) eL	04 35 56 05 14	Nahe der S-Küste von Hondo, Japan	34.5N;139.4E h= 9km H=04:23:26.4(U)		
8. z	eP	07 03 48	N-lich des Kaukasus	43.5N; 44.1E H=06:58:52 (M)		
8. z,n,e,E,V	iP ePP e eS e(SS) eLm eLm F	07 35 14.8D 55° 37 22 38 30 43 01 47.4 58 08 02 09	Tibet	33.2N; 86.7E h N H=07:25:43.9(U) 33.4N; 86.8E 07:25:40 (M)	MLH=6.0	t18 an13 ae4 av7 t15
8. z,e	iP i	07 59 56.7 08 00 00.0	Grenzgebiet Peru-Brasilien	8.38; 74.2W h=168km H=07:46:52.7(U)	1.7/45 /	
8. z	eP ePP	08 09 03 11 04	Tibet	33.2N; 86.7E h N H=07:59:31.2(U) 33.5N; 86.9E 07:59:33 (M)		
8. z	e	08 19 30	Spuren			
8. z	e	10 00 38 01 12				
8. z	ePKIKP ePKP1 iPKP2 e ePP	20 01 09 01 19 01 38.6 02 32 05 22	Kermadec-Inseln	29.2S;178.5W h=142km H=19:41:32.0(U) 29.18;178.5W 19:41:17 (M)	2.0/32 1.3/14 1.4/27 / / 156°	
8. z	iP	21 03 39				
9. z,n,e	iP e(PoP) eS eL	02 24 13.3D 24 48 32 51 53	Provinz Szetschuan, China	31.6N;100.0E h N H=02:13:39.4(U) 31.6N;100.1E 02:13:39 (M)	1.4/41 / / 64°	
9. z	eP	02 53 10	Spuren, Provinz Szetschuan, China	31.5N;100.0E h N H=02:42:33.1(U) 31.5N;100.2E 02:42:33 (M)		
9. z	eP e	05 11 09 11 18	Vor der E-Küste von Hondo, Japan	39.9N;143.4E h= 25km H=04:59:04.7(U) 40.0N;144.0E 04:59:04 (M)		

September 1973

9. z	eP iP	05 28 37 28 45.6	Vor der E-Küste von Hondo, Japan	39.9N;143.5E h= 23km H=05:16:31.7(U) 40.3N;142.9E 05:16:38 (M)		
9. z,n,e	eP ePS eSS eLm eLm V	08 42 35 51 10 54.9 09 07 09	Gebiet der Insel Ascension	7.18; 12.6W h N H=08:32:14.8(U) 4.38; 10.0W 08:32:35 (M)	62°	
9. N,E,V	eL	17 37				
9. z,n	iP	18 37 55.7K			79.5° MLH=6.4	
z,n,e,N,E	i	37 57.3D			1.5/140 1.6/53 1.4/29	
e		38 09				
z,N,E,V	iPP	40 56.0	Vor der E-Küste von Hondo, Japan	39.5N;143.1E h= 23km H=18:25:49.4(U) 39.9N;143.2E 18:25:52 (M)		
n,e,N,E	eS	47 58				
N,E	eLm eL	19 11 16			t18 an11.5 ae14.5 t17 an13.5 ae7.5 av14	
9. z	eP	19 36 00	Vor der E-Küste von Hondo, Japan	39.5N;143.2E h= 29km H=19:23:53.7(U)		
9. z,n	iP	20 21 19.4D			1.7/50 /	
z,e	iP	21 29.7D				
z	eP	21 35	Vor der E-Küste von Hondo, Japan	39.4N;143.3E h= 28km H=20:09:12.0(U) 39.6N;143.5E 20:09:13 (M)		
e	e	23 41				
9. z	ePKP ePP	20 36 35 39 19	Oster-Insel-Rücken	35.08;109.5W h N H=20:17:16.4(U) 23.08;107.6W 20:17:35 (M)		
9. z	eP	21 05 14	Mittelindischer Rücken	14.58; 66.0E h N H=20:53:04.1(U)		
10. z,n,e	iP i eL	03 07 03.2D 07 47.1 18	E-Türkei	38.4N; 39.6E h N H=03:02:10 (B) 38.5N; 39.6E 03:02:04.2(U) 38.8N; 39.7E 03:02:07 (M)	1.7/53 / 1.7/41	
10. z	iP	04 53 30	Shikoku, Japan	33.7N;132.6E h= 55km H=04:41:11.5(U)	1.5/25	
10. z	e(P)	07 04 55	Gebiet der Insel Kodiak	57.3N;154.1W h= 28km H=06:53:34.7(U)		
10. z	e	07 12 50	Spuren, Vor der E-Küste von Hondo, Japan	39.3N;143.5E h= 18km H=07:00:32.7(U) 37.7N;146.5E 07:00:11 (M)		
10. z,n,e,N,E,V	iP i ePP ePP iS e(SKS) eSS e e e ePKPKP eSKPKP eL	07 54 01.9D 54 05.6 55 58.8 56 53 08 02 37.6N,W 03 03 06.0 07.0 14 22 21 37 24 23 29	Grenzgebiet E-liche UdSSR-NE-China	42.5N;130.9E h=532km H=07:43:30.5(U) 42.7N;131.1E 580 07:43:34 (M)	1.5/1350 1.3/405 1.4/330 72° h=580km 3.2/710 3.7/1850 t11 an6.3 ae14.0 MPV _k =6.1 MPH _k =6.2 MSH _k =6.2 MSH ₁ =6.6	
10. z,n	e	09 40 13				
10. z,n,e	iPg i	10 51 15.9 51 17.5	Sprengung			
10. z	iP	16 22 07.4				

September 1973					
10. z	eP	17 08 25	Vor der E-Küste von Hondo, Japan	39.5N;143.5E h= 30km H=16:56:17.7(U) 39.7N;143.6E 16:56:19 (M)	
10. z	1(P)	18 48 33.9			
10. z,n,e	e	19 02 12			
10. z	e	20 49 06	Spuren		
10. z,n,e	e	21 20 32			
10. z	1P	21 31 49.7	0.9/12		
11. z	e	07 30 38			
11. z	eP	10 30 07	Gebiet des Onagos-Archipel 3.48; 68.1E h N H=10:18:46.2(U)		
11. z	e	11 30 30	Spuren		
11. z	e	12 30 23			
11. z	eP	12 43 44			
z	e	43 50			
11. z	eP	14 37 22	N-licher Pamir	39.2N; 72.5E h= 10km H=14:28:35 (M)	
z	e	37 29			
11. z	1P	19 06 54.0K	Vor der E-Küste von Hondo, Japan	39.6N;143.2E h= 29km H=18:54:49.0(U) 39.8N;142.9E 18:54:48 (M)	
11. z,n,e,N,E,V	1P	23 30 59.3D	1.4/195 / 0.8/39		
z	epP	31 40	82.5° h=160km		
z,n,e,E,V	ePP	34 09	MLH=5.9 (nicht tiefen-		
z	epPP	34 44	korrigiert)		
z	e(PPPP)	37 13	NE-lich von Taiwan		
N,E	eS	41 02			
N,E	eS	42 06			
z	e(PKPPKP)	57 06			
12. N,E	eIm	00 09	t17 an3 ae4	25.6N;124.5E h=141km H=23:18:50.8(U) 25.8N;124.7E 110 23:18:48 (M)	
V	eIm	17	t17		
z	ePKPPKP	17 51	av3		
12. z	e	00 53 55	Spuren		
12. z	1P	01 30 47.2D	Dodekanes	36.6N; 27.0E h=145km H=01:26:50 (B) 36.5N; 26.9E 152 01:26:48.6(U)	
12. z,n,e,WN,WE,N,E,V,AN,AN,N,V,AN	1P	07 05 51.0K	S,W (1.0/2200) / /		
N	1S	06 14	28.5° MPV _k =6.9 MLH=6.4		
WE,E,V	1Sn	10 40	Unterirdische Kernexplo-		
V	e	11 14	sion, Nowaja Semlja		
WE,N,E,V	eL	15.4	73.3N; 54.0E H=07:00:00 (B)		
WN,N,E,V	eIm	17	73.3N; 55.2E h= 0km 06:59:54.3(U)		
z	e(PKPPKP)	20	t12 an20 ae42.5 av16.5		
z	e	38 38	t7 an30.5 ae17 av28.5		
z	P	48 50			
z	P	08 30			
12. z	eP	07 40 56	SE-Pakistan	25.6N; 68.0E H=07:32:08.1(P)	
12. z,n,e	eP	09 39 37	Grenzgebiet Griechenland-Albanien	40.7N; 21.0E h= 90km H=09:36:52 (B) 40.7N; 21.0E 93 09:36:50.5(U) 40.7N; 20.8E 09:36:48 (M)	

September 1973					
12. z	e	09 40 54			
z	e	43 17			
12. z,n,e	e	11 23 02			
12. z,n,e	e	14 51 02			
12. z,n	e	19 00 37			
12. z,n,e	1P	20 23 55.3K	Kurilen	45.9N;149.5E h=164km H=20:12:25.1(U) 46.4N;150.1E 20:12:10 (M)	
12. z,n,e	e	20 36 51			
12. z	e	22 18 25	Spuren		
12. z	1PKP ₁ ePKP ₂	23 15 11.4D	1.0/22		
z		15 16			
12. z,n	e	23 40 14			
13. z	1P	06 33 10.1K	1.4/38		
z	e	33 39	Mindanao, Philippinen	9.2N;126.1E h= 68km H=06:19:45.8(U) 9.3N;126.1E 60 06:19:45 (M)	
z	e	36 18			
z	ePP	37 04			
N,E,V	eIm	07 21			
13. n,e	e	09 46 16			
z	e	46 23			
13. z,n,e	e	13 13 49.7			
13. z	eP	17 31 36	Gebiet von Hokkaido, Japan	43.0N;145.0E h=109km H=17:19:52.4(U)	
13. z,n	e	23 42 00			
14. z,n	e	00 26 17	Bergschlag Oberschlesien, Polen		(P)
14. z,n,e	e	00 26 47			
e	e	26 55			
14. z,n,e	e	07 22 32			
14. z	eP	07 59 57	2.1/47		
14. z	1P	08 58 31.9			
14. z	1PKP	12 58 05.9K	1.0/23		
z			Gebiet der Fidshi-Inseln 17.9S;178.7W h=580km H=12:39:31.3(U)		
14. z	1PKP	23 57 04.0K	0.9/17		
15. z,n,e	1P	01 50 57.2K	1.8/90 1.8/50 1.9/58		
z,n,e,N,E,V	1	51 02.2	1.8/235 1.3/100 1.9/195		
z,e	e	51 07	22.5° MLH=5.4		
z,n,e,N,E,V	e(S)	55 09	SW-lich Island	63.8N; 22.4W H=01:46:00 (B) 63.9N; 22.2W h= 1km 01:45:57.7(U) 63.9N; 22.5W 01:45:57 (M)	
z	e	55 28			
e	e	56 40			
N,E	eL	59			
N,E,V	eIm	02 02	t14 an5.5 ae7 av9		
z	P	03			

September 1973									
15. z,n,e	eP	02 27 12	2.4/98 2.1/55 2.2/75	63.8N; 22.4W 63.9N; 22.1W 63.6N; 23.0W	h N	H=02:22:14 02:22:15.7 02:22:08	(B) (U) (M)		
15. z	e	02 57 08	Gebiet der Philippinen	19.1N; 121.3E 19.3N; 121.2E	h= 58km	H=02:44:24.6 02:44:23	(U) (M)		
15. z,n,e	1P e e eLm	04 37 30.2K 37 58 40 26	Riu-kiu-Inseln	29.3N; 130.3E 29.6N; 130.3E	h= 34km	H=04:25:08.7 04:25:10	(U) (M)		
15. z,n,e	e	05 18	t16 an1 ae1 av2						
15. z	1P	16 10 49.8D	0.9/13 Gebiet von Hokkaido, Japan	43.0N; 143.9E	h=132km	H=15:59:10.8	(U)		
15. z	1PKP ₁ e 1	17 52 44.6K 52 49 52 56.8	1.2/19 Gebiet der Tonga-Inseln	22.58; 175.4W	h= 39km	H=17:32:55.4	(U)		
15. z	1PKP e	23 28 02.8D 28 13	Salomonen	6.8S; 155.3E	h= 63km	H=23:09:06.4	(U)		
15. z	e	23 47 46	Spuren						
16. z	e e	03 13 12 17 24							
16. z	e	03 18 53							
16. z	eP	05 00 17							
16. z,n,e,B N,E N,E,V	1P eS eLm	05 05 33.2D 16 08 38	1.8/60 / 1.9/45 S-lich Panama	5.2N; 78.0W 5.4N; 78.1W	h N	H=04:52:50.9 04:52:53	(U) (M)		
16. z,e,V S E N,E	1P e eS eLm	08 34 20.1D 34 29 45.0 09 07	S-lich Panama	5.2N; 78.1W 6.2N; 78.2W	h N	H=08:21:38.1 08:21:42	(U) (M)		
16. z	e	16 17 26							
16. z N,E,V	eP eLm	19 22 19 20 03	Kiuschu, Japan	30.2N; 131.1E 30.4N; 131.2E	h= 30km	H=19:09:59.1 19:10:01	(U) (M)		
16. z,n,e,N,E,V n,e,N,E N,E N,E,V	1P e(S) eL eLm P	21 31 53.6K 36 05 40 43	1.6/305 1.6/170 1.6/205 22.5° MLH=5.3 t13 an4 ae6.5 av8 SW-lich Island	63.9N; 22.4W 63.9N; 22.2W 63.8N; 23.8W	h= 2km	H=21:26:56 21:26:53.5 21:26:49	(B) (U) (M)		
16. z	eP	21 43 39							
16. z	e	21 56 33							
16. z	eP	21 59 04							
16. z,n,e z,n	eP e	22 38 31 38 50	SW-lich Island	63.9N; 22.4W 63.9N; 22.4W	h= 5km	H=22:33:40 22:33:28.4	(B) (U)		

September 1973									
16. z	eP e	22 40 08 40 21							
16. z	ePKP ₁ ePKP ₂	23 11 24 11 30							
17. z E,V	e(P) eLm	01 19 16 30	Island	64.0N; 22.2W	h N	H=01:14:17.2	(U)		
17. z	e	03 23 45	Spuren						
17. z,n,e N,E,V	1P eLm	04 12 16.8K 29	1.0/28 / / Iran	36.6N; 51.1E 36.5N; 51.1E 36.6N; 51.1E	h= 47km	H=04:06:07 04:06:03.7 04:06:02	(B) (U) (M)		
17. z	eP	06 39 53							
17. z	ePKP ₁	07 15 34	1.3/19 S-lich Australien	50.58; 139.7E	h N	H=06:55:53.4	(U)		
17. z,n,e,V z,n	1PKP epPKP	07 41 11.1D 41 48	1.4/280 1.4/86 0.9/62 Tonga-Inseln	17.38; 174.3W 17.38; 174.2W	h=135km	H=07:21:47.4 07:21:36	(U) (M)		
17. z z z z,n,N,E	e(PP) e e eL	14 51 16 51 26 55 02 56 07	1.4/18 Ionische Inseln	38.6N; 20.4E 38.5N; 20.1E	h= 4km	H=14:47:54 14:47:47.4	(B) (U)		
17. z N,E	eP eL	15 41 16 47	S-lich des Peloponnes	35.6N; 22.2E 35.8N; 21.9E	h= 43km	H=15:37:21 15:37:20.4	(B) (U)		
17. z,n,e z z	1PKP ₁ 1pPKP e	15 51 29.0K 51 41.9 52 22	1.2/35 / / Gebiet der Tonga-Inseln	23.88; 175.2W	h N	H=15:31:37.2	(U)		
17. z	e	16 39 21							
17. z	e	22 21 34	Gebiet von Taiwan	24.9N; 122.0E 24.8N; 122.0E	h= 86km	H=22:09:16.6 22:09:11	(U) (M)		
17. z	e	23 12 49	Vor der Küste von Oregon	44.6N; 129.3W	h= 14km	H=23:00:37.3	(U)		
17. z	1P e e	23 45 36.4 45 42 45 49	Vor der Küste von Oregon	44.4N; 129.3W 44.5N; 129.9W	h N	H=23:33:33.0 23:33:33	(U) (M)		
18. z	e	00 41 46	Vor der Küste von Oregon	44.5N; 129.4W	h N	H=00:29:36.9	(U)		
18. z,n,e	e	02 06 57							
18. z,n,e	1	03 03 18.2	Bergschlag Oberschlesien, Polen						
18. z	e	04 25 38	Spuren						
18. z,n,e z	1P e	08 52 07.4 52 39	1.4/27 / / S-Küste der Türkei	36.8N; 30.5E 36.7N; 30.1E 37.1N; 30.3E	h= 15km	H=08:47:45 08:47:40.5 08:47:47	(B) (U) (M)		
18. z,n	e	10 18 01							
18. z z,n,e	e e	11 40 17 41 02							

September 1973

18. z	e	12 26 21	Spuren				
18. z, e	1P 1PP	13 11 33.5D 15 23.6	1.6/65 N-Peru	1.4/23	7.0S; 76.1W h=133km 6.1S; 76.8W	H=12:58:25.2(U) 12:58:15 (M)	
18. z	ePKP ₁ e eSKKS eSS eL eIm F	13 53 00 53 18 14 04 00 17.3 15 06 15	159° S-Pazifischer Rücken		54.5S; 132.6W h N 56.9S; 139.9W	H=13:32:51.6(U) 13:33:00 (M)	
18. z	i	22 04 40.2K					
19. z	e	00 21 46					
19. z, n, e	1P ePn	03 07 01.6 08 10	Unterirdische Kernexplosion, Kasachische SSR		45°2N; 68°2E 45.6N; 67.8E h= 0km	H=03:00:00 (U) 02:59:57.2(U)	
19. z	1PKP	03 56 10.4D	1.1/32				
19. z	e	07 01 35 01 40					
19. z	1PKP ₁ 1PKP ₂	10 02 20.4K 02 34.6	0.9/17 S-lich der Fidshi-Inseln		26.7S; 177.3W h=146km	H=09:42:37.5(U)	
19. z	eP	10 43 34	Gebiet der Insel Kodiak		56.2N; 154.2W h N 55.9N; 154.3W	H=10:32:09.6(U) 10:32:08 (M)	
19. z	eP	11 13 10	1.2/22 S-lich von Hondo, Japan		33.2N; 140.8E h= 60km 33.3N; 141.4E	H=11:00:44.9(U) 11:00:40 (M)	
19. z	e	17 44 04	Spuren				
19. z	e	23 35 19 35 37 36 05	Hohe Pyrenäen, Frankreich		43.3N; 0.3W	H=23:29:04 (B)	
20. z, n, e	e	03 26 22					
20. z	e	11 42 03					
20. z, n	1Pg i 1Sg	13 00 18.5 00 24.2 00 41.9	Sprengung		18.7t 49.71°N; 13.44°E	(D)	
20. z	ePKP	14 17 25	Fidshi-Inseln		15.6S; 180° h= 11km 15.8S; 179.7W	H=13:57:45.0(U) 13:57:49 (M)	
20. z	e	19 08 29					
20. z	eP	19 09 52	Andreanow-Inseln, Aleuten		51.6N; 173.9W h= 39km 50.9N; 173.6W	H=18:58:01.4(U) 18:57:57 (M)	
20. z, n, e, N, E, V	1P epP ePP 1PPP	20 56 05.4D 58 08 21 00 09 02 15.1D	1.4/230 95.5° h=560km Negros, Philippinen	1.7/80 1.8/79			
20. z, n, e, E, V	ePP	9.0N; 123.8E h=560km 9.0N; 124.1E 530				H=20:43:39.8(U) 20:43:35 (M)	

Fortsetzung nächste Seite

September 1973

Fortsetzung							
n, e, E	eSKS	21 05 49					
n, e, N, E	eS	06 34					
V	eSP	07 57					
E	ePS	09 13					
N	eSS	10 08					
N, E	eSB	13 24					
	F	22 30					
21. z, n, e	e	00 29 56					
21. z, n, e	eSn eSg	01 41 15 42 22	Jugoslawien		44.2N; 17.1E h N	H=01:38:12.2(U)	
21. z	1P	02 33 12.3D	1.3/39 S-Hondo, Japan		35.1N; 134.4E h= 23km 35.0N; 134.4E	H=02:21:04.1(U) 02:21:05 (M)	
21. z	1P epP	05 18 52.0D 20 12	1.2/22 Nabe der S-Küste von Hondo, Japan		33.3N; 137.7E h=352km 33.3N; 137.8E 350	H=05:07:05.9(U) 05:07:05 (M)	
21. z	eP e	05 35 13 43 39	Nabe der W-Küste von Hondo, Japan		37.0N; 137.1E h=273km	H=05:23:35.9(U)	
21. z, E, V	e ePP ePS ePSS eIm (evtl. sum folgenden Beben)	07 32 20 32 32 41 36 42 56 08 29	N-licher Oster-Rücken		4.48; 102.0W h N 4.48; 102.2W	H=07:13:34.0(U) 07:13:30 (M)	
21. z, V	e ePP ePKP e	07 49 48 50 02 08 00 38 04.5	N-licher Oster-Rücken		4.48; 101.9W h N 4.48; 102.2W	H=07:31:02.8(U) 07:31:04 (M)	
21. z	eP epP	09 40 35 40 47	Vor der E-Küste von Kantschatka		53.3N; 161.6E h N	H=09:29:10.3(U)	
21. z, n	1P	10 47 11.8	1.8/49 Gebiet der Insel Kodiak		57.2N; 154.0W h= 45km 56.8N; 153.8W	H=10:35:55.9(U) 10:35:52 (M)	
21. z	e	11 05 52 06 18					
21. z	e	11 30 05					
21. z	e	12 00 09					
21. z	1PKP ₁	12 33 28.6	1.2/20 Gebiet der Fidshi-Inseln		18.1S; 177.9W h=652km	H=12:14:59.0(U)	
21. z	1P	14 01 13.0	1.4/36 Luzon, Philippinen		18.8N; 120.7E h= 20km 18.6N; 121.0E	H=13:48:32.2(U) 13:48:32 (M)	
21. z, n	e	16 19 43					
21. z	e	17 53 50					
21. z, e	1PKIKP 1PKP ₁ 1PKP ₂ epPKP e	19 47 06.7D 47 15.1D 47 28.6 49 45 54 34	1.7/47 1.0/255 1.3/60 0.9/39 1.2/305 0.5/82 0.8/81 152.5° h=650km S-lich der Fidshi-Inseln		26.1S; 178.3E h=651km 26.1S; 178.6E 500	H=19:28:29.4(U) 19:28:16 (M)	

September 1973		H=20:07:56 (B)	
21. z	ePKP ₁	20 26 42	Tonga-Kermadec-Inseln
21. z	e	20 47 28	Spuren
21. z	1P	21 02 46.0D	
21. z,n	e	22 11 02	
22. z	1P	02 19 37.9	0.9/16
22. z	eP eIm	02 36 32 52	1.8/26 N-atlantischer Rücken 26.6N; 44.7W h W H=02:27:42.3(U)
22. z,e,E,V z,e,V N,E,V N,E,V	eP e eS eIm	03 06 09 06 37 13 22 22	49.5 ⁰ MLH=5.4 N-atlantischer Rücken 26.5N; 44.6W h N H=02:57:19.5(U) t22 an1 ae4 av3.5 27.0N; 44.6W 02:57:23 (M)
22. z N,E,V	eP eL	05 15 11 06 07	Gebiet der Philippinen 10.0N;126.3E h= 36km H=05:01:44.2(U) 10.2N;126.0E 05:01:46 (M)
22. z	eP	06 33 32	Ägäisches Meer, SE-lich des Peloponnes 36.5N; 23.8E h= 80km H=06:29:43 (B) 36.5N; 24.0E 92 06:29:42.0(U)
22. z	eP	09 28 47	Iran 30.5N; 59.9E h W H=09:21:11.1(U)
22. z z,e	e e	11 44 52 45 44	Gebiet des Hindukusch 36.0N; 70.5E h=117km H=11:36:02.7(U) 36.4N; 70.5E 100 11:36:03 (M)
22. z	e	12 56 55	Talaud-Inseln 3.5N;127.1E h N H=12:38:52.3(U) 3.2N;127.4E 12:38:50 (M)
22. z	e	17 56 52	Bergschlag Oberschlesien, Polen (P)
22. z,n,e	1P	18 48 16.0D	1.3/31 / / Andreanow-Inseln, Aleuten 51.6N;173.7W h= 36km H=18:36:24.6(U) 51.4N;173.5W 18:36:22 (M)
22. z,n,e z	1P epP	19 39 40.0K 39 52	1.1/41 / / Andreanow-Inseln, Aleuten 51.6N;173.7W h= 49km H=19:27:49.3(U) 51.4N;173.6W 19:27:46 (M)
23. z	e	00 54 02	
23. z	eP	02 30 15	1.5/17 Nahe der E-Küste von Kamtschatka 54.7N;161.8E h=110km H=02:19:07.3(U)
23. z	e	02 37 17	
23. z,n,e	e	02 55 17	
23. z	1P	07 38 00.8K	0.8/11 Kurilen 43.8N;146.0E h= 39km H=07:26:11.5(U)
23. z z,n,e N,E,V N,E,V	eP ePP eIm	12 39 13 43 07 13 23	1.3/23 Leyte, Philippinen 10.3N;125.3E h= 39km H=12:25:52.1(U) 10.0N;125.5E 12:25:49 (M)
23. z,n,e	e	14 09 28	Bergschlag Oberschlesien, Polen (P)

September 1973		H=20:07:56 (B)	
23. z z N,E,V	eP epP eIm	16 54 01 54 15 17 45	1.5/13 Mindanao, Philippinen 9.9N;126.3E h= 46km H=16:40:34.0(U) 9.9N;126.3E 16:40:27 (M)
23. z z	1PKP ₁ 1PKP ₂	18 01 46.3D 01 52.9	1.0/26 S-lich der Fidisch-Inseln 22.18;179.7W h=609km H=17:43:04.3(U)
23. z,n	e	22 15 04	
23. z	eP	22 15 34	Gebiet der Philippinen 19.3N;121.0E h= 35km H=22:02:55.9(U) 19.2N;121.3E 22:02:56 (M)
24. z,n,e	e	01 19 37	
24. z z	1PKP ₁ 1PKP ₂	03 11 12.6D 11 17.1	1.0/22 Gebiet der Fidisch-Inseln 20.18;178.4W h=576km H=02:52:31.5(U)
24. z	e	07 37 15	
24. z N,E,V	eP eIm	09 15 31 38	N-lich Spitzbergen 86.1N; 32.0E h N H=09:08:39.4(U) 86.2N; 33.0E 09:08:34 (M)
24. z z	1P e	09 26 26.7 26 54	Nahe der E-Küste von Hondo, Japan 40.1N;142.3E h= 61km H=09:14:29.0(U) 40.6N;142.4E 09:14:27 (M)
24. z	eP	10 54 37	Spuren, Mindanao, Philippinen 9.8N;126.6E h= 45km H=10:41:10.5(U) 9.7N;126.3E 10:41:09 (M)
24. z,n,e z,n,e,N,E,V z,V	1Pg 1Sg 1L	13 42 21.8 42 24.1 42 26.0	Sprengung
24. z,n,e z	1P ipP	13 53 11.4K 53 21.8	1.0/32 / / Kurilen 43.5N;146.6E h= 46km H=13:41:20.4(U) 44.8N;145.9E 13:41:27 (M)
24. z,n,e z,N,E,V	1Pg 1Sg	14 20 21.2 20 22.7	Sprengung
24. z	e	23 51 11	Spuren, Maquarie-Insel 52.38;160.7E h= 10km H=23:30:57.8(U)
25. z	e	01 41 33	
25. z	ePKP ₁ e	02 26 24 26 41	Tonga-Inseln 20.58;174.9W h W H=02:06:38.9(U)
25. z z	eP e	13 08 00 09 20	Gebiet des Hindukusch 36.4N; 70.8E h=200km H=13:00:17.8(U) 36.8N; 70.8E 200 13:00:20 (M)
25. z,n,e,V z,V z z,n z,n,V z n,e z N,E N,E N,E,V	1PKIKP 1(PKP ₁) 1 1 1 e e ePP e eSS eSSS eIm P	16 37 18.9D 37 25 37 36 37 49.1 39 35 39 59 40 58 41 06 45 02 17 00.7 06.5 48 19	1.5/46 1.8/200 152 ⁰ MLH=6.3 W-lich der Maquarie-Insel 54.88;145.8E h N H=16:17:28.3(U) 55.88;146.5E 16:17:32 (M) t20 an4 ae4 av5.5

September 1973

25. z	e	18 16 31					
25. z	epP epP e	18 47 16 48 52 49 42	1.6/23 Grenzgebiete Afghanistan-UdSSR	37.0N; 71.5E h=110km H=18:39:00.2(U) 37.0N; 71.3E 100 18:38:59 (M)			
25. z	ep e	21 08 49 09 24	Spuren, Vor der B-Küste von Hondo, Japan	39.4N; 143.5E h= 31km H=20:56:38.3(U) 39.8N; 143.1E 20:56:42 (M)			
26. z	1PKP ₁	00 24 49.2	1.2/15 Gebiet der Fidshi-Inseln	19.48; 177.7W h=411km H=00:05:53.1(U)			
26. z,n,e	e	03 13 30					
26. z	ep eL eL	10 00 12 40 47	1.7/23 Leyte, Philippinen	10.2N; 125.3E h N H=09:46:48.8(U) 10.1N; 125.2E 09:46:43 (M)			
26. z,n,e	1Pg 1	10 46 27.6 46 29.6	Sprengung				
26. z,n,e	e	14 00 00	Bergschlag Oberschlesien, Polen				(P)
26. z,n,e	e	14 51 09					
26. z	epP ₁ 1 e	16 47 39 47 45.9 47 54	W-lich der Macquarie-Insel	55.48; 146.3E h N H=16:27:47.2(U) 55.68; 145.3E 16:27:51 (M)			
26. z,e	1P	19 42 44.1D	1.0/17 /				
27. z,e	e	00 08 51					
27. z,n,e	e	00 17 20					
27. z	e	04 03 03	Spuren				
27. z,n,e,n,v	1P 1 1Pa 1PP 1Pop eSn eL e ePKP ₁	07 05 41.5A 05 56.2 06 06 06 22 09 04.8 10 47 14.4 14 38 29 18	2.0/120 2.1/110 2.0/54 23.5° MLH=5.0 t14 an3 ae2.5 av4 Unterirdische Kernexplor- sion, Nowaja Semlja	71.0N; 53.0E h= 0km H=07:00:00 (B) 70.8N; 53.9E h= 0km 06:59:58.0(U)			
27. z	epP	08 22 08	Spuren, S-lich Hondo, Japan	33.1N; 140.6E h= 40km H=08:09:22.6(U)			
27. z	e	08 54 26					
27. z	e	09 15 47					
27. z,n	e	10 07 20					
27. z,n,e,n,v	ep e eS eLm P	12 34 07 34 19 38 20 45 13 30	2.0/120 2.1/110 2.0/54 23.5° MLH=5.0 t14 an3 ae2.5 av4 N-Atlantischer Rücken, Gebiet der Insel Jan Mayen	71.5N; 12.0W h N H=12:29:00 (B) 71.5N; 12.1W h N 12:29:04.3(U) 71.6N; 12.2W 12:28:57 (M)			

September 1973

27. z,n	1Pg 18g eL	13 01 46.2 02 02.9 02 16	Sprengung	3.7t	50.18°N; 13.29°E		(C)
27. z,n	1Pg 18g	17 54 22.5 54 41.5	Spuren Sprengung ?				
27. z,n	e	19 45 04					
27. z	ep	22 15 59	1.9/36 E-licher Golf von Aden		13.2N; 50.7E h N H=22:07:16.7(U) 12.9N; 50.8E 22:07:14 (M)		
28. z	1P	01 11 27.1	N-Sumatra		1.9N; 99.2E h=132km H=00:58:59.5(U) 1.9N; 99.0E 150 00:59:01 (M)		
28. z	1PKP	07 16 27.3D	0.9/14 Tonga-Inseln		17.08; 174.4W h= 92km H=06:56:59.6(U)		
28. z	1Pg 18g	09 15 31.6 15 53.9	180km Spuren Sprengung		50°33'57"N; 15°23'27"E H=09:15:01.7 (C)		
28. z	e	10 07 42					
28. z,n,e	1P e	11 41 05.2 43 23	1.6/76 1.6/30 1.5/29 E-licher Golf von Aden		13.2N; 50.7E h N H=11:32:23.3(U) 13.1N; 50.8E 11:32:23 (M)		
28. z	e	19 51 04					
28. z	ep	22 44 00	2.1/36 Golf von Aden		13.4N; 50.6E H=22:35:19 (M)		
29. z,e	1PKP ₁ e	00 11 38.6 11 48	0.9/15 / W-lich der Macquarie-Insel		55.48; 146.0E h N H=23:51:46.9(U)		
29. z,n,e,WH,WE, N,E,V,AN,AN WH,WE,N,E,V N,E n,e,WH,WE, N,E,AN,AN z,WH,AN WH,WE,N,E WH,WE WH,WE WH,WE N,E Z Z Z N,E Z Z N,E,V V s	1P epP epP epP eS eS eS eS eS eL e ePKP ₁ e eL e ePKP ₁ eLm eLm e P	00 54 31.0D 56 35 57 32 59 14 01 03 09 03 40 06 48 07.9 11.4 12.6 18 21 10 21 58 22 14 24 24 20 24 45 28 29 44 41 04	0.9/15 / W-lich der Macquarie-Insel h=605km MSH ₁ =7.5 MLH=7.2 (nicht tiefen- korrigiert) H,W t19 an84 ae156 H-Korea t20 an51.5 ae75 t15 an70 ae45 t14 an65 ae65 av67 av92.5	41.9N; 130.9E h=575km H=00:44:00.8(U) 42.0N; 131.1E 600 00:44:02 (M)			
29. z	e	03 12 46	Spuren				
29. z	ep(PKP ₂)	03 24 41	1.4/22 W-lich der Macquarie-Insel		60.38; 150.0E h N H=03:04:22.5(U)		
29. z	e	03 42 42					



September 1973

29. s	eP	04 01 55				
29. s	e	07 31 02				
29. s	1	11 36 25.1				
29. s,n,e s,n,e	1Pg 1	12 18 20.8 18 35	Sprengung 34.1t	50.59°N; 14.05°E		(0)
29. s	1P	13 58 26.6K	1.0/19 S-lich von Hondo, Japan	32.6N; 141.3E h= 54km	H=13:45:55.7(U)	
29. s	e	18 36 18				
29. s	e	20 15 19				
29. s,n n s,e s s,n,e	ePg e eSm e 1Bg	21 09 24 09 45 09 50 10 04 10 14.2	450km Gloggnitz, S-liches Niederösterreich	47.7N; 15.95°E	H=21:08:04 (W)	
29. s	eBg	21 16 59	Nachbeben Gloggnitz			(W)
29. s,n,e	e	23 25 04	Bergschlag Oberschlesien, Polen			(E)
30. s,e s,n,e s,n,e	1P 1P 1P	05 05 29.9D 05 31.6D 05 41.4	1.2/50 1.1/22 1.0/140 0.5/57 1.0/72 Unterirdische Kernexplosion, S-Uralgebirge	51.7N; 54.7E 51.6N; 54.6E h= 0km	H=05:00:00 (E) 04:59:57.5 (U)	
30. s,n,e,H,V s,n,e s,e,V e,H,H H H,H,V	1P 1 e eB e eLm P	06 30 06.8K 30 25.6 33 11 40 12 45.5 07 09 30	8,W 1.4/360 1.5/125 1.3/63 82° MLH=5.9 Nahe der E-Küste von Hondo, Japan t17 an3 ae3 av3.5	35.6N; 140.4E h= 62km 36.3N; 140.2E 40 - 50	H=06:17:52.8 (U) 06:17:54 (E)	
30. s	1PKP	07 34 39.7D	1.6/32			
30. s	e(P)	20 37 44	Nahe der Küste von Venezuela	10.5N; 62.0W h= 35km 14.8N; 61.7W	H=20:26:13.5 (U) 20:26:39 (E)	
30. s s	e e	22 12 07 15 02				
30. s	e	22 26 45				

Dr. B. Tittel, Assistent
H. Merkel

Geophysikalisches Observatorium Collm
der Karl-Marx-Universität Leipzig



Geophysikalische Meßreihen

4 1973

Seismische Registrierungen

Geophysikalisches Observatorium

DDR - 7261 COLLN

**Geophysical measuring series
of the
Geophysical Observatory
of the Karl-Marx-University
Leipzig**

**Geophysikalische Meßreihen
des Geophysikalischen
Observatoriums
der Karl-Marx-Universität
Leipzig**

C O L L N

**SEISMIC
RECORDS**

**SEISMISCHE
REGISTRIERUNGEN**

IV. quarter 1973

IV. Quartal 1973

6 Remarks; at first the own statements without mention of sources, e.g. epicentral distance, depth of focus, magnitudes after recommendations of Zürich 1967 (index k: shortper.; index l: longper.) respectively after magnitude equation for Collm 1959 (=Mag); than dates of the seismic central offices or other stations with the following abbreviations:

U: USERL
M: Moskau/ANSSSR
B: BCIS
G: Griechenland
H: Hannover
I: ISC

6 Bemerkungen; zuerst eigene Aussagen ohne Quellenangabe, wie Epizentraldistanz, Herdtiefe, Magnituden nach den Empfehlungen von Zürich 1967 (Index k: kurzper.; Index l: langper.) bzw. nach der Magnitudengleichung für Collm 1959 (=Mag); dann Daten der Seismischen Zentralen oder anderer Stationen mit folgenden Abkürzungen:

J: Jena
P: Polen
C: Pruhonice
F: Hagfors, Schweden
S: Uppsala
W: Wien

The declaration of periods and amplitudes for important onsets appears in the corresponding line if measurement practicable;

average period [sec] amplitude from N,E,V [μ], in the sequence z,n,e
period [sec] / amplitude [μ].

Perioden- und Amplitudenangaben für wichtige Einsätze erscheinen in der entsprechenden Zeile, falls Messung möglich ist;

mittlere Periode [sec] Amplitude von N,E,V [μ], in der Reihenfolge z,n,e
Periode [sec] / Amplitude [μ].

1.1 Falling out of the records

10 Oktober:

E E	23.	06.00 - 08.37
E, E, V	28.	07.22 - 17.52

11 November:

Z Z	04.	08.41 - 12.00
Z Z	25.	02.20 - 04.12

10 Dezember:

a, z, n, e, N, E, V	04.	02.36 - 03.37
WN, WE, Z	08.	12.51 - 18.05
WN, WE, Z	08.	23.12 - 07.21 am 09.
a, z, n, e, V	09.	07.20 - 06.31 am 10.

1.1 Ausfall der Registrierungen

z, n, e, Z, N, E, V	25.	06.02 - 08.22
Z	14.	13.13 - 14.05
WN, WE, Z	04.	03.39 - 09.22
z, n, e, V	08.	18.04 - 23.13
z, n, e, V	09.	00.39 - 00.41
z, n, e, V	11.	10.45 - 18.35

1.2 Constants of the seismographs

1.2 Konstanten der Seismographen

Gerät	T_B (s)	D_B	T_G (s)	D_G	r/T_B^2	$V_{stat.}$	$V_{max.}$	Registrier- geschwindig- keit (mm/min)
Z	0.452	0.65	1.43	1				
z	2.175	0.537	0.296	1.474			(38000)	60
n	2.171	0.537	0.294	1.474			55000	60
e	2.171	0.537	0.293	1.474			60000	60
WN	10.1	0.28			0.043	300		60
WE	10.2	0.33			0.035	300		15
N	20.0	0.50	1.10	9.09				1075
E	20.0	0.51	1.21	8.24				1120
V	20.0	0.51	1.20	8.35				1090

2. Evaluation

Oktober 1973

1. N, E	eL	05 53			
V	eL	06 00			
1. z	e	07 40 58	Spuren		
1. z	e	14 17 42			
1. z, n, e, V	1P	14 28 37.1K	1.2/98 1.5/40 1.1/24		
z, n, e	ipP	28 50.9	82°		
V	ePP	31 43			
z, n, e	e	31 52	Naher der E-Küste	35.7N; 140.6E h= 56km	H=14:16:23.0(U)
z	e	34 32	von Hondo, Japan	36.3N; 140.2E	14:16:24 (M)
N, E	eS	38 46			
N, E, V	eLm	15 37			
1. z	eP	14 58 19	Naher der E-Küste	35.7N; 140.6E h= 61km	H=14:46:04.5(U)
1. z, n, e	e	16 11 34			
1. z	e	23 48 22	Spuren		
2. z	ePKP	00 02 40	1.0/23		
z	ePP	04 15	Gebiet von Neu-Britannien	4.58; 151.5E h=226km	H=23:44:12.0(U)
z	e	05 55		4.68; 151.8E	23:43:49 (M)
2. z	e	00 21 44			
2. z	e(P)	03 12 04	Taiwan	23.9N; 121.6E h= 49km	H=02:59:42.3(U)
z	e	12 12		23.8N; 122.0E	02:59:39 (M)
N, E, V	eLm	52			
2. z, n	1P(KP)	07 19 58.0	(Gebiet der Fidschi-Inseln	17.88; 177.7W	H=07:00:19 (M))
z	1	20 04.3			
z	e	21 56			
2. z, n, e	1P	08 41 26.9	1.0/48 / /		
z	e	41 51	Gebiet von Hokkaido,	42.9N; 145.3E h= 52km	H=08:29:35.8(U)
z	e	42 43	Japan	42.8N; 145.2E	08:29:33 (M)
2. z	e	08 50 10			
2. n, e	1	08 54 19.8			
z	1	54 25.8			
2. z	e	11 42 16			
z	e	42 57			
2. z	ePKP	12 41 36	Gebiet der Insel Bali,	8.78; 115.4E h= 92km	H=12:23:23.3(U)
			Indonesien	8.78; 115.7E 100	12:23:24 (M)
2. z, e	e	19 10 28			
2. z	1P	19 40 02.3	1.1/13		
z	epP	40 12	Kurilen	43.4N; 146.7E h N	H=19:28:09.0(U)
3. z, e	1P	04 40 32.3	1.6/27 /		
N, E, V	eL	05 22	Baja California	27.6N; 112.4W h= 9km	H=04:27:40.5(U)
				26.9N; 113.2W	04:27:40 (M)
3. z, n	1PKP,	08 58 14.5D, 8	1.1/32 /		
z	epPKP,	58 46	S-lich der Fidschi-Inseln	22.28; 176.4W h= 91km	H=08:38:33.7(U)

Oktober 1973

3. z,n,e	e	09 23 12				
3. z,n,e	eP	09 29 24 29 36	1.6/48 / E-liches Schwarzes Meer	42.8N; 40.8E	H=09:24:46 (M)	
3. z	e	09 59 55				
3. z,n,e	e	10 28 46				
3. z	eP	10 43 16	Kaukasische Schwarz- meerkluste	42.7N; 40.6E	H=10:38:31 (M)	
3. z,n,e	IP	10 47 42.3K	1.1/69 1.4/38 / Kurilen	45.5N; 151.8E h N 46.2N; 151.1E	H=10:35:51.3(U) 10:35:55 (M)	
3. z	e	11 11 50				
3. z	ePKKP	11 28 20 28 32 28 57 29 11 32 45 32 58 12 37	159° S-lich der Kermadec - Inseln	32.6S; 179.1W h= 37km 32.8S; 179.5W	H=11:08:27.2(U) 11:08:26 (M)	
3. z	IP	12 53 44.1D	0.8/18 Vor der E-Klute von Hondo, Japan	37.7N; 142.1E h= 50km 38.5N; 142.0E	H=12:41:34.1(U) 12:41:31 (M)	
3. z	IP	13 06 42.9	1.2/25 Kurilen	45.7N; 151.7E h N 45.6N; 151.7E	H=12:54:52.3(U) 12:54:52 (M)	
3. z,n,e	IPKP	16 10 32.9D	1.1/52 / / Gebiet der Fidschi-Inseln	17.78; 176.9W h=360km	H=15:51:35.0(U)	
3. z,n	e	19 27 48				
4. z,n,e	e	01 17 02				
4. z	e	04 51 31				
4. z,n,e	e	07 13 04	Bergschlag Oberschlesien, Polen		(P)	
4. z	IP	13 50 36.0D	Kurilen	45.8N; 151.7E h N 46.3N; 151.1E	H=13:38:44.6(U) 13:38:46 (M)	
4. z	ePKKP	18 18 21 D 18 25.4K 18 31.3D	148.5° 1.2/79 Gebiet der Fidschi-Inseln	21.18; 179.2W h=638km	H=17:59:48.3(U)	
4. z	eP	19 08 52	Kurilen	45.8N; 151.7E h N 45.7N; 152.0E	H=18:57:01.6(U) 18:57:01 (M)	
4. z,n,e	e	20 42 17				
4. z,n,e	e	22 00 31	Bergschlag Oberschlesien, Polen		(P)	
5. z	e	04 56 24	Mittelmeer, S-lich des Peloponnes	36.0N; 21.3/4°E 36.3N; 21.2E h= 27km	H=04:52:14 (B) 04:52:11.1(U)	

Oktober 1973

5. z	eP diff	06 00 11	112° MLH=7.1			
z	ePKP	03 52				
z,n,e	e	04 07	Nahe der Klute von Mittelchile	33.08; 71.9W h= 14km 32.98; 73.3W	H=05:45:27.3(U) 05:45:31 (M)	
z,n,e	e	04 19				
z,n,e,N,E,V	ePP	04 44				
E,V	ePPP	07 03				
z,e	e	07 22				
N,E	ePS	14 27				
z,n	ePKKP	15 07				
N,E,V	eLm	56				
	P	09				t17.5 an26.5 ae31 av(53)
5. z	ePKKP	06 17 27	Nahe der Klute von Mittelchile	32.58; 71.5W h N	H=05:47:51.1(U)	
5. z	e	07 25 58	Nahe der Klute von Mittelchile	32.98; 71.9W h= 24km 33.28; 73.1W	H=07:07:33.9(U) 07:07:36 (M)	
5. z	e	26 18				
5. z	e	31 45				
5. z,n,e	e	10 29 48	Grenzgebiet Kroatien - Slowenien, Jugoslawien	45.5N; 14.3E 45.5N; 14.3E h= 18km	H=10:26:55 (B) 10:26:55.2(U)	
5. z,n,e	e	29 59				
5. z,n,e	e	11 33 23	Grenzgebiet Kroatien - Slowenien, Jugoslawien	45.5N; 14.3E 45.5N; 14.3E h= 22km	H=11:30:52 (B) 11:30:51.7(U)	
5. z,n,e	e	33 56				
5. z,n	IPKP	19 49 43.8K	1.4/39 / Gebiet der Tonga-Inseln	17.48; 172.8W h N	H=19:30:07.0(U)	
z,n	e	49 50				
z	e	50 26				
5. z,e	IP	21 32 16.8	1.1/29 / Kurilen	43.4N; 146.7E h N	H=21:20:23.4(U)	
z	epP	32 26				
6. N,E,V	eL	05 30	Vor der E-Klute von Mittelchile		(U,M)	
6. z	e(P diff)	15 22 51	115° MLH=6.9 SW-licher Atlantik	60.88; 21.5W h N 61.28; 20.6W	H=15:07:37.3(U) 15:07:39 (M)	
z,n,e	ePKP	26 21				
z	e	26 31				
z,n,e,N,E,V	ePP	27 20				
N,V	e	28 45				
z	ePKKP	36 58				
n,N	ePS	37 18				
z	e	40 06				
N,E	eSS	43 44				
z	ePKPKP	45 17				
z	e	46 39				
N,E,V	eLm	16 10				t20 an22 ae15 av25
	P	18 30				
6. z	e(P)	16 47 57	Mindanao, Philippinen	9.7N; 125.6E 9.7N; 125.6E	H=16:34:33.3(U) 16:34:27 (M)	
6. z,n,e	e	18 50 09				
6. z,n,e	eP	21 24 22	Mittelmeer, SE-lich von Kreta	34.7N; 26.2E 34.9N; 26.3E h= 33km 34.3N; 26.1E	H=21:20:01 (B) 21:19:58.2(U) 21:19:54 (M)	
z	eL	24 44				
N,E,V	e	33				
7. z,n,e	e	02 50 10	Bergschlag Oberschlesien, Polen		(P)	
7. z	eP	05 06 49	Kurilen	47.6N; 154.3E	H=04:54:55.6(P)	
z	e	06 55				
7. z	eP	07 17 42.3	1.0/13			
7. z	ePKP	07 56 20	Gebiet der Samoa-Inseln	16.08; 172.8W h N	H=07:36:45.1(U)	
z	e	58 43				

Oktober 1973

7. s,n,e s H,E,V	1P ipP eL	09 39 01.4K 1.2/45 1.3/19 1.1/13 39 09.9D 10 19	Vor der Kiste von Hokkaido, Japan	42.3W;146.6E h= 27km H=09:27:02.2(U) 43.0W;146.4E 09:27:06 (M)
7. s	eP	11 24 14	Spuren, Lazon Philippinen	16.2N;122.2E h= 78km H=11:11:26.2(U) 16.2N;122.8E 11:11:19 (M)
7. s	eP	17 17 28	Spuren, Nahe der Kiste von Venezuela	9.0W; 61.1W h= 42km H=17:05:59.8(U)
8. s,n,e	e	01 17 22	Bergschlag Oberschlesien, Polen	(P)
8. s,n,e s h	1PKP epPKP eSKP	04 04 47.2D 1.2/39 / / 07 04 07 38	Gebiet der Fidschi-Inseln	17.8S;178.3W h=544km H=03:46:09.0(U) 17.8S;177.0W 03:45:12 (M)
8. s	1P	05 38 16.0	Kurilen	45.7N;151.7E h= 60km H=05:26:27.6(U) 45.4N;152.0E 05:26:23 (M)
8. s	1PKP	06 37 50.2 1.0/13	S-lich der Fidschi-Inseln	25.0S;179.6E h=495km H=06:18:51.8(U)
8. s s	1PKP e	06 38 17.3D 1.0/19 38 46	S-lich der Fidschi-Inseln	25.1S;179.8E h=500km H=06:19:18.0(U)
8. s	eP	08 38 08 1.5/25	Kurilen	45.8N;151.7E h= 60km H=08:26:20.6(U) 46.1N;151.7E 08:26:14 (M)
8. s,e	e	08 57 09		
8. s,n,e	e	09 32 18		
8. s,n,e	e	09 36 09		
8. s s	e e	22 13 42 17 05	Spuren, Gebiet der Bonin-Inseln	28.6N;142.3E h= 35km H=22:00:32.8(U) 28.7N;142.2E 22:00:34 (M)
8. s	e	23 23 58		
8. s,n	e	23 51 51		
9. s s E H,E,V	eP e eSKS eL	01 57 49 58 44 02 08 24 43	Lazon, Philippinen	16.3N;122.4E h N H=01:44:57.5(U) 16.2N;122.6E 01:44:57 (M)
9. s,n,e	e	03 12 10	t14 an1.5 ae1.5 av1.5	
9. s,n,e s,n	1P epP	07 59 08.8K 1.1/42 / / 59 17	Kurilen	43.3W;146.9E h N H=07:47:14.9(U) 43.3W;146.8E 07:47:15 (M)
9. s s,n,e s s,n,V H H,E,V	ePKP e ePP ePKS eSS eLm	08 17 00 17 09 19 56 20 36 38.1 09 21	137.5° Neue Hebriden	14.2S;167.2E h= 9km H=07:57:31.0(U) 15.0S;168.0E 07:57:30 (M)
9. s	e	09 25 46	t20 an7.5 ae5 av3.5	

Oktober 1973

9. s	e	10 37 22		
9. s,n,e s,n,e	1Pg 1Sg	14 00 28.3 00 44.8	Sprengung	
9. s,n,e	e	16 54 34		
9. s	eP	19 16 00	Zentraler Mittel- atlantischer Rücken	7.4N; 35.2W h N H=19:06:02.0(U)
9. s,n,e	e	21 31 57		
10. s,n	e	09 29 25		
10. s	e	11 01 54		
10. s,n s	e(P) e	11 10 01 10 29	E-liches Mittelmeer	34.3N; 28.4E h= 60km H=11:05:37 (M) 34.4N; 28.3E 63 11:05:35.5(U)
10. s	e	11 24 16		
10. s	e	12 00 55		
10. s	e	13 01 26		
10. s	e	17 27 13		
10. s	e	21 49 41		
11. s	eP	00 14 05	Golf von Kalifornien	29.7N;113.5W h N H=00:01:24.1(U)
11. s	eP	02 12 15		
11. s,e s,n,e,H,E,V s,e s s s H,E,V H,E V s	eP 1P1 1P2 e e e e e(S) eIm eL ePKPKP	02 17 58 18 11.7 18 18 20 20 21 07 22 08 26 45 36 43 47 24	2.6/370 2.5/125 2.3/170 Zentraler Mittel- atlantischer Rücken	0.8N; 29.2W h N H ₁ =02:07:40.5(U) 0.6N; 29.5W h N H ₂ =02:07:52.7(U)
11. s	e	03 23 52	Spuren	
11. s	e	05 29 10	Spuren	
11. s	e	07 58 37	Spuren	
11. s	1PKP	08 57 30.0	1.1/26 Gebiet der Fidschi-Inseln	18.0S;178.7W h=654km H=08:39:00.8(U)
11. H,E	eL	10 56		
11. s,e	e	11 10 16		
11. s	e	13 27 39		

Oktober 1973									
11. s	e	15 06 44							
11. s,n	e	16 52 23							
11. s H,E,V	eP eL	18 44 57 19 28	Vor der E-Küste von Hondo, Japan	34.9N;141.6E h= 52km 35.0N;141.9E	H=18:32:35.4(U) 18:32:27 (M)				
11. s s	eP e	19 46 45 46 56	Golf von Kalifornien	29.7N;113.4W h= 32km	H=19:34:04.7(U)				
11. s,n,e s	1PKP e	21 38 15.9D 41 30	1.2/57 / 0.8/15 Gebiet der Fidschi-Inseln	18.38;178.1W h=619km 18.58;177.9W	H=21:19:42.8(U) 21:18:41 (M)				
12. s	e	02 27 03							
12. s,n,e s H,E,V	eP ePP eLm	03 02 08 03 57 22	1.5/56 / / Tadachikische SSR	37.7N; 72.0E h= 11km 37.4N; 71.9E 10	H=02:54:07.7(U) 02:54:06 (M)				
12. s,n,e	eP	06 06 35	Vor der Küste von Oregon	43.7N;127.5W h= 6km 43.7N;128.4W	H=05:54:27.7(U) 05:54:31 (M)				
12. s,n	eP	07 51 05							
12. s	e	08 41 30	Gebiet von Spitzbergen	77.1N; 5.9E h N 77.8N; 9.3E	H=08:35:51.9(U) 08:35:54 (M)				
12. s s,n,e s s,n,e	1Pb 1Pg 1 18g	09 59 39.7 59 40.9 59 42.4 59 59.1	155km Sprengung 17.8t	50.90°N;15.07°E	(C)				
12. s	e	10 34 14							
12. s,n,e s s,n,e	1Pg 18g eL	15 38 01.5 38 26.8 38 35	Spuren Sprengung						
12. s	e	16 35 12							
12. s	eP	17 12 18	Unterirdische Kernexplo- sion "HUSKY ACE", Nevada-Festort	37°12'01.4"N;116°12'11.5"W h= 0km	H=17:00:00.8(U)				
12. s,n,e	e	17 37 40							
12. s	eP	18 18 13	Nähe der Küste von Peru	16.0S; 74.0W h= 47km 16.1S; 73.9W	H=18:04:29.3(U) 18:04:28 (M)				
12. s,e	eP	23 12 26	N-atlantischer Rücken	12.5N; 53.7W h N	H=23:02:20.6(U)				
12. s	1PKP	23 56 32.8K	1.2/26 Gebiet der Fidschi-Inseln	17.6S;179.2W h=588km	H=23:37:59.9(U)				
13. s	1P	01 56 31.4K	1.4/18 Golf von Kalifornien	29.6N;113.6W h= 15km	H=01:43:47.2(U)				
13. s	eP	06 04 55	Mittelmeer, SE-lich Kreta	34.8N; 26.5E h=100km 34.7N; 26.2E 39 34.8N; 26.2E	H=06:00:41 (B) 06:00:33.7(U) 06:00:34 (M)				

Oktober 1973									
13. s,n	e	06 57 06	Bergschlag Oberschlesien, Polen						(P)
13. s	e	08 55 21							
13. s	1P	10 12 05.4	Gebiet von Hokkaido, Japan	42.3N;145.8E h= 40km 42.2N;145.5E	H=10:00:10.1(U) 10:00:14 (M)				
13. s	1P	16 36 14.6K	1.0/14 Gebiet von Hokkaido, Japan	41.9N;142.3E h= 71km 42.1N;142.6E	H=16:24:27.3(U) 16:24:22 (M)				
13. s s	1P 1	20 37 00.0D 37 11.1	0.9/21 Kjuschu, Japan	30.7N;131.9E h= 12km	H=20:24:37.2(U)				
13. s,e s,n,e	1Pg 18g	21 03 58.5 03 13.6	Spuren						
13. s	eSg	21 15 46	Spuren						
13. s s,n,e	1Pg 18g	21 16 09.1 16 24.4	Spuren						
13. s s,n,e	1Pg 18g	21 16 44 16 59.0	Spuren						
13. s,n,e s,n,e n	1Pg 18g 1	21 17 28.9 17 44.0 17 46.2							
13. s s,n,e	1Pg 18g	21 18 11.3 18 26.3	Spuren						
14. s	eP	06 32 29	N-Atlantik	58.6N; 31.9W h N 58.6N; 31.9W	H=06:26:54.4(U) 06:26:54 (M)				
14. s,n,e	e	08 26 30							
14. s	e	16 36 12							
14. s,n,e s,e n H,E,V	1P 1 1 eLm	18 11 26.5 11 31.9 11 35.9 21	0.7/16 / / Mittelmeer, SE-lich Kreta	34.8N; 26.5E h=100km 34.8N; 26.2E 45 34.5N; 26.1E	H=18:07:12 (B) 18:07:05.7(U) 18:07:03 (M)				
14. s,n	e	22 05 20							
14. s,n,e,v s,n,e s s E H H,E,V	1P 1pP e ePP 1PoP eSS e eL	22 15 09.7K 15 17.1 15 39 16 46 17 19.9 23 49 25 03 35	1.7/51 / / 39° 1.5/36 N-lich Severnaja Semlja	85.0N; 99.5E h N 85.0N;100.8E	H=22:07:46.8(U) 22:07:44 (M)				
14. s s s	1PKP opPKP e(P)	22 25 46.8D 26 00 27 54	1.0/13 Salomonen	6.4S;154.9E h= 60km	H=22:06:50.4(U)				
15. s	ePKP ₂	02 23 35	Spuren, Gebiet der Kermadec-Inseln	28.6S;178.6W h= 22km	H=02:03:12.8(U)				
15. s s	1P e	03 33 43.7 33 50	1.2/21 Kurilen	45.4N;151.5E	H=03:21:51 (M)				



Oktober 1973

15. s	o	04 16 03	Spuren, Nahe der K-Klats von Hondo, Japan	40.1N; 142.4E h= 54km H=04:04:00.7(U) 40.2N; 142.5E 04:03:58 (M)
15. s	o	06 44 50	S-lich der Kermadec - Inseln	32.7S; 179.7W h N H=06:24:35.9(U)
15. s, o	o	15 11 38		
15. s	oPKP ₂	16 20 18	Spuren, S-lich der Kermadec-Inseln	32.7S; 179.6W h N H=15:59:45.7(U)
15. s, o	oP	20 30 24		
16. s	o	00 19 19		
16. s	oPKP ₂	00 39 07	1.7/15 S-lich der Kermadec-Inseln	32.7S; 179.7W h= 48km H=00:18:37.6(U)
16. s	oP	10 00 22	Nepal	28.2N; 82.9E h N H=09:50:49.3(U) 29.0N; 83.1E 09:50:48 (M)
17. s	o	02 05 39	Spuren	
17. s, n, o	iP	03 23 59.9K	43.5°	
s, n, o, N, E	i	24 00.9	2.0/345 1.6/82 1.7/140	
s	ipP	24 47.9		
s, o, E, V	oKP	24 56.7	Grenzgebiet Afghanistan-UdSSR	36.4N; 71.2E h=221km H=03:16:18.6(U) 36.4N; 71.1E 220 03:16:18 (M)
s, o	i	25 27.0		
s, n, o, N, E, V	oPP (oder PoP?)	25 47		
s, o	oPPPP	26 43		
s	o	26 52		
N, E	o	27 03		
N, E	o(SS)	31 29		
s	o	33 16		
s, V	o	33 35		
N	o	33 55		
	P	36.8		
		04		
17. s	1(P)	11 32 21.2		
17. s	o	20 20 18		
17. s	iP	20 37 25.7D	Grenzgebiet Panama-Kolumbien	7.5N; 77.2W h= 15km H=20:24:52.2(U) 6.0N; 77.7W 20:24:49 (M)
17. s	o	21 14 48	Chiapas, Mexiko	17.4N; 93.8W h=202km H=21:02:24.9(U)
17. s	o	15 20		
17. s	o	15 35.4		
17. s	o(P)	22 23 26		
17. s	o	22 59 18	S-atlantischer Rücken	25.4S; 13.7W h N H=22:46:59.9(U)
17. s	o	23 00 19		
18. s	o	01 09 21		
s	o	10 07		



Oktober 1973

18. s, n, o	iP	01 21 49.4	1.6/120 1.6/33 1.6/45	
s, o	i	22 15.7	87°	
s	o	23 01		
s	oPP	25 06	Kostarika	9.2N; 84.0W h= 41km H=01:09:04.8(U)
E	oSKS	32 20		
E, V	oIm	58		
18. s	o(P)	09 31 15	Kolumbien	3.0N; 74.9W h= 42km H=09:18:32.6(U)
18. s, n, o	iP	11 02 39.8D	1.8/63 / 2.4/100	
s, n, o, N, E, V	oPP	06 20	91° MLH=6.0	
N, E	oSKS	13 16		
N, E	oPS	14 52	t14 an2.5 ae3	
N, E	oIm	47	t13 an2 ae2.5 av3	
N, E, V	oL	51		
			Nahe der Klats von Jalisco, Mexiko	19.4N; 105.0W h= 45km H=10:49:37.5(U) 19.7N; 105.0W 10:49:37 (M)
18. s, n	iP	11 47 45.6	1.9/60 1.5/25	
s	i	47 53.5		
s	oPP	49 21	N-lich Severnaja Semlja	85.0N; 99.6E h N H=11:40:23.4(U) 84.9N; 97.7E 11:40:19 (M)
18. z	oP	13 59 24	N-Atlantik	20.0N; 62.9W h N H=13:48:38.3(U)
18. s	o	17 11 08		
18. s	o	17 42 35		
18. s	iP	20 52 40.3D		
19. s	oP	00 19 46	S-lich des Peloponnes, Griechenland	36.8N; 21.7E h N H=00:16:07 (B) 36.9N; 21.6E 00:16:04.5(U)
19. s	oPKKP	00 32 55	1.9/33	
s, n, o	iPKP ₂	33 32.6D	1.6/56 1.7/40 /	
s	o	34 05	159°	
s	oPP	37 11	1.8/52	
			Gebiet der Macquarie-Insel	54.7S; 158.5E h N H=00:13:00.5(U) 54.4S; 160.2E 00:12:54 (M)
19. s	o	00 47 41		
19. s	oP	02 44 28		
19. s	oP	03 22 29	Spuren, Gebiet von Taiwan	24.4N; 122.7E H=03:10:13.1(P)
19. s, n, o	i	09 08 05		
19. s	o	11 02 24		
19. s	oP	15 51 16	Norwegisches Meer	73.6N; 10.6E H=15:46:09 (M)
19. s, n, o	o	17 29 10		
19. s	iP	21 15 59.5K	1.0/30	
s	ipP	16 14.3	Kurilen	44.1N; 149.0E h= 51km H=21:04:07.8(U) 44.1N; 149.2E 21:04:05 (M)
19. s, n, o	iP	23 52 00.7K	0.9/51 / 1.1/14	
s, o	ipP	52 15.1	Kurilen	44.2N; 149.0E h= 51km H=23:40:09.4(U) 44.0N; 149.2E 23:40:08 (M)
20. s, n	iP	00 36 28.5K	1.1/24 /	
			Kurilen	44.1N; 149.1E h= 49km H=00:24:36.3(U) 44.1N; 149.2E 00:24:34 (M)
20. s	o	01 15 17	Bergschlag Oberschlesien, Polen	(P)
s	o	15 33		

Oktober 1973

20. s	e	08 04 36			
20. s,n,e	1	12 07 31.9	Bergschlag Oberschlesien, Polen		(P)
20. s	1PKP	16 29 52.2	1.5/40 Gebiet der Fidschi-Inseln	18.38;178.2W h=596km	H=16:11:17.5(U)
20. s	1P epP	18 19 42.3 19 52	Gebiet von Hokkaido, Japan	41.7N;143.7E h= 38km 41.9N;143.9E	H=18:07:47.1(U) 18:07:47 (M)
20. s s,n,e,v	ePKKP 1PKP 1PKP epPKP	20 11 41.0 11 46.0D 11 52.2K 14 05	1.7/37 1.5/240 1.5/80 1.6/56 1.5/78 149° Gebiet der Fidschi-Inseln	21.78;179.4W h=614km 21.68;178.8W 500	H=19:53:05.5(U) 19:52:54 (M)
20. s	e	22 52 04			
21. s	1P ipP	11 11 33.1K 11 43.5	1.5/19 Gebiet der Insel Unimak	53.8N;163.1W h= 44km 54.6N;163.6W	H=10:59:53.5(U) 10:59:57 (M)
21. s	1PKP epPKP	11 40 32 42 51	K 1.2/28 1.2/27 S-lich der Fidschi-Inseln	22.28;179.6W h=607km	H=11:21:50.8(U)
21. s	ePKP ₁	13 58 04	Gebiet der Fidschi-Inseln	21.28;178.7W h=572km	H=13:39:20.7(U)
21. s	ePKP	14 04 35	Gebiet der Fidschi-Inseln	15.18;176.5W h= 50km	H=13:45:09.5(U)
21. s,n,e	1PKP ipPKP ₁	14 22 31.6 22 50.5	1.0/37 / / S-lich der Fidschi-Inseln	24.18;176.5W h= 85km 24.18;176.4W	H=14:02:45.2(U) 14:02:39 (M)
21. s	1P	19 52 33.2	0.9/18 Nahe der E-Küste von Hondo, Japan	35.6N;140.7E h= 60km 36.1N;140.5E	H=19:40:18.5(U) 19:40:18 (M)
21. s,n,e	1PKP epPKP ₁	21 27 08.1K 29 11	0.8/38 / 0.9/13 S-lich der Fidschi-Inseln	23.88;179.7E h=558km	H=21:08:17.8(U)
22. s	e	11 32 27 32 43			
22. s,n	e	15 46 53			
22. s,n,e	e(Sg)	18 21 00	Wachau, Niederösterreich	48.3N; 15.4E h= 4km	H=18:19:15 (W)
23. s,n,e	e	04 43 50			
23. s	e	05 08 55	Spuren		
23. s,n	e	05 56 41			
23. s,n,e	e 1	08 55 34 56 32.2			
23. s,n,e	ep	10 53 27	Gebiet von Vrancea, Rumänien	45.7N; 26.6E h=170km 45.7N; 26.5E 174 45.8N; 26.6E 150	H=10:51:00 (B) 10:50:58.6 (U) 10:50:59 (M)

Oktober 1973

23. s,e	e	11 22 56			
23. s,n,e	e	15 54 59			
23. s s,n,e	1Pg 18g	16 03 12.7 03 30.9	Spuren Sprengung		
23. s,n,e	e	16 15 36			
23. s,n	e	16 46 11			
23. s	e	20 46 52	Spuren		
23. s	e	21 23 02	Spuren		
23. s	e	21 41 03	Spuren		
23. s	e	21 45 42	Vor der Küste von Jalisco, Mexiko	17.9N;106.2W h N	H=21:28:26.2(U)
23. s	1P	22 14 45.7K			
23. s	ep	23 45 06	S-lich von Hondo, Japan	32.3N;141.8E h N	H=23:32:31.0(U)
24. s	ep e	01 44 18 44 28	S-ohinesisches Meer	21.0N;109.8E	H=01:32:18.4(W)
24. s	e	02 59 39	Spuren		
24. s	ePKP e	03 27 53 28 50	Gebiet der Fidschi-Inseln	16.88;177.1W h N	H=03:08:19.2(U)
24. s	1P	04 38 35.9K	0.8/15 Ochotskisches Meer	48.3N;146.2E h=470km 48.4N;146.2E 490	H=04:27:54.8(U) 04:27:57 (M)
24. s	ep	04 54 37	1.6/24 Nahe der E-Küste von Kamtschatka	56.0N;162.9E h N 56.2N;163.0E	H=04:43:26.6(U) 04:43:27 (M)
24. s	e	05 16 29			
24. s,n,e	1P e e(FP) 1	05 32 31.6K,W 32 40 34 37 34 46.4	1.8/63 / 1.5/26 E-Kaschmir	33.1N; 75.9E h N 33.2N; 76.0E	H=05:23:51.0(U) 05:23:51 (M)
24. s	1P	11 04 41.9D			
24. s,n	e	11 37 15			
24. s	1P	11 39 13.8K	0.9/29 Ochotskisches Meer	48.4N;146.3E h=450km 48.2N;146.6E 500	H=11:28:30.9(U) 11:28:34 (M)
24. s,n n,e s,n,e s,n	1Pn e 18g eL	13 00 00.0 00 05 00 25.3 00 46	200km Spuren Sprengung	34.0t 49.59°N;13.67°E	(O)

Oktober 1973

24. z,n,e	o	16 16 23			
24. s,n,e	o	19 48 38			
24. s	oP	20 05 58	E-Kaschmir	33.1N; 75.7E h= 52km H=19:57:17.9(U) 33.3N; 76.0E 19:57:17 (M)	
24. s,n	o	20 30 07			
25. s,n	o	03 05 45			
25. s,n,e	o	08 55 22	Nahbeben		(W)
25. s	o	13 02 43			
25. s,n,e,H,V	1P	14 21 44.1D,W	2.0/310 2.5/76 1.8/120		
	o	22 04	99° h=530km		
	i	23 38.0			
	1P	23 41.9	Provinz Salta,	22.08; 63.7W h=529km H=14:08:59.5(U)	
	i	23 50.4	Argentinien	22.18; 63.6W 530 14:09:01 (M)	
	o	24 19			
	o	24 26			
	o	24 45			
	1PP	25 52.9	2.3/320 3.0/1450		
	1SKS	31 33.3N,E	t9:5 an2.3 ae7.7		
	oS	32 28			
	o	33 54			
	oPS	35.1			
	o	37.4			
	oPKKP	38 07			
	oPKKP	38 38			
	oSS	39.4			
	oSKKP	40 11			
	oSSS	42.8			
	oPKPKP	46 23			
	oPKPKPKP	15 08 32			
25. s	1aP	15 03 53.8K	Peru	13.58; 72.4W h=106km H=14:49:51.7(U)	
25. s	1pP	15 25 26.8K	1.7/23		
	o(PP)	27 29	S-Bolivien	21.88; 63.6W h=548km H=15:10:40.2(U)	
25. s,n,e	o	17 08 59			
26. s	oP	03 34 17	Nahs der E-Küste von Kamtschatka	56.3N; 162.9E h N H=03:23:09.2(U) 55.9N; 163.1E h=110km 03:23:14 (M)	
26. s,n,e	1P	04 34 37.6K	0.7/56 0.6/20 0.8/32		
	oPn	36 05			
	o	36 34	Unterirdische Kernexplosion, Gebiet von Semipalatinsk, Kasachische SSR	49.9N; 79.0E H=04:27:00 (B) 49.8N; 78.2E h= 0km 04:26:57.7(U)	
26. z	oP	05 51 47	SE-Alaska	59.1N; 135.4W h N H=05:40:56.1(U) 59.5N; 135.5W 05:40:58 (M)	
26. s,n,e	1P	06 05 30.4	Unterirdische Kernexplosion, S-liches Uralgebirge, RSPSR	53.7N; 55.6E H=06:00:00 (B) 53.7N; 55.4E h= 0km 05:59:57.6(U)	
26. s	o	08 02 52			
26. s,n,e	o	10 01 06			
26. s,n	oP	10 20 45	Peloponnes, Griechenland	37.7N; 21.7E H=10:17:04 (d)	

Oktober 1973

26. z	oP	10 21 57.2	Kurilen	45.3N; 150.0E h= 60km H=10:09:10.9(U) 45.4N; 150.1E 10:09:11 (M)
26. s,n	o	15 23 41		
26. s	1PKP ₁	15 30 45.9D	1.0/35 Gebiet der Fidisch-Inseln	20.48; 177.7W h=525km H=15:11:59.1(U)
26. s	o	15 36 08		
26. s	oP	18 48 25	S-lich von Hondu, Japan	29.0N; 142.4E h= 43km H=18:35:33.4(U) 28.6N; 142.7E 18:35:25 (M)
	oPP	51 53		
26. s	o	23 41 11		
27. s,n	oP	00 23 35	Mittelmeer, S-lich Malta	35.1N; 14.7E H=00:19:50 (B) 33.0N; 11.8E 00:19:27 (M)
27. s	oP	02 53 51	N-atlantischer Rücken	17.1N; 46.3W h N H=02:43:59.1(U)
27. z,n,e	1Pg	05 48 16.8		
	18g	48 31.9		
27. s,n,e,WH,WE,1P		07 05 41.9K,S,W	(1.0/4250)	
	H,E,V	t1.9 an7.1 ae3.5 av11.2		
	V	05 49.3	27° MPV _K =7.1 MPV ₁ =MPH ₁ =7.3	
	H,E,V	06 06		
	1Pa	06 22.4	MLH=6.7	
	i	06 27.9		
	V	10 40	Unterirdische Kernexplosion, Nowaja Semlja	70.8N; 53.0E H=07:00:00 (B) 70.8N; 54.2E h= 0km 06:59:57.4(U)
	WH,WE,H,E,V	oSa		
	E,V	o		
	H,E,V	oLg		
	H,V	oL		
	H,E,V	o(Lm)		
	oPKKP	38 19		
	o	39 16		
	o	39 27		
	oPKP ₂ PKP ₂	42 25		
	o	48 30		
	o	48 48		
	o	51 47		
	o	52 31		
	o	54 21		
	o	58 36		
	o	08 10 57		
27. s	oPKP	08 04 01	Neue Hebriden	18.18; 168.8E h= 33km H=07:44:27.2(U)
27. s	oPKP	08 13 12	Neue Hebriden	18.08; 169.1E h= 29km H=07:53:38.2(U) 17.58; 168.1E 07:53:40 (M)
27. s	oP	09 19 31	Nachstoß, Nowaja Semlja	71.3N; 51.9E h= 0km H=09:13:51.3(U)
27. s,n,e	o	09 24 34		
27. s	1P	09 59 00.0	1.1/28	
	oPP	10 00 43	Vor der Küste von W-Pakistan	24.6N; 62.1E h N H=09:50:38.2(U)
27. s,e	1Pa	11 00 31.0	230km Sprengung	
	1Pg	00 33.9	Oberschlesien, Polen	
	18n	00 55.8		
	18g	01 02.3		
27. s	oP	14 29 14	Iran	35.8N; 52.6E h= 21km H=14:22:45.8(U)
	o	29 18		

Oktober 1973

27. s	eP	15 50 36	Arabisches Meer	14.4N; 53.3E h N 13.4N; 53.5E	H=15:41:48.8(U) 15:41:43 (M)
27. s	ePKP ₁	17 01 22	S-lich der Fidschi-Inseln	25.78; 179.6E h=497km	H=16:42:22.8(U)
27. s	ePP	22 22 20	Spuren, Gebiet der S-Sandwich-Inseln	57.88; 25.6W h= 97km 58.68; 28.3W	H=22:03:02.3(U) 22:02:52 (M)
28. s	e	00 58 27			
28. s,n,e	ePg e 18g	03 57 32 58 20 58 25.9	450km Kleine Karpaten, USSR	48.4N; 17.1E 48.4N; 17.1E h= 2km 48.3N; 17.0E	H=03:56:16 (B) 03:56:15.4(U) 03:56:16 (M)
28. s,n,e	eP	10 06 49	1.7/47 1.5/21 1.7/25 N-atlantischer Rücken, N-lich Island	67.1N; 19.4W 66.6N; 19.9W h N	H=10:01:51 (B) 10:01:54.1(U)
28. s,n	eP	10 17 05			
28. s	eP	10 47 45	Spuren, N-atlantischer Rücken, N-lich Island	67.1N; 19.4W 66.7N; 19.7W h N	H=10:42:48 (B) 10:42:50.6(U)
28. s,n,e	eP	10 53 16	1.5/22 / / N-atlantischer Rücken, N-lich Island	67.1N; 19.4W 66.7N; 19.3W h N 67.2N; 17.3W	H=10:48:18 (B) 10:48:23.0(U) 10:48:27 (M)
28. s	eP	10 58 17	1.9/37 N-atlantischer Rücken, N-lich Island	66.8N; 19.7W h N	H=10:53:21.3(U)
28. s,n,e	eP	11 16 57	1.7/68 / 2.0/66 N-atlantischer Rücken, N-lich Island	67.1N; 19.4W 67.0N; 19.3W h N 67.2N; 18.5W	H=11:12:00(B) 11:12:02.5(U) 11:12:03 (M)
28. s,n	eP	11 20 26	N-atlantischer Rücken, N-lich Island	67.1N; 19.4W	H=11:15:27 (B)
28. s,n	eP	11 30 36	1.8/29 / N-atlantischer Rücken, N-lich Island	66.8N; 19.5W h N	H=11:25:40.6(U)
28. s,n,e	eP eLm	11 36 39 47	1.9/150 2.0/140 1.9/97 N-atlantischer Rücken, N-lich Island	67.1N; 19.4W 66.9N; 19.2W h N 67.1N; 18.9W	H=11:31:40 (B) 11:31:44.1(U) 11:31:40 (M)
28. s	e	11 47 42	Spuren		
28. s,n,e	eP	11 52 31	1.9/48 1.6/32 1.8/32 N-atlantischer Rücken, N-lich Island	67.1N; 19.4W 66.8N; 19.3W h N	H=11:47:33 (B) 11:47:37.6(U)
28. s,n,e	eP	12 06 45	1.7/39 / / N-atlantischer Rücken, N-lich Island	67.1N; 19.4W 67.3N; 19.0W h N	H=12:01:44 (B) 12:01:47.8(U)
28. s	ePKP ePKP ₂ e	14 04 33 05 13 05 27	S-lich der Kermadec-Inseln	33.08; 179.2W h= 95km 24.48; 178.4E	H=13:44:45.9(U) 13:44:53 (M)
28. s	eP	14 13 39	Spuren, S-liche Kurilen	45.3N; 147.7E	H=14:01:49.6(B)

Oktober 1973

28. z,n,e	1P eLm	14 30 49.7 41	1.7/50 / / N-atlantischer Rücken, N-lich Island	67.1N; 19.4W 66.9N; 19.5W h N 67.1N; 18.1W	H=14:25:50 (B) 14:25:54.3(U) 14:25:56 (M)
28. s	1P	15 04 32.1	1.0/19 Negros, Philippinen	9.1N; 123.9E h=554km 5.6N; 124.7E	H=14:52:04.1(U) 14:50:58 (M)
28. s	1P	22 34 28.8D	1.2/28 Nahe der E-Küste von Hondo, Japan	35.6N; 140.7E h= 57km 36.0N; 140.4E	H=22:22:12.9(U) 22:22:13 (M)
29. s	e	02 24 57			
29. s	ePP N,E,V eLm	05 46 58 06 39	W-Mouguinea t19 an2 ae2 av3	3.08; 139.3E h= 36km 2.98; 139.6E	H=05:27:25.5(U) 05:27:25 (M)
29. s	e	08 12 45			
29. s,n	e	08 15 50			
29. s,n,e	eP	08 46 41	1.7/26 / / N-atlantischer Rücken, N-lich Island	66.5N; 19.3W h N	H=08:41:47.0(U)
29. s	e	13 42 48	Spuren		
29. s	eP	14 07 24	2.0/28 N-atlantischer Rücken, N-lich Island	66.5N; 19.6W h N	H=14:02:30.2(U)
29. s	1P eSP	14 57 03.0D 57 22	1.3/38 Kurilen	44.4N; 149.7E h= 52km 44.9N; 149.5E	H=14:45:11.3(U) 14:45:12 (M)
29. s	e	16 05 52	Gebiet der Philippinen	19.2N; 121.1E h= 50km 19.0N; 121.5E	H=15:53:07.9(U) 15:53:05 (M)
29. s	eP	21 11 48			
29. s	e(S)	21 16 14	Adria, Vor der Küste von Albanien	41.5N; 19.3E 41.5N; 19.0E h N 41.9N; 19.3E	H=21:11:09 (B) 21:11:11.6(U) 21:11:15 (M)
30. s	e	01 05 19			
30. s	ePn e s,n e s e s,n,e iL	01 16 21 16 40 17 45 18 10.2 18 17 18 48.6 19 46.9	1070km Mittelitalien	41.7N; 13.8E 41.7N; 13.9E h N 41.5N; 13.4E	H=01:14:06 (B) 01:14:06.0(U) 01:14:01 (M)
30. s	i(P) i e	03 08 26 08 39.7 08 49	1.8/42 NW-lich Spitzbergen, N-atlantischer Rücken	81.0N; 3.0W 81.5N; 5.1W h N 81.5N; 5.5W	H=03:02:07 (B) 03:02:05.5(U) 03:02:04 (M)
30. s	1PKP ₂	04 52 29.1D	Kermadec-Inseln	29.28; 177.5W h= 63km	H=04:32:12.6(U)
30. s,n,e	e	12 22 40			
30. s	e	14 41 25			

Oktober 1973

30. s	o	14 44 46			
30. s	oP	16 05 38 05 49	Iran	36.9N; 50.7E h= 45km H=15:59:30.0(U) 37.2N; 50.7E 15:59:28 (M)	
30. s	o	22 08 54			
30. s	o	23 47 54			
31. s	o	00 01 03			
31. s	oP	03 50 00			
31. s	1 o	08 42 23.6 42 35			
31. s, n, o	o	09 58 20			
31. s	o oBg	18 13 03 15 30	Gebiet von Marzeille, S-Frankreich	43°22'N; 5°35'E h N H=18:10:08 (B) 43.4N; 5.6E 18:10:08.7(U)	
31. s, n, o	1P 1	23 18 52.7K 19 09.7	1.0/43 1.0/13 1.0/17 Gebiet von Hokkaido, Japan	42.8N; 145.3E h= 54km H=23:07:01.6(U) 43.0N; 144.8E 23:07:02 (M)	
31. s	oP	23 50 06	Spuren		

November 1973

1. s	o	01 39 48			
1. s	oP	02 50 51			
1. s	1PKP ₁	05 33 58.9D	S-lich der Fidshi-Inseln	23.88; 179.9W h=538km H=05:15:06.6(U)	
1. s, n	oPKIKP s, n, o, v s s	06 58 39 58 47.1K 58 56 07 02 24		1.7/52 1.9/41 1.2/195 1.5/55 1.1/34 1.5/165 152° S-lich der Fidshi-Inseln	24.28; 176.4W h= 35km H=06:38:54.1(U) 24.38; 176.6W 06:38:54 (M)
1. s, n	o	08 05 45			
1. s	o(P)	10 40 08			
1. s	o s, n, o s, n, o oBg	11 24 32 25 13 25 58	Kroatien, Jugoslawien	45.5N; 16.4E H=11:22:36 (B) 44.7N; 15.3E 11:22:29 (M)	
1. s, n, o	o	12 00 52			
1. s, n, o	o	22 51 28			
2. s, n, o	18g	00 55 10.2			
2. s, n	o	02 21 37			
2. s	oP o H, E, V	05 52 59 53 28 06 07	W-Iran t16 an3 ae1 av1.5	32.6N; 48.2E H=05:46:39 (B) 32.7N; 48.2E h= 55km 05:46:37.6(U) 32.0N; 48.1E 05:46:32 (M)	
2. s	oP	06 03 53	W-Iran	32.6N; 48.4E H=05:57:34 (B) 32.6N; 48.2E h= 59km 05:57:33.0(U) 32.2N; 48.3E 05:57:28 (M)	
2. s, n, o	1P o H, E H, E H, E, V	07 41 42.9 08 05 48 09 10	1.4/43 / / t13 an2.5 ae1.5 t13 an2 ae0.5 av2.5 E-liche UdSSR	54.1N; 125.8E h N H=07:31:33.5(U) 54.0N; 125.5E 07:31:30 (M)	
2. s	o	12 08 08			
2. s	1Pg 1Pn 1 18g	13 30 18.3 30 20.0 30 27.3 30 29.9	95km Spuren Sprengung 20.0t 50°27'N; 13°02'E		(C)
2. s, n, o	o	21 37 44			
3. s, n, o	1P	00 31 05.2K, S, E	1.1/105 1.3/42 0.9/19 Nahe der E-Küste von Kamtschatka	54.6N; 161.4E h= 61km H=00:19:51.5(U) 54.5N; 161.2E 80 00:19:52 (M)	
3. s	oP	01 58 29	E-Kolumbien	7.3N; 74.3W h= 18km H=01:46:05.3(U)	
3. s	oP	06 05 27	Gebiet der Insel Unimak	53.6N; 163.2W h= 40km H=05:53:45.6(U)	
3. s, o	1P oPPP	08 39 06.0 42 21	2.0/72 Carlsberg-Rücken	9.9N; 57.9E h N H=08:29:35.3(U) 9.8N; 57.7E 08:29:36 (M)	

November 1973

3. s	eP	14 31 47	Provinc Catamarca, Argentinien	26.18; 67.8W h= 36km H=14:17:41.8(U)
s	ePS	35 08		25.78; 68.3W
E,V	ePKP	45 17		14:17:38 (M)
s	eL	47 53	t22 an1 ae2 av2	
H,E,V	e	15 14	t16	
V	e	24		
4. s,n,e	e	05 09 30		
4. s	e	12 04 38	Spuren	
4. s	e	12 19 03		
4. s	ePKP	12 19 31	Banda-See	6.08;124.7E h=605km H=12:02:09.1(U)
s	e	19 57		6.08;124.8E
s	ePP	20 13		12:02:08 (M)
4. s	e	13 00 36	S-Yukon-Territorium, Kanada	61.6N;140.4W h= 7km H=12:49:37.6(U)
4. s,n,e	1P	13 12 33.8	1.5/46 / / Sachalin	53.9N;141.4E h N H=13:01:45.2(U)
				54.0N;141.6E
4. s,n,e	1P	15 55 24.6K,N	1.7/110 1.7/100 1.5/42	
s,n,e,H,E,V	1PP	55 36.3K,N,W	1.4/1400 1.4/620 1.4/300	
s	eSS	58 18	t1.9 an1.2 ae0.7 av1.8	
s,V	e	58 21	13.5° MLH=5.8	
n,e	eSSS	58 30		
n	e	59 37		
s,H,E,V	eLg2	59 49	t17 an24 ae45.5	
H,E,V	eL	16 01 14		
n,e	e	01 26		
H,E,V	1Im	01 41	t14 an46 ae25 av47.5	
	P	17	H-lich der Insel Lefkas, Ionisches Meer	38.9N; 20.6E H=15:52:18 (B)
				38.9N; 20.4E h= 8km 15:52:11.7(U)
				38.8N; 20.3E 15:52:13 (M)
4. s,n,e	1PP	16 15 00.0D	1.5/70 1.4/37 /	
s	1	15 39.7	H-lich der Insel Lefkas, Ionisches Meer	38.9N; 20.6E H=16:11:42 (B)
				39.1N; 20.5E h= 6km 16:11:36.0(U)
				38.6N; 20.2E 16:11:35 (M)
4. s,n	1P	20 10 26.9	1.7/34 1.2/13	
s	1pP	10 38.9	Vor der E-Küste von Kamtschatka	52.5N;160.8E h N H=19:58:59.0(U)
				52.5N;160.8E 19:58:58 (M)
5. s,n,e	e	01 05 51		
5. s	eP	02 28 57	Guerrero, Mexiko	18.7N;100.6W h= 88km H=02:16:08.5(U)
5. e	e	08 43 24	Mittelitalien	41°41'N;13°48'E H=08:40:48 (B)
s,n,e	eP	43 31		41.7N; 13.8E h N 08:40:46.7(U)
s,n,e	1(Sn)	43 58		
s,n,e	e	44 53.9		
		47 05		
5. s,n	e	10 56 22		
5. s	1PKP1	11 38 48.9	0.8/30	
s	ePKP2	38 59	S-lich der Fidschi-Inseln	24.38;179.2E h=580km H=11:19:59.3(U)
5. s	1PKP1	14 30 16.8D	1.0/23	
			Gebiet der Fidschi-Inseln	21.18;178.2W h=629km H=14:11:36.3(U)

November 1973

5. s	1P	20 12 35.9D	0.8/13	
s	epP	12 45	Vor der Küste von Hokkaido, Japan	42.6N;146.4E h= 63km H=20:00:42.1(U)
				42.9N;146.4E 20:00:41 (M)
5. s	eP	20 17 17	SE-lich des Van-Sees, E-Türkei	37.9N; 43.1E H=20:12:04 (B)
s,e	e	17 27		37.9N; 42.8E h= 47km 20:11:57.8(U)
				37.6N; 42.7E 20:11:55 (M)
5. s	e	23 33 18		
6. s	eP	00 01 36	S-lich von Hondo, Japan	33.1N;140.7E h= 67km H=23:49:11.5(U)
6. s,n,e,V	1PKP1	05 38 09.0	0.9/210 0.7/42 0.9/60	
s	1PKP2	38 18.7	S-lich der Fidschi-Inseln	23.88;179.1E h=546km H=05:19:18.3(U)
6. s	1PKP1	06 22 57.2D	1.0/34	
s	1PKP2	23 07.3	S-lich der Fidschi-Inseln	23.98;179.0E h=594km H=06:04:10.2(U)
6. s,n,e,V	1P	09 47 55.9K	1.9/87 1.9/56 /	
s,n	e	48 15		
s,e,H,E	eS	57 47	77° MLH=6.2	
H,E	ePFS	58 45	Andreanow-Inseln, Aleuten	51.6N;175.4W h= 34km H=09:36:05.0(U)
V	eSS	10 03		51.7N;175.3W 09:36:04 (M)
H,E,V	eL	21	t20	av11.5
H,E,V	eIm	27	t18 an9 ae7	av9
H,V	eL	28	t19 an10	av11.5
	P	12		
6. s	1P	10 35 21.2K	Kurilen	43.6N;147.9E h=104km H=10:23:32.3(U)
6. s,n,e,H,V	eP	18 38 25	1.7/145 1.8/70 1.4/28	
s	e	38 44	77° MLH=6.3	
s,V	ePP	41 26		
s,e,H,E	eS	48 13	Andreanow-Inseln, Aleuten	51.6N;175.2W h= 41km H=18:26:35.1(U)
H,E	ePFS	49 08		51.7N;175.3W 18:26:34 (M)
H,V	eL	19 17	t19 an16.5	av16
H,H,V	eL(m)	18	t18 an10.5 ae6.5	av10
	P	20 30		
6. s	1P	23 23 00.7K	1.7/31	
7. s	ePKP	07 37 36	Gebiet von Neu-Irland	5.98;153.6E h N H=07:18:39.8(U)
s	epPKP	37 51		6.58;153.0E 07:18:38 (M)
7. s,e	e	09 34 08		
7. s	1	10 29 13.5		
s	e	29 20		
7. s	1Pn	17 08 03.2	Toscana, Italien	44.0N; 11.2E H=17:06:16 (B)
s	e	09 48		44.0N; 11.2E h N 17:06:15.5(U)
s,e	eSg	10 22		
7. s	1PKP1	21 17 38.9K	1.6/61	
s	epPKP1	18 29	S-lich der Fidschi-Inseln	22.38;176.8W h=192km H=20:58:09.9(U)
7. s	e	21 51 02		
7. s	1PKP	21 57 28.2K	1.6/29	
8. s,n,e	1	01 17 59.4	Bergschlag Oberschlesien, Polen	

November 1973

November 1973

8. z, n	e	04 28 17					
8. z, n, e	e	07 58 38					
8. s	e	08 54 37					
8. z, n, e, H, V	1P i e8 eLm y	09 10 44.7K, E 1.3/210 2.2/280 0.9/49 11 05.2 74° MLH=6.6 20 15 21 19 Kurilen 47 t18 an23 ae11 av28 10 30	50.1N; 156.3E h N 50.1N; 156.4E	H=08:59:10.0(U) 08:59:09 (M)			
8. s	e	10 52 08					
8. s	e	11 58 04					
8. s	eP	13 31 03	Guerrero, Mexiko	18.1N; 99.7W h= 71km 18.8N; 99.7W	H=13:18:12.8(U) 13:18:11 (M)		
8. s	e	13 39 22					
8. s	e	16 18 51					
8. s	e	19 35 35					
9. s	e	07 10 26	Mittelmeer, S-lich des Peloponnes	36.0N; 22.0E 35.8N; 22.0E h N	H=07:06.5 (B) 07:06:24.0(U)		
9. z, n, e z, n, e	e e	08 48 57 49 36					
9. z, n, e z, n H, V	eP i eLm	13 49 36 49 41.7 14 12	1.9/84 / / t16.5 an5 av6 N-lich Spitzbergen	86°N; 33°E 86.1N; 32.7E h N 85.9N; 35.9E	H=13:42:42 (B) 13:42:43.7(U) 13:42:45 (M)		
9. s	eP e	14 24 30 25 17	Ratten-Inseln, Aleuten	52.4N; 178.4E h=182km 52.4N; 178.8E 140	H=14:13:03.5(U) 14:12:58 (M)		
9. s	eP	14 54 30	N-lich Spitzbergen	86°N; 33°E 86.0N; 33.2E h N 86.0N; 30°E	H=14:47.7 (B) 14:47:38.1(U) 14:47:33 (M)		
9. s	eP	15 16 28	N-lich Spitzbergen	86°N; 33°E 86.0N; 31.3E h N 86.0N; 31.0E	H=15:09.7 (B) 15:09:36.1(U) 15:09:36 (M)		
9. s	eP	18 58 21	S-Iran	27.9N; 55.3E 27.7N; 55.5E h= 39km 27.3N; 55.7E	H=18:50:57 (B) 18:50:50.4(U) 18:50:48 (M)		
9. z, e z, n	1P e	22 54 51.9D, W 1.7/79 54 58	1.6/34 Nahe der Kluste von N-Peru	4.0E; 81.0W h= 31km 3.9E; 81.2W	H=22:41:27.7(U) 22:41:29 (M)		
9. z, e	eP	23 38 44	1.4/20 / Gebiet der Nikobaren	6.0N; 94.0E h N 5.7N; 94.0E	H=23:26:39.0(U) 23:26:37 (M)		

10. z, e z, n, e z, n, e	e e e	02 35 07 35 55 36 15	Bergschlag Oberschlesien, Polen				(P)
10. z z, n, e z, n, e z, n, e z, n, e	ePn e e(Sn) e(Sg) e	03 02 57 03 49 04 19 05 19 05 28	810km Nahe Ancona, Adria	43.7N; 13.4E 44.0N; 13.2E h N	H=03:01:07 (B) 03:01:11.6(U)		
10. s	ePKP	09 40 50	Gebiet der Neuen Hebriden	19.1E; 167.4E h= 12km 19.0E; 168.0E	H=09:21:16.6(U) 09:21:14 (M)		
10. z, n, e	e	13 24 24					
10. s	e	15 17 36	Spuren				
10. s	e	17 08 17	Spuren				
10. z	ePKP ₂	22 31 23	Spuren, Gebiet der Kermadec-Inseln	31.1E; 179.6W h=288km	H=22:11:27.0(U)		
11. z, V z, N z z z H, E, V	1P, 1P ₂ i e e eLm	02 54 38.4 54 39.6D, N, E 1.8/330 1.8/135 1.1/2650.2N; 156.4E 54 46.0 56 05 56 44 03 31	Kurilen	50.0N; 156.4E h= 51km 50.0N; 156.4E	H=02:43:06.2(U) 02:43:04 (M)		
11. z, n, e	e	03 03 05					
11. z, n, e z, e z H, E, V	eP ePP e eLm	07 21 54 23 18 24 33 39	1.6/61 / 1.6/31 Farnistan, S-Iran t17 an4 ae2 av2	30.5N; 52.9E 30.6N; 52.9E h= 11km 30.2N; 53.0E	H=07:14:57 (B) 07:14:51.5(U) 07:14:47 (M)		
11. s	e	08 30 21					
11. z, n, e	ePKP	10 21 31	1.2/55 / / Gebiet der Fidschi-Inseln	18.1E; 178.4W h=583km	H=10:02:56.7(U)		
11. z z, n, e z	e e e	11 08 57 09 33 10 17					
11. z, n, e	e	11 39 52					
11. z, n, e z z	1PKP ₁ 1PKP ₂ epPKP	17 12 56.9K 13 03.9 15 12	1.0/68 0.5/17 1.0/16 0.9/22 S-lich der Fidschi-Inseln	22.1E; 179.5W h=568km	H=16:54:11.6(U)		
11. z, n, e	1Sg	20 07 49					
11. z z, n, e z, e z z z	1PKIKP 1PKP 1PKP ₁ 1PKP ₂ e e e	22 14 23.2D 14 27.0D 14 29 17 41 17 51 18 00	1.5/50 1.3/450 1.4/130 1.0/60 1.1/350 1.4/125 148° Gebiet der Fidschi-Inseln	19.9E; 176.5W h=274km 19.7E; 176.0W	H=21:55:13.1(U) 21:54:45 (M)		

November 1973

12. z	eP	00 11 31	E-lich Karpathos, E-liches Mittelmeer	35.3N; 27.9E h= 55km 35.5N; 27.7E 35.2N; 27.6E	h= 55km 69	H=00:07:13 (B) 00:07:13.3 (U) 00:07:09 (M)
z,n,e H,E,V	eL(m) eIm	11 37 19.1 20.4	t12 an2 ae3.5			
12. z,N,V	eP	00 16 13	E-liches Karpathos, E-liches Mittelmeer	35.3N; 27.9E 35.6N; 27.7E 35.1N; 27.3E	h N	H=00:11:46 (B) 00:11:52.3 (U) 00:11:43 (M)
z,n,e H,E,V	i e eL(m) eIm	16 19.1 16 32 16 37.4 23.8 25.2	t14 an5.5 ae10 t10 an7 ae5.5 av7			
12. z,n,e	e	02 38 40				
12. z	1PKP eIm	04 12 40.1D 05 09	Salomonen	6.28;154.5E h= 50km 6.18;154.6E	h= 50km	H=03:53:44.0 (U) 03:53:37 (M)
12. z	e	07 02 15	Spuren			
12. z	e	07 04 54				
12. z	e	07 58 35	E-lich Karpathos, E-liches Mittelmeer	35.3N; 27.9E 35.3N; 27.3E	h N	H=07:54:10 (B) 07:54:07.5 (U)
12. z	e	10 57 24	Spuren			
13. z	1P e	01 24 13.4 24 32	1.3/45 Nahe der E-Kuiste von Hondo, Japan	38.6N;142.1E h= 78km 38.8N;142.2E	h= 78km 60	H=01:12:11.5 (U) 01:12:10 (M)
13. z	1P	02 58 12.1K	0.9/34 NW-lich der Kurilen	49.6N;151.2E h=326km 49.6N;151.5E	h=326km 330	H=02:47:14.9 (U) 02:47:14 (M)
13. z	1PKP 1PKP ₁	16 29 34.2D 29 36.3D,N	1.2/54 1.0/570 0.8/115 0.8/115 Gebiet der Fidzchi-Inseln	18.38;178.1W h=571km 19.18;177.7W	h=571km	H=16:10:58.9 (U) 16:09:57 (M)
13. z	1(P)	16 43 18.1	0.8/14			
13. z,n,e	1PKP ₁	22 50 03.3D,N	0.9/91 0.6/34 0.7/23 Gebiet der Fidzchi-Inseln	17.78;178.7W h=554km 17.58;177.9W	h=554km	H=22:31:26.3 (U) 22:30:30 (M)
14. z,e	e 18g	01 16 39 17 02.9				
14. z,n,e	e 18g	06 53 29 53 35.6	Stadl an der Mur, Steiermark, Osterreich	47.1N; 14.0E		H=06:51:17 (W)
14. z,n,e	eP	09 38 20	E-lich Karpathos, E-liches Mittelmeer	35.3N; 27.9E 35.4N; 27.7E 34.6N; 27.5E	h= 55km	H=09:33:57 (B) 09:33:58.5 (U) 09:33:48 (M)
14. z,n,e	1Pg 18g	13 31 15.9 31 30.8	120km Sprengung 3.7t	50.76°N;14.42°E		(O)
14. z	e	22 53 27				
15. z,n,e	e	05 01 29				

November 1973

15. z,n,e	eP e eIm	06 15 49 15 55 39	2.8/150 / / 2.2/170 N-lich der Insel Ascension	1.48; 15.9W h N 1.48; 16.0W		H=06:05:57.4 (U) 06:05:55 (M)
15. z	eP	08 31 57	Gebiet der Nikobaren	9.9N; 93.8E h N 10.2N; 93.8E		H=08:20:09.3 (U) 08:20:11 (M)
15. z,n,e	i e 18g	08 36 46.3 36 49 36 53.2	Murau, Steiermark, Osterreich	47.1N;14.15°E		H=08:34:36 (W)
15. z,n,e	e	09 10 53				
15. z,n,e	1P e eIm	15 16 25.7K 16 32 40	2.8/250 / / N-lich der Insel Ascension	1.48; 15.8W h N 1.38; 16.2W		H=15:06:35.5 (U) 15:06:30 (M)
15. z,n,e	e	19 53 13				
16. z,n	i i i	11 00 33.3 00 39 00 59.4	Sprengung 6.9t	50.54°N;14.65°E		(O)
16. z,n,e	e e	12 12 16 12 30	Bergschlag Oberschlesien, Polen			(P)
16. z,n,e	e8g	17 02 14				
16. z,e	1PKP ₁	18 22 28.8D	0.8/52 / Gebiet der Fidzchi-Inseln	18.18;178.4W h=608km		H=18:03:55.4 (U)
16. z	e i	19 51 05 51 13.8	Tonga-Inseln	20.68;174.3W h N		H=19:31:16.1 (U)
16. z	1PKP e i	23 28 31.4K 28 36 28 50.2	1.4/46 S-lich von Australien	51.28;139.5E h N 51.88;139.6E		H=23:08:49.0 (U) 23:08:51 (M)
17. z,e	eP	00 38 23	1.3/39 Kurilen	43.2N;147.3E h N 43.2N;147.2E		H=00:26:27.3 (U) 00:26:28 (M)
17. z,n,e,V	1P i eL eL V	11 02 40.0D 02 45.8 35 37	1.5/90 1.8/40 1.4/34 Carlsberg-Rücken	1.68; 69.6E h N 1.98; 70.0E		H=10:51:21.8 (U) 10:51:21 (M)
17. z	e	13 51 04				
17. z	e	14 41 41	Gebiet der Maskarenen	20.28; 66.4E h N 20.58; 67.8E		H=14:28:48.1 (U) 14:28:41 (M)
17. z	e	16 21 23				
17. z	e e e	16 29 15 29 24 29 39				
17. z,n,e	e	19 20 21				
18. z,n,e	e	04 19 26				
18. z	eP	08 51 15	Luzon, Philippinen	15.9N;119.2E h N 16.7N;119.6E		H=08:38:26.5 (U) 08:38:30 (M)

November 1973

18. z	e	08 56 41						
	e	57 25						
18. z,n,e	1P	12 19 25.9D	0.9/70 0.6/27 1.0/29	44.5N; 148.8E	h= 50km	H=12:07:35.8(U)		
			Kurilen	44.8N; 148.6E		12:07:36 (M)		
18. z	eP	16 05 10	Kiushu, Japan	31.9N; 129.2E	h= 45km	H=15:53:03.3(U)		
				31.9N; 129.3E		15:53:02 (M)		
19. z	ePKP ₁	02 48 07	S-lich der Fidshi-Inseln	25.5S; 176.2W	h= 77km	H=02:28:16.4(U)		
19. z,n,e	1P	07 33 20.6D	E-lich Karpathos,	35.3N; 27.9E	h= 55km	H=07:29:00 (B)		
	e	33 26	E-liches Mittelmeer	35.4N; 27.6E	h N	07:28:57.6(U)		
				35.0N; 27.5E		07:28:55 (M)		
19. z	eP	11 33 24	Provins Salta, Argentinien	24.7S; 64.6W	h= 40km	H=11:19:35.1(U)		
	e	36 54						
	eLm	12 17						
19. z,n,e,V	1P	13 13 58.8K,S,W	1.2/620 1.4/260 1.3/145					
	i	14 04	80° MLH=6.8					
	i	14 10						
	i	14 24	Nahe der E-Küste von	38.9N; 141.9E	h= 56km	H=13:01:56.1(U)		
	eS	24 12	Hondo, Japan	39.1N; 142.0E	50	13:01:55 (M)		
	eLm	52	t17 an31.5 ae8 av33.5					
19. E,V	eLm	19 42	Mittelohile					(U)
19. z	1P	21 23 19.8K	1.3/60					
	1pP	23 32.5D	Nahe der E-Küste von	38.9N; 141.9E	h= 60km	H=21:11:17.1(U)		
			Hondo, Japan	38.9N; 142.0E		21:11:14 (M)		
20. z	i(P)	00 48 35.2D						
20. z	e(P)	02 40 19	Iran	31.8N; 54.6E		H=02:33:16 (B)		
				32.0N; 54.5E	h= 45km	02:33:17.7(U)		
				32.1N; 54.6E		02:33:15 (M)		
20. z	eP	13 05 56	14° MLH=5.0					
	1FP	06 09.9	Sporaden, Griechenland	39.3N; 24.0E		H=13:02:36 (B)		
	e	06 32		39.4N; 24.0E	h N	13:02:36.8(U)		
	i	09 53.6		39.9N; 24.1E		13:02:43 (M)		
	e	10 25						
	e	10 43						
	eLm	12.5	t10.5 an3 ae5.5 av2					
20. z,n,e	eP	17 09 06	1.0/34 / /					
	1pP	09 17.2	Vor der E-Küste von	52.5N; 160.9E	h N	H=16:57:38.6(U)		
			Kamtschatka	52.8N; 160.1E		16:57:40 (M)		
20. z	eP	19 23 42	1.0/15					
			S-Sumatra	1.3S; 100.6E	h N	H=19:10:45.6(U)		
				1.2S; 100.8E		19:10:42 (M)		
21. z	e	00 27 24						
21. z	e	13 45 07	Nahe der Küste von	14.5N; 92.7W	h= 59km	H=13:31:32.1(U)		
	eL	14 27	Chiapas, Mexiko	14.2N; 93.0W		13:31:29 (M)		
21. z	1PKIP	15 20 25.8D	1.4/34					
	1PKP ₁	20 29.6D,N	1.2/220 / 1.0/40					
	1PKP ₂	20 33.6K,N	1.2/125 1.3/46					
			147.5° Gebiet der Fidshi-	20.1S; 178.4W	h=617km	H=15:01:52.6(U)		
			Inseln	21.0S; 178.1W		15:00:46 (M)		
21. z	i(P)	19 16 23.1D						



November 1973

21. z,e	eP	19 56 55	1.7/29 /					
	ePcP	58 15						
	eLm	20 17	Tibet	34.7N; 81.0E	h= 26km	H=19:47:56.3(U)		
	eL	20		34.4N; 81.2E		19:47:51 (M)		
21. z,n,e,V	1P	21 17 02.3K,S,W	1.7/335 1.6/130 1.1/49					
			Kurilen	46.1N; 151.4E	h= 84km	H=21:05:20.4(U)		
				46.7N; 150.9E	100	21:05:25 (M)		
22. z,n	e	07 05 59	Spuren					
22. z,n,e	e	10 18 18						
22. z	i	10 31 52.0						
22. z	e	18 08 05	Spuren					
23. z,n,e	e	04 55 51						
23. z	1PKP	10 15 06.2	1.2/26					
	i	15 11.7						
23. z	e	11 20 36						
23. z,e	eP	13 42 46	Azoren	38.5N; 28.2W		H=13:36:25 (B)		
	e	43 08		38.5N; 28.3W	h= 5km	13:36:19.3(U)		
	n,e	43 43	31.5° MLH=5.2	37.7N; 29.3W		13:36:11 (M)		
	s	44 17						
	e	48 00						
	H,E,V	54	t12 an2 ae2 av2.5					
23. z,n,e	i	20 15 24.1						
23. z	ePKP	20 34 29	Vor der Küste von	45.0S; 80.3W	h N	H=20:15:30.4(U)		
			S-Chile	44.9S; 78.6W		20:15:35 (M)		
23. z,n,e	e	22 49 17						
	e	49 30						
24. z	e	00 08 09	S-liche Provinz	38.9N; 77.6E	h N	H=23:58:18.7(U)		
	e	08 18	Sinkiang, China	38.3N; 78.2E		23:58:15 (M)		
24. z	1PKP ₁	11 03 51.9K	1.3/28					
			Tonga-Inseln	18.2S; 173.4W	h= 42km	H=10:44:13.8(U)		
24. z,n,e	1P	14 09 36.9D	1.2/25 1.5/48 1.8/42					
	i	09 40.2	1.5/110 1.2/54 1.7/90					
	e	09 50	16.5° MLH=5.0					
	eS	12 55						
	e	13 48	Medjana, Algerien	36.1N; 4.4E		H=14:05:49 (B)		
	H,E,V	15	t16 an3.5 ae7 av2.5	36.1N; 4.4E	h= 17km	14:05:46.4(U)		
		30		35.9N; 4.2E	25	14:05:44 (M)		
24. z	eP	15 26 00	16.5° MLH=5.3					
	i	26 03.5	1.5/87 1.4/60 1.6/75					
	eFP	26 18						
	e	28 41	Medjana, Algerien	36.1N; 4.4E	h N	H=15:22:09 (B)		
	eS	29 21		36.1N; 4.4E		15:22:09.8(U)		
	eLm	31	t16 an5.5 ae13 av4	35.9N; 4.3E		15:22:08 (M)		
	F	16						



November 1973									
25. z	eP e eIm	04 24 10 24 14 33	Medjana, Algerien 1.5/60 1.6/53 1.5/51 t10 an1.5 ae1 av2	36.2N; 4.5E h N 35.8N; 3.9E		H=04:20:22.5(U) 04:20:17 (M)			
25. z	1P ipP	04 37 00.0 37 13.6	1.5/43 1.4/105 1.3/29 1.0/27 Nahe der S-Küste von S-Hondo, Japan	33.8N;135.5E h= 51km 34.1N;135.5E 50		H=04:24:47.3(U) 04:24:48 (M)			
25. z,n,e	eP	05 49 18							
25. z,n,e	1P ipP	09 31 25.8D 31 41.9	1.3/165 1.4/52 1.3/48 Nahe der S-Küste von S-Hondo, Japan	33.8N;135.4E h= 56km 34.0N;135.5E 50		H=09:19:14.6(U) 09:19:14 (M)			
25. z	ePKP ₁	12 05 38	Tonga-Inseln	21.58;174.2W h N		H=11:45:49.9(U)			
25. H,E,V	eL	18 16	Gebiet der S-Sandwich-Inseln						(U)
26. z	ePKP	05 43 06	Gebiet der Dentrecasteaux-Inseln	8.6S;154.0E h= 15km 8.7S;154.0E		H=05:23:56.4(U) 05:23:58 (M)			
26. z	1PKP ₁	09 16 09.8D	0.7/21 Gebiet der Fidzchi-Inseln	20.9S;177.7W h=543km		H=08:57:23.4(U)			
26. z	epP	15 49 57	Gebiet von Hokkaido, Japan	41.6N;142.0E h= 73km 41.2N;142.1E		H=15:37:48.1(U) 15:37:41 (M)			
26. z,n	e	16 56 50							
26. z,n,e	e	19 04 03							
26. z,n	1Pg 18g	21 10 47.8 11 14	USSR						
26. z	1P	21 17 47.2D	China	43.8N;123.6E		H=21:06:57.3(U)			
26. z	ePKP	21 49 46	Gebiet der Loyalty-Inseln	22.0S;169.6E h N		H=21:30:05.5(U)			
26. z,n,e	e	22 25 30							
27. z	1P	06 31 20.0K	0.9/15 Kurilen	43.0N;146.3E h= 57km 42.7N;146.5E		H=06:19:27.7(U) 06:19:24 (M)			
27. z	ePKP ₁	08 21 41	Spuren, S-lich der Fidzchi-Inseln	24.8S;179.8W h=462km		H=08:02:39.5(U)			
27. z	e	12 19 34							
27. z,n,e,N,E,V	1P eIm	14 03 47.3K, 41	B,W 1.2/1100 1.2/430 1.0/180 t1.5 an0.7 ae0.3 av1.2 Nahe der E-Küste von Kamtschatka	53.6N;160.5E h= 60km 53.6N;160.2E 80		H=13:52:29.6(U) 13:52:31 (M)			
27. z	e	15 39 12							
27. z	ePKP ₁ ePKP ₂ epPKP	16 26 47 26 57 28 41	S-lich der Fidzchi-Inseln	24.2S;179.7W h=460km		H=16:07:46.1(U)			

November 1973									
27. z	e	21 39 41							
28. z	1PKP ₁	01 09 46.0D	0.9/28 Gebiet der Fidzchi-Inseln	20.6S;177.8W h=443km		H=00:50:49.5(U)			
28. z	eP	05 35 34	Nahe der W-Küste von Hondo, Japan	37.8N;138.3E h=216km		H=05:23:52.0(U)			
28. z	1P	05 52 33.4	Kurilen	43.3N;147.5E h= 63km 43.4N;147.9E		H=05:40:41.6(U) 05:40:38 (M)			
28. z	1P epP ePP	06 57 25.0K 58 21 07 00 50	1.2/16 Guatemala	14.5N; 90.0W h=230km		H=06:45:06.3(U)			
28. z	eP	07 18 05	N-Sumatra	2.9N; 96.4E h N 3.0N; 96.4E		H=07:05:39.0(U) 07:05:40 (M)			
28. z	eP e N,E,V eL	08 25 59 26 09 09 05	Gebiet der Prinz-Edward- Inseln	41.9S; 42.8E h N 42.3S; 42.2E		H=08:12:31.4(U) 08:12:29 (M)			
28. z	1P	16 04 04.4	S-liche Provinz Sinkiang, China	37.9N; 81.5E h N 38.0N; 81.5E		H=15:55:20.8(U) 15:55:21 (M)			
28. z	ePKP	18 13 44	Santa-Cruz-Inseln	12.3S;167.0E h=218km		H=17:54:46.9(U)			
28. z,n,e	e	23 03 24	Nahbeben						(O)
29. H,E,V	eIm	01 40	t19 an2 ae2.5 av3.5 Nahe der N-Küste von Neuguinea						(U,M)
29. z,n,e	eP ₁ 1P ₂ 1PP ₁ 1PP ₂ 1S 1 eIm P	11 01 50 01 53.1 02 05 02 08 05 16.0 05 30.2 09.6	1.3/70 1.3/49 1.1/27 1.3/415 1.3/260 1.3/135 18° MLH=5.7 Mittelmeer, SE-lich Kreta t14 an18 ae33.5 av26	35.0N; 23.9E 35.2N; 23.8E h= 26km 35.1N; 23.5E 20		H=10:57:46 (E) 10:57:42.7(U) 10:57:39 (M)			
29. z,e	e	14 22 20							
29. z,n,e	1Pg 18g eL	15 01 16.2 01 32.0 01 46	130km Sprengung	50.18°N;13.29°E					(O)
29. z	ePn eSn e eSg	16 49 16 50 33 51 00 51 20	770km Kroatien, Jugoslawien	45.3N; 18.2E 45.5N; 18.7E h N 44.4N; 17.6E		H=16:47:31 (E) 16:47:33.8(U) 16:47:26 (M)			
29. z	1P e(SP)	17 31 24.9K 31 49	1.2/22 Gebiet von Hokkaido, Japan	42.9N;145.4E h= 56km 42.9N;145.5E		H=17:19:34.4(U) 17:19:32 (M)			
29. z,n,e	1P ipP	18 09 46.7D, 11 31.2D	N,E 1.3/120 / 1.0/23 Ochotskisches Meer	53.3N;153.4E h=491km 53.2N;153.6E 500		H=17:59:21.3(U) 17:59:21 (M)			

Dezember 1973

4. z, n, e z, n, e	1P 1pP	01 37 58 38 09.8	K 1.1/36 / / Kurilen	43.2N; 146.9E h N 43.1N; 147.1E	H=01:26:03.3(U) 01:26:03 (M)
4. z	o	09 01 34			
4. z	1	14 04 57			
4. z z z z	e(PKP) o ePP ePKS	15 50 17 51 17 53 12 53 57	139.5° Neue Hebriden	16.58; 167.1E h= 9km 16.48; 166.4E	H=15:30:39.1(U) 15:30:47 (M)
4. z z, n, e	e(Sn) o	20 13 15 13 32	Halbinsel Gargano, Italien	42.1N; 16.2E	H=20:09:17 (B)
4. z	o	21 56 52	Spuren		
5. z z	1 1	01 25 26.9 25 38.0			
5. z, n, e	o	02 32 10			
5. z, n, e z, n n z, e	1P 1 1PP eB	03 55 03.2D 55 14.0 55 19.8 58 37	0.8/90 0.9/54 0.8/32 Mittelmeer, E-lich von Kreta	35.3N; 26.6E h= 80km 35.4N; 26.4E 80 35.1N; 26.2E	H=03:50:52 (B) 03:50:51.4(U) 03:50:45 (M)
5. z, n	o	04 15 14	Guatemala	14.7N; 91.8W h=115km	H=04:01:50.3(U)
5. z	1	04 48 34.2			
5. z	1P	07 22 55.4D	Riu-kiu-Inseln	28.8N; 130.0E h N	H=07:10:31.9(U)
5. z z, n, e z, n z, n, e	ePg o o 18g	14 59 25 59 40 15 00 09 00 14	Bergschlag Ruhrgebiet	51°40'N; 7°08'E 51.5N; 7.1E h= 0km	H=14:58:13 (B) 14:58:12.7(U)
5. z, n, e	1P	18 02 53.6	1.0/24 / / N-licher Mittelatlan- tischer Rücken	52.7N; 31.0W 52.5N; 31.6W h N 52.9N; 31.3W	H=17:57:20 (B) 17:57:11.3(U) 17:57:14 (M)
5. z	1PKP	21 58 32.0D	Salomonen	7.48; 155.9E h= 57km 6.88; 156.1E	H=21:39:33.5(U) 21:39:33 (M)
6. z	o	01 20 36	Spuren, NE-licher Kleiner Kaukasus	40.1N; 46.3E	H=01:15:04 (M)
6. z	1P	05 29 43.9	0.9/19 Kurilen	43.1N; 146.3E h= 58km 42.9N; 146.3E	H=05:17:52.8(U) 05:17:49 (M)
6. z z, n, e	o eB	08 25 06 25 19	Kroatien, Jugoslawien	45.3N; 16.0E	H=08:21:55 (B)
6. z, n, e z, n, e z, e	1Pg 18g eL	09 24 42.7 24 53.8 25 04	Sprengung		
6. z	ePKP ₂	16 15 23	Gebiet der Kermadec-Inseln	31.78; 178.1W h N 31.98; 178.7W	H=15:54:52.9(U) 15:54:54 (M)
6. z	e(PKP)	17 16 46	Gebiet von Neu-Britannien	4.78; 152.7E h= 73km	H=16:57:40.3(U)

Dezember 1973

6. z	eP	19 56 19	E-liches Mittelmeer, E-lich von Karpathos	35.2N; 27.9E h= 65km 35.2N; 27.7E 39 34.6N; 27.4E	H=19:52:00 (B) 19:51:55.5(U) 19:51:51 (M)
7. z	eP	21 19 22	1.0/23 Hondo, Japan	39.3N; 141.9E h= 62km 39.5N; 141.9E	H=21:07:21.9(U) 21:07:19 (M)
7. z	1PKP	23 45 39.8E	1.3/49		
8. z	1P	01 07 53.1D	0.9/17 El Salvador	13.3N; 89.9W h= 88km	H=00:55:11.6(U)
8. z	eP	02 52 48	Spuren, Gebiet der Insel Unimak	53.6N; 163.6W h= 44km 52.9N; 163.5W	H=02:41:07.9(U) 02:41:03 (M)
8. z z	eP 1	06 22 48 22 55.9D	S-Sumatra	0.28; 98.4E h N 0.38; 98.2E	H=06:10:03.5(U) 06:10:03 (M)
8. z z z, e	eP o o	13 03 34 06 17 07 11	1.4/17 Talaud-Inseln	3.6N; 127.1E h= 38km 3.8N; 127.2E	H=12:49:43.6(U) 12:49:43 (M)
8. z	e(P)	19 44 23	Spuren, S-Anatolien	37.4N; 29.7E 37.4N; 29.5E h= 14km	H=19:40:07 (B) 19:40:05.3(U)
8. z, n, e	o	23 50 09			
9. z	o	00 45 17			
9. z, e z	1P o	02 45 06.7D 47 02	1.5/24 / NW-Kaschmir	35.9N; 73.3E h= 33km 35.8N; 73.4E	H=02:36:52.2(U) 02:36:52 (M)
9. z	e(P)	04 47 09	Gebiet der Insel Kodiak	56.9N; 151.8E h= 47km	H=04:35:43.0(U)
9. z	eP	07 54 44	Carlsberg-Rücken	1.5N; 67.0E h N 1.4N; 67.7E	H=07:43:53.0(U) 07:43:54 (M)
9. z	e(Sn)	14 16 14	Graubünden, Schweiz	46.9N; 10.1E	H=14:13:39 (B)
9. z	eP	17 53 18	Andreanow-Inseln, Aleuten	51.4N; 179.1W h= 48km 51.6N; 178.9W	H=17:41:29.1(U) 17:41:28 (M)
9. z, n, e z z z, e z, e z, e z, e	e(PKHKP) 1PKIKP 1 e e e eIm F	20 15 14 15 17.6 15 24.7 16 18 18 03 19 26 21 22 23 30	143.5° Neue Hebriden	19.98; 169.8E h= 39km 19.98; 170.2E	H=19:55:45.6(U) 19:55:44 (M)
9. z	ePKIKP	21 17 29	Neue Hebriden	19.88; 169.9E h= 34km 19.88; 170.2E	H=20:57:57.8(U) 20:57:57 (M)
10. z	e(P)	16 10 31	S-lich von Hondo, Japan	30.7N; 141.7E h= 19km 31.2N; 141.5E	H=15:57:42.7(U) 15:57:48 (M)
10. z, e z z	1P o o	19 41 01.4D 41 11 41 47	1.2/41 / Ecuador	1.48; 77.7W h=181km 1.58; 77.9W	H=19:28:13.2(U) 19:27:56 (M)
10. z, e	eP	21 14 26	S-Iran	28.0N; 56.2E 28.0N; 57.0E 27.2N; 57.0E	H=21:07:0 (B) 21:06:47.6(U) 21:06:46 (M)

Dezember 1973

11. z,e H,E,V	eP eL	00 16 28 00 29	Azoren	38.5N; 28.3W 38.7N; 28.7W 39.6N; 28.3W	h N	H=00:10:12 (B) 00:10:09.2 (U) 00:10:15 (M)
11. z H,E,V	ePP eL	02 54 52 03 43	S-lich der Marianen	13.7N; 146.4E 14.4N; 146.3E	h= 46km	H=02:36:38.9 (U) 02:36:41 (M)
11. z,n,e	eP	03 53 09	Mittelmeer, W-lich Kreta	35.0N; 23.2E 35.0N; 23.3E 34.7N; 22.5E	h= 37km	H=03:49:04 (B) 03:49:00.1 (U) 03:48:54 (M)
11. z,n	e	20 03 17				
11. z	e	21 39 12	Spuren			
11. z,n	e	22 42 22				
12. z,n,e n o n,e s z,n,e z,H,E,V	iPn i iSn e i e iBg	00 03 44.0 03 56.2 04 27.0 04 31 04 35.4 04 50 04 53.6	460km Steiermark, Österreich	47.2N; 14.2E 47.2N; 14.1E 47.3N; 14.3E	h= 5km	H=00:02:41 (B) 00:02:38.1 (U) 00:02:40 (M)
12. z,n	e	06 18 06				
12. z	e	22 45 09	Spuren			
13. n,e e z,n z,n,e	eS eSSS e eLg ₂	08 13 46 14 12 14 33 15 18	12° Pyrenäen	43.3N; 0.4W 43.2N; 0.4W	h= 5km	H=08:08:43 (B) 08:08:39.3 (U)
13. z z	ePKP epPKP	20 13 01 13 15	Tonga-Inseln	15.2S; 173.8W	h= 32km	H=19:53:30.1 (U)
14. z	eP	03 56 33	Andreanow-Inseln, Aleuten	51.3N; 178.3W 51.0N; 178.1W	h= 54km	H=03:44:43.7 (U) 03:44:39 (M)
14. z z z	iPKP ₁ ePKP ₁ e	06 19 01.9D 19 14 19 23	1.4/33 S-lich der Fidschi-Inseln	24.5S; 176.1W	h N	H=05:59:07.9 (U)
14. z,n,e z,n,e	iPg iBg	07 30 25.7 30 45.8	Spuren Sprengung	24.0t	49.89°N; 13.72°E	(0)
14. z,n,e z,n,e	iP ePP	07 54 39.8K 56 12	1.4/195 1.2/51 1.5/130 Unterirdische Kernexplosion, Gebiet von Semipalatinsk, Kasachische SSR	50.2N; 79.2E 50.0N; 79.0E	h= 0km	H=07:47:00 (B) 07:46:57.0 (U)
14. z,n,e z,e	iPg eL	08 00 07.3 00 52	120km Sprengung	25.6t	50.76°N; 14.42°E	(0)
14. z,n,e	iP	09 17 15.1D	0.8/27 / / W-Küste des Kaspischen Meeres	41.8N; 49.3E 41.9N; 49.0E 42.1N; 49.1E	h= 79km 60	H=09:11:50 (B) 09:11:46.3 (U) 09:11:46 (M)
14. z,n,e n	iP e	17 49 24.6K 49 38	1.9/260 1.8/105 / Andreanow-Inseln, Aleuten	51.4N; 177.9W 51.4N; 177.7W	h= 53km	H=17:37:35.4 (U) 17:37:32 (M)
14. z	eP	18 40 24	Riu-kiu-Inseln	28.6N; 129.8E 28.3N; 130.6E	h=208km	H=18:28:20.8 (U) 18:27:58 (M)

Dezember 1973

15. z	eP	04 21 56	1.9/66 Gebiet des Chagos-Archipel	5.4S; 68.6E 5.3S; 68.6E	h N	H=04:10:24.2 (U) 04:10:25 (M)
15. z	eP	04 41 36	1.6/43 Gebiet des Chagos-Archipel	5.4S; 68.5E 5.3S; 68.6E	h N	H=04:30:03.0 (U) 04:30:03 (M)
15. z	iPKP ₁	07 28 46.2	0.8/23 S-lich der Fidschi-Inseln	24.5S; 179.8W	h=463km	H=07:09:45.4 (U)
15. z	e	09 01 32	Spuren			
15. z,n,e z,n	iPKP ₁ iPKP ₂	11 13 32.7D 13 36.8K	1.3/180 1.2/46 0.9/32 1.4/120 /	21.6S; 175.2E 21.9S; 174.9E	h=567km	H=10:54:52.1 (U) 10:53:54 (M)
15. z	iP	18 18 57.5D	1.7/34 Kurilen	45.6N; 151.1E 45.6N; 151.4E	h= 1km	H=18:07:01.6 (U) 18:07:07 (M)
15. z	iPKP	18 49 42.9	1.1/30			
15. z	e(PKP)	23 16 27	Neue Hebriden	16.8S; 168.1E 16.0S; 168.3E	h= 7km	H=22:57:02.9 (U) 22:57:10 (M)
15. z,n,e z	iP e	23 40 44.0 41 40	1.5/43 / / Neusibirische Inseln	74.3N; 147.1E 74.2N; 147.1E	h N	H=23:31:44.3 (U) 23:31:43 (M)
16. z	eP	07 33 36	Kostarika	10.9N; 84.5W	h N	H=07:20:57.1 (U)
16. z,n,e z	iP e(PP)	08 32 11.7 33 41	1.1/34 / / S-Iran	28.4N; 53.0E 28.5N; 52.6E 28.1N; 52.7E	h N h= 20km	H=08:24:56 (B) 08:25:00.4 (U) 08:24:56 (M)
16. z,e	iP	19 18 12.2D	1.4/27 / SW-Kaschmir	34.2N; 74.1E 34.1N; 74.1E	h= 47km	H=19:09:47.7 (U) 19:09:44 (M)
17. z z	e e	20 55 18 58 16	Santa-Cruz-Inseln	12.5S; 166.5E	h N	H=20:35:45.5 (U)
17. z,n,e,V z z H,E,V	iP i iP eL	22 05 45.0K 05 47.8 05 56.1 40	1.1/160 1.3/53 1.0/37 Kurilen	48.1N; 154.5E 48.0N; 154.5E	h N	H=21:54:02.5 (U) 21:54:02 (M)
18. z	ePKP	04 27 20	Salomonen	5.4S; 154.2E 5.3S; 154.5E	h=413km 300	H=04:09:08.9 (U) 03:08:58 (M)
18. z	e	08 57 11				
18. z,n,e	e	10 18 28				
18. z,n,e	eSg	12 22 13	Bergschlag Oberschlesien, Polen			(P)
18. z	e	23 34 12	Spuren			
19. z	e	03 26 31	Spuren			

Dezember 1973

Dezember 1973

19. z	eP	04 57 16	107.5°						
z,n,e	e	57 30	Gebiet der Sumba-Insel	9.4S;119.5E	h= 58km	H=04:43:01.5(U)			
z,n,e	e	05 00 26		9.4S;119.5E	40	04:43:00 (M)			
z	e(PF)	01 58							
n,e	eSKS	07 55							
e,E	e	08 10							
z	e	12 25							
z	ePKKP	12 40.0							
H,E,V	eIm	47							
19. z,n,e	1PKIKP	13 15 13.3K	1.9/190 1.6/36 0.8/48						
z,n,e,H,E,V	1PKP ₁	15 17.1	0.5/850 1.5/500 1.2/230						
z	1	15 40.0	Gebiet der Fidischi-Inseln	20.6S;176.5W	h=246km	H=12:55:57.1(U)			
z,V	1pPKP	16 13		19.9S;176.3W	225	12:55:57 (M)			
z	ePKJKP	24 11							
19. z	e	14 10 33	Spuren						
19. z	e	20 06 36							
19. z	1PKP	22 38 10.8D	0.8/24						
19. z,n	e	22 52 01							
20. z,n	e	03 49 42							
20. z	e	11 04 26							
z,n,e	eSg	04 51							
20. z	e	11 22 35							
20. z	eP	11 22 50	Vor der Küste von						
z	e	23 02	Hokkaido, Japan	42.9N;149.1E	h N	H=11:10:45.8(U)			
20. z	eP	12 45 13	Kurilen	44.5N;148.3E	h= 56km	H=12:33:25.5(U)			
20. z,H,E	1P	17 47 17.9D	(teilweise im Streifenwechsel)						
z	1	47 18.6K	Tyrrhenisches Meer	38.8N; 14.8E	h=270km	H=17:44:28 (B)			
z,n	e	50 27		38.8N; 14.8E	272	17:44:25.8(U)			
				38.9N; 14.9E	280	17:44:28 (M)			
21. z	e	01 58 49	Spuren						
21. z	1Pn	08 19 11.2	Slowenien, Jugoslawien	46.1N; 12.2E		H=08:17:53 (B)			
z,n,e	e(Pg)	19 32		46.1N; 14.3E	h= 11km	08:17:50.9(U)			
z,n,e	1(Sg)	20 37.0							
21. z	eP	09 56 13	Spuren, Fuchs-Inseln, Aleuten	52.3N;169.4W	h= 47km	H=09:44:25.3(U)			
				52.0N;169.5W		09:44:22 (M)			
21. z	eP	10 03 29	Fuchs-Inseln, Aleuten	52.2N;169.4W	h= 44km	H=09:51:41.3(U)			
				52.3N;169.6W		09:51:40 (M)			
21. z	eP	15 40 06	2.2/67						
z	e	40 28	Fuchs-Inseln, Aleuten	52.3N;169.4W	h= 49km	H=15:28:19.2(U)			
				52.1N;169.4W		15:28:16 (M)			
21. z	eP	16 10 48	Spuren, Fuchs-Inseln, Aleuten	52.5N;169.5W	h= 49km	H=15:59:02.4(U)			
21. z,n,e	1PKP ₁	17 12 13.9D	1.1/58 / /						
z,n	1PKP ₂	12 18.6	Gebiet der Fidischi-Inseln	20.5S;178.8W	h=606km	H=16:53:34.8(U)			

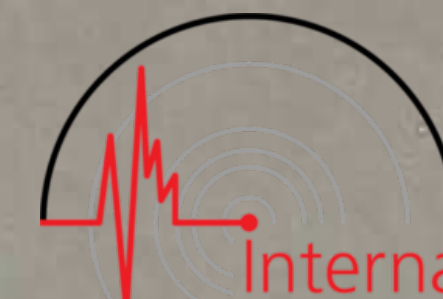
21. z	e	19 25 07	Nahe der Küste von						
z	e	27 00	N-Kalifornien	40.6N;124.6W	h= 30km	H=19:12:43.5(U)			
21. z	eP	19 33 39	K 1.5/24						
22. z	eP	01 32 15	Nahe der E-Küste						
z	ePF	35 23	von Hondo, Japan	35.1N;140.2E	h= 70km	H=01:19:59.5(U)			
				35.7N;140.0E	120	01:20:08 (M)			
22. z	eP	02 39 38	Kreta	34.1N; 24.8E	h N	H=02:35:15.0(U)			
22. z,n	1Pg	09 00 18.0	Spuren Sprengung	11.6t	49.76°N;14.87°E				(O)
z	1	00 23.3							
z,n,e	eSg	00 46							
22. z	e	10 56 25							
22. z,n,e	e	12 13 45	vermutlich Jugoslawien						(W)
22. z	ePKP	14 38 30	Gebiet der Fidischi-Inseln	14.8S;173.2E	h N	H=14:19:04.1(U)			
z	ePF	41 37		14.8S;173.7E		14:19:04 (M)			
22. z	e	18 40 26							
23. z	e	03 19 30							
23. z,e	e	03 30 26							
23. z	eP	07 31 36	Nahe der E-Küste der Insel Zante, Griechenland	37.8N; 20.9E		H=07:28:07 (G)			
23. z	1PKP ₁	07 48 04.6D	Tonga-Inseln	20.2S;174.1W	h N	H=07:28:19.3(U)			
23. z	e	18 52 30	S-Pazifischer Rücken	56.3S;139.0W	h N	H=18:31:32.6(U)			
23. z,n,e	e	20 28 58							
23. z	eP	22 07 20	Vor der NE-Küste von Kreta	35.9N; 26.0E		H=22:03:10 (G)			
24. z,n,e	e	03 50 41	Bergschlag Oberschlesien, Polen						(P)
24. z	1PKP ₂	07 31 48.2K	1.2/32						
	oder: P		Gebiet der Kermadec-Inseln	31.9S;179.7W	h=200km	H=07:11:39.5(U)			
			oder: Marianen	20.6N;144.8E		07:18:21 (M)			
24. z	1PKIKP	08 33 53.2D	1.5/36						
z,n,e,V	1PKP ₁	33 55.8D	1.1/430 1.3/105 1.3/76						
z	1PKP ₂	34 00.9	Tonga-Inseln	19.1S;174.9W	h=121km	H=08:14:25.1(U)			
z,n,e,V	1pPKP	34 28		19.0S;175.1W		08:14:15 (M)			
24. z	1PKP ₂	10 50 49.4K	0.7/18						
z	epPKP	53 04	S-lich der Fidischi-Inseln	23.9S;179.4E	h=561km	H=10:31:58.3(U)			
24. z,n,e	eP	13 58 17	1.6/18 / /						
			E-liches Mittelmeer,	35.2N; 27.9E		H=13:53:56 (B)			
			E-lich von Karpathos	35.0N; 27.8E	h N	13:53:50.9(U)			
				34.8N; 27.5E		13:53:51 (M)			
24. z,n	eP	15 49 30	Japanisches Meer	37.4N;134.3E	h=395km	H=15:38:14.4(U)			
z	epP	51 02		37.6N;134.3E	420	15:38:18 (M)			

Dezember 1973

24. s	1P	18 31 54.2D	Nahe der Küste von Peru	12.6S; 77.5W 12.6S; 77.5W	h N	H=18:18:10.2(U) 18:18:12 (M)
24. s	e	19 59 55				
24. s,n,e	1P 1 e(SoS)	20 27 00.2D 27 12.9 38 33	1.1/59 1.1/38 / Mittelmeer, S-lich Kreta	34.6N; 24.7E 34.7N; 24.6E 34.6N; 24.5E	h= 37km	H=20:22:46 (B) 20:22:45.4 (U) 20:22:43 (M)
24. s,n,e	1P eIm	20 50 51.4D 21 09	1.6/29 / 2.0/42 N-Atlantischer Rücken	22.6N; 45.1W 22.6N; 45.1W	h N	H=20:41:37.3(U) 20:41:34 (M)
24. s	e(P)	21 02 30	1.5/19 Taiwan	24.3N; 121.0E 24.7N; 121.3E	h= 24km	H=20:50:08.0(U) 20:50:11 (M)
24. s	1P	23 50 18.8D	Vor der Küste von Hokkaido, Japan	42.3N; 146.0E 43.3N; 145.6E	h= 35km	H=23:38:21.0(U) 23:38:27 (M)
25. s	e	00 49 44	Golf von Gadir, S-lich Portugal	36.4N; 8.5W 36.4N; 7.9W	h N	H=00:44:48 (B) 00:44:49.9(U)
25. s	e	03 05 27				
25. s,n,e	e	10 49 38				
25. s,n	e	20 07 38				
26. s	1P	03 11 26.4	2.3/88 Mittelindischer Rücken	15.2S; 66.9E 15.2S; 67.2E	h N	H=02:59:12.4(U) 02:59:09 (M)
26. s	eP	13 04 33	Spuren, Kurilen	49.5N; 155.7E 49.7N; 155.3E	h= 56km	H=12:52:58.7(U) 12:53:00 (M)
26. s	1PKP ₁ 1PKP ₂	18 05 38.7 05 52.8	1.2/14 S-lich der Fidschi-Inseln	26.9S; 177.7W	h=186km	H=17:45:59.7(U)
26. s,n,e	1P 1pP e ePP e eIm	20 42 30.8K 42 47.3 45 40 45 49 46 05 21 26	1.6/82 1.9/47 1.2/22 S-lich von Hondo, Japan	33.4N; 140.8E 33.6N; 140.9E	h= 63km 50	H=20:30:06.4(U) 20:30:05 (M)
27. s	ePKP	06 06 52	S-lich der Marianen	13.9N; 146.4E 14.3N; 146.7E	h= 54km 20	H=05:48:42.2(U) 05:48:39 (M)
27. s,n	ePP eS e	13 38 42 41 10 43 41	Ionisches Meer	38.7N; 20.7E 38.6N; 20.4E 38.4N; 20.1E	h= 70km 38	H=13:35:22 (B) 13:35:18.6 (U) 13:35:14 (M)
27. s	e	17 53 17	Spuren			
27. s	1P	20 30 44.8K				
28. s	ePKP e	02 05 43 05 52				

28. z	Z Z,N,E Z Z Z s,V z z,n,e,N,E V V N,E	1FKIKP 1PKP ₁ 1 1 1PKP ₂ 1 1 1pPKP e eSKSP eSS	05 49 51.2K 49 57.8 50 01.1 50 05.2 50 07.9 50 21 51 56 52 00 52 05 53 11 06 03 12 12.2	151° h=540km (teilweise im Streifenwechsel) S-lich der Fidschi-Inseln 23.9S; 180° h=549km 23.9S; 179.8W 530 H=05:31:06.4(U) 05:31:05 (M)
28. s	1P	06 08 06.3D	0.9/19	
28. s	1P	06 39 25.4K	1.0/17	
28. s	1P	06 39 55.6K	1.1/38	
28. s	1	06 42 02.0K		
28. s,n,e	1Pg 18g	13 58 53 59 10.8	Sprengung	
28. z	e(PKHKP) z,n,e,V z,n z,e N,E,V n z N,E,V z,n,e z,n z W,WE N,E,V	1 1 1 ePKP 1 e ePP ePKS ePKS e eSS eIm F	14 01 05 01 09.6 01 15.8 01 20.4 01 28 01 39.5 01 43 04 24 04 51 05 18 20 14 22.8 15 04 17 30	137.5° MPPV ₁ =7.3 MLH=7.7 Neue Hebriden 14.5S; 166.6E h= 26km 14.6S; 168.0E H=13:41:45.9(U) 13:41:46 (M) t15 an13.5 ae9.5 av27.5 t21 an138 ae71.5 av133.5
28. z	e	14 24 16		
28. s	e	14 28 04		
28. z,n	1PKP e z,n ePKS	14 38 17.6 38 35 41 46	Neue Hebriden	14.7S; 166.5E h N 16.5S; 171.0E H=14:18:52.0(U) 14:18:51 (M)
28. z	ePKP	15 06 01	Neue Hebriden	14.7S; 166.9E h N H=14:46:33.6(U)
28. s	ePKP	15 27 34	Neue Hebriden	14.5S; 166.5E h N 14.0S; 167.2E H=15:08:12.6(U) 15:08:14 (M)
28. z	ePKP	16 17 39	Neue Hebriden	14.6S; 167.0E h N 14.8S; 167.8E H=15:58:18.8(U) 15:58:18 (M)
28. z	e	16 19 02		
28. s	e	16 25 20		
28. s,n	ePKP	16 27 37	Neue Hebriden	14.5S; 166.6E H=16:08:16 (M)
28. s	e(P)	16 31 17		
28. s	ePKP	18 09 40	Neue Hebriden	14.9S; 166.8E h N 14.8S; 166.6E H=17:50:15.4(U) 17:50:16 (M)

Dezember 1973									
28. z	ePKP	18 38 57	Neue Hebriden	15.08;166.5E h= 43km H=18:19:30.4(U) 14.08;166.9E (M)					
28. z	ePKP ePP 1PKS	21 24 57 27 41 28 30.3D	Neue Hebriden	14.4S;166.7E h= 50km H=21:05:36.7(U) 14.3S;166.9E (M)					
28. z, e	ePP	23 31 18	Marianen	18.9N;146.9E h= 45km H=23:13:29.0(U) 18.6N;147.1E 20 23:13:24 (M)					
29. z	e(PKHKP) i ePKIKP e ePP ePKS eLm F	00 38 43 38 47.2 38 53 41 44 41 53 42 35 01 41 03	138° MPPV ₁ =6.9 MLH=7.3 Neue Hebriden t16 t21 an63.5 ae29 av73.5	15.1S;166.9E h= 47km H=00:19:31.1(U) 15.0S;167.0E (M)					
29. z	ePP	01 46 14	Spuren, Marianen	18.8N;146.5E h= 78km H=01:28:32.1(U) 19.1N;147.1E (M)					
29. z, n, e	1PKP	03 10 06.0D	1.3/51 / / Gebiet der Fidschi-Inseln	18.2S;178.2W h=625km H=02:51:33.7(U)					
29. z	eP	04 48 30							
29. z	e	06 07 10							
29. z	eP	06 24 31	Gebiet der Bonin-Inseln	26.9N;140.4E h N H=06:11:37.2(U) 27.5N;140.7E (M)					
29. z, n, e	1PKP e ePP	07 03 42 06 18 06 43	D 1.5/45 / / Neue Hebriden	14.9S;166.5E h N H=06:44:18.9(U) 14.8S;166.3E (M)					
29. z, n, V	1P i i i i ePP eS eSS eLm eL F	08 31 39.5 31 51.2 31 56.9 32 06.1 32 33.0 34 30 41 09 45 48 09 04 11 10	1.5/73 72.5° MLH=6.2 Gebiet der Kommandeur-Inseln t20 an8.5 ae7.5 av6 t17 an8.5	54.6N;168.7E h N H=08:20:16.2(U) 54.8N;168.2E h= 25km 08:20:16 (M)					
29. z	ePKP	09 10 19	1.6/18 Neue Hebriden	14.3S;166.5E h= 20km H=08:50:49.9(U) 12.3S;166.4E (M)					
29. z	ePKP ePKS	19 33 11 36 56	Neue Hebriden	14.2S;166.5E h= 37km H=19:13:49.6(U) 14.0S;167.1E (M)					
30. z	1P	02 04 00.5	Spuren						
30. z	e	02 48 03							
30. z, e	e e e	06 33 34 34 43 35 19	Mittelitalien	43.1N; 12.5E H=06:30:39 (B) 43.4N; 12.3E h N 06:30:42.0(U)					
30. z	eP	10 36 52	Spuren, Gebiet der Philippinen	10.0N;126.6E h= 42km H=10:23:24.2(U) 10.0N;126.6E (M)					



Dezember 1973

30. z	ePKP	11 30 17	Gebiet der Fidschi-Inseln	17.9S;178.6W h=570km H=11:11:41.0(U)					
30. z	eP	12 05 54	S-lich Hondo, Japan	31.0N;141.8E h N H=11:53:12.9(U) 31.7N;141.3E (M)					
30. z	eP	12 22 07	Spuren, S-lich Hondo, Japan	31.0N;141.8E h N H=12:09:23.3(U) 31.8N;141.7E (M)					
30. z, n, e	1Pg eSg	16 04 44.3 04 03	Spuren Sprengung						
30. z, n, e	ePKP	16 41 02	Tonga-Inseln	15.3S;173.1W h N H=16:21:29.3(U) 15.3S;172.9W (M)					
30. z, n, e	ePKP e ePP eLm eL F	16 58 53 59 16 17 01 41 59 18 02 19	138.5° MLH=6.8 Neue Hebriden t22 an19.5 ae6.5 av22 t19 an15 ae8 av17	15.5S;166.6E h= 10km H=16:39:29.7(U) 14.8S;168.1E 16:39:33 (M)					
30. z	ePKP	17 16 42	Neue Hebriden	14.7S;166.4E H=16:57:20 (M)					
30. z	ePKP	18 03 09	Neue Hebriden	15.1S;166.5E h N H=17:43:47.8(U) 14.2S;166.7E (M)					
31. z	ePKP	00 46 12	Neue Hebriden	14.7S;166.8E h= 34km H=00:26:47.5(U)					
31. z	epP	01 54 14	2.5/135 S-lich Hondo, Japan	30.9N;141.8E h N H=01:41:21.8(U) 31.0N;141.9E 01:41:22 (M)					
31. z	ePKP ₂	03 03 07	1.7/35 Kermadec-Inseln	30.0S;177.5W h= 43km H=02:42:44.1(U)					
31. z, n, e	1PKIKP 1PKP ₁ 1PKP ₂ 1pPKP ₂ ePPP ₂	03 19 40.1E 19 50.0 20 08.9 21 02.6 27 19	2.2/220 / / 1.7/100 2.1/80 1.8/510 1.7/135 1.6/70 156°	28.9S;178.5W h=220km H=03:00:12.0(U) 29.0S;178.3W 02:59:49 (M)					
31. z, n, e	ePKP	04 01 10	Gebiet der Samoa-Inseln	15.1S;172.6W h N H=03:41:40.0(U) 15.3S;172.8W (M)					
31. z	e	11 12 09	NE-China	38.4N;116.4E h N H=11:00:53.8(U)					
31. z	1PKP	20 16 48.0D	0.8/18 Gebiet der Fidschi-Inseln	17.6S;178.8W h=573km H=19:58:12.8(U)					

Dr. B. Tittel, Assistent
H. Merkel