

Geophysikalisches Observatorium Collm
der Karl-Marx-Universität Leipzig

Geophysikalische Meßreihen

— 1 1975 —

Seismische Registrierungen

Geophysikalisches Observatorium

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

C O L L M

SEISMIC
RECORDS

SEISMISCHE
REGISTRIERUNGEN

I. quarter 1975

I. Quartal 1975

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:

$$\varphi = 51^{\circ}18.6'N;$$

$$\lambda = 13^{\circ}00.2'E; \quad h=230m$$

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 non-inductive 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 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 rock bursts are leaved out in this bulletin because of their unimportant force.

Evaluation

- 1 Date
- 2 Instrument

Z = BENIOFF-Vertikal
s = 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

- 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 Observatoriumhauptgebäudes 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 HSJ-I Horizontalseismographen (Komponenten NS und EW, mit Originalregistriergerät RGJ-I)
VSJ-I Vertikalseismograph (4-Spur-Registriergerät, siehe oben)

Die Zeitangabe erfolgt durch eine Kleinquartzuhr. Diese Uhr gibt Minutenimpulse von 2 s und Stundenimpulse von 20 s Dauer. Als Reserve dient eine Pendeluhr. Die Uhren werden täglich mit den Sekunden signalen 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

- 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 the recommendations of Zurich 1967 (index k: shortper.; index l: longper.) respectively after station-specific equations (M_c from shortperiodic longitudinal core waves; M_{ag}); then the dates of the seismic central offices or other stations with the following abbreviations:

U: USNEIS
M: Moskau/ANSSSR
B: BCIS
G: Griechenland
I: ISC
J: Jena

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 stations-spezifischen Gleichungen (M_c aus kurzperiodischen longitudinalen Kernwellen; M_{ag}); dann Daten der Seismischen Zentralen oder anderer Stationen mit folgenden Abkürzungen:

P: Polen
C: Fruhonice
S: Uppsala
W: Wien

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

t an ae av
average period [sec] amplitude from N,E,V [μ];
in the sequence z,n,e
 T / A
 period [sec] amplitude [$m\mu$].

1.1 Falling out of the records

Januar:

N,E 01. 00.00 - 07.10 am 02.
n 07. 17.45 - 06.45 am 08.
z,V 30. 17.45 - 07.20 am 31.

Februar:

Z 01. 00.00 - 12.03

März:

Z 05. 09.36 - 12.02
Z 13. 06.00 - 06.27

1.2 Constants of the seismographs

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

t an ae av
mittlere Periode [sec] Amplitude von N,E,V [μ]
in der Reihenfolge z,n,e
 T / A
 Periode [sec] Amplitude [$m\mu$]

1.1 Ausfall der Registrierungen

z 06. 17.05 - 17.57
N,E 27. 11.39 - 15.14
Z 31. 12.00 - 24.00

Z 16. 10.21 - 12.03

z,n,e,N,E,V 05. 09.36 - 10.30
Z 14. 06.40 - 07.35

1.2 Konstanten der Seismographen

Gerät	T_B (s)	D_B	T_G (s)	D_G	r/T_s^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

2. Evaluation

2. Auswertung

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1. z,n,e	eP i z,e z,e z V	00 34 53 35 07 35 17 35 35 45	1.3/49 Grenzgebiet Syrien - Türkei t13 av5	36.6N; 36.6E 36.6N; 36.5E 36.1N; 36.3E	h= 15km	H=00:29:58 (B) 00:29:56.8(U) 00:29:57 (M)
1. z	e	01 38 09				
1. z	IP1 IP2 IP i e ePKPKPKP e	04 05 55.4K 05 56.2 06 11.3D 06 27.0 10 29 34 24 34 47	1.3/140 S-Alaska	61.9N; 149.7W 61.8N; 149.7W	h= 66km 45	H=03:55:12.0(U) 03:55:09 (M)
1. z,n	IP	07 08 21.1	1.2/25 Nahe der Küste von Libyen	32.5N; 21.2E	h= 39km	H=07:03:51.4(U)
1. z	eP	10 49 17	Korinth, NE-licher Peloponnes	38.1N; 22.7E 38.2N; 22.6E	h N	H=10:45:42 (B) 10:45:43.1(U)
1. z,n,e	ePg eSg eL	16 49 52 50 07 50 19	Harzvorland ?			
1. z	ePKP e ePP	20 43 06 43 29 43 42	Banda-See	4.9S; 129.9E 4.8S; 130.0E	h= 20km	H=20:24:33.5(U) 20:24:37 (M)
1. z	IPKP IPKP	21 56 43.5K 57 02.2	S-lich der Fidschi-Inseln	23.2S; 176.3W	h=167km	H=21:37:09 (I)
1. z	IPKP	22 28 05.3				
2. z	e(P)	02 58 18	Korinth, NE-licher Peloponnes	38.1N; 22.7E 38.1N; 23.0E	h= 91km	H=02:54:44 (B) 02:54:47.0(U)
2. z	IPKP	06 05 39.5	Gebiet der Dentrecasteaux-Inseln	9.5S; 155.1E 9.2S; 155.1E	h= 23km	H=05:46:33.5(U) 05:46:35 (M)
2. z	ePKP	06 31 26	Gebiet der Loyalty-Inseln	22.6S; 170.5E	h= 33km	H=06:11:50 (I)
2. z	IP i e e z,n,e N,E N N,E E,V eL	09 10 42.8K 10 49.7 11 11 11 28 13 30 20 27 29 04 45 47	2.2/72 76° MLH=6.6 Kurilen t15 an13.5 ae15.5 t15.5 ae14 av11.5	46.9N; 151.6E 47.1N; 151.2E	h= 52km	H=08:59:00.5(U) 08:59:00 (M)
2. z	e	14 11 24				
2. z,n,e	IP ePP	14 28 50.1K 32 45	1.9/140 Gebiet der Marianen	21.6N; 142.9E 21.5N; 143.2E	h=313km 300	H=14:16:01.0(U) 14:15:59 (M)
2. z	ePKP	17 34 25	Tonga-Inseln	15.3S; 173.3W	h N	H=17:14:52.9(U)
2. z	IP e	19 43 05.9K 46 22	1.6/350 Nahe der E-Küste von Kamtschatka	53.0N; 159.4E 53.0N; 159.3E	h= 47km 80	H=19:31:43.9(U) 19:31:47 (M)
2. z,n,e	i	21 05 28.1				
2. z	ePKP	22 49 40 K	1.6/48 Gebiet der Tonga-Inseln	18.0S; 172.6W	h= 24km	H=22:30:00 (I)



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3. z	IPKP IP ePKP	00 49 07.6 49 09.7D 51 23	1.3/35 1.1/300 148°			20.38; 178.6W 20.38; 179.1W	h=572km 550	H=00:30:28.0(U) 00:30:27 (M)
3. z	ePKP ₁	01 58 22	1.7/36 Gebiet der Tonga-Inseln			23.8S; 174.9W	h= 33km	H=01:38:29.0(I)
3. z	IP	02 04 00.2	1.6/80 Nahe Karpathos, Mittelmeer			35.5N; 27.3E 35.7N; 27.2E 35.4N; 27.2E	h= 35km 49	H=01:59:45 (B) 01:59:45.2(U) 01:59:41 (M)
3. z	e	11 33 10	Spuren					
3. z,n,e	e	17 07 00						
4. z	IP IP	00 32 14.8 32 38.4	1.6/35 Nahe der E-Küste von Kamtschatka			51.1N; 158.0E 51.2N; 157.8E	h N h= 70km	H=00:20:43.0(U) 00:20:47 (M)
4. z	i	00 59 36.9						
4. z	IPKP	04 57 33.4K	1.2/23 Gebiet der Fidschi-Inseln			17.8S; 178.1W	h=557km	H=04:38:57.1(U)
4. z,n,e	eP i	12 38 33 39 28.0	1.2/53 Provinz Tsinghai, China			38.5N; 97.5E 38.6N; 97.4E	h N	H=12:28:42.3(U) 12:28:39 (M)
4. z	e	20 58 20	Cook-Straße, Neuseeland			41.0S; 174.8E	h= 37km	H=20:37:12.6(U)
5. z	e e	10 00 58 02 40	Tonga-Inseln			15.6S; 174.3W 15.3S; 173.4W	h= 71km	H=09:41:19.4(U) 09:41:16 (M)
6. z,n	eP	00 34 55	1.8/61 Gebiet der Insel Jan Mayen			71.5N; 5.2W 71.0N; 6.6W	h N	H=00:30:02.9(U) 00:30:04 (M)
6. z,n,e	IP i e e N,E,V eL	19 22 13.8K 22 23.8 22 30 22 45 20 02	1.4/175 Riu-kiu-Inseln t17 an4 ae4.5 av6.5			29.2N; 130.3E 29.5N; 130.3E	h= 41km	H=19:09:52.5(U) 19:09:52 (M)
6. z	eP	19 44 31						
6. z,e	ePg eSg eL	22 59 03 59 18 59 34	Harzvorland ?					
6. z	ePg eSg	23 19 19 19 35	Harzvorland ?					
6. z	eP	23 23 46	Fuchs-Inseln, Aleuten			54.3N; 165.8W 53.3N; 165.1W	h=102km	H=23:12:17.8(U) 23:12:03 (M)
7. z,n,e	ePg eSg eL	00 49 34 49 49 50 01	Harzvorland ?					
7. z	eP	01 58 01	1.4/23 Kurilen			46.2N; 150.9E 46.7N; 150.4E	h=122km 65	H=01:46:24.6(U) 01:46:23 (M)
7. z,e	ePg eSg eL	02 20 43 20 58 21 12	Harzvorland ?					
7. z,e	ePg eSg eL	02 36 35 36 49 37 00	Harzvorland ?					
7. z,n,e	eSg	04 01 31	Harzvorland ?					

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7. z	eP	08 41 02	1.6/32	0.9S; 16.0W h N	H=08:31:14.7(U)	
			N-lich der Insel Ascension	0.7S; 17.1W	08:31:09 (M)	
7. z,n,e	i	09 22 47.6				
8. z	e	00 01 47				
8. z	e	02 05 34				
8. z,e,V	1P	02 11 52.0D	2.2/280			
z,e	e	12 09				
z,V	1pP	12 15	2.0/460			
s	l(sP)	12 28.1D	91.5°	h= 95km MSH=6.6 MLH=6.5	(nicht tiefenkorrigiert)	
s	i	12 34.3D				
E	ePP	15 37	S-Sumatra	3.0S;101.8E h= 95km	H=01:58:55.1(U)	
z,e,N,E	1SKS	22 15.2	t9 an2.6 ae3.3	2.8S;101.6E 80-100	01:58:54 (M)	
z,e,N,E	1S	22 44				
N	e	23 15				
N,E	eLm	55	t20 an2.4 ae1			
E,V	eL	03 01	t16 ae1 av1			
	F	30				
8. z,n,e	e(Sg)	08 55 33	Sprengung Erzberg, Steiermark			(W)
8. z	eSg	09 16 10	Jura, Frankreich	46°50'N; 5°51'E	H=09:12:44 (B)	
8. z	1P	19 10 23.2	1.2/20			
z	e	10 34				
z	ePP	13 37	Nahe der E-Küste von Hondo, Japan	35.7N;140.7E h= 56km	H=18:58:08.1(U)	
				36.3N;140.3E 30	18:58:10 (M)	
8. z	eP	19 31 42	Korinth, NE-licher Peloponnes	38.1N; 22.8E	H=19:28:09 (B)	
				38.3N; 22.9E h= 50km	19:28:11.5(U)	
8. z,N	eP1	19 36 02	D 0.8/17			
z,n,e,V	1P2	36 08	1.1/270			
z	e(FP)	36 17				
N,E	eS	38 46	14.5° MLH=5.7			
E	eL1	39 52				
N,E	eLg1	40 15	Korinth, NE-licher Peloponnes	38.1N; 22.7E	H=19:32:33 (B)	
N,E	eLg2	40.9		38.3N; 22.7E h= 18km	19:32:32.9(U)	
N,E,V	eLm	41.4		38.2N; 22.4E	19:32:34 (M)	
		42	t8 an19.5 ae16.5 av21.5			
8. z	1P	19 44 20	1.2/22			
z	e(pP)	44 46	Kurilen	44.7N;146.9E h= 82km	H=19:32:37.1(U)	
				44.7N;146.8E	19:32:33 (M)	
8. z,n,e	eP	20 01 50	1.7/73			
z	e(FPP)	02 05				
N,E	eS	04 20	15° MLH=4.6			
N,E	eLg2	06.6				
N,E	eLm	08	t9 an1.5 ae1.5			
			Korinth, NE-licher Peloponnes	38.0N; 22.8E	H=19:58:15 (B)	
				38.1N; 22.8E h= 37km	19:58:15.8(U)	
				38.3N; 23.0E	19:58:19 (M)	
8. z	eP	20 05 22				
8. z	1P	20 41 10.9	1.3/26			
9. z	eP	02 24 08	S-Sumatra	4.3S;103.0E h=107km	H=02:11:04.3(U)	
				4.2S;102.9E 50	02:10:59 (M)	
9. z	1PKP	04 24 42.4K	1.0/52			
			Gebiet der Fidsohi-Inseln	17.7S;178.6W h=551km	H=04:06:06.0(U)	
9. z	ePKP	10 08 24	Banda-See	5.1S;129.9E h= 22km	H=09:49:39.6(U)	
z	e(FP)	08 40		4.8S;130.1E 25	09:49:42 (M)	
9. z,n,e	e	11 38 41				
9. z	eP	12 38 04	Spuren, Straße von Gibraltar	35.0N; 5.7W h= 0km	H=12:33:17.3(I)	

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9. z	e	17 12 39	Spuren			
9. z,n,e	1P	18 57 56.9D	1.2/32			
N,E,V	eLm	19 06	Mittelmeer, SW-lich von Kreta	34.6N; 24.0E	H=18:53:41 (B)	
				34.8N; 24.1E h= 47km	18:53:44.0(U)	
				34.5N; 23.9E	18:53:40 (M)	
9. z,n	eP	20 08 50				
z	i	09 16.0				
9. z,n,e	eP	23 15 05	24.5°			
z,n,e	eFP	15 39				
z	1S	19 29.4D	Dagestan, UdSSR	43.0N; 47.3E h= 75km	H=23:09:52 (B)	
z	i(SS)	20 08.2		42.9N; 47.0E 31	23:09:46.6(U)	
z	e	21 27		43.1N; 47.1E	23:09:43 (M)	
n	e	22 49				
N,E,V	eLm	25				
9. z,e	eP	23 45 25	24.5°			
z	eS	49 34				
z	e(SSSS)	50 45	Dagestan, UdSSR	43.0N; 47.4E h= 95km	H=23:40:12 (B)	
z,n	e	51 39		42.9N; 47.1E h N	23:40:06.5(U)	
e	e	53 04		43.1N; 47.1E 20	23:40:06 (M)	
n,e	e	53 51				
10. z	e(P)	01 14 38	Dagestan, UdSSR	42.9N; 47.4E h=100km	H=01:09:29 (B)	
z	i	15 16.6		42.9N; 47.1E h N	01:09:21.7(U)	
z,e	e	21 58		43.1N; 47.0E	01:09:19 (M)	
n	e	22 32				
z,n,e	e	23 06				
10. z,e	eP	01 34 41	Dagestan, UdSSR	43.0N; 47.4E h= 90km	H=01:29:28 (B)	
z	e	36 16		42.9N; 47.0E h N	01:29:22.9(U)	
z	e	38 14		43.1N; 47.1E	01:29:19 (M)	
z	e	41 00				
n	e	41 27				
z,e	e	42 38				
10. z	eP	03 55 50	Mittelmeer, SW-lich von Kreta	34.4N; 24.0E	H=03:51:26 (B)	
10. z	1PKP	07 20 25.2	0.9/15			
			Gebiet der Fidsohi-Inseln	18.0S;178.1W h=466km	H=07:01:38.1(U)	
10. z	e	09 48 05				
10. z	eP	14 26 25	S-Iran	29.3N; 51.4E h N	H=14:19:18.7(U)	
10. z	ePKP	18 43 24	Salomonen	9.1S;158.6E h N	H=18:24:19.4(U)	
z	e	45 13				
10. z	e	21 04 28				
11. z	ePKP	06 14 08	Gebiet der Loyalty-Inseln	22.4S;170.8E h= 33km	H=05:54:29 (I)	
						(W)
11. z,n,e	1Pg	10 38 01.2	160km Böhmen, CSSR			
z,n,e	1Sg	38 18.9				
11. z,e	1P	12 15 09.9	1.5/25	28.9N; 52.0E	H=12:08:04 (B)	
N,E	eL	33	Farsistan, Iran	29.0N; 51.8E h= 27km	12:08:06.4(U)	
				29.0N; 51.8E	12:08:07 (M)	
11. z,e	1Pn	15 55 53.7	670km			
z,n,e	e	56 16				
z,n,e	e	56 31	S-lich des Garda-Sees, Oberitalien	45.5N; 10.7E	H=15:54:25 (B)	
n	eSn	57 02		46.5N; 10.6E h= 22km	15:54:37.0(U)	
z,n,e	e	57 32				
z,n,e,N,E,V	eSg	57 38				
11. z	eP	18 11 10	Mittelmeer, SW-lich von Kreta	34.6N; 23.9E	H=18:06:52 (B)	
				34.7N; 24.2E h N	18:06:52.6(U)	
11. z	e	19 30 15				
z	e	32 07				



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11. z	eP	21 33 45	1.4/18	25.0N;101.4E h N	H=21:22:29.4(U)
N,E	eIm	22 02	Provinz Jünnan, China	25.5N;101.6E	21:22:34 (M)
11. z,n,e	e	21 44 21			
11. z	eP	22 24 53	Spuren, Nahe der E-Küste von Hondo, Japan	40.2N;142.3E h= 67km	H=22:12:56.2(U)
				40.2N;142.6E	22:12:52 (M)
12. z,e	e	03 11 03	Italien ?		(W)
z,e	e	11 20			
12. z	IPKP	03 24 12.7	0.9/14		
12. z	eP	04 19 47	Spuren, Farsistan, Iran	28 3/4°N;52/4°E	H=04:12:37 (B)
				28.9N; 52.0E h N	04:12:41.9(U)
12. z,n,e	IP	04 44 45.6D	1.7/76	40.8N; 41.9E	H=04:39:46 (B)
z,e	i	44 51.3		40.4N; 41.7E h= 40km	04:39:45.4(U)
z	e	45 01	NE-liche Türkei	40.7N; 42.0E	04:39:45 (M)
12. z	IPKP ₁	08 47 16.2D	1.1/43		
z	e	47 38	Tonga-Inseln	17.9S;174.0W h N	H=08:27:37.9(U)
12. z	eP	13 57 11	E-Kaukasus	42.8N; 47.2E h N	H=13:51:53.7(U)
z,e	e	57 32		43.1N; 47.1E	13:51:51 (M)
12. z	IP	16 24 10.4			
12. z	e	16 38 40	S-lich von Australien	49.8S;127.9E h N	H=16:19:07.7(U)
z	e	38 58			
12. z	ePKIKP	18 07 20	3.1/240		
z,n,e	IPKP ₂	08 03.1K	1.9/220		
z,e	i	08 13.7			
z	e	08 26	160.5° Mo=5.9		
z	e	08 36			
z	e	09 15			
z,n,e	ePP	11 40	S-lich der Kermadec-Inseln	33.5S;178.1W h= 23km	H=17:47:23.5(U)
z,e	e	12 24		33.4S;177.1W	17:47:19 (M)
z	e	17 20			
N,E,V	eIm	19 32	t18 an1.5 ae1 av1		
12. z,e	e	18 49 40			
12. z	eP	21 34 53	1.8/28		
			Vor der Küste von Kalifornien	32.80N;117.97W h= 8km	H=21:22:14.9(U)
				33.1N;118.3W	21:22:17 (M)
12. z	IP	22 12 24.7	Spuren, Halbinsel Kenai, Alaska	59.6N;149.2W h= 46km	H=22:01:25.7(U)
				59.7N;149.4W	22:01:24 (M)
13. z	IP	00 42 41.3D	0.9/22		
			S-Alaska	61.4N;150.5W h= 66km	H=00:31:55.6(U)
				60.8N;150.3W	00:31:47 (M)
13. z	IPKIKP	01 07 39.4	1.2/20		
z,n,e,V	IPKP ₁	07 43.7D	0.9/250		
z	IPKP ₂	07 47.7D	1.0/110		
z	epPKP	09 56	147.5° Mo=5.4		
z	e	10 16	Gebiet der Fidshi-Inseln	20.1S;178.5W h=624km	H=00:49:06.6(U)
				20.5S;177.2W	00:48:01 (M)
13. z	eP	01 31 49	1.4/16		
			Nahe der E-Küste von Hondo, Japan	40.1N;142.3E h= 60km	H=01:19:51.1(U)
				40.4N;142.3E	01:19:49 (M)
13. z,e	e(P)	08 04 00	Dagestan, UdSSR	43.0N; 47.2E h<N	H=07:58:42 (B)
z,e	e	04 16		43.0N; 47.0E h N	07:58:35.7(U)
z	eSSS	04 54		43.1N; 47.0E	07:58:32 (M)
z,n,e	e	09 16			
z	e	11 54			
13. z,n,e	e	08 26 36			

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13. z	e	08 49 55	Bulgarien	42.0N; 23.2E	H=08:43:55 (B)
				42.0N; 22.9E h= 37km	08:43:54.6(U)
13. z,n,e	IP	09 30 58.9K	1.8/150		
z	ePP	33 46		52.2N;171.1W h= 42km	H=09:19:10.3(U)
N,E,V	eIm	10 07	Fuchs-Inseln, Aleuten	52.3N;171.1W	09:19:10 (M)
13. z	eP	18 31 35			
13. z	IP	19 41 07.7D	Andreanow-Inseln, Aleuten	51.3N;178.2W h= 46km	H=19:29:16.2(U)
				50.9N;178.1W	19:29:13 (M)
13. z	ePKP	23 16 23	Spuren, Salomonen	8.7S;159.4E h=106km	H=22:57:26.8(U)
				8.6S;159.6E	22:57:19 (M)
14. z	IP	04 25 44.2D	1.3/32		
			Nahe der E-Küste von Hondo, Japan	35.2N;141.0E h= 42km	H=04:13:24.2(U)
				35.5N;141.1E	04:13:24 (M)
14. z	e	12 26 30			
14. z	eP	14 22 31	N-liche Provinz Sinkiang, China	43.6N; 86.9E h N	H=14:13:49.8(U)
				43.8N; 86.8E	14:13:51 (M)
14. z,n,e	ePg	19 20 55	(Bergschlag Kladno, CSSR) ?		
z,n,e	ISg	21 13.9			
14. z,e	e(P)	19 56 34	Banda-See	5.0S;130.0E h= 39km	H=19:37:19.4(U)
				4.7S;130.2E h= 20	19:37:18 (M)
14. z	eP	20 03 30	110.5° MLH=6.5		
z	e	07 02			
z	ePKP	07 30	Banda-See	5.0S;130.0E h N	H=19:48:59.2(U)
z	e	07 35		4.8S;130.2E h= 70km	19:49:04 (M)
z	e(pPKP)	07 46			
z	ePP	08 09			
z	e	09 55			
z,e	ePKKP	18 40			
z	e	18 48			
N,E	eL	58	t18 an8 ae5		
N,E,V	eIm	21 05	t17 an8 ae6.5 av11		
N,E,V	eL	07	t16 an8 ae3.5 av10.5		
14. z,n,e	e	20 25 40	Bergschlag Oberschlesien, Polen		(P)
14. z,n,e	e	20 36 28	Bergschlag Oberschlesien, Polen		(P)
14. z	eP	22 13 37	1.2/18	35.4N; 44.9E h= 65km	H=22:07:55 (B)
			Gebiet von Kirkouk, Irak	35.4N; 44.8E h= 58	22:07:52.5(U)
				35.1N; 44.6E	22:07:46 (M)
14. z	e(PKP)	22 53 20	Salomonen	7.3S;155.9E h= 33km	H=22:34:21.0(U)
				7.6S;156.4E	22:34:19 (M)
15. z	e	00 37 24	Spuren		
15. z	e(P)	05 39 48	Ionisches Meer	37.9N; 19.9E	H=05:36:27 (B)
				37.9N; 20.1E h N	05:36:28.1(U)
15. z,n,e	e	10 25 54			
15. z,n,e,V	IP	11 45 32.3D	1.7/260		
z	e	45 42			
z	e	46 28			
N,E,V	eL	12 16	Provinz Szetschuan, China	29.4N;101.7E h N	H=11:34:41.3(U)
				29.3N;101.9E	11:34:41 (M)
15. z	e(P)	12 39 31			
15. z,n	e	18 11 55			

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15. z	eP i	19 11 37 11 45.9	2.0/65 Grönländisches Meer	74.2N; 8.5E h N 74.2N; 9.1E	H=19:06:33.0(U) 19:06:27 (M)
15. z,n,e	eP	19 15 13	2.5/160 Grönländisches Meer	74.2N; 8.5E h N 74.4N; 9.3E	H=19:10:09.1(U) 19:10:03 (M)
15. z	e	20 43 32	Java	8.0S; 112.3E h=141km 7.9S; 112.0E 60	H=20:29:53.9(U) 20:29:46 (M)
z	e	47 34			
e	e	47 39			
z,n	ePP	47 45			
16. z,n,e	eP iPP	00 12 56 13 13.2D	1.4/29 2.0/105 S-lich von Kalabrien, Italien	38.2N; 15.9E 38.2N; 15.6E h= 21km 38.4N; 15.6E	H=00:09:49 (B) 00:09:47.1(U) 00:09:50 (M)
z	e	16 18			
z,n,e	eL	16 52			
z					
17. z,e	e(P)	00 09 02			
17. z	iP	06 57 33.7			
17. z,n,e	e	08 55 29	Spuren Sprengung, Erzberg, Steiermark		(W)
17. z,n,E,V	iPKIKP	09 50 04.3D			
z,n,e	iPKP ₁	50 05.8D	1.2/470 t7 av6.1		
V	iPKP ₂	50 08.9	(1.6/920)		
z,n,e	ipPKP	50 44.6D			
z,n,e,V	e(SKP)	54 05	146° h=150km		
z,n,V	e(SKKS)	10 05.6			
N	e(PSPS)	14.5		17.9S; 174.6W h=153km 17.4S; 174.4W 110	H=09:30:42.3(U) 09:30:39 (M)
N	eLm	11 02	Tonga-Inseln		
N,E,V					
17. z	epP	10 42 35	Ceram-See	2.9S; 126.1E h N 2.4S; 126.0E h= 55km	H=10:28:09.2(U) 10:28:14 (M)
z	e	46 04			
z,n	ePP	46 46			
17. z	e	11 55 22	Spuren		
17. z	iPKP ₁	12 46 08.3	1.1/43		
z,e	epPKP	48 50	Gebiet der Fidschi-Inseln	18.0S; 178.8W h=692km	H=12:27:41.8(U)
17. z,e	e	16 50 52	Spuren		
17. z,e	e	20 57 53			
18. z	e(P)	00 24 48	S-liche Provinz Sinkiang, China	39.0N; 74.3E h= 86km 39.2N; 74.2E	H=00:16:44.1(U) 00:16:40 (M)
18. z	epP	00 31 27	NW-lich der Kurilen	46.2N; 148.0E h= 34km	H=00:19:35.4(U)
18. z,n,e	e	03 32 34			
e	e	32 49			
18. z	e	03 40 34			
18. z	e	04 14 11	Mittelmeer, SW-lich von Kreta	34.9N; 23.1E 35.1N; 22.9E h N	H=04:09:53 (B) 04:09:53.2(U)
18. z	e	05 36 39			
18. z,n,e	e	06 33 59			
18. z	eP	08 08 49	S-liches Mittelmeer	34 1/2N; 27 1/2E	H=08:04:18 (B)
18. z	ePKIKP	09 11 03			
z	iPKP ₁	11 06.7D	1.9/130		
z	i	11 10.1			
z	i	11 18.2	Tonga-Inseln	20.5S; 173.8W h N	H=08:51:17.8(U)

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18. z	iPKP	09 58 26.4	1.0/27		
18. z	e	12 39 04			
18. z	eP	19 11 57	Gebiet des Chagos-Archipels	5.4S; 68.5E h N 5.3S; 68.7E	H=19:00:25.5(U) 19:00:26 (M)
z	i	12 09.0			
z	e	12 21			
18. z	ePg	20 10 31	470km		
e	e	10 35			
z,n,e	e(Sn)	11 04	Gloggnitz, Niederösterreich	47.7N; 15.9E	H=20:09:10 (W)
z,n,e	e	11 09			
n,e	e	11 19			
z,n,e	iSg	11 22.3			
19. z,n	e	04 38 45			
z,n,e	eSg	39 04			
19. z	iPg	07 15 33.1	125km Elstergebirge, Vogtland		
z	i	15 35.0			
z	i	15 36.7			
n,e	i	15 47.0			
z,n,e	iSg	15 47.8			
19. z,n,e	iPg	07 27 44.8	125km Elstergebirge, Vogtland		
z	i	27 46.7			
z,n	i	27 48.3			
e	i	27 48.8			
z,n,e	iSg	27 59.6			
19. z,n,e	eP	08 09 19	Grenzgebiet Kaschmir - Tibet	32.4N; 78.6E h= 60km 32.5N; 78.6E 20	H=08:00:24.6(U) 08:00:20 (M)
19. z	eP1	08 10 58			
z,n,e	iP2	11 02.0D	1.6/500 t6 an1.3 ae6.5 av10.3		
N,E,V	i	11 06			
E	i	11 09.3	50.5°		
z,e	i	11 12.7			
n	i	11 12.7			
z,e	i	11 21.1	MPV ₁ =6.2 MPH ₁ =7.1 MPV ₁ =6.5		
e	i	11 28			
z,e,E,V	ePP	13 00	MSH ₁ =7.0 MSH=7.0		
e	i	13 38.0			
e	e(PPP)	14 02			
z,e	eS	18 16	S,E t12 an16.7 ae26.2		
n,e,N,E,V	eS	18 40			
E	e	21 38			
E,V	eSS	21 38	Grenzgebiet Kaschmir - Tibet	32.5N; 78.4E h N 32.6N; 78.6E h= 25km	H=08:02:02.5(U) 08:02:03 (M)
N,E	e	22.2			
N,E	eL	28			
N,E,V	eLm	35.0	t17 an(74) ae96 av125		
N,E	eL	37			
	F	11 30			
19. z	iP	08 21 09.1	2.2/290 Grenzgebiet Kaschmir - Tibet	32.0N; 78.5E h N	H=08:12:08.1(U)
19. z	i(P)	08 22 25.1	2.5/350		
19. z	eP	13 13 36	Grenzgebiet Kaschmir - Tibet	32.1N; 78.6E h N 32.3N; 78.6E	H=13:04:36.6(U) 13:04:38 (M)
19. z,n,e	e	20 11 26			
19. z	e	20 33 35			
n,e	e	33 46			
19. z	iPKP	21 23 02.7	Gebiet der Fidschi-Inseln	19.2S; 177.5W h=557km	H=21:04:22.5(I)
20. z,n	iP	10 52 07.1D	1.6/46		
e	i	52 14.8			
e	i	52 23.0	20.5°		
e	eS	55 54			
e	e	57 45	Norwegisches Meer	71.7N; 14.6E 71.8N; 14.6E h N 71.6N; 14.8E	H=10:47:28 (B) 10:47:29.9(U) 10:47:30 (M)

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20. z	e(P)	11 15 54	Grenzgebiet Kaschmir - Tibet	32.5N; 78.6E 32.6N; 78.3E	h= 48km	H=11:06:53.9(U) 11:06:53 (M)	
20. z	ePKP	13 58 06	Spuren, S-lich von Java	9.6S; 113.9E 9.6S; 113.9E	h= 89km	H=13:39:54.4(U) 13:39:49 (M)	
20. z,n,e	iP iPP eFP i eL eIm	17 43 33.7K 43 43 46 43 47 02.1 18 21 26	S,W 1.1/(200) Nahe der E-Küste von Hondo, Japan t18 an5.5 ae9 t16 an8 ae5 av9	35.0N; 141.2E 35.3N; 141.1E	h= 28km 50	H=17:31:10.6(U) 17:31:15 (M)	
20. z	iP	18 01 47.1					
20. z,n,e	iPKP ₁ iPKP ₁ e	19 17 32.1K 17 42.1 17 52	1.9/115 Tonga-Inseln		h= 33km	H=18:57:44.0(U)	
20. z,e	eP	22 27 24	Gebiet der Philippinen	19.3N; 121.3E 19.1N; 121.6E	h= 40km 25	H=22:14:46.6(U) 22:14:43 (M)	
20. z	e	22 37 36	Spuren				
21. z	eP	06 52 54	Fuchs-Inseln, Aleuten	52.5N; 168.6W	h N	H=06:41:05.1(U)	
21. z	ePP	09 09 15	S-lich von Hondo, Japan	33.4N; 140.6E 32.9N; 141.2E	h= 72km	H=08:56:33.3(U) 08:56:24 (M)	
21. z	iP	13 21 37.5	1.2/24 Kurilen	44.0N; 148.8E 44.9N; 148.5E	h= 66km 75	H=13:09:47.7(U) 13:09:52 (M)	
21. z,n,e	iPg iBg	14 01 34.8 01 36.2	Sprengung				
21. z,n,e	e	14 40 13					
21. z	e	18 39 45	Spuren				
21. z	eP	20 03 24	W-Kreta	35.4N; 23.6E	h= 50km	H=19:59:28 (G)	
21. z	e	20 12 24					
21. z	iP i e	20 55 21.1D 55 24.6 55 34	1.3/32 Kurilen	43.4N; 147.0E 43.7N; 146.9E	h= 49km	H=20:43:28.9(U) 20:43:29 (M)	
21. z	ePKP	21 32 25	Neus Hebriden	14.7S; 167.4E 14.5S; 167.3E	h= 121km	H=21:13:11.2(U) 21:13:01 (M)	
21. z	eP	21 59 18	Halbinsel Alaska	55.8N; 158.0W 55.1N; 159.0W	h= 35km	H=21:47:49.4(U) 21:47:45 (M)	
22. z	e eIm eIm	04 56 07 05 26 32	Kiushu, Japan t14 an2.5 ae2	33.1N; 131.1E 33.3N; 131.1E	h= 9km	H=04:40:51.0(U) 04:40:58 (M)	
22. z	iPKP ₁ i iPKP ₂	05 43 54.9D 44 01.2 44 03.3K	0.9/50 S-lich der Fidschi-Inseln				
22. z	eP i e	08 42 16 42 20.6D 43 26	Gebiet der Andamanen 1.6/71	14.6N; 96.1E	h= 15km	H=08:30:37.1(U)	
22. z,e	e e	16 09 27 09 38					
22. z	ePKP	22 16 33	Salomonen	6.4S; 155.0E 6.4S; 154.8E	h= 104km	H=21:57:44.1(U) 21:57:36 (M)	

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23. z	iPKP ₁	03 13 26.3K	1.1/37 Tonga-Inseln		h= 97km	H=02:53:56.8(U)	
23. z,n,e	e	07 59 18					
23. z	eP	11 17 46	S-Peru		h= 112km	H=11:04:15.6(U) 11:04:06 (M)	
23. z	eP i z,e z N,E	14 31 27 31 30.9 31 52 34 32 15 10	1.9/84 Kiushu, Japan		h= 10km	H=14:19:14.9(U) 14:19:22 (M)	
23. z,n,e	i(P)	18 50 45.3D					
23. z	iP i i	23 01 01.4K 01 29.6K 01 34.4	0.8/18				
24. z	e z,n,e n,e eSg e n,e	16 36 14 37 02 38 28 38 38 39 09 39 17	Albanien		h N	H=16:33:03 (B) 16:33:03.2(U) 16:32:58 (M)	
24. z	ePKP ₂	19 40 22	Kermadec-Inseln	30.3S; 177.8W	h N	H=19:19:54.9(U)	
25. z	eP	00 19 50	Mittelmeer, SE-lich von Kreta	34.6N; 24.1E 34.6N; 24.1E 34.6N; 24.3E	h N	H=00:15:32 (B) 00:15:33.7(U) 00:15:34 (M)	
25. z,n,e	iP e e e e e,N,E N E N z N,E,V	02 21 14.7K 21 27 24 06 24 52 31 40 37 24 37 44 44 05 47 27 55	2.5/1000 t13 ae3.4 av7.2 85° MPV ₁ =6.6 MPV ₂ =6.8 MIH=6.5 t17 an7.7 ae12.5 Grenzgebiet Panama - Kolumbien t21 an12.5 ae17 av17				
25. z,n	e	03 05 18					
25. z	eP	03 37 43	Grenzgebiet Panama - Kolumbien	7.1N; 77.9W	h N	H=03:25:08.4(U)	
25. z	e	10 55 13					
25. z	e e(SS)	14 17 38 20 13	Ionisches Meer	37.8N; 20.2E 38.0N; 20.0E	h N	H=14:14:08 (B) 14:14:09.3(U)	
25. z	eP	17 16 30	1.0/23 Fuchs-Inseln, Aleuten	51.1N; 171.0W 51.2N; 171.3W	h N	H=17:04:34.0(U) 17:04:35 (M)	
25. z,n,e	eSg	23 54 47	Schwäbischer Jura	48.3N; 9.1E	h= 19km	H=23:52:40.2(U)	
26. z	e(P) i z,n,e z	05 34 46 34 49.9D 34 56.3	1.4/22 Ägäisches Meer		h= 48km	H=05:30:50 (B) 05:30:54.6(U) 05:30:53 (M)	
26. z	iPKP ₁	09 21 19.3D	0.9/24 Gebiet der Fidschi-Inseln		h= 352km	H=09:02:23.7(U)	
26. z	eP	11 35 50					
26. z	e	14 53 38					

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26. s	eP	19 38 49	Gebiet der Insel Unimak	53.7N; 163.7W	h N	H=19:27:13.1(U)			
26. s	iP	23 59 29.8	1.1/16						
27. z,n,e	e	00 07 44	Spuren						
27. z,n,e	iPKP ₁	03 21 55.6D	1.1/48 Gebiet der Fidschi-Inseln	21.9S; 179.4W	h=619km	H=03:03:14.9(I)			
27. s	eP	08 19 16	Grenzgebiet Kaschmir - Tibet	32.5N; 78.7E 32.2N; 78.5E	h N	H=08:10:18.7(U) 08:10:17 (M)			
27. s	e	15 28 09	Gebiet der Sumba-Inseln	9.9S; 119.4E	h N	H=15:10:01.8(U)			
	ePKP	28 29		9.8S; 119.3E		15:10:03 (M)			
	ePP	29 03							
	eIm	16 18							
	H,E,V								
27. s,e	e	16 55 18							
27. s	e(PKP)	18 56 22	S-Shetland-Inseln	62.0S; 56.1W 61.7S; 53.1W	h N	H=18:37:17.9(U) 18:37:24 (M)			
27. s	ePKP	20 28 44	Gebiet von Neu-Irland	4.7S; 153.1E	h= 82km	H=20:09:56.2(U)			
28. z,e	iP	12 04 42.8	1.1/24						
z,n,e	e	04 53	Gebiet der Kommandeur-Inseln	56.1N; 164.6E	h N	H=11:53:30.7(U)			
s	ePP	07 18		56.0N; 164.6E	h= 40km	11:53:31 (M)			
H,E	eIm	38	t15 an1,5 ae1,5						
V	eIm	41							
28. z	e	20 31 24							
28. s	i(P)	21 17 06.6							
28. s	eP	21 17 28	K E-liches Mittelmeer,	34.5N; 33.9E		H=21:12:34 (E)			
n,e	e	17 38	SE-lich von Zypern	34.6N; 33.7E	h= 45km	21:12:33.1(U)			
s	e	19 37		34.2N; 33.5E		21:12:28 (M)			
28. s	e	21 54 13	Spuren						
29. s	e	03 08 19							
29. s	eP	08 15 18	Gebiet der Bonin-Inseln	26.9N; 140.2E 24.4N; 142.5E	h=500km	H=08:03:14.4(U) 08:02:09 (M)			
29. z,n,e	e(P)	10 13 51	1.0/18						
29. s	e	14 55 42	Spuren						
29. s	e	15 00 25							
n,e	e	00 42							
29. s	e	16 41 17							
30. s	e	02 09 16	Spuren						
30. z,n,e	eP	11 53 41							
30. s	eP	13 19 13	Riu-kiu-Inseln	25.2N; 126.1E	h= 51km	H=13:06:45.4(U)			
30. s	eP	15 13 31	Spuren, Gebiet der Philippinen	15.9N; 122.4E	h= 33km	H=15:00:32.9(I)			
30. s	e	15 35 34							
31. z	eP	04 38 44	Vor der E-Küste von Hondo, Japan	40.3N; 143.8E	h= 18km	H=04:26:39.4(U)			
z	epP	38 54		40.8N; 143.7E		04:26:44 (M)			

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31. s	e	08 54 20							
31. s	ePKP	11 04 43	Tonga-Inseln	15.3S; 175.1W	h=251km	H=10:45:39.7(U)			
31. z	e	11 32 27							
z	e	35 27							
31. s	eP	12 48 40	Nepal	28.1N; 84.7E	h N	H=12:38:52.4(U)			
				28.4N; 84.7E	h= 75km	12:38:59 (M)			
31. z,n	e	17 48 36							
31. z,n,e	e	22 47 19							

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1. s	e	02 55 04			
1. s	eP	06 04 06	Gebiet der Insel Unimak	53.5N;163.3W h= 18km H=05:52:22.2(U)	
	e	04 24		53.3N;163.4W 05:52:23 (M)	
1. s	1PKP ₁	09 18 24.5D	1.7/74		
	1PKP ₂	18 28.2K	1.3/56		
	s		Gebiet der Fidschi-Inseln	20.5S;176.3W h=146km H=08:58:55.5(U)	
1. s	eP	14 29 26	Tibet	32.5N; 93.4E h N H=14:19:23.8(U)	
				32.5N; 93.8E 14:19:18 (M)	
1. s	e	15 32 58	1.6/21 Mindere, Philippinen	13.0N;120.2E h N H=15:19:50.5(U)	
				13.8N;120.4E 15:19:54 (M)	
1. s	e	18 26 52	NW-Kaschmir	36.0N; 73.0E h= 70km H=18:16:50.8(U)	
				35.6N; 73.1E 18:16:45 (M)	
1. s	e	18 36 42			
1. s,e	1PKP	20 01 30.3D	0.8/28 Gebiet von Neu-Irland	4.8S;153.2E h= 57km H=19:42:37.8(U)	
				4.7S;154.3E 19:42:32 (M)	
2. s,n,e	eSg	00 30 04			
2. s	e	02 32 42			
2. s	1P	06 30 00.2D	0.7/12		
2. s,n,e	1P1	07 36 32.3D	2.1/135		
	1P2	36 36.7D	2.1/250		
	e	36 53	Nahe Inseln, Aleuten	53.1N;173.4E h= 25km H=07:24:53.3(U)	
				53.3N;173.1E 07:24:56 (M)	
2. s,n,e	eP	07 55 22	0.8/42		
	epP	55 37			
	e	56 14	Grenzgebiet UdSSR - Mongolei	50.5N; 90.9E h N H=07:46:52.8(U)	
	ePP	57 06		50.6N; 90.7E 07:46:54 (M)	
	e	57 42			
2. s	1P	08 17 28.6D	UdSSR - Mongolei		
				50.5N; 91.1E h= 0km H=08:08:59 (S)	
2. s,n,e,V	eP1	08 55 19			
	eP2	55 31	2.3/600		
	e	55 41			
	e	55 51	75° MP2V _k =6.2 MSH=6.7 MLH=7.3		
	e	56 55			
	eS	09 04 58	t16 an8.8 ae9.1		
	ePKPPK	22 52	Nahe Inseln, Aleuten	53.1N;173.5E h= 10km H=08:43:39.1(U)	
	ePKPPKS	26 23		53.4N;172.7E 08:43:45 (M)	
	eLm	35	t16 an(115) ae38 av115		
	eL	40	t18 an43 ae60.5		
	eL	46	t17.5 an(81) ae41 av(100)		
2. s	e	09 32 36			
2. s	eP	10 51 15			
2. s	e	14 10 06	Spuren		
2. s	e(P)	16 03 48	Spuren		
2. s	e(P)	16 04 42	Nahe Inseln, Aleuten	52.9N;173.6E h= 31km H=15:53:06.9(U)	
				53.1N;173.5E 15:53:07 (M)	
2. s,n,e,V	1PKP	16 10 12.9D	1.0/220		
	e(PKPP)	11 54			
	e	12 22	Gebiet der Fidschi-Inseln	17.3S;177.3W h=461km H=15:51:26.7(U)	
	e	12 50			
	e	13 19			



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2. z,n,e,V	1P	16 29 05.9K	1.4/350		
	e	29 18			44.6N;146.9E h= 80km H=16:17:23.7(U)
	e	29 55	Kurilen		44.9N;146.9E 150 16:17:32 (M)
2. z	e	17 34 09	Spuren		
2. z,e	eP	19 23 08	1.8/36		
	e	24 24	Grenzgebiet Kaschmir - Tibet	32.6N; 78.5E h= 21km H=19:14:09.7(U)	
				32.6N; 78.5E 19:14:07 (M)	
2. z	e	20 06 55			
2. z	e	21 15 24	Mazedonien, Griechenland	40.5N; 21.4E H=21:12:18 (B)	
	eSS	17 18		40.6N; 21.4E h N 21:12:19.2(U)	
	e	17 42		40.5N; 21.5E 21:12:19 (M)	
	e	18 29			
	e	19 27			
3. z,n,e	1P	01 15 46.8	1.8/59		
	1P	16 40.1D	1.7/94		
	e	16 55	(86.5° h=220km)		
	ePP	19 12	Grenzgebiet Mexiko - Guatemala	15.6N; 91.8W h=218km H=01:03:25.2(U)	
3. E	eL	06 13			
3. z	eP	06 18 30	S-lich von Panama	7.6N; 82.5W h N H=06:05:43.4(U)	
	e	18 49			
3. z,e	eP	08 18 47	Gebiet der Kurilen	48.3N;157.1E h= 66km H=08:07:04.0(U)	
				48.4N;157.2E 08:07:01 (M)	
3. z	eP	14 19 46	Grenzgebiet Tadschikische SSR - Sinkiang	39.4N; 73.0E h N H=14:11:51.1(U)	
				39.4N; 72.9E 14:11:53 (M)	
3. z	e	17 03 14	Banda-See	4.9S;130.0E h= 22km H=16:45:15.0(U)	
				4.7S;130.0E 60 16:45:21 (M)	
3. z	e	22 14 18	Spuren		
3. z	e	23 49 23			
4. z	e(P)	01 44 14	Montana	48.2N;114.1W h= 8km H=01:32:52.1(U)	
4. s	1PKP	02 08 07.6D	1.0/34		
			S-lich der Fidschi-Inseln	21.3S;179.7E h= 0km H=01:48:24.6(I)	
4. z	e	02 48 47			
4. z	1P	06 36 58.2K	1.2/24		
			Vor der E-Küste von Kantschatka	51.6N;159.6E h N H=06:25:26.1(U)	
				51.5N;159.7E 06:25:23 (M)	
4. z,n,e	eSg	08 55 05	Sprengung, Ersberg, Steiermark	47.5N; 14.9E H=08:52:59 (W)	
4. z	1PKP ₁	09 30 48.7D	0.9/28		
	1PKP ₂	30 53.8K			
	epPKP	33 07	Gebiet der Fidschi-Inseln	20.6S;178.8W h=619km H=09:12:10.6(U)	
4. z,n,e,V	1P1	11 47 16.0K	2.3/340		
	z,n,e	47 22.0	t8 an3.2 ae4.3 av11.6		
	WN,WE,N,E,V	47 26	1.6/830		
	z,n,e	47 35			
	z,n,e	49 56	69.5° MPmV _k =6.7 MPH ₁ =7.2 MPV ₁ =7.2		
	z,WE,N,E,V	50 03.1			
	e	50 09.8	MSH=7.3 MLH=8.0 Mag=8.1		
	e	50 15.9			
	e	51 31	NE-China	40.6N;122.6E h= 33km H=11:36:07.5(U)	
	N,E	51 40		41.0N;122.7E 20 11:36:07 (M)	
	n,e,WN,WE	56 26	t12 an25.7 ae16.1 av(6.7)		
	N,E,V				

Fortsetzung nächste Seite

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Fortsetzung

N, E	e	12 02					
N, E	eL	11					
WN, WE	eL	14					
n, e, N, E	eIm	16	t16 (an550 ae490)				
WN, WE	eIm	17	(t16 an610 ae430)				
s, n, e, WN, WE	eL	21					
	F	15					
4. s	iP	11 59 19.4K	NE-China	40.6N; 122.9E	h N	H=11:48:08.1(U)	
4. s	eP	13 43 46	1.8/48 NE-China	40.7N; 122.4E 40.9N; 122.6E	h N	H=13:32:37.7(U) 13:32:39 (M)	
4. s	e(P)	13 50 29					
4. s	eP	13 51 21	China	40.8N; 122.5E		H=13:40:13 (M)	
4. s	eP	14 14 29	NE-China	40.6N; 122.6E	h N	H=14:03:18.5(U)	
4. s	iP	19 24 04.2					
4. s, n, e	e	20 00 56					
4. s	iP	20 32 32.1D	1.7/36	25.3N; 123.1E	h=179km	H=20:20:30.6(U)	
s	epP	33 17	NE-lich von Taiwan	25.7N; 123.3E	170	20:20:31 (M)	
5. s, n, e	e	00 23 29					
5. s	epPKP	02 54 50	Oster-Insel-Rücken	55.68; 119.0W	h N	H=02:34:53.0(U)	
5. s, e	e	03 04 50					
5. s	iPKP	04 26 12.7	1.3/19				
5. z	eP	05 51 36	Spuren, Grenzgebiet	37.0N; 71.9E	h=158km	H=05:43:47.1(U)	
s	e	54 20	Afghanistan - UdSSR	37.1N; 71.8E	145	05:43:47 (M)	
5. s	iP	06 45 48.8	Riu-kiu-Inseln	27.2N; 130.2E	h N	H=06:33:17.2(U)	
s	e	45 59					
5. s, n, e	e	08 52 08					
5. s, e	e	10 01 34	Spuren				
5. s, e	e	14 50 41					
5. s, n, e	e	16 10 10					
N, E	eIm	32					
5. s, e	iP	21 54 53.8	NE-China	40.7N; 122.6E	h N	H=21:43:43.2(U)	
s	e	57 41		40.9N; 122.9E		21:43:44 (M)	
H, E	eIm	22 23					
5. s	iP	23 55 05.8D	1.2/31				
			Vor der E-Küste von				
			Kantschatka	51.5N; 159.7E	h=31km	H=23:43:32.9(U)	
6. s	e	00 11 43	Spuren	51.4N; 159.4E		23:43:31 (M)	
6. z	e	01 17 21	Spuren				
6. s, e	iP	04 36 05.2	0.7/15				
s, n	i	36 09.7					
s	i	36 15.1	NE-China	40.8N; 122.3E	h N	H=04:24:56.5(U)	
N, E	eIm	05 04	t18 an5.5 ae5.5	40.8N; 122.5E	h=30km	04:24:55 (M)	
V	eIm	10	t13				
			av2				

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6. z	e	09 41 30	Norwegisches Meer	74.2N; 10.1E	h=	Okm	H=09:36:17 (I)
6. z	iPKP ₁	11 56 53.4D	S-lich der Tonga-Inseln	24.08; 175.8W	h N		H=11:37:00.2(U)
6. z, n	e	12 17 09	Grönländisches Meer	73.8N; 8.1E	h=	Okm	H=12:11:58 (I)
6. z, n	eP	18 02 08	2.0/82				
s, e	ipP	02 17.9D	1.9/115				
			Norwegisches Meer	74.4N; 10.0E	h N		H=17:57:05.0(U)
				74.0N; 9.1E			17:57:07 (M)
6. z	e(P)	21 36 20	E-lich des Baikal-Sees	55.9N; 117.6E	h N		H=21:26:36.6(U)
s	e	37 41		56.2N; 118.0E			21:26:40 (M)
6. s	iP	22 04 20.3D	0.8/17				
7. z, n, e, V	iPKP	05 10 40.0D	1.7/130				
s, n, e	e	10 45					
s	i	10 50.3	123°				
s	e	12 09					
s, n, e, V	iPP	12 19.7	t9 an1.3 ae1.7 av4.0				
s, V	e	17 10					
E	eSKS	17 42	MPPH ₁ =6.9 MPPV ₁ =7.0 MIH=6.9				
s	e(SKKS)	19 25					
s	iPKP	20 30.1	1.6/47				
s	i	20 33.9					
s, n, e, V	ePS	22 13					
s	e	23 46	Gebiet von Neu-Britannien	7.38; 149.5E	h N		H=04:51:44.0(U)
N, E	eFPS	23 52		6.78; 149.7E			04:51:46 (M)
N	e	28 00					
N	eSS	29.5					
N, E	eSSS	33.9					
E	e	38.7					
N, E, V	eIm	06 03	t24 an17 ae22 av21.5				
N, E, V	eIm	05	t22 an19 ae16 av23.5				
F	F	07 30					
7. z	i	05 27 01.7	Naher der N-Küste von	2.68; 139.2E	h N		H=05:07:54.2(U)
s	ePP	27 28	W-Neuguinea				
7. z	ePKP	05 46 33	Gebiet von Neu-Britannien	7.28; 149.7E	h=	15km	H=05:27:35.8(U)
7. z	e(Sg)	07 47 51	Spuren				
7. z, n, e	e	11 15 10					
7. z, n, e	e	12 25 15					
s, e	e	25 25					
7. z, e	iP	16 53 28.2K	1.1/41				
s, n, e	ipP	53 42.1K					
i	i	53 59.4	Naher der E-Küste von	35.7N; 140.0E	h=	56km	H=16:41:15.6(U)
s	epFP	56 46	Hondo, Japan	36.0N; 139.9E		30	16:41:13 (M)
7. z	e	18 42 03					
7. z	ePKP ₁	20 06 03	Gebiet der Loyalty-Inseln	22.58; 172.7E	h=	105km	H=19:46:30.7(U)
s	e	06 13					
s	e	06 20					
s	e	08 05					
8. s, n, e	iPKP	03 30 43.9K	1.3/270				
			Tonga-Inseln	17.08; 174.6W	h=	169km	H=03:11:25.8(U)
8. z	eSn	04 36 34	Ligurischer Apennin	44.4N; 9.6E			H=04:33:24 (B)
s	e	37 15					
8. z	ePn	08 23 51	Rumänien	45.1N; 26.0E			H=08:21:23 (B)
s, e	e	24 14		45.3N; 26.0E	h=	23km	08:21:18.0(U)
s, e	e	26 43					
8. z	e(PKP)	09 22 22	Gebiet der Loyalty-Inseln	22.98; 173.0E	h=	57km	H=09:02:43.0(U)
s	epPKP	22 29					

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8. s	e	09 46 25				
8. s	e(PKP)	11 50 24	Tonga-Inseln	15.4S;173.5W h= 72km	H=11:31:00.7(U)	
8. s	e	18 22 25				
8. s	e	23 29				
8. s	ePKP	22 26 41	Spuren, Gebiet der Samoa-Inseln	16.0S;172.8W h N	H=22:07:07.2(U)	
9. s	eP	00 00 12	Fuchs-Inseln, Aleuten	52.6N;169.2W h N	H=23:48:25.5(U)	
9. n	i	00 16 42.1				
9. n	i	17 04.9				
9. n	eL	17 15				
9. s	e	03 34 23				
9. s	e	05 02 41				
9. s	e	04 42				
9. s	e	05 15 31				
9. s	eIm	51				
9. s,e	iPKP	05 57 43.2	1.0/58			
9. s,e	i	57 47.3	Gebiet der Fidschi-Inseln	18.0S;177.8W h=448km	H=05:38:55.2(U)	
9. s	iPKP ₁	07 28 30.9K				
9. s	iPKP ₂	28 46.6D	1.2/43			
9. s	e	29 02	Kernadee-Inseln	29.8S;177.7W h= 24km	H=07:08:21.8(U)	
9. s	e	10 17 06		29.8S;176.2W	80	07:08:27 (M)
9. s	iP	10 35 46.3	1.4/25			
9. s	eP	11 13 02	1.7/36			
9. s	e	13 14				
9. s	e	13 34				
9. s	e	14 07				
9. s	eS	22 38				
9. s	eIm	49				
9. s	eIm	53				
9. s	e(P)	12 39 48	S-lich von Lesbos, Ägäisches Meer	38.8N; 26.3E	H=12:36:04 (B)	
9. s	e	45		38.8N; 26.1E h= 31km	12:36:05.0(U)	
9. s	eP	14 44 05	1.7/59			
9. s	e	44 13				
9. s	e	47 04				
9. s	eP	15 34 31	1.8/26			
9. s	e	34 38				
9. s	eP	18 54 33				
9. s	e	23 26 50				
9. s	e(P)	23 37 13	Grenzgebiet Indien - China	29.9N; 96.9E h N	H=23:26:35.8(U)	
10. s	e	01 01 55				
10. s	e	03 52 44				
10. s	iPKP	06 11 00.3K	0.9/21			
10. s	e	11 48	Tonga-Inseln	15.6S;174.5W h=150km	H=05:51:44.4(U)	

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10. s,e	eP	19 16 05	27°	MLH=5.0		46.2N; 28.0W		H=19:10:21 (B)
10. s,e	eS	20 44		N-atlantischer Rücken		46.5N; 27.5W	h N	19:10:27.0(U)
10. s,e	eL	24				46.5N; 27.7W		19:10:21 (M)
10. s,e	eIm	26		t13 an2 ae2 av2.5				
10. s	eP	19 55 41	1.5/17					
10. s	eP			Carlsberg-Rücken		3.3N; 63.8E	h N	H=19:45:09.5(U)
10. s	iP	20 32 16.7K	1.3/25					
10. s	eP	32 29		Riu-kiu-Inseln		28.0N;129.5E	h N	H=20:19:51.1(U)
10. s	eL	21 06 38				28.3N;129.5E		20:19:53 (M)
10. s	eIm	14		t14 an1.5 ae1.5 av2				
10. s	iP	21 24 04.5K	1.5/30					
10. s	e	24 12						
10. s	e	24 34		Carlsberg-Rücken		3.8N; 64.0E	h N	H=21:13:34.4(U)
11. s,e	e	03 28 05				2.5N; 64.2E		21:13:26 (M)
11. s	e	10 51 12						
11. s	eP	11 30 30		Jakutien, UdSSR		66.7N;119.2E		H=11:21:38 (M)
11. s	eP	14 42 17		Halbinsel Alaska		66.8N;119.7E	h= 33km	11:21:37.0(I)
11. s	eP	19 09 51.9						
11. s	i	09 52.9	0.9/22					
11. s,e	iP	20 38 30.3K	1.7/56					
11. s,e	ePP	40 12						
11. s,e	eIm	57		t20 an2 ae0.5				
11. s,e	eP	22 09 24	1.2/20					
11. s,e	eP	11 28						
11. s,e	ePP	13 24		S-Bolivien		20.7S; 62.9W	h=562km	H=21:56:49.5(U)
11. s,e	eSKS	19 11						
11. s,e	e	19 46						
11. s,e	ePKKP	26 00						
11. s,e	ePKKP	26 32						
11. s,e	ePKPKP	34 11						
11. s,e	eP	22 12 21	1.4/18					
11. s	ePP	14 16						
11. s	eIm	30		t12 an1				
11. s	eP			S-liche Provinz Sinkiang, China		38.6N; 75.2E	h N	H=22:04:11.3(U)
11. s	eP					38.7N; 75.3E		22:04:13 (M)
12. s	eP	10 15 23		Panama		7.1N; 78.3W	h= 23km	H=10:02:45.2(U)
12. s	eP	12 53 57		NE-China		40.7N;122.5E	h N	H=12:42:47.4(U)
12. s	eP					40.7N;123.0E		12:42:46 (M)
12. s,n,e	iP	13 43 01.7	1.5/110					
12. s,n,e	e	43 57						
12. s,n,e	ePP	44 43	44°					
12. s,n,e	e(S)	49 45						
12. s,n,e	e(SS)	52 56		Gebiet von Alma-Ata		43.0N; 78.9E	h N	H=13:34:55.0(U)
12. s,n,e	e	54 33				43.3N; 78.9E		13:34:56 (M)
12. s,n,e	e	56 47						
12. s,n,e	e	57 44						
12. s,n,e	e	58 56						
12. s,n,e	eIm	14 02.1						
12. s,n,e	eL	03 08						
12. s,n,e	e	19 04 57						
13. s	iPKP	01 20 48.4D	0.8/23					
13. s	ePKP	22 19		Salomonen		4.6S;154.8E	h=492km	H=01:02:46.4(U)
13. s	ePKP					4.6S;155.0E	400	01:02:37 (M)

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13. z	e	01 36 52	Spuren		
13. z	IP	10 57 07.6K	1.1/18		
13. z	ePKP ₁	17 27 19	1.1/14		
z	e	29 07			
z	epPKP	29 19	S-lich der Fidschi-Inseln	25.0S; 179.9E h=511km H=17:08:21.6(U)	
13. z	IPKP	19 15 50.9D	0.8/15		
14. z	e	11 30 13	Albanien	41.4N; 20.2E H=11:25:37 (B)	
e		30 38		41.4N; 19.9E h= 36km 11:25:39.9(U)	
z	e	30 48			
z,n,e	eSg	31 44			
14. z,n,e	e	22 50 20			
15. z	epP	00 10 11	2.0/35		
			Nahe der Küste von Nikaragua	11.7N; 86.1W h=146km H=23:57:08.1(U)	
15. z	eP	06 27 48	1.6/21		
z	e	27 56	Mozambique-Kanal	16.2S; 41.6E h N H=06:16:27.8(U)	
				16.1S; 41.5E 06:16:23 (M)	
15. z	e(P)	08 34 06	Samar, Philippinen	11.0N; 125.9E h= 65km H=08:20:40.8(U)	
				11.2N; 126.0E 08:20:38 (M)	
15. z	e	09 40 07	Spuren		
15. z,n	IP	10 27 34.4K			
z,e	i	27 36.3	1.3/34		
z,e	i	27 42.9			
N	eL	33.8	Gebiet der Insel Karpathos	35.7N; 27.0E h= 50km H=10:23:23 (B)	
				35.9N; 27.1E 28 10:23:18.3(U)	
				35.2N; 26.8E 10:23:13 (M)	
15. z	eP	13 19 17	NE-China	40.7N; 122.6E h N H=13:08:07.3(U)	
z,e	epP	19 29		41.1N; 122.8E 13:08:09 (M)	
N,E	eL	47	t20 an2 ae1.5		
N,E,V	eIm	51	t17 an2 ae1.5 av1.5		
15. z	e	14 27 25			
15. z	e	15 53 12	Spuren		
15. z	e	18 36 03	Bergschlag Oberschlesien, Polen		
z,n,e	e(Sg)	36 56			
z	i	37 07.3		H=18:34:57 (P)	(W)
16. z	IPKP	05 17 29.3D	1.3/28		
z	e(pPKP)	18 17			
z,e	epP	19 01	Gebiet von E-Neuguinea	7.2S; 146.1E h=174km H=04:58:55.7(U)	
				7.2S; 146.3E 80 04:58:45 (M)	
16. z,e	eP	14 12 32	1.8/61		
N,E	eIm	40	t18 an3 ae2.5		
N,E,V	eIm	45	NE-China	40.7N; 122.5E h N H=14:01:23.2(U)	
				41.1N; 122.5E 14:01:25 (M)	
16. z	ePKP ₁	15 55 45	Gebiet der Loyalty-Inseln	23.0S; 172.4E h= 53km H=15:36:04.5(U)	
16. z	epP	16 31 29	Vor der Küste von N-Peru	8.5S; 82.1W h= 29km H=16:13:40.3(U)	
16. z	e	18 07 41	Spuren		
16. z	ePKP	19 40 10	Spuren, Santa-Cruz-Inseln	10.8S; 166.6E h N H=19:20:52.9(U)	
				10.3S; 166.6E 19:20:55 (M)	
17. z	eP	03 49 53	K 73° MIH=5.8		
z,n,e	i	49 55.1	2.0/180		
z	e	50 18			
z	i	51 19.1	Grenzgebiet Burma - Thailand	17.6N; 97.9E h= 6km H=03:38:19.8(U)	
z	ePPP	54 09		17.7N; 98.1E 03:38:24 (M)	

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Fortsetzung

	N,E	eS	59 21		
	N,E	eSSS	04 07.7		
	N	eL	20	t30 an10	
	N,E,V	eIm	25	t20 an3.5 ae4 av4	
17. z	IP		06 17 49.8D	Gebiet von Hokkaido, Japan	42.8N; 145.4E h= 61km H=06:05:58.7(U)
17. z	ePKP ₂		06 52 45	1.6/23	
				S-pazifischer Rücken	56.3S; 143.4W h N H=06:31:41.2(U)
17. z	e		10 28 41		
17. z	eP		11 39 19		
17. z	e(Pn)		14 26 16	Jugoslawien	44.9N; 17.1E H=14:24:38 (B)
z,n,e	e		27 10		45.0N; 17.2E h N 14:24:40.0(U)
z,n,e	eSg		28 27		
n	i		28 37.7		
17. z	IP		14 35 53.3		
17. z,e	ePg		14 48 57	95km Sprengung	
z,n,e	iSg		49 08.1		
z,n,e	eL		49 18		
17. z,n,e	e		14 52 48	Gorizia, Grenzgebiet	
z	i		52 53.6	Italien - Jugoslawien	H=14:49:56 (W)
18. z,e	e		10 18 26		
18. z	i(P)		10 37 20.7	S-lich von Panama	4.9N; 82.7W h= 18km H=10:24:21.6(U)
18. z	e		12 57 56		
18. z	e		15 47 50	Spuren	
18. z	eP		23 12 49	Gebiet von Tristan da Cunha	35.2S; 15.8W h N H=22:59:46.8(U)
z	epP		16 22		35.6S; 17.7W 22:59:49 (M)
19. z	ePKP		06 37 56	Gebiet von Neu-Britannien	4.9S; 152.7E h= 65km H=06:19:05.1(U)
z	epPKP		38 12		4.3S; 152.9E 06:19:04 (M)
19. z,n,e	eSg		16 56 03	Sprengung, Erzberg, Steiermark	(W)
19. z,e	e		20 18 40		
19. z,e	e		23 11 16		
20. z,n,e	e		01 58 39		
20. z	eP		04 14 44	S-lich von Hondo, Japan	30.7N; 138.3E h=452km H=04:02:55.6(U)
z	epP		16 29		30.7N; 138.2E 460 04:02:56 (M)
20. z,n,e	IP		05 40 37.1K	1.0/(145)	
z	i		40 58.2	Unterirdische Kernexplosion,	
z,n,e	ePn		42 05	Gebiet von Semipalatinsk,	50.0N; 78.5E H=05:33:00 (B)
				Kasachische SSR	49.8N; 78.1E h= 0km 05:32:57.7(U)
20. z	e		08 07 18	Spuren	
20. z	e		13 59 05	Ionische Inseln	38.5N; 20.2E H=13:55:38 (B)
					38.5N; 20.3E h= 4km 13:55:35.2(U)
					38.4N; 20.3E 13:55:37 (M)
20. z,e	IP		14 49 35.0	Großer Kaukasus, UdSSR	42.4N; 44.9E h= 60km H=14:44:31 (B)
z,n,e	i		49 41.6		42.4N; 45.2E h N 14:44:25.6(U)
z,e	i		49 47.1		42.6N; 45.3E 14:44:21 (M)

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25. s,e	1PKP ₁	06 36 09.2	0.9/42 Gebiet der Fidschi-Inseln	18.6S;177.8W h=570km H=06:17:31.7(U)
25. s	1P	15 48 45.8		
25. s	ePKP	19 47 22	Fidschi-Inseln	16.3S;178.1E h N H=19:27:51.4(U) 15.7S;179.6E 19:27:53 (M)
25. s	eP	21 21 02	1.4/18 NE-China	40.9N;122.8E h N H=21:09:53.4(U) 41.1N;122.7E 21:09:54 (M)
25. s	eP	22 14 32	0.9/13	
z	e	14 39		
s	e	15 36	S-lich von Hondo, Japan	33.2N;140.4E h= 71km H=22:02:07.9(U) 33.2N;140.9E 22:02:03 (M)
25. s	eP	23 07 50	NW-lich der Kurilen	52.7N;152.8E h=427km H=22:57:16.5(U) 52.5N;153.2E 480 22:57:19 (M)
25. s	e	23 22 12	Spuren	
26. z,n,e,N,V	1P	04 56 16.1D	2.1/79	
z	e	56 24	2.0/190	
z	e	56 38		
z,N,V	e	57 34	39° MIH=5.5	
N,E,V	eS	05 02 17	t10 an2.0 ae0.8	
N,E	eSS	05 02	Polarbecken,	85.1N; 96° E H=04:48:53 (B)
e,E	e	07 16	N-lich von Sewernaja Semlja	85.0N; 98.0E h N H=04:48:54.7(U)
N,E,V	eIm	17	t14 an3 ae3.5 av2.5	84.8N; 97.7E H=04:48:50 (M)
F	F	06		
26. z	e	06 54 36	Griechenland	38.1N; 20.0E h N H=06:50:45.3(U)
26. z,n,e	e	08 55 32		
26. s	e	08 59 08		
26. z,n,e,V	1Pg	10 43 33.1	Sprengung	
z,N,E,V	1Sg	43 34.8		
26. z,e	e	11 23 54		
26. s	e	11 47 43		
26. z,e	e	12 01 54		
26. s	e	13 54 37		
26. s	1PKP	14 47 56.6D	0.9/24 Salomonen	6.5S;154.9E h= 54km H=14:29:00.5(U) 6.2S;154.9E 14:28:59 (M)
26. z,e	1P	18 36 10.2	2.0/65	
N	eL	46	t16 an1	
E,V	eIm	47	t16 ae1.5 av1	53.7N; 35/2W H=18:30:09 (B)
			N-atlantischer Rücken	53.8N; 35.3W h N H=18:30:11.9(U)
26. s	eP	19 43 28	1.8/29	54.1N; 35.7W H=18:30:06 (M)
27. z,e	e	07 50 17	N-atlantischer Rücken	54.0N; 35.2W h N H=19:37:30.6(U)
z	e	53 40		54.5N; 35.3W H=19:37:27 (M)
s	ePKP ₁	53 52	S-lich der Fidschi-Inseln	25.3S;179.9E h=459km H=07:34:38.2(I)
27. s	ePKP ₂			
27. s	1PKP ₁	08 04 24.4	0.9/13	
z	e	05 10	S-lich der Fidschi-Inseln	23.2S;177.9W h=328km H=07:45:08.6(I)
27. z,n,e	e	11 22 25		

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27. z	e	12 15 10		
27. z	eP	13 16 30	S-Iran	28.1N; 53.0E h N H=13:09:16.0(U)
27. z	ePKP	14 42 45	0.9/22	
z	epPKP	43 03		
z	ePP	44 18	121.5° MIH=6.1	
z,e	e	44 55		
z	ePKKP	52 45	Gebiet von Neu-Britannien	6.1S;148.2E h= 78km H=14:23:59.3(U)
z	ePKKP	53 15		5.9S;148.0E 80 14:24:00 (M)
E	ePS	54 30		
E	e(SS)	15 01 28		
N,E	e(SSS)	06 05		
N,E,V	eIm	38	t20 an3.5 ae2.5 av3.5	
27. z,e	1Pg	15 46 51.8	220km Sprengung	
z,n,e	1Sg	47 18.3		
27. s	e	15 57 33	1.4/23	
27. z,n,e	i(Pn)	18 33 50.3	200km Bergschlag Pribram, CSSR	(0)
n,e	i	34 13.9		
z,n,e	1Sg	34 16.6		
27. z,n,e	1PKIKP	19 01 26.5	145.5°	
z	1PKP ₁	01 28.1	1.1/125	
z	1PKP ₂	01 29.2		
z	e	02 44	Gebiet der Fidschi-Inseln	17.9S;178.6W h=586km H=18:42:53.7(U)
z	epPKP	03 51		17.9S;178.1W 450 18:42:40 (M)
z	1SKP	04 13.5	1.3/37	
z	ePP	04 56		
27. z,n,e	e	20 49 05		
27. z	e	21 20 39		
z	e	20 55		
28. z,n,e	e	00 55 24		
28. z	ePg	02 59 29		
z,n,e	1Sg	59 44.1		
z,e	eL	59 55		
28. z	ePg	03 04 14		
z,n,e	eSg	04 28		
28. z	e(P)	04 25 48	Luzon, Philippinen	18.3N;122.1E H=04:13:01 (M) 18.0N;121.4E h= 33km H=04:13:00 (I)
28. z,n,e	1Pg	08 01 02.1	155km	
z,n,e	1Sg	01 20.5	Spuren Sprengung 10.3t	50.90°N; 15.07°E (0)
28. s	eP	10 56 17	Türkei	40.0N; 39.3E h= 0km H=10:51:24.8(I)
28. z	eP	11 03 43	Grenzgebiet	37.2N; 71.6E h= 75km H=10:55:49.5(U)
z	epP	04 08	Afghanistan - UdSSR	37.0N; 71.3E 105 10:55:51 (M)
z	e	04 21		
z,n	ePP	05 30		
28. z	1P	15 09 34.7K	S-lich von Hondo, Japan	30.0N;138.9E h=417km H=14:57:38.3(U)
				27.5N;139.9E 14:56:42 (M)
28. z,n,e	1P	15 27 18.2K	1.5/70	
z	e	27 36	Unterirdische Kernexplosion,	37°06'22.32"N;116°03'22.51"W
z	e	28 09	Nevada - Testort	h= 0km H=15:15:00.0(U)
28. z	ePg	15 32 53	400km	
z,n,e	eSg	33 36		
28. z	e	17 34 58		

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28. z	e	19 54 34	Mazedonien, Griechenland	40.6N; 22.6E			
	eIm	57 14		40.7N; 22.5E	h= 35km	H=19:51:08	(B)
	N,E	58		40.9N; 22.5E		19:51:09.1	(U)
						19:51:12	(M)
28. z	e	20 11 46	Albanien, N-Epirus	40.9N; 19.6E		H=20:05:53	(Q)
28. z	IP	21 46 33.7	Nabe der E-Küste von Hondo, Japan	39.2N; 142.2E	h= 98km	H=21:34:36.4	(U)
				38.7N; 142.4E		21:34:26	(M)

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1. z,n,e	IP	00 04 17.9K	1.7/72				
	ipP	05 02.5					
	isP	05 26.1	43°				
	ePP	05 57					
	e	07 05		Gebiet des Hindukusch		36.5N; 70.7E	h=200km H=23:56:36.6(U)
	e	12 25				36.1N; 70.8E	170-200 23:56:32 (M)
	e	13 51					
	e(SSSS)	15 09					
1. z	eP	03 13 17					
	e	13 31					
1. z	IPKP	05 53 28.6K	0.9/23	Gebiet der Fidschi-Inseln		17.98; 178.7W	h=550km H=05:34:51.2(I)
1. z	IPKP ₁	06 09 39.1D	0.8/66				
	IPKP ₂	09 44.0					
	epPKP	10 51		S-lich der Fidschi-Inseln		23.38; 177.7W	h=270km H=05:50:17.5(U)
1. z	IP	06 54 18.9		Spuren, Gebiet von Hokkaido, Japan		42.0N; 142.2E	h= 83km H=06:42:31.7(U)
						41.2N; 143.4E	06:42:19 (M)
1. z,n,e	e	07 42 18					
1. z	IP	09 37 14.4		NW-lich der Kurilen		52.8N; 152.4E	h=537km H=09:26:50.4(U)
						52.5N; 152.6E	520 09:26:48 (M)
1. z	IP	21 31 48.8	1.0/15				
2. z	ePKP ₁	09 28 06.	1.5/18				
	IPKP ₁	28 10.6					
	epPKP ₂	28 19		Tonga-Inseln		20.48; 173.5W	h N H=09:08:21.6(U)
2. z	e(P)	14 24 43		N-lich von Sewernaja Semlja		85.2N; 97.7E	h N H=14:17:14.3(U)
						84.6N; 101.8E	14:17:18 (M)
2. z,n,e	eP	14 30 49	1.2/24				
	ipP	30 57.0K					
	ePP	32 18		Polarbecken,		85.0N; 96° E	H=14:23:25 (B)
	e	39 45		N-lich von Sewernaja Semlja		85.0N; 98.2E	h N 14:23:26.6(U)
	eIm	50				84.9N; 96.9E	14:23:22 (M)
3. z,n,e	e	01 48 13					
3. z	ePKP	06 55 19		Spuren, Tonga-Inseln		16.78; 174.7W	h=166km H=06:36:01.9(I)
3. z,e	IP	09 54 11.8K		Leeward-Inseln		17.2N; 61.0W	h= 39km H=09:43:21.6(U)
3. z,n,e	IP	09 56 06.2D	1.3/79				
	ipP	56 47.8					
	e	57 11	43°				
	i	57 29.1					
	ePP	57 49		Gebiet des Hindukusch		36.4N; 70.9E	h=201km H=09:48:23.8(U)
	e	57 58				36.7N; 70.9E	200 09:48:25 (M)
	i	10 01 23.3					
	eSS	05 43					
3. z	IP	11 00 20.8	0.6/12				
3. z	e	12 19 20					
3. z	opP	19 35 21		Grenzgebiet Burma - Indien		24.1N; 93.5E	h= 42km H=19:24:23.1(U)
						23.8N; 93.7E	19:24:19 (M)
3. z	e(PKP)	23 24 15		Gebiet der Fidschi-Inseln		16.18; 178.2W	h=288km H=23:05:00.5(U)
3. z,n	e	23 36 04					
4. z	IPKP ₁	09 07 44.1	0.9/24				
	IPKP ₂	07 48.4		Gebiet der Fidschi-Inseln		20.08; 177.9W	h=456km H=08:48:52.1(U)



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4. z	IP	10 56 13.3D	Vor der E-Küste von Kamtschatka	52.4N; 160.5E h= 42km H=10:44:45.8(U) 2.2N; 160.4E 50 10:44:44 (M)
4. z	eP	11 06 03	Vor der E-Küste von Kamtschatka	52.4N; 160.3E h= 67km H=10:54:38.1(U)
4. z	e	11 35 55	Banda-See	5.08; 130.0E h= 29km H=11:17:48.3(U) 4.08; 129.9E 11:17:55 (M)
4. z	IP	13 04 34.5		
4. z	e(P)	17 08 53	Grenzgebiet	36.3N; 71.6E h= 90km H=17:00:50.9(U)
z	eFP	10 31	Afghanistan - UdSSR	36.1N; 71.5E 90 17:00:50 (M)
e	e	10 58		
4. z	e	19 13 46	Spuren	
4. z	ePKP	21 45 19	Gebiet der Samoa-Inseln	15.4S; 171.9W h= 0km H=21:25:41.5(U)
4. z	eP	23 02 19	Riu-kiu-Inseln	25.2N; 126.7E h= 60km H=22:49:51.9(U)
4. z	e	23 37 42		
z,e	e	37 59		
4. z,n,e	eSg	23 57 54	Jugoslawien	
5. z,V	e(P)	00 36 34	106°	
z,N,E	i	36 45.2D		
z	e	39 24	MPPV _k =6.8 MLH=6.6	
z,h	e	40 34		
N,E	e(FP)	40 52		
z,e,V	IFP	41 00.3	2.9/810	
z,n	e	41 16		
V	e	43 28		
N	e	43 52	Ceran-See	2.48; 126.1E h N H=00:22:19.7(U)
V	e	44 09		2.08; 126.1E h= 50km 00:22:24 (M)
e,N,E	e(SKS)	47 05		
N	e(S)	48 37		
z,e,V	ePS	50 10		
N	eFPS	50.9		
z,e,V	e	51 12		
V	e	51 35		
z	IFPKP	52 10.7		
z	e	52 44		
z	e	54 29		
N,E	e	54 57		
z	eSS	55.8		
N	eSSS	59 53		
N,E	eL	01 18		
N,E	eLm	27		
	eL	38	t19 an11.5 ae11 t20 an10.5 ae8	
5. z	ePP	01 36 40	2.5/91 Ceran-See	2.38; 126.2E h= 53km H=01:17:59.5(U) 2.28; 126.4E 01:17:57 (M)
5. z	IPKP	01 46 56.0	Tonga-Inseln	17.68; 174.6W h= 0km H=01:27:13.7(U)
5. z	eP	05 35 49	Transatlantische seismische Zone	36.1N; 10.5W H=05:30:45 (B) 36.0N; 10.6W h N 05:30:46.4(U)
5. z	eP	09 27 54	Gebiet von Taiwan	24.0N; 122.6E h= 56km H=09:15:32.3(U) 24.7N; 122.9E 09:15:32 (M)
5. z,n,e	IPKP	10 46 35.2D	1.5/55 Neue Hebriden	19.58; 168.9E h= 55km H=10:27:09.9(U) 19.68; 169.2E 10:27:07 (M)
5. z,n,e	e	13 16 27		
5. z,n,e	IP	13 59 59.1K	1.6/145	
z,V	i	14 00 05.3		
z	eFP	02 56	Venezuela	9.0N; 69.9W h= 51km H=13:48:00.7(U) 9.4N; 70.1W 13:48:01 (M)
z	e	03 24		
V	eLm	27		

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5. z	eP	15 28 04		
5. z	eP	15 30 13	Venezuela	9.2N; 69.9W h= 35km H=15:18:13.4(U)
5. z	epPKP	21 50 49	Gebiet der 3-Sandwich-Inseln	56.08; 27.2W h= 57km H=21:32:01.1(U) 56.58; 29.8W 21:31:55 (M)
6. z	eP	02 13 22	Venezuela	9.2N; 69.8W h= 44km H=02:01:21.6(U)
z	e	13 33		
6. z,n	ePg	02 31 50	Polen ?	(W)
z,n,e	eSg	32 14		
6. z	IPKP	06 06 29.3K	S-lich der Fidshi-Inseln	22.9S; 179.8E h= 33km H=05:46:48.6(I)
6. z	eP	14 18 02		
6. z,n,e	e	14 28 02		
6. z	eP	18 29 53	Vor der E-Küste von Kamtschatka	51.6N; 159.7E h N H=18:18:21.1(U) 51.6N; 159.6E 18:18:21 (M)
7. z,n,e	eSg	01 37 23	Norditalien	46.3N; 12.8E h= 0km H=01:34:42.6(I)
7. z,n,e,V	IPKP,	02 50 12.4	2.0/190	
z	ipPKP	50 31.1		
z	e	52 52	Tonga-Inseln	20.48; 174.0W h= 37km H=02:30:26.9(U) 19.18; 174.0W 02:30:33 (M)
7. z,n,e	eP	04 15 38	(10.5° MLH=4.7)	
N	e	17 53		
z,n,e,N,E	e	18 59	Gebiet von Vrancea, Rumänien	45.9N; 26.9E h N H=04:13:06 (B)
N,E	e	19 18		45.9N; 26.6E h= 21km 04:13:05.1(U)
z,n,e	e	19 45		45.8N; 26.1E 100 04:13:11 (M)
N,E,V	eLm	20.2	t9 an3 ae3.5 av3.5	
7. z,n,e	eP	07 12 18	1.6/350	
E,V	t7		ae1.6 av2.5	
z,n,e	i	12 45.8		
z	i	12 58.4	40° MLH=6.0	
e,N,E,V	ePP	13 48		
E	e	16.8		
e,N,E	eS	18 29	S-Iran	27.7N; 55.9E h N H=07:04:44 (B)
z	e	19 00		27.5N; 56.3E h= 27km 07:04:42.6(U)
e	e	19 31		27.2N; 56.3E 07:04:41 (M)
N,E	eL	28	t23 an17.5 ae12.5	
N,E	eLm	31	t20 an16.5 ae10.5	
N,E,V	eL	32	t14 av12	
7. z	ePKP	09 35 37	Tonga-Inseln	19.48; 175.8W h=241km H=09:16:21.3(U)
7. z,e	e	10 14 57		
7. z	eP	10 50 02	S-Iran	27.6N; 56.3E h N H=10:42:25.4(U)
7. z,n,e	IP	14 34 31.9K	1.7/73	27.3N; 56.2E H=14:26:54 (B)
z,e	i	36 15.0	S-Iran	27.5N; 56.2E h= 28km 14:26:56.5(U) 27.3N; 56.3E 25 14:26:54 (M)
7. z,n,e	IP	15 12 18.2K	1.3/51	
			Unterirdische Kernexplosion, Nevada - Testort	37°08'02.44"N; 116°05'03.28"W h= 0km H=15:00:00.0(U)
7. z	i(P)	15 44 21.6D	S-Iran	30°2N; 54.0E H=15:37:09 (B) 27.6N; 56.3E h= 27km 15:36:40.2(U) 27.7N; 56.2E 15:36:42 (M)
7. z	eP	17 47 13	Provinz Szechuan, China	28.3N; 104.1E h N H=17:36:08.2(U)
z	e	47 23		28.1N; 104.2E 17:36:07 (M)
z	e	47 36		
7. z	e	23 57 35		

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8. z,n,e	e	05 04 39
8. z n	eP i	05 28 41 28 47.2 1.6/24 Queen-Elizabeth-Inseln
8. z,n,e	iP e e	08 45 35.8D 1.8/71 49 13 Transatlantische 50 07 seismische Zone
8. z	iP	14 56 47.7K 0.9/15
8. z	e	15 39 31 Spuren
8. z	e	16 41 28 Spuren, Gebiet von Vrancea, Rumänien
8. z,n,e	e	18 25 17
8. z e s	eP e e	23 04 55 05 12 07 44
9. z z,e	iPKP e	00 37 04.3 1.7/27 37 17 1.2/34 Tonga-Inseln
9. z s	eP e(PF)	06 47 19 S-Iran 49 02
9. z,n,e	eSg	07 49 40 Bergschlag Oberschlesien, Polen
9. z	eP	13 46 25 Gebiet von Hokkaido, Japan
9. z s	iP ePPP	14 13 34.0 N-liehe Provinz Sinkiang, 16 13 China
9. z s s	iPKP, ePKP i	16 04 32.8K 0.9/28 04 45 04 53.4 S-liehe der Fidschi-Inseln
9. z,n n,e	e e	16 20 54 21 54
9. z	i	16 58 18.6 Spuren
10. z	eP	03 16 02 Grenzgebiet Kaschmir - Tibet
10. z	eP	07 07 50 Gebiet von Taiwan
10. z	iP	08 06 02.9K 1.2/20
10. N,E	eL	21 59 Mindanao, Philippinen
11. z s	e e	02 32 30 33 29
11. z z,n,e	iPg iSg	03 43 53.2 Böhmen, CSSR 44 19.1
11. z	eP	04 41 31 N-atlantischer Rücken
11. z	i	05 13 18.0

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11. z z	iP ePn	05 50 37.8K 52 07 Unterirdische Kernexplosion, Gebiet von Semipalatinsk, Kasachische SSR	50.0N; 78.5E 49.8N; 78.3E h= Okm	H=05:20:40.9(U) 05:20:44 (U)
11. z,n	e	08 34 55		
11. z,e z	iP eFP	09 09 30.6K 1.5/54 12 32 Hondo, Japan	36.5N; 139.6E h=136km 37.0N; 139.4E 160	H=08:57:30.6(U) 08:57:36 (M)
11. z z,n,e	e e	15 37 36 38 08		
11. z,n,e	e	18 02 30		
11. z,n,e	e	21 18 29 Bergschlag Unterbreizbach		(J)
11. z N,E,V	eP eIm	23 47 13 1.9/66 57 N-liehe von Island	66.3N; 18 3/4W 66.1N; 18.6W h N 66.2N; 18.2W	H=23:42:21 (B) 23:42:24.4(U) 23:42:22 (M)
12. z	iPKP ₁	10 39 47.8 S-liehe der Fidschi-Inseln	22.68; 176.4W h=191km	H=10:20:16.3(U)
12. z,e	eP	10 55 21 Andreanow-Inseln, Aleuten	51.5N; 177.8W h= 54km 51.6N; 177.5W	H=10:43:33.1(U) 10:43:30 (M)
12. z z,n,e	eP e	13 20 43 Nahe der E-Küste von 21 32 Hondo, Japan	36.2N; 141.1E h= 40km 36.0N; 141.5E	H=13:08:28.2(U) 13:08:25 (M)
12. z,n,e z,n,e n	eSg eSg i	17 30 10 Jugoslawien 30 45 30 53.5	45.6N; 16.0E h= 26km	H=17:27:32.4(U)
13. z,n,e	e	05 39 17 Bergschlag Oberschlesien, Polen		(P)
13. z	e	08 22 50		
13. z	i	08 23 32.6 1.7/48 Gebiet der Andamanen	11.1N; 95.1E h N 11.3N; 94.8E	H=08:11:37.7(U) 08:11:41 (M)
13. z	e	10 17 59		
13. z,n,e z,n,e n,e	iPg iSg i	11 00 26.1 130km Sprengung 13.7t 00 41.8 00 43.5	50.12°N; 12.99°E	(O)
13. z,n,e z,n,e	iPg eSg	15 00 23.0 120km Spuren Sprengung 4.2t 00 38	50.29°N; 12.59°E	(O)
13. z,e E z,n,e,E,V z,n,e,N,E z,V N,E z z z,N,E,V E z z N,E,V N,E,V	eP e eFP e e(FKS) eSgS i e(SKS) ePS i(FPS) ePKP e eIm eL F	15 41 14 1.7/30 41 36 45 45 109.5° MXH=7.0 46 01 48 46 Nahe der Küste von 51 50 Mittelohile 52 13.0 52 23 55 13 56 00 56 34 59 48 16 26 t23 an20 ae37 av41 31 t20 an16.5 ae27 av30 18 30	29.98; 71.3W h= 4km 26.58; 71.6W	H=15:26:42.5(U) 15:26:47 (M)
13. z	e	16 04 45		
13. z,n,e	iP	16 30 53.1K 1.1/45 Gebiet der Kurilen	45.5N; 153.8E h N 46.1N; 153.6E	H=16:18:57.8(U) 16:19:01 (M)
13. z	e	16 35 26		

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13. z	e	17 06 52							
13. z	eP	17 39 22	Kaspisches Meer	37.3N; 50.7E				H=17:33:11 (M)	
13. z,n,e,N,E,V	iPKP	19 04 59.4K	1.2/1550	1.2/1000	1.2/790				
	ipPKP	05 28							
	isPKP	05 40	146°	h=110km	MPPV _k =6.8				
	iPP	08 32.1	2.2/1400						
	(oder SKP ?)	08 54.7							
	i	15 05	MIH=7.1	(nicht tiefenkorrigiert)					
	iSKKS	15 29.4							
	i	15 39							
	eSKKS	16 28.0	2.9/530	2.6/750					
	iPKPKP	17 36							
	ePKKS	18 27	Gebiet der Loyalty-Inseln	21.88;170.5E	h= 85km	H=18:45:29.5(U)			
	eSKSP	20 08		21.48;170.6E	65	18:45:29 (M)			
	ePFS	20 09							
	eSS	27.3							
	eIm	59	t28 an39.5 ae38.5						
	eL	20 08	t23 an26 ae12.5 av23						
	F	22							
13. z	e	19 49 27	Spuren						
13. z	e	19 50 22	Spuren						
13. z,n,e	e	20 42 59							
13. z,n,e	e	22 02 58							
13. z	eP	23 52 37	Karibisches Meer	16.3N; 87.0W	h N	H=23:40:10.9(U)			
bis z,e	epP	52 46		15.1N; 87.2W		23:40:06 (M)			
14. N,E	eL	00 26							
14. z	iPKP	00 21 31.4D	1.2/59						
z	epPKP	21 53	Gebiet der Loyalty-Inseln	21.78;170.7E	h= 64km	H=00:01:58.7(U)			
14. z	i	02 05 58.0	1.5/34						
z,N,V	i	06 03.0	2.2/220						
z	i	06 12.8							
n	iPP	06 22.0	22°	MIH=4.5					
z,N,E	eS	10 03	N-atlantischer Rücken, E-lich von Jan Mayen	71.7N; 3.6W	h N	H=02:01:07 (B)			
				71.6N; 4.1W		02:01:08.6(U)			
				71.6N; 4.5W		02:01:03 (M)			
	eL	13	t20 an1.5 ae1 av2						
N,E,V	eIm	15	t14 an1.5 ae0.5 av1.5						
14. z,n,e	iP	05 27 04.6K	0.9/52						
N,E	eIm	06 05	Kurilen	46.3N;153.1E	h= 33km	H=05:15:15.2(U)			
				46.7N;152.8E		05:15:18 (M)			
14. z,n,e	iP	06 17 02.2D	2.0/90						
z	e	17 38							
z,n,e	ipP	17 41.7	87°						
z	i(nP)	17 47.9							
z	e	21 16	Ohiapas, Mexiko						
	e	21 58		16.6N; 93.4W	h=155km	H=06:04:31.3(U)			
n,e,N,E	eSKS	27 12		16.9N; 93.4W		06:04:19 (M)			
E	eS	28 36							
14. z,n,e	eSg	08 55 35	Sprengung, Erzberg, Steiermark						
14. z,n	iP	13 35 42.2D	Kurilen	46.5N;153.2E	h N	H=13:23:53.2(U)			
				46.6N;153.4E		13:23:52 (M)			
14. z	eP	14 08 25	S-lich von Hondo, Japan	35.3N;136.8E	h= 57km	H=13:56:16.5(U)			
z,e	ipP	08 37.4		35.6N;136.9E		13:56:15 (M)			
N,E	eIm	49							
14. z,n,e	iP	16 17 17.4K	1.0/145						
z	ipP	17 26.9							
z	epP	17 32	Kurilen	44.3N;148.5E	h N	H=16:05:25.3(U)			
14. z	eP	16 35 16		44.2N;148.9E		16:05:23 (M)			

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14. z	eP	18 58 46	Provinz Tsinghai, China	34.0N; 95.5E	h N	H=18:48:42.9(U)			
				33.8N; 95.6E		18:48:39 (M)			
14. z	e(PKP)	19 51 17	Flores-See	7.78;122.4E	h=279km	H=19:33:22.7(U)			
				7.58;122.4E	250	19:33:21 (M)			
14. z	ePP	20 18 17	2.0/45						
N,E,V	eIm	59	Gebiet von W-Neuguinea	2.18;134.2E	h= 35km	H=19:59:03.1(U)			
				1.98;134.5E		19:59:04 (M)			
14. z	iP	22 55 48.3K	0.9/17						
			Kurilen	45.2N;147.2E	h=139km	H=22:44:15.4(U)			
14. z	e	23 43 48	Spuren						
15. z	e	00 00 10							
15. z	e	03 01 26							
15. z	e	03 31 09							
15. z	e	03 34 17	Salomonen	9.88;159.5E	h= 30km	H=03:14:36.6(U)			
z	ePP	36 08		9.68;159.7E		03:14:38 (M)			
15. z,n,e	iP	10 11 48.3D	1.3/48						
			Nahe der E-Küste von	53.0N;160.0E	h N	H=10:00:23.6(U)			
			Kamtschatka	52.9N;160.3E		10:00:23 (M)			
15. z	e(P)	16 22 58	N-Celebes	0.9N;122.5E	h= 38km	H=16:04:49.4(U)			
				1.0N;122.7E		16:04:49 (M)			
15. z	eP	22 56 46	1.3/17						
16. z	eP	05 37 42	Provinz Szetschuan, China	29.3N;101.8E	h N	H=05:26:50.4(U)			
				29.0N;102.2E		05:26:48 (M)			
16. z,n,e	e	06 39 30	Bergschlag Oberschlesien, Polen						(P)
16. z	eP	07 49 31	N-atlantischer Ozean	56.8N; 33.9W	h= 33km	H=07:43:45 (I)			
16. z,n,e	e	07 56 51							
16. z	iPKP ₁	08 23 25.8K	S-lich der Fidji-Inseln	22.38;179.8W	h=669km	H=08:04:47.6(U)			
16. z	e(P)	08 40 45	Ägäisches Meer	40.4N; 26.2E		H=08:37:18 (B)			
	eSS	43 43		40.4N; 26.1E	h= 5km	08:37:16.5(U)			
	eL	45.4		41.6N; 25.7E		08:37:34 (M)			
	e	45 40							
16. z,e	eP	10 31 31	W-Pakistan	29.6N; 68.5E	h= 35km	H=10:23:08.7(U)			
				29.8N; 68.7E		10:23:08 (M)			
16. z	e	15 19 14							
16. z,n,e	iP	23 52 32.6K	1.1/46						
z	ipP	52 43.6		43.4N;146.5E	h= 46km	H=23:40:41.0(U)			
z,n	isP	52 47.6	Kurilen	43.0N;146.6E		23:40:37 (M)			
17. z	iP	01 42 40.7K	0.9/15						
			Kurilen	43.2N;146.7E	h=101km	H=01:30:54.2(U)			
17. z	eP	02 10 01	14°	MIH=4.5					
	e	10 37							
	e	12 13	Ägäisches Meer	40.4N; 26.2E		H=02:06:41 (B)			
	eS	12 42		40.4N; 26.0E	h= 2km	02:06:38.1(U)			
	e	13 07		40.9N; 26.1E		02:06:46 (M)			
	e	14 03							
	eIm	14 39	t14 an1.5 ae2.5						
	eL	15 01							
	eL	16.2							

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Table of seismic events for March 1975, page 36. Includes columns for date, time, location (e.g., Ägäisches Meer, Andreesow-Inseln, Aleuten), magnitude (MIH), and coordinates. Events range from 02:35:00 to 24:00:00.

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Table of seismic events for March 1975, page 37. Includes columns for date, time, location (e.g., Tonga-Inseln, Gebiet der Dominikanischen Republik, W-Neuguinea), magnitude (MIH), and coordinates. Events range from 00:31 to 22:00:00.

März 1975		540km Frioul, Italien		46/2N; 12 3/4E 46.5N; 12.8E h= 3km H=13:28:52 13:28:49.6 (U)	
19. z,e	ePn	13 30 05			
	ePg	30 28			
	e	30 48			
	n,e	31 15			
	eSb	31 24			
	e	31 28			
	eSg				
19. s	ePKP	14 01 53	Gebiet der Samoa-Inseln	15.8S; 172.0W h N	H=13:42:21.0 (U)
19. s	e(P)	22 27 15	Sinkiang, China	43.2N; 82.4E h= 25km	H=22:18:50 (M)
				43.2N; 82.4E h= 18	22:18:51 (I)
20. s	e(PP)	02 55 21	Talau-Inseln	4.1N; 126.4E h= 86km	H=02:37:53.6 (U)
				4.3N; 126.5E h= 55	02:37:51 (M)
20. z,e	eP	03 35 33	1.5/28	50.4N; 176.0W h= 27km	H=03:23:33.5 (U)
	e	35 45	Andreanow-Inseln, Aleuten	50.5N; 176.0W	03:23:35 (M)
20. s	eP	03 39 21	Andreanow-Inseln, Aleuten	50.2N; 176.3W h N	H=03:27:21.6 (U)
20. z,n,e	eP	06 54 30	Ionisches Meer,	37.1N; 21.3E	H=06:50:54 (U)
	eL	59	W-lich des Peloponnes	37.3N; 21.4E h= 65km	06:50:59.2 (U)
20. s	eP	07 23 25	1.2/24	51.3N; 179.6W h= 53km	H=07:11:35.7 (U)
	e	24 17	Andreanow-Inseln, Aleuten	51.4N; 179.5W	07:11:34 (M)
20. z,n,e	IP	07 42 27.1K	1.5/89	51.3N; 179.6W h= 57km	H=07:30:38.8 (U)
	e	42 58	Andreanow-Inseln, Aleuten	51.5N; 179.6W	07:30:37 (M)
	eL	08 17			
20. s	ePKP ₁	08 04 27	Tonga-Inseln	21.2S; 174.7W h= 0km	H=07:44:33.7 (U)
20. s	eP	10 25 29	1.8/39	0.2N; 67.1E h N	H=10:14:30.6 (U)
			Carlsberg-Rücken		
20. z,n,e	IPg	11 08 23.8	Sprengung		
	ISg	08 26.3			
	IL	08 27.3			
20. z,n,e	IPg	11 09 02.9	110km Sprengung 34t	50.59°N; 14.05°E	(U)
	eSg	09 17			
	eL	09 25			
20. z,n,e	e	13 15 22			
21. s	eP	00 40 44	Spuren, Carlsberg-Rücken	2.3S; 68.1E h N	H=00:29:28.8 (U)
				3.2S; 68.3E	00:29:23 (M)
21. z,n,e	e	01 38 08			
21. s	e	03 19 54			
21. z,n,e	IPKP	04 42 41.9	Neue Hebriden	20.2S; 169.5E h= 107km	H=04:23:21.2 (U)
	IPKP	43 10.4			
	eSKP	46 12			
21. z,n,e	e	12 25 15			
21. z	IPg	13 01 15.0	Sprengung 12t	51°15.2'N; 12°39.6'E	(U)
	ISg	01 18.1			
	IL	01 20.4			
22. e	1(Pg)	03 28 26.4	Bergschlag Oberschlesien, Polen		(P)
	e	29 02			
	eSg	29 06.8			
	e	29 17			
22. z,n,e	e	12 19 06			
22. z,e	IP	14 06 46.1	1.2/36	45.6N; 150.9E h N	H=13:54:56.4 (U)
			Kurilen	45.8N; 151.1E	13:54:57 (M)

März 1975		W-Pakistan		29.7N; 69.7E h= 42km		H=15:32:08 (B)	
22. z,e	eP	15 40 38					
	e	42 05					
	e(PP)	42 34					
	e(SS)	51 08					
	eIm	16 02					
22. z,n,e	eP	19 05 44	1.4/39	54.5N; 161.6E h N	H=18:54:26.7 (U)		
	epP	05 57	Nahe der E-Küste von Kamschatka	54.4N; 161.7E h= 60km	18:54:29 (M)		
22. z	e	23 17 28					
23. z	eSn	01 00 22	Bergschlag Oberschlesien, Polen				(P)
	eSg	00 50					
23. z,n	e	01 44 52					
23. z	e	07 44 13					
23. z,n,e,V	IP1	07 45 06.7K	1.2/105				
	IP2	45 10	1.5/530				
	i	45 18.1	84° MSH=6.6 MLH=7.3				
	i	45 24	t18 an6.8 ae5.1				
	eSKB	55 32					
	e	57 57					
	ePKKP	08 03 26	Gebiet von Taiwan	22.7N; 122.8E h= 21km	H=07:32:36.5 (U)		
	e	06.0		23.2N; 122.8E	07:32:40 (M)		
	eSSSS	07.6					
	ePKPPKP	11 24					
	eL	18	t22 an(83.5) ae52.5				
	eL	23	t14 an53 ae(37.5)				
	eL	26	t20 an(69.5) ae84 av61.5				
	eL	29	t16 an28 ae43 av55				
	F	10					
23. z	e	14 30 02	Gebiet von Taiwan	22.6N; 122.7E h N	H=14:17:23.5 (U)		
				23.2N; 122.8E	14:17:26 (M)		
23. z,n,e	IP	19 59 54.7K,S,W	0.9/160	46.7N; 152.5E h N	H=19:48:07.8 (U)		
			Kurilen	47.0N; 152.3E h= 70km	19:48:13 (M)		
23. z	eP	21 45 01	Carlsberg-Rücken	3.4N; 63.5E	H=21:34:29 (M)		
				3.9N; 63.5E h= 33km	21:34:34 (I)		
24. z,n,e	IPn	02 34 33.3	560km MLH=4.1				
	1(Pg)	34 56					
	1(Sn)	35 26.3	Frioul, Italien	46.3N; 13.1E	H=02:33:19 (B)		
	1(Sb)	35 55		46.3N; 13.1E h= 21km	02:33:18.5 (U)		
	e(Sg)	36 05					
	eIm	36 26	t8 an3.5 ae1 aw3.5				
24. z	eSg	03 16 10	Nachbeben, Frioul, Italien				(W)
24. z	e(P)	04 52 58	Gebiet von Jan Mayen	71.8N; 3.1W h= 0km	H=04:47:59 (I)		
24. z	eP	05 42 12	W-Pakistan	29.1N; 69.0E	H=05:33:41 (B)		
	e	44 16		29.6N; 68.6E h= 26km	05:33:46.6 (U)		
	e	48 15		29.8N; 68.7E	05:33:49 (M)		
	e(SS)	52 48					
	eL	06 02	t18 an3.5 ae0.5				
	eL	03	t16 an2.5 ae2.5				
	eIm	06	t13 an2.5 ae2 av1				
24. z	eP	07 12 39	Nahe der Küste von Guatemala	13.6N; 90.8W h= 59km	H=06:59:56.5 (U)		
				14.8N; 90.4W	06:59:58 (M)		
24. z,n,e	e	09 21 47					
24. z	ePKIKP	15 44 03	148.5° Mo=5.2				
	IPKP ₁	44 08.8D	1.3/150				
	IPKP ₂	44 14.6	1.3/75				
	epPKP	46 35	Gebiet der Fidji-Inseln	21.2S; 179.0W h= 652km	H=15:25:32.4 (U)		
				22.5S; 177.6W	15:24:20 (M)		

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24. z	i(FKP)	17 59 46.0	Gebiet der Fidschi-Inseln	19.4S; 178.1W h= 33km H=17:40:11 (I)
24. z	i(FKP)	21 49 58.1K	1.2/25 Gebiet der Fidschi-Inseln	17.5S; 177.1W h=276km H=21:30:56 (I) 20.5S; 173.7W h= 0km H=00:17:02.6(I)
25. z	ePKP ₁	00 36 53	Tonga-Inseln	
25. z	e(P)	02 44 13	Nahe der Küste von Guatemala	13.6N; 90.7W h N H=02:31:22.2(U)
25. z,n,e N,E,V	eP eIm	02 57 11 03 25	1.3/26 Mittelmeer, SW-lich von Kreta	34.5N; 23.5E 34.6N; 23.7E h N H=02:52:56 (B) 02:52:57.2(U)
25. z	e	03 43 49	Spuren, Kreta	35.1N; 23.5E h= 0km H=03:39:32 (I)
25. z	iP	06 55 22.6D	1.8/46	
z	ePP	59 34		
n,e,E	eSKS	07 05 48	105°	
E	eSKKS	06 34		
E	eS	07 07	Provincia Catamarca, Argentinien	28.0S; 66.7W h=178km H=06:41:33.0(U) 28.6S; 67.6W 150 06:41:28 (M)
z,N,E,V	eSP	08 40		
z	iPKKP	11 02.3		
z	iPKKP	11 20.4		
z	e	14 19		
E	eSS	14.6		
N,E,V	eIm	41		
25. z	i(Pg)	09 28 27.1		
z,n,e	eSg	28 49		
25. z	iP	10 23 04.1	Riu-kiu-Inseln	26.7N; 129.4E h= 52km H=10:10:35.0(U)
25. z	iPKP ₁ epPKP	13 56 58.0 57 10	1.3/22 Gebiet der Tonga-Inseln	23.7S; 175.2W h N H=13:37:05.5(U)
25. z	e	15 45 31		
25. z	i(Pg)	15 50 13.8		
z,n,e	eSg	50 41		
n	eL	50 45		
25. z	iPKP ₁	16 56 41.4K	1.2/41 Gebiet der Fidschi-Inseln	17.7S; 179.0W h=688km H=16:38:15.0(U)
25. z	ePKP	21 25 00	Neue Hebriden	16.5S; 167.5E h= 14km H=21:05:28.9(U)
25. z,n	e	22 03 11		
26. z	eP	03 50 42	1.6/27	
E	eL	04 14.9		
N,E,V	eIm	17	Gebiet des Tanganjika-Sees	5.4S; 30.2E h N H=03:40:48.3(U) 5.3S; 30.0E 03:40:49 (M)
26. z	e	04 53 46		
26. z	eP	13 27 26	Gebiet von Taiwan	22.7N; 122.8E h N H=13:14:55.6(U) 23.1N; 122.9E 13:15:00 (M)
26. z,n,e	e	14 47 46		
26. z	iPg eSg	15 45 53.1 46 20	Spuren Sprengung	
26. z,n,e	e	15 52 29		
26. z	eP	16 28 38	Arabisches Meer	19.8N; 68.4E h N H=16:19:19.7(U) 19.6N; 68.5E 16:19:15 (M)
z,n,e	e	28 46		
26. z	eP	16 44 24	Nahe der E-Küste von Hondo, Japan	37.1N; 141.7E h= 52km H=16:32:14.4(U) 36.9N; 141.9E 16:32:10 (M)
z	e	44 42		

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26. z,n,e	iP	18 14 18.7D	1.2/67 Nahe der E-Küste von Kamtschatka	53.1N; 159.8E h N H=18:02:54.6(U) 52.9N; 160.0E h= 65km 18:02:56 (M)
26. z	eP	18 34 23	Gebiet von Taiwan	22.7N; 122.7E h= 33km H=18:21:54.1(U) 23.3N; 122.8E 18:21:57 (M)
z	e	34 39		
26. z,n,e	e	23 21 28		
26. z	eP	23 33 07	Celebes-See	3.6N; 121.9E h N H=23:19:28.7(U) 3.6N; 121.9E 23:19:30 (M)
z	e	33 17		
z	ePP	37 08		
z	e	40 28		
27. z,n,e	e	03 21 57		
27. z,n,e	e	05 05 36		
27. z,n,e,N,E,V	eP	05 18 29	1.8/200	
z,n,e,N,E,V	iPP	18 39	D t7 an2.5 ae2.4 av3.7	
z,e	i	18 49		
z,n,V	i	18 52.9	1.6/590	
N,E,V	e	19 06	14° MLH=6.5	40.4N; 26.1E H=05:15:09 (B)
N,E,V	e	20 37		40.4N; 26.1E h= 5km 05:15:06.2(U)
N,V	eSS	21 17	Ägäisches Meer	40.0N; 25.3E 05:15:04 (M)
N,E	eL	21.8		
N,E,V	eIm	23	t18 an275 ae>160 av79	
N,E,V	eIm	24.6	t11 an>145 ae(140) av125	
N,E,V	F	07 30		
27. z,n,e	e(P)	06 19 15	1.4/23	
E,e	e	19 21	1.7/55	
z	e	19 38		40.3N; 26.3E H=06:15:45 (B)
z	e	21 25		40.4N; 26.2E h N 06:15:46.3(U)
z,n,e,N,E,V	eIm	24.5	Ägäisches Meer	41.1N; 26.4E 06:15:51 (M)
27. z	iPKP	14 50 14.7D	0.8/28	
z	i	50 22.3		
27. z,e	eP	15 43 13	0.9/15	
z,e	e	43 41		
27. z	eP	18 11 33	Gebiet von Taiwan	22.6N; 122.8E h N H=17:59:04.1(U) 23.1N; 122.8E 17:59:07 (M)
z	e	11 49		
N,E,V	eIm	52		
27. z	eP	19 30 59	Spuren	
27. z,n	eP	19 46 07	Ägäisches Meer	40.4N; 26.2E H=19:42:44 (B) 40.4N; 26.0E h= 5km 19:42:42.0(U) 41.5N; 26.4E 19:42:52 (M)
z	e	49 22		
n	e	50 21		
e	e	50 35		
z	e	50 51		
n	e	51 03		
N,E,V	eIm	52		
28. z,n,e	e	00 55 22		
28. z,n,e,N,E,V	iP1	02 42 54.0D		
z,n,e	iP2	42 57.1	2.2/420 2.1/115 2.2/230	
e	e	48 40		
z	e	49 29	76° MLH=5.9	
z	e	50 05		42.061°N; 112.548°W
E,V	eS	52 36	E-Idaho	h= 5km H=02:31:05.7(U)
N	eP8	53 09		41.0N; 112.7W 02:31:00 (M)
N,E	eIm	03 12	t20 an6 ae3.5	
V	eIm	18	t14.5 av4.5	
28. z	e	06 11 32		
28. z,n,e	e	07 37 41		

März 1975							
28. z	eP	07 48 21	Mongolei	46.5N; 91.8E 46.5N; 91.2E	h N	H=07:39:31.2 07:39:33	
28. z	IPKP	08 25 38.5	Banda-See	7.6S; 128.4E 7.9S; 128.7E	h N	H=08:07:05.7 08:07:04	
28. z,n,e	e	08 43 47					
28. z,n,e	IPg i 1Sg n,e z,n,e,N,E,V eL	09 59 05.0 59 06.8 59 17.5 59 28	105km Nordböhmen, CSSR				
28. z	e	10 26 27					
28. z,n,e	eSg	12 12 32	Mähren, CSSR				
28. z	e	12 14 20					
28. z	eP	13 15 30					
28. z	eP	13 17 23					
28. z	eP	17 18 38					
28. z	IPKP e	19 51 43 51 56	Salomonen	7.0S; 155.6E 6.7S; 155.4E	h= 81km	H=19:32:48.1 19:32:44	
28. z	eP e	23 18 36 19 21					
29. z,n,e,N,E,V	eP e i(P) e eS e(SS) eLm	09 45 03 45 25 47 02.1 51 53 52 06 56.1 10 08	1.9/190 48.5° MLH=5.5 E-lischer Golf von Aden t17 an3 ae2 av2.5	13.3N; 50.7E 13.1N; 50.7E	h N	H=09:36:21.0 09:36:21	
29. z	IPKIKP ePKP1 ePKP2	15 22 26.9D 22 37 22 54	1.5/31 S-pazifischer Ozean				
29. z	e	15 30 07		37.8S; 138.9W	h= Okm	H=15:02:29.6	
29. z	e(P)	15 42 23	Kerinth, NE-lischer Peloponnes	38.1N; 22.7E 38.2N; 22.8E 36.8N; 22.0E	h N	H=15:38:48 15:38:49.1 15:38:36	
29. z,n,e	IP i ipP e i ePP e	20 09 09.1K 09 18.0 09 30.3 09 42 09 56.7 12 14 12 33	1.1/105 Nahe der E-Küste von Hondo, Japan	36.2N; 140.0E 36.5N; 139.9E	h= 84km 50	H=19:57:00.9 19:56:59	
29. z	IPKP1 IPKP2	20 15 32.9D 15 42.0	1.0/28 S-llich der Fidschi-Inseln	23.3S; 179.8W	h=502km	H=19:56:40.1	
30. z	epP	10 57 25	N-Sumatra	2.7N; 99.1E 1.9N; 99.2E	h=171km	H=10:44:26.2 10:44:06	
30. z	e	12 16 38					
30. z	e e e eL	13 10 47 11 29 12 22 12.8	Agäisches Meer	40.5N; 26.3E 41.2N; 26.5E		H=13:03:20 13:03:29	
30. z	oP	22 22 50					

März 1975							
30. z	e(P) e e e e(N) ePS eSS eSSS eL eLm eL	22 46 21 49 10 50 06 50 28 58 24 59 45 23 05.4 09.4 32 36 39	105° MLH=6.3 Gebiet der Insel Bouvet	54.2S; 8.7E	h= Okm	H=22:32:01.8(I)	
30. z,n,e	IPKP1	22 54 24.1K	1.2/69 Gebiet der Loyalty-Inseln	22.2S; 171.3E	h=129km	H=22:34:57.6(I)	
31. z,n,e	IP epP	01 49 51.4K 50 30	1.1/33 E-chinesisches Meer	27.0N; 126.4E 26.9N; 126.6E	h=126km	H=01:37:41.0(U) 01:37:29 (M)	
31. z	e	02 21 54					
31. z,n,e	IP e epPP eL eLm	03 04 26.9D 07 01 08 07 40 46	1.1/83 Gebiet von Taiwan	22.8N; 122.9E 23.1N; 122.9E	h= 32km	H=02:51:58.4(U) 02:52:00 (M)	
31. z,n,e	IP	06 00 09.0K	1.2/22 Gebiet der Insel Vancouver	49.4N; 125.6W 50.7N; 125.4W	h= 33km	H=05:48:37.8(U) 05:48:45 (M)	
31. z,e	IP ePP e e	08 31 14.0 31 22 31 44 35 11	Rumänien, Gebiet von Vrancea	45.6N; 26.5E 45.6N; 26.4E 45.6N; 26.4E	h=135km 140 130	H=08:28:47 (B) 08:28:46.2(U) 08:28:46 (M)	
31. z,n,e	IP ePP eS e e eL eLm	10 14 13.1K 16 10 21 21 28 50 31.9 35 41	1.0/43 49.5° MLH=5.7 Mongolei t14 an2.5 ae2.5 av2.5 t10 an3 ae2.5 av3.5	46.7N; 91.3E 46.9N; 91.2E	h N	H=10:05:25.9(U) 10:05:22 (M)	
31. z,n,e	ePKP1 epPKP e	11 02 10 02 23 07 26	1.4/39 Gebiet der Tonga-Inseln	23.1S; 175.1W	h= 46km	H=10:42:20.4(U)	
31. z,e	e	12 32 34					
31. z,n,e	e	17 06 08					
31. z,n,e	IP	19 16 31.9D	1.4/44 Kurilen	44.7N; 149.8E 44.9N; 150.0E	h N	H=19:04:39.1(U) 19:04:39 (M)	
31. z	ePKP	20 47 12	Gebiet von Neu-Irland	4.9S; 153.1E	h= 58km	H=20:28:19.9(U)	

Dr. B. Tittel, Assistent
H. Merkel

Geophysikalische Meßreihen

2 1975

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

S E I S M I C

R E C O R D S

S E I S M I S C H E

R E G I S T R I E R U N G E N

II. quarter 1975

II. Quartal 1975

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:

$$\varphi = 51^{\circ}18.6'N;$$

$$\lambda = 13^{\circ}00.2'E; \quad h=230m$$

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 non-inductive 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 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 rock bursts 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
WH = WIECHERT NS
WE = WIECHERT EW
N = HSJ-I NS
E = HSJ-I EW
V = VSJ-I

- 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 Observatoriumhauptgebäudes 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 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

- 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 the recommendations of Zurich 1967 (index k: shortper.; index l: longper.) respectively after station-specific equations (M_0 from shortperiodic longitudinal core waves; M_{ag}); then the dates of the seismic central offices or other stations with the following abbreviations:

U: USNEIS
M: Moskau/ANSSSR
B: BCIS
G: Griechenland
I: ISC

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

t		an	ae	av	
average period [sec]		amplitude from N,E,V [μ];			
in the sequence z,n,e					
T	/	A			
period [sec]		amplitude [$m\mu$].			

1.1 Falling out of the records

April:

Z,WN,WE 28. 06.34 - 08.31

Mai:

n,e 25. 22.29 - 18.40 am 26.

Juni:

Z 05. 12.00 - 12.01 am 06.

z,n,e,V 09. 20.57 - 21.28

N,E 30. 05.50 - 24.00

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 stations-spezifischen Gleichungen (M_0 aus kurzperiodischen longitudinalen Kernwellen; M_{ag}); dann Daten der Seismischen Zentralen oder anderer Stationen mit folgenden Abkürzungen:

J: Jena
P: Polen
C: Pruhonice
S: Uppsala
W: Wien

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

t		an	ae	av	
mittlere Periode [sec]		Amplitude von N,E,V [μ]			
in der Reihenfolge z,n,e					
T	/	A			
Periode [sec]		Amplitude [$m\mu$].			

1.1 Ausfall der Registrierungen

Z,WN,WE 26. 06.21 - 06.53

Z 07. 12.01 - 12.10 am 08.

Z 10. 20.58 - 08.11 am 11.

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			(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	10.3	0.33			0.041	255		15
WE	10.3	0.35			0.048	260		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

2. Auswertung

2. Evaluation

April 1975

1. z,n,e	e	01 17 29				
1. z,n,e	1PKP z e	02 05 20.8 05 31.2 05 38	1.1/22 Gebiet der Loyalty-Inseln	22.48;169.8E	h= 33km	H=01:45:46 (I)
1. z,n,e	1FKP z opFKP	03 13 57.0D 16 08	0.8/30 S-lich der Fidschi-Inseln	24.8S;178.5E	h=584km	H=02:55:08.2(U)
1. z,n,e	e	07 30 54				
1. z,n,e	e	11 26 00				
1. z,n,e	e	11 51 45				
1. z	1P	16 43 06.6	Kurilen	44.8N;149.6E 44.8N;149.9E	h N	H=16:31:14.3(U) 16:31:14 (M)
1. z,e	e	17 08 15				
1. z	eP	18 59 40	Nahe Inseln, Aleuten	52.2N;172.2E		H=18:47:59 (M)
1. z,n	e	19 06 15				
1. z,n,e	1P z e	19 33 08.2K 33 16 33 24	1.2/67 Kurilen	48.2N;154.8E 48.5N;154.6E	h= 35km 50	H=19:21:25.9(U) 19:21:29 (M)
1. z	eP	23 17 51	Kolumbien	5.6N; 72.5W	h= 42km	H=23:05:32.4(U)
2. z,e	e z,n,e	03 39 24 39 56	Bergschlag Oberschlesien, Polen			H=03:37:52 (P) (W)
2. z	eP e	03 55 55 56 21				
2. z	1P z N,E,V	03 56 47.8D 04 00 21 39	1.3/22 SE-lich von Taiwan	22.6N;123.0E 23.2N;122.8E	h= 33km	H=03:44:18.3(U) 03:44:22 (M)
2. z	eP	04 27 29	0.8/13 Mittelmeer, SE-lich von Kreta	34.6N; 26.8E 34.5N; 26.4E	h= 60km h N	H=04:23:07 (B) 04:23:04.6(U)
2. z	eP	07 17 42				
2. z	1PKP	08 15 22.4	Gebiet der Loyalty-Inseln	21.6S;170.4E	h= 33km	H=07:55:54 (I)
2. z	e	08 46 45				
2. z,n,e,V	1P z z,V N,E N,E V N,E,V	08 56 21.7 56 42.3 57 06.0 59 35.7 09 06 35 12 10 20.9 36	1.5/115 83.5° MIH=5.7 S-lich von Hondo, Japan t17 an2 ae2 av1.5	33.6N;140.4E 33.7N;140.4E	h= 71km	H=08:44:00.4(U) 08:43:56 (M)
2. z	e(P)	10 48 09	Gebiet der Philippinen	19.2N;121.2E 19.2N;121.2E	h= 43km	H=10:35:26.4(U) 10:35:26 (M)
2. z	oPKIKP 1PKP z e ePP	10 51 16 51 23.9K 53 42 55 07	151° Mc=5.6 1.2/120 Gebiet der Tonga-Inseln			H=10:31:32.0(U)



April 1975

2. z,n,e	e	11 15 54				
2. z,n,e	1Pg z,n z,e	13 09 32.3 09 35.1 09 36.3	Sprengung			
2. z	eP	16 16 16	1.0/15 Gebiet von Taiwan	22.8N;122.9E 23.0N;123.1E	h= 55km	H=16:03:50.1(U) 16:03:48 (M)
2. z,n,e	eSg	17 18 08				
2. z,e	1PKP	19 10 16.1D	1.0/39			
3. z	e	00 12 30	Spuren			
3. z,e	e	00 48 58				
3. z	1PKP	00 51 38.5D	Tonga-Kermadec-Inseln	20.7N;178.5E	h= 0km	H=00:31:52 (I) (B)
3. z	1PKP z z,n z	03 33 18.7K 35 52 36 42 37 34	135.5° Santa-Cruz-Inseln	12.2S;166.6E	h=117km	H=03:14:11.5(U)
3. z,n,e	e	03 53 36				
3. z	1P	05 11 13.4				
3. z,e	1P	06 39 23.0K	1.0/27 Luzon, Philippinen	17.0N;120.3E 16.9N;120.5E	h= 83km	H=06:26:44.3(U) 06:26:38 (M)
3. z	e(Pn) z	06 41 55 43 08	Küste von SW-Norwegen	59.6N; 5.3E		H=06:39:23 (B)
3. z	e	09 13 10				
3. z,n,e	e	13 36 55				
3. z	e	13 51 55				
3. z	eP z	14 46 06 46 13	Nahe der E-Küste von Hondo, Japan	40.8N;141.9E 41.2N;141.9E	h= 75km 70	H=14:34:14.3(U) 14:34:16 (M)
3. z	eP z	16 27 13 27 25	Gebiet der Kurilen	43.6N;148.8E	h N	H=16:15:16.4(U)
3. z,e	e	22 14 31				
4. z	e(P)	02 29 12	Spuren, Mittelmeer, W-lich von Kreta	35.3N; 22.7E 34.1N; 23.5E	h N	H=02:25:10 (B) 02:24:56.5(U)
4. z	eP	04 29 15	Spuren, Kurilen	44.0N;148.4E	h= 42km	H=04:17:23.8(U)
4. z	eP z,n,e,V z,n,e,N z,n,e,N,E,V N,N,E V n,e,N,E,V N,E E,V	05 19 41 19 47 19 58 20 08 22 41 23 05 24.8 25.3 26.0 40	14.5° MIH=5.1 1.7/210 1.3/260 N-lich des Peloponnes t8 an3 ae6 av3 t8 an3.5 ae6 t12 ae5 av4.5	38.0N; 22.0E 38.1N; 22.0E 37.8N; 21.6E	h= 45km 53	H=05:16:18 (B) 05:16:16.2(U) 05:16:11 (M)
4. z	e	07 56 24				
4. z,e	e	08 53 04				



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4. z,e z,n,e	e e	08 55 21 55 43			
4. z,n,e z,n n e z e n,e z,n,e N,E z V	iPn i i i iSn e e e iSb eSg eL eL eL	09 12 38.8D 12 45.0 12 58.1 13 56.9 14 00.4 14 10 14 14 14 33 14 36.7 14 48 14 57 15.1 15 29 15.8	1.0/35 810km N-Italien, Toscanischer Apennin	44.2N; 11.OE 44.1N; 11.OE h N	H=09:10:53 (B) 09:10:53.4 (U)
4. z	eP	11 20 00	Spuren		
4. z,n,e z n e z,n z N,E,V	iPKIKP e e iPKP ₂ i ePF eIm	11 32 00.2D 32 12 32 19 32 33.3 32 37.8 36 17 12 45	2.3/100 158° Mc=5.5 1.6/59 Gebiet der Kermadec-Inseln	31.18; 178.4W h= 45km 31.28; 177.4W	H=11:12:08.0 (U) 11:12:05 (M)
4. z	e	16 00 34			
4. z,n,e	e	17 12 48			
4. z,n,e,V z n,e z,n z N,E N,E,V	iP i e i e i eS eIm	17 53 10.4K 53 15.2 53 49 54 05.8 54 43 54 49 18 03 04 35	1.7/98 77.5° MIH=5.4 Republik Madagaskar t16 an1 ae1 av1	21.28; 45.1E h N 21.38; 45.OE	H=17:41:16.3 (U) 17:41:11 (M)
4. z z	e e	18 33 34 35 17			
4. z	iPKP	20 11 16.8D	1.1/31 Gebiet der Loyalty-Inseln	21.88; 170.8E h= 89km	H=19:51:46 (I)
5. z,n,e	e	01 54 17			
5. z	e(P)	03 34 16	S-lich des Peloponnes	36.2N; 21.6E 36.2N; 22.OE h=120km	H=03:30:21 (B) 03:30:28.4 (U)
5. z	e	06 51 35			
5. z,n	e	07 39 22			
5. z z z	e e e	09 35 15 35 51 36 33			
5. z,e z,n,e,V z,n,e N,E N,E,V	eP i e eS eIm P	09 46 31 46 40.4K 46 53 56 24 10 26 11 30	77.5° MIH=5.6 1.5/160 Venezuela t17 an1.5 ae2 av3	10.ON; 69.8W h= 33km 10.ON; 69.OE	H=09:34:36.6 (U) 09:34:40 (M)
5. z	e	10 03 57 05 56			
5. z	eP	11 40 36			
5. z,e	e	12 02 06			

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5. z	eP	12 04 17			
5. z z	e e	16 04 22 06 20			
5. z,V z,n z n,e,N,E N,E N,E,V	iP e e e(S) eL eIm	17 04 15.8K 04 26 04 40 13 57 38 44	1.2/140 73° MIH=5.9 t16 an3.5 ae2 t16 an5 ae0.5 av2.5 Vor der E-Küste von Kamtschatka	52.2N; 160.2E h N 52.4N; 159.4E h= 65km	H=16:52:47.2 (U) 16:52:52 (M)
5. z,n,e,V z,n z,n,N z,n z,n z n,e,N,E n,N,E N,E N,E,V	iP i i e i i eS e eL eIm F	18 01 26.8K 01 33.7K 01 47.8 01 55 02 01.1 02 13.9 10 55 11 16 35 39 19 30	1.6/240 1.3/235 73° MIH=5.9 Vor der E-Küste von Kamtschatka t16 an5 ae2.5 t17 an5.5 ae2.5 av7.5	52.3N; 160.OE h N 52.4N; 159.7E h= 60km	H=17:49:58.9 (U) 17:50:02 (M)
5. z	eP	19 57 19	1.1/15 Unterirdische Kernexplosion, Nevada - Testort	37°11'16.50"N; 116°12'49.97"W h= 0km	H=19:45:00.0 (U)
5. z,e z,n,e z N,E N N,E,V	eP e ePP eS e eIm F	20 50 43 50 54 53 51 21 00 52 06.1 21 22	81° MIH=5.7 Nahe der N-Küste von Kolumbien t21 an2 ae3 av2	10.1N; 75.7W h= 52km	H=20:38:30.1 (U)
5. z z	e e	21 32 26 33 36			
5. z	iP	22 05 36.0	0.9/12 Nahe der E-Küste von Kamtschatka	55 N; 162.2E h= 33km	H=21:54:20 (I)
5. z	eP	22 43 36	Nahe der E-Küste von Kamtschatka	52.6N; 159.7E h= 70km	H=22:32:14 (M)
6. z,n,e z z	iPKP ₁ iPKP ₂ epPKP	00 30 59.1D 31 08.2 33 08	1.0/53 S-lich der Fidschi-Inseln	23.38; 179.OE h=464km	H=00:12:02.8 (U)
6. z z	eP e	00 38 55 40 50			
6. z	i	04 24 38.6			
6. z,n	eP	05 01 55	Republik Kongo	5.18; 27.7E h= 34km	H=04:52:07.6 (U)
6. z	eP	05 59 52	Vor der E-Küste von Kamtschatka	52.2N; 160.3E h N	H=05:48:24.2 (U)
6. z,n,e,N z z,n,e n,e,N,E z,n,e N N,E N,E N,E,V	iP i e eS ePS e eL eL eIm	10 06 48.1K 06 58.0 07 16 16 12 16 37 17 06 35 40 44	1.3/220 73° MIH=6.6 Vor der E-Küste von Kamtschatka t17 an30 ae9.5 t17 an30 ae9.5 av43	52.2N; 160.2E h N 52.3N; 159.4E h= 55km	H=09:55:18.9 (U) 09:55:23 (M)
6. z	eSg	10 36 15	Mähren, CSSR		(W)



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6. z,n,e,N	IP	10 46 24.8K 1.1/310			
z	e	46 36	73° MLH=6.6		
n	eS	46 43			
n,e	e	55 51	Vor der E-Küste von	52.2N;160.0E h N	H=10:34:56.7(U)
z,n,e	eL	56 08	Kamtschatka	52.3N;159.8E h= 40km	10:34:57 (M)
N,E	eL	11 15			
N,E	eL	20	t17 an25.5 ae10		
N,E,V	eL	24	t17 an26.5 ae14 av38		
N,E,V	F	13 30			
6. z	eP	10 52 06			
6. z	eP	11 10 48	Vor der E-Küste von		
z	e	11 01	Kamtschatka	52.4N;159.8E h= 0km	H=10:59:15.2(I)
z	e	11 10			
6. z	eP	13 47 27	Vor der E-Küste von	52.3N;160.1E h N	H=13:35:58.5(U)
z,n,e	i	47 52.3	Kamtschatka	52.4N;160.0E h= 65km	13:36:01 (M)
6. z,e	eP	13 57 07	Vor der E-Küste von	52.4N;160.1E h N	H=13:45:39.4(U)
			Kamtschatka	52.9N;159.6E	13:45:43 (M)
6. z	eP	15 48 19	1.0/12		
z	e	48 34	Vor der E-Küste von	52.2N;159.8E h N	H=15:36:50.4(U)
			Kamtschatka	52.3N;159.5E h= 60km	15:36:54 (M)
7. z	eP	01 53 01	Nahe der Küste von Ecuador	2.0S; 80.3W h= 62km	H=01:39:50.5(U)
7. z	IP	03 40 43.5D 1.3/22			
o	e	42 37	Vor der E-Küste von	52.2N;160.3E h N	H=03:29:14.4(U)
			Kamtschatka	52.1N;160.3E	03:29:12 (M)
7. z,n,e	IP	08 13 56.4K 1.2/46			
z,e	epP	14 08	S-Sumatra	1.6S; 99.7E h= 18km	H=08:00:59.8(U)
				1.7S; 99.7E	08:01:02 (M)
7. z	eSg	10 25 52	Großreifling,		
			Steiermark	47.7N; 14.7E	(W)
7. z	e	10 45 14			
7. z	eP	14 51 07	1.4/20		
			Vor der Küste von S-Afrika	37.5S; 30.9E h= 25km	H=14:38:10.5(U)
7. z	IP	18 02 27.4 1.6/61			
z,n,e	epP	02 37	Vor der E-Küste von	52.4N;159.8E h N	H=17:50:59.5(U)
n,e	e	03 14	Kamtschatka	52.2N;160.1E	17:50:57 (M)
7. N,E,V	eL	23 07			
8. z	eP	01 57 38	Gebiet der Azoren	42.6N; 29.4W	H=01:51:28 (B)
N,E,V	eLm	02 07		42.7N; 29.3W h N	01:51:30.0(U)
				42.6N; 29.6W	01:51:24 (M)
8. z,n,e	IP	06 39 21.8K 1.3/245			
z,e	epP	39 34			
e	e	40 08	80.5° MLH=5.7		
N	e(PF)	42 15	Nahe der E-Küste von	37.7N;141.7E h= 46km	H=06:27:13.3(U)
E	eSKS	49 24	Hondo, Japan	38.1N;141.5E h= 50	06:27:16 (M)
N,E,V	eS	49 50			
	eLm	07 18	t16 an2 ae1.5 av3		
8. z	e(P)	11 43 03	1.1/20		
N,E,V	eLm	53	Gebiet der Azoren	42.6N; 29.4W	H=11:36:51 (B)
				42.7N; 29.4W h N	11:36:53.8(U)
				42.2N; 29.8W	11:36:46 (M)
8. z	eP	17 13 34	Vor der E-Küste von	52.5N;160.1E h N	H=17:02:06.6(U)
			Kamtschatka	52.1N;160.1E	17:02:04 (M)
8. z	IP	20 44 16.1D 1.4/36			
z	e	46 08	Gebiet der Aleuten	51.9N;166.2W h N	H=20:32:24.9(U)
				52.1N;166.6W	20:32:25 (M)

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8. z,n,e	e	21 59 03			
8. z	eP	22 02 15	Vor der E-Küste von	51.6N;159.5E h N	H=21:50:44.2(U)
n	e	02 23	Kamtschatka	51.5N;159.7E	21:50:42 (M)
8. z	e	22 46 19			
z,n,e	e	46 28			
8. z	eP	23 49 23	Vor der E-Küste von	52.3N;159.9E h N	H=23:37:55.2(U)
z	e	49 34	Kamtschatka	51.7N;160.2E	23:37:50 (M)
9. z	eP	03 38 04	Tibet	30.4N; 84.9E h N	H=03:28:28.6(U)
				30.8N; 84.8E	03:28:27 (M)
9. z,n,e	IPKP	06 45 02.9	0.9/94		
z,e	ipPKP	45 41			
z,n,e,N,E,V	IPP	46 40.6	122° h=150km		
z,e,V	epPP	47 13			
e	e	47 29	MLH=6.3 (nicht tiefenkorrigiert)		
z,n	i(SKP)	48 27.8			
n,e,N,E	eSKS	51 53	Gebiet von Neu-Britannien	4.0S;152.7E h=133km	H=06:26:22.2(U)
n,e	e	52 25		3.5S;154.2E h=100-120	06:26:19 (M)
z	ePKKP	55 02			
z	ePKKP	55 34			
N,E	epPS	57.0			
N	e(PPPS)	58 28			
e	i	07 01 13			
z	e	01 56.1			
N	eSS	03 04			
N,E	ePSPS	04 03			
N,E	eSSS	08 40			
N,E,V	eLm	30	t19 an5 ae3.5 av2.5		
9. z	e	07 33 16	Spuren		
9. z	e	11 22 12			
9. z	e	14 20 53			
9. z	eP	15 16 37	1.5/25		
z	e	20 02			
z	ePF	20 25		11.7N;125.5E h= 48km	H=15:03:20.5(U)
z	e	25 18	Samar, Philippinen	11.5N;125.6E	15:03:18 (M)
9. z,n,e	e	17 16 40			
9. z	eP	20 06 40	China	40.7N;122.4E	H=19:55:36 (M)
N,E	eLm	39			
9. z,n	eP	21 28 07			
9. z,n,e	IP	22 33 23.2D 1.1/74			
z	e(pP od. sP)	7) 33 51			
z,e	ePP	35 04	Tadschikische SSR	38.1N; 72.7E h= 78km	H=22:25:28.1(U)
				38.3N; 72.5E h= 120	22:25:34 (M)
9. z	e	22 40 52			
10. z	eP	00 40 26	Vor der E-Küste von	52.4N;160.1E h N	H=00:28:56.6(U)
z	epP	40 38	Kamtschatka		
10. z	eP	02 34 33	Vor der E-Küste von	52.5N;160.2E h N	H=02:23:05.3(U)
			Kamtschatka	52.2N;160.4E	02:23:03 (M)
10. z,n,e	e	04 22 33			
10. z	e	09 37 20			
10. z	IPKP	15 38 45.2	1.0/21		
z	e	39 58			
z	e	41 04	Salomonen	6.7S;156.0E h=148km	H=15:19:59.2(U)
				8.8S;157.1E	15:19:28 (M)

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10. z,n,e	ePKP ₁ e e(PFKP)	17 09 43 10 02 10 17	K 1.3/32 Gebiet der Loyalty-Inseln	22.4S;173.1E h=113km H=16:50:12.2(U) 22.8S;172.1E 16:49:59 (M)
10. z	ePKP	18 31 36	Gebiet der Samoa-Inseln	15.6S;171.9W h= 15km H=18:12:01.6(U) 15.5S;173.1W 18:12:01 (M)
10. z	e	20 15 31		
10. z	e	22 28 27		
11. z,n,e,E,V	IPKIKP ePKP ₁ e e eFFS eSS eIm eL	00 30 12.7D 30 16 30 53 32 50 46.4 52.6 01 37 48	1.9/340 t5 ae1.0 av3.0 146.5° MLH=6.2 S-lich von Australien t20 an3 ae3 t18 av3.5	50.8S;139.1E h N H=00:10:35.1(U)
11. z	ePKP	00 33 50	S-lich von Australien	H=00:14:14 (S)
11. z,n,e	IPKP	00 41 12.1K	1.6/99 S-lich von Australien	H=00:21:34 (S)
11. z	ePKP	05 18 37	S-lich von Australien	H=04:59:00 (S)
11. z,n,e,V	IP e N,E,V eIm	10 58 55.7K 11 00 58 37	1.3/125 Gebiet der Insel Unimak	54.1N;163.2W h= 20km H=10:47:15.3(U) 54.5N;163.7W 10:47:16 (M)
11. z,n,e	ePKIKP IPKP ₁ epPKP	12 01 20 01 22.1K 03 40	0.8/40 Gebiet der Fidschi-Inseln	17.7S;178.8W h=571km H=11:42:46.1(U) 17.4S;178.8W 430 11:42:34 (M)
11. z,n,e	e	12 31 28		
11. z	eP	14 32 58	W-lich von Teheran, Iran	35.7N; 50.3E H=14:26:43 (B) 35.5N; 50.2E h= 50km 14:26:44.7(U) 35.5N; 50.3E 14:26:43 (M)
11. z,n,e	e	18 54 12		
11. z	eP	20 10 02	Vor der E-Küste von Kantschatka	52.2N;160.4E h N H=19:58:31.3(U) 51.8N;160.6E 19:58:28 (M)
11. z	eP i	21 00 43 00 56.8	Nahe der E-Küste von Hondo, Japan	35.8N;140.1E h= 63km H=20:48:30.2(U)
11. z,e	IP i e ipP	22 27 58.6K 28 02 28 12 28 17.7	1.2/39 Hondo, Japan	36.1N;139.9E h= 65km H=22:15:48.1(U) 35.6N;140.2E 22:15:41 (M)
12. z	IPKP ₁ IPKP ₂	02 58 11.8 58 16.5	1.1/20	
12. z	eP	03 14 12		
12. z	e	04 15 41	Spuren	
12. z	e(P)	04 40 37	N-atlantischer Rücken	52.0N; 30.2W h N H=04:35:04.0(U)
12. z,e	eP i e	13 24 04 24 10.3 24 17	2.0/44 N-atlantischer Rücken	52.0N; 30/2W H=13:18:25 (B) 52.0N; 30.2W h N 13:18:28.9(U) 51.9N; 30.2W 13:18:28 (M)
12. z	IPKP ₁	14 44 38.9	0.8/17 Gebiet der Fidschi-Inseln	17.7S;178.8W h=562km H=14:26:02.8(U)

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12. z,e	IP e e(PP)	15 46 41.6 47 08 50 33	1.5/32 Peru	14.8S; 72.7W h= 81km H=15:33:08.6(U) 15.18; 73.2W 15:33:03 (M)
12. z,n,e	eP	16 50 03	1.2/27 Tyrrhenisches Meer, Nahe der Küste von Kalabrien, Italien	38.4N; 15.7E h=175km H=16:47:05 (B) 38.4N; 15.5E 172 16:47:01.8(U)
12. z	e	18 15 17		
12. z,n,e	e	15 28		
12. z	e	19 55 50	N-Italien	45.1N; 8.0E H=19:52:24 (B) 45.1N; 7.9E h N 19:52:26.3(U)
12. z	IPKP ₁ ePKP ₂ epPKP	21 09 13.3K 09 25 10 00	1.0/32 S-lich der Fidschi-Inseln	25.7S;177.7W h=177km H=20:49:36.0(U)
13. z	IP	00 31 18.8D	1.2/35 Nahe der E-Küste von Hondo, Japan	37.5N;141.9E h= 50km H=00:19:08.5(U) 37.8N;141.8E 00:19:08 (M)
13. z,n,e	IP epP z z,e E e E N,E N,E V eIm eL	01 47 54.6K 48 57 51 55 58 00 02 00 05 02 10 07.5 31 40	1.8/85 99° h=200km Mindanao, Philippinen t18 an2 ae1.5 t18 av2	5.7N;125.4E h=225km H=01:34:36.2(U) 5.5N;125.4E 200 01:34:33 (M)
13. z	eP epP eP	02 05 54 06 30 06 46	2.0/61 Kolumbien	4.8N; 75.8W h=144km H=01:53:30.7(U)
13. z	eSg	02 50 35	Ebriach, Bezirk Völkermarkt, Kärnten	(W)
13. z	e	07 34 47		
13. z	e	10 55 39		
13. z	eP	14 36 02	S-Sumatra	2.4S;100.1E h= 38km H=14:23:04.7(U) 2.5S;100.0E 14:23:04 (M)
13. z	e	16 02 48		
13. z	e	21 04 51		
14. z	e	03 06 21		
14. z	ePKP	06 45 40	Gebiet der Fidschi-Inseln	17.7S;175.9E h= 0km H=06:26:02.6(I)
14. z	ePP eIm N,E,V	07 46 58 08 34	Molukken-Straße	1.8N;126.5E h= 44km H=07:28:43.0(U) 2.2N;126.3E 07:28:44 (M)
14. z	e	13 07 59	1.5/27 Gebiet des Hindukusch	36.6N; 70.9E h=229km H=12:59:04.6(U) 36.6N; 71.1E 220 12:59:04 (M)
14. z	e	18 32 05	Spuren	
14. z	e	20 23 32		
14. z	eP i i	21 03 44 03 49.4 03 55.0	Vor der E-Küste von Kantschatka	52.2N;160.0E h N H=20:52:15.7(U) 52.0N;160.6E h= 40km 20:52:13 (M)
15. z	IP	01 28 57.2D	Spuren, Gebiet der Kurilen	45.7N;152.8E h N H=01:17:03.9(U)

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15. z,n,e	eFKP	02 34 51	K 1.5/70					
z	e	35 10	Tonga-Inseln	17.5S; 173.3W	h N	H=02:15:14.2(U)		
z	e	35 17						
15. z	eP	02 56 07	Mittelindischer Rücken	15.3S; 67.0E	h= 33km	H=02:43:51 (I)		
15. z	eP	02 58 57	Arabisch-Indischer Rücken	16.1S; 66.9E		H=02:46:36 (M)		
15. z,e	e	09 59 21	Nahe der Küste von Venezuela	9.3N; 61.5W	h= 47km	H=09:47:43.6(U)		
z	e	59 28						
15. z,n,e	e	10 26 37						
15. z	iPKP ₁	12 51 40.5D	1.3/49					
z	iPKP ₂	51 45.3K	Gebiet der Fidschi-Inseln	20.7S; 178.6W	h=615km	H=12:33:01.9(U)		
15. z,n,e	e	14 13 13						
15. z,n,e	i	15 02 35.3						
15. z,n,e	i	15 46 53.5						
z,e	e	47 19						
15. z,n,e	e	16 29 55						
15. z,n,e	e	22 04 09	Bergschlag Oberschlesien, Polen					(P)
16. z,e	e	00 43 39						
16. z,n,e,WN,WE	iP	01 32 21.6K	1.5/1100 1.8/850 (1.5/400)					
N,E,V	iPm	32 30	t5 an21.2 ae9.5 av28.6					
Z	e	32 38	1.6/(10800)					
WE,E	e	32 51	22.5° MPH ₁ =MPV ₁ =7.1 MSH ₁ =7.0 MLH=6.7					
N,E	eS	36 28	t13 an49.5 ae54.5					
n,e,WN,WE	e	36 39						
N,E	e	43	t13 an(140) ae(75) av165					
z,n,e,WN,WE	eIm	44 38						
N,E,V	e	47 50	N-atlantischer Rücken,	71.5N; 10.0W	h= 13km	H=01:27:19 (B)		
z	e	03 30	W-lich von Jan Mayen	71.5N; 10.4W		01:27:18.7(U)		
z	F			71.5N; 11.1W		01:27:15 (M)		
16. z	e(P)	02 18 20	S-lich von Afrika	51.5S; 29.0E	h N	H=02:00:07.1(U)		
16. z	eP	03 03 06	Äthiopien	14.2N; 40 3/4E		H=02:55:06 (B)		
z	e	03 46		14.6N; 40.7E	h N	02:55:08.8(U)		
16. z	iP	04 59 01.9	1.6/27					
z	epP	59 27	Kostarika	10.5N; 85.8W	h= 69km	H=04:46:21.4(U)		
16. z	e	05 02 33		11.8N; 85.5W		04:46:23 (M)		
z	e	02 47						
16. z	e	12 06 41						
16. z,n,e	iPKP ₁	14 27 48.9K	1.6/67					
z	ePP	31 27	Gebiet der Tonga-Inseln	22.8S; 175.3W	h= 38km	H=14:07:59.5(U)		
16. z,n	iPKP ₁	15 59 30.2K	1.6/48					
z	epPKP	59 41	Tonga-Inseln	20.9S; 174.0W	h N	H=15:39:43.3(U)		
16. z	ePKP ₂	19 57 40	Tonga-Kermadec-Inseln	25.7S; 176.1W	h= 0km	H=19:37:30 (B)		
z	e	58 11						(I)
16. z,n,e,N,V	iP	21 45 07.3K	1.5/400					
z,e,V	e	45 26						
z,n	eS	47 42	75.5° MLH=6.0					
N,E	eL	54 44	Kurilen	48.4N; 154.9E	h= 32km	H=21:33:25.1(U)		
N,E,V	eLm	22 20	t20 an3.5 ae3.5	49.1N; 154.0E		21:33:30 (M)		
N,E,V	eLm	24	t15 an4.5 ae2.5 av6.5					



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17. z,n,e	ePKP ₁	01 35 41	Gebiet der Tonga-Inseln	22.8S; 175.2W	h N	H=01:15:50.6(U)		
17. z	eP	02 13 20	Gebiet der Azoren	45.5N; 28.4W	h N	H=02:07:30 (B)		
				46.0N; 27.8W		02:07:34.4(U)		
						02:07:37 (M)		
17. z	e	07 35 46	Gebiet der Fidschi-Inseln	20.6S; 176.8W	h= 33km	H=07:15:44 (I)		
17. z	iPg	09 00 21.7	120km Sprengung 15.6 t	50.76°N; 14.42°E				(O)
z	iSg	00 37.6						
z	iL	00 50.3						
17. z	i	12 57 52.8						
z,n,e	e	58 08						
n,e	e	58 39						
17. z	e	16 07 35	Spuren					
17. z,n,e	eSg	16 41 38						
17. z,n,e	iP	18 53 17.8K	1.2/49					
z	e	55 47						
z	ePP	56 22	Hondo, Japan	36.1N; 139.8E	h= 65km	H=18:41:07.6(U)		
				36.5N; 139.7E	60	18:41:09 (M)		
17. z,n,e	iPKP	22 12 46.7D	1.2/86					
			Gebiet der Fidschi-Inseln	17.4S; 177.1W	h=420km	H=21:53:56.0(U)		
18. z	iPKP	01 28 35.9D	0.9/23					
18. z,n,e	e	06 38 56						
18. z,n,e	e	09 53 39						
18. z	e	10 12 45						
18. z,n,e	e	14 41 45						
18. z	e(P)	21 02 43	Ägäisches Meer, Nähe Euböa	39.0N; 23.5E	h= 10km	H=20:59:12 (B)		
				39.0N; 23.3E		20:59:10.6(U)		
19. z,e	e(P)	05 06 46	N-Atlantik	59.2N; 31.2W	h N	H=05:01:19.1(U)		
				58.8N; 31.5W		05:01:09 (M)		
19. z	e	06 28 19						
19. z	ePKIKP	06 42 54	Oster-Rücken	55.4S; 124.6W	h N	H=06:23:02.5(U)		
				53.7S; 127.1W		06:23:06 (M)		
19. z	e	12 16 47	Spuren					
19. z,e	iP	12 32 26.9D	1.6/45					
z	i	32 32.5	N-atlantischer Rücken	16.5N; 46.6W	h N	H=12:22:32.6(U)		
				17.1N; 47.0W		12:22:30 (M)		
19. z	eP	13 50 27	Arabisches Meer	13.7N; 56.0E	h= 0km	H=13:41:31 (S)		
						13:41:23 (I)		
19. z,n,e	iP	13 54 49.1K	2.5/120					
z	ePP	56 47						
E	eS	14 02.2						
N,V	eL	17	Arabisches Meer	14.4N; 56.5E	h N	H=13:45:50.1(U)		
				13.6N; 56.5E		13:45:46 (M)		
19. z	e	14 06 15	Spuren					
19. z	e	14 11 50						
z	e	14 29						
19. z	iP	14 20 43.8D	Arabisches Meer	13.9N; 56.4E		H=14:11:42 (M)		
z	e	22 46						

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19. z	e	14 40 59					
z	e	42 23					
19. z	e	14 57 51					
z	e	59 21					
19. z	eP	17 18 34	Arabisches Meer	14.5N; 56.5E	h N	H=17:09:32.2(U)	
19. z,e	eP	17 19 53	Arabisches Meer	14.5N; 56.5E 13.5N; 56.4E	h N	H=17:10:54.8(U) 17:10:49 (M)	
19. z,n,e	eP	17 30 32	2.4/85	14.6N; 56.3E	h N	H=17:21:35.2(U)	
z	e	32 16	Arabisches Meer	13.8N; 56.2E		17:21:30 (M)	
19. z	e(P)	17 35 45	Spuren, Arabisches Meer	14.5N; 56.4E	h N	H=17:26:42.5(U)	
19. z	eP	17 42 24	Arabisches Meer	14.6N; 56.2E	h N	H=17:33:27.0(U)	
19. z	eP	17 45 37	Arabisches Meer	6.5N; 52.9E	h= 30km 0	H=17:36:35 (B) 17:35:50 (I)	
19. z	eP	17 47 35	Arabisches Meer	14.5N; 56.2E 13.5N; 56.3E	h N	H=17:38:38.6(U) 17:38:31 (M)	
19. z	eP	17 49 30	Arabisches Meer			H=17:40:32 (B)	
19. z	eP	17 54 58	Arabisches Meer	14.5N; 56.6E	h N	H=17:45:59.2(U)	
z	ePP	57 00					
19. z,e	eP	17 59 50	Arabisches Meer	14.5N; 56.4E	h N	H=17:50:52.7(U)	
z,n,e	ePP	18 01 52					
19. z	eP	18 04 33					
z	e	04 44					
19. z	eP	18 04 52	1.4/22				
z	e	05 17					
19. z	eP	18 14 11	Arabisches Meer	14.5N; 56.0E	h N	H=18:05:15.8(U)	
19. z,n,e	iP	18 18 25.0D	1.9/69				
z	e	18 37					
z	e	19 43	Arabisches Meer	14.5N; 56.3E 13.9N; 56.3E	h N	H=18:09:27.9(U) 18:09:24 (M)	
19. z	eP	18 20 17	Arabisches Meer			H=18:11:18 (B)	
z,e	e	20 25					
19. z,n	iP	18 25 08.9K					
z,e	i	25 14.7	1.9/71				
z	i	25 20.8					
z,e	e	27 11	Arabisches Meer	14.5N; 56.3E 13.9N; 56.2E	h N h= 20km	H=18:16:11.7(U) 18:16:06 (M)	
19. z	e	18 34 40					
19. z,e	eP	18 52 56	1.8/36	14.5N; 56.4E	h N	H=18:43:59.1(U)	
z	e	53 16	Arabisches Meer	14.0N; 56.4E		18:43:56 (M)	
19. z	eP	18 58 42	Arabisches Meer	14.6N; 56.1E 13.7N; 56.5E	h N	H=18:49:45.2(U) 18:49:39 (M)	
19. z	eP	19 18 24	1.9/49	14.5N; 56.2E	h N	H=19:09:27.5(U)	
z	e	20 24	Arabisches Meer	13.4N; 56.4E		19:09:20 (M)	
19. z	e(P)	19 25 49	Spuren, Arabisches Meer	14.2N; 56.2E	h N	H=19:16:45.6(U)	
19. z,n,e	eP	20 24 40	2.0/95				
z	e	24 52					
z,n,e	ePP	26 00					
		26 41	Arabisches Meer	14.4N; 56.4E 13.7N; 56.4E	h N h= 25km	H=20:15:43.5(U) 20:15:38 (M)	

19. z	iPKP	20 28 26.1D	Tonga-Inseln	17.8S; 174.5W	h= 0km	H=20:08:44 (I)	
19. z	e	20 34 58	Spuren				
19. z	e	20 53 43	Spuren				
19. z	e	21 02 16					
19. z,e	eSn	21 23 46	Tolmezzo, Italien	46.2N; 13.1E	h N	H=21:21:35.6(U)	
z,n,e	eSb	24 14					
19. z	eSb ₁	21 25 07	Tolmezzo, Italien				(W)
z,n,e	eSg	25 24					
19. z	eP	21 30 12	2.1/50	14.4N; 56.4E	h N	H=21:21:13.6(U)	
z	ePP	32 12	Arabisches Meer	13.6N; 56.4E	h= 20km	21:21:07 (M)	
19. z	eP	21 38 48	Arabisches Meer	14.4N; 56.1E 13.8N; 56.3E	h N	H=21:29:50.8(U) 21:29:43 (M)	
19. z	eP	22 06 25	Arabisches Meer	14.3N; 56.2E	h N	H=21:57:26.6(U)	
19. z,n,e	e	22 09 33					
19. z	e	23 01 02	Spuren				
19. z	e	23 17 49	Spuren				
19. z,e	iP	23 38 07.1	2.1/41	14.5N; 56.4E	h= 68km	H=23:29:13.4(U)	
z	e	38 17					
z	ePP	40 06	Arabisches Meer	13.7N; 56.4E	20	23:29:03 (M)	
19. z	e	23 46 25					
19. z	e	23 53 03					
20. z	e	00 50 46					
20. z	e	00 58 15					
20. z	eP	01 08 48	2.4/51	14.3N; 56.4E	h N	H=00:59:50.5(U)	
			Arabisches Meer	13.9N; 56.4E		00:59:48 (M)	
20. z	e	01 13 18					
20. z	eP	02 15 32	Arabisches Meer	14.1N; 56.4E	h N	H=02:06:32.7(U)	
z	ePP	17 35		13.8N; 56.4E	h= 15km	02:06:28 (M)	
20. z,n,e	eSb	03 39 24	Tolmezzo, Italien	46.3N; 13.1E	h N	H=03:36:48.8(U)	
20. z,e	eP	03 50 05	1.7/32	14.2N; 56.5E	h N	H=03:41:06.5(U)	
z	e(P)	52 16	Arabisches Meer	13.7N; 56.4E	h= 15km	03:41:00 (M)	
20. z	eP	05 18 39	Arabisches Meer	14.4N; 56.6E	h N	H=05:09:42.4(U)	
z	e(P)	20 42		13.8N; 56.7E	h= 25km	05:09:38 (M)	
20. z	iPKP ₁	08 54 12.1D	1.1/16	20.9S; 173.3W	h= 0km	H=08:34:20.3(I)	
z	e	54 32	Tonga-Inseln				
20. z,e	eP	09 05 47	2.2/68	14.5N; 56.5E	h N	H=08:56:49.8(U)	
z	i	05 53.2		14.1N; 56.5E		08:56:48 (M)	
z,e	ePP	07 48	Arabisches Meer				
20. z	e	09 37 01					

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20. z	z	iP ePP	10 04 04.8K 1.8/40 06 06 Arabisches Meer	14.6N; 56.5E h N 13.6N; 56.6E h= 25km	H=09:55:06.3(U) 09:55:00(M)
20. z		eP	10 09 02 Arabisches Meer	14.4N; 58.7E h= 0km	H=10:00:11(U) 09:59:56(M)
20. z,e,V	z,n,e	ePKP ipPKP	11 59 48 2.2/270		
	E,V	eIP	12 01 56		
	N,E,V	eFKS	03 13		
	e	e	03 18		
	z,V	e	07 28 130° MLH=6.4		
	z	e	11 09		
	E,V	cPoPKP	12 48		
	z	eFFS	13 52		
	N,E	e	16 12 S-Pazifik	36.48; 98.8W h N 36.8S; 100.3W	H=11:40:39.9(U) 11:40:41(M)
	E	eSS	19.7		
	N,E,V	e	20 13		
	N,E,V	eSSS	24.4		
		eL	47		
		eLm	52 t19 an2.5 ae7.5 av7.5		
		eL	58		
20. z		e	13 19 15 Spuren		
20. z		iP	13 54 54.1 0.9/17 Riu-kiu-Inseln	28.2N; 130.3E h= 0km	H=13:42:20(M)
20. z	z	eP ePP	14 48 06 Arabisches Meer 50 07	14.5N; 56.3E h N 13.1N; 56.2E	H=14:39:08.8(U) 14:38:56(M)
20. z		e	15 42 08 Spuren		
20. z		e	15 48 17		
20. z		eP	16 13 12 Arabisches Meer	14.5N; 56.2E h= 35km	H=16:04:16(M)
20. z	z,n,e,V	iP	17 48 00.4		
	z	i	48 06.0 1.3/68		
	z,n,e,N,V	ePP	48 08.9 80° MSH=6.0 MLH=6.7		
	N,E	eS	51 10		
	N,E	eSS	58 06 t13 an1.8 ae1.7		
	N,E	e(SSSS)	18 03.4 Kiuschu, Japan	33.2N; 131.3E h= 7km	H=17:35:50.4(U) 17:35:56(M)
	N,E	eL	07.9 t16 an18.5 ae17		
	N,E,V	eLm	21 t16 an24 ae13 av23		
		eLm	26		
20. z,n,e	z,n	iP	19 00 08.4D 1.3/46		
	e	i	00 15.1 73.5°		
	N,E,V	e(S)	09 53		
		eFS	10 20 Vor der E-Küste von	51.8N; 159.9E h N	H=18:48:37.9(U) 18:48:39(M)
		eLm	37 Kantschatka	52.2N; 159.4E	
20. z,e	z	eP	21 31 44 Arabisches Meer	14.6N; 56.4E h N	H=21:22:47.2(U) 21:22:44(M)
		e	32 02		
		ePP	33 46		
20. z	z	iPKP ₂	22 14 56.1K 1.1/14		
		e	16 11 Gebiet der Kermadec-Inseln	27.8S; 179.0W h=358km	H=21:55:20.2(U)
20. z		e(Pg)	22 31 48		
20. z	z	iP	22 34 41.8D Kantschatka	51.6N; 160.2E	H=22:23:07(M)
	z	e	34 43		
20. z		eP	22 51 41 Arabisches Meer	14.6N; 56.2E h N	H=22:42:44.0(U) 22:42:42(M)
		e	51 51		
21. z		e	00 53 29 Spuren, Gebiet der Azoren	42.9N; 29.2W h N	H=00:47:18.7(U)
21. z		eP	02 34 55 2.0/42 Arabisches Meer	14.4N; 56.5E h N	H=02:25:56.7(U) 02:25:55(M)

21. z		eP	03 04 48 N-lich der Insel Ascension	0.98; 12.8W h N	H=02:55:08.1(U)
21. z,n,e		iP	03 57 26.0K 1.0/35 Nahe der E-Küste von Hondo, Japan	36.5N; 140.6E h= 58km 37.3N; 140.3E 140	H=03:45:14.9(U) 03:45:28(M)
21. z		e(P)	04 03 14 Spuren, Arabisches Meer	14.4N; 56.4E h N	H=03:54:18.2(U)
21. z	N,E,V	ePP eLm	04 09 12 Spuren, Bismarck-See 05 01	3.28; 147.1E h N	H=03:49:17.9(U)
21. z		e	06 18 16 N-atlantischer Rücken	45.4N; 28.0W h N	H=06:12:22.5(U)
21. z,e	z,n,e	eP	06 20 18 1.8/61		
	N,E,V	i	20 22.9 t18 an1.5 ae2 av2	45.3N; 28.1W	H=06:14:30(B)
		eLm	30 N-atlantischer Rücken, N-lich der Azoren	45.3N; 28.0W h N 45.4N; 28.6W	06:14:32.2(U) 06:14:26(M)
21. z		eP	08 57 52		
21. z		ePKP	11 33 29 Kermadec-Inseln		(B)
21. z		eP	12 01 12 Spuren, Arabisches Meer	14.6N; 56.1E h N 14.0N; 56.3E	H=11:52:15.9(U) 11:52:11(M)
21. z		eP	15 16 17 Arabisches Meer	14.4N; 56.0E h N	H=15:07:23.1(U)
21. z,n,e		e	15 22 53		
21. z,e	N,E,V	eP eLm	19 20 42 2.0/41 30 N-atlantischer Rücken, N-lich der Azoren	45.2N; 28 3/4W 45.3N; 28.0W h N 45.1N; 28.6W	H=19:14:49(B) 19:14:56.3(U) 19:14:48(M)
21. z		iP	20 24 54.0 1.0/17 Griechenland, S-Peloponnes	36.5N; 23.2E 37.1N; 23.5E h= 83km	H=20:21:02(B) 20:21:10.6(U)
21. z		e(P)	21 13 41 Arabisches Meer	14.4N; 56.2E h N 14.6N; 57.1E	H=21:04:37.2(U) 21:04:37(M)
21. z		iPKP	21 22 55.3K Tonga-Inseln	16.2S; 173.8W h= 33km	H=21:03:22.4(I)
		e	23 27		
21. z		iPKP	22 29 04.7D 0.8/15 Gebiet der Fidsohi-Inseln	19.8S; 178.1W h= 33km	H=22:09:29(I)
21. z		eP	23 17 05 Mindanao, Philippinen	6.2N; 126.8E h=108km 6.2N; 126.9E	H=23:03:30.3(U) 23:03:22(M)
21. z	z,n	ePKP ₁ iPKP ₂	23 54 22 1.2/24 54 43.1D Kermadec-Inseln	30.3S; 177.9W h= 44km 30.9S; 177.4W	H=23:34:19.8(U) 23:34:11(M)
22. z		iP	00 23 56.7 Nahe der N-Küste von Kolumbien	10.2N; 75.7W h= 34km	H=00:11:41.9(U)
22. z		eP	00 43 46 Arabisches Meer	14.6N; 56.4E h N 13.9N; 56.6E h= 25km	H=00:34:49.6(U) 00:34:43(M)
22. z,n,e		e	03 18 37		
22. z,n,e		e	03 24 03		
22. z,e		eP	03 47 47 1.8/29 Arabisches Meer	14.7N; 54.9E h N 14.6N; 55.1E	H=03:38:56.7(U) 03:38:57(M)
22. z,n,e	z	iP e(PP)	06 44 26.7 1.8/46 46 29 Arabisches Meer	14.7N; 54.9E h N 14.6N; 55.0E	H=06:35:36.8(U) 06:35:37(M)

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22. z	ePKP ₂	07 59 40	Spuren, Gebiet der Kermadec-Inseln	31.3S; 179.5E h=392km H=07:39:59.0(U)
22. z	eP	08 40 18	Arabisches Meer	14.6N; 56.3E h N H=08:31:20.6(U) 12.8N; 56.1E 08:31:09 (M)
22. z	eP	09 59 43	Gebiet von Sokotra	13.9N; 56.4E h= 33km H=09:50:42 (M)
22. z	1PKP ₁	12 09 59.6D	1.5/32 Tonga-Inseln	18.7S; 173.4W h= 50km H=11:50:20 (M)
22. z	eP	15 32 02	Arabisches Meer	14.8N; 56.9E h N H=15:23:05.4(U) 13.8N; 56.6E h= 15km 15:22:57 (M)
22. z,n,e	e	17 01 12		
22. z,n,e	e	01 36		
22. z	eP	18 34 36	1.8/46	
z	i	34 42.3		
z	ePP	36 36	Arabisches Meer	14.5N; 56.5E h N H=18:25:37.8(U) 14.0N; 56.6E 18:25:35 (M)
22. z	eP	20 03 56	Arabisches Meer	15.4N; 55.9E h= 33km H=19:54:56 (M) 19:55:04 (M)
22. z	eP	20 06 28	Gebiet von Hokkaido, Japan	41.6N; 144.1E h= 45km H=19:54:33.5(U) 42.4N; 144.1E 80 19:54:40 (M)
22. z	e	20 06 57		
22. z	1P	20 16 49.3K	1.1/43 Kurilen	44.7N; 148.8E h= 77km H=20:05:03.7(U) 44.9N; 148.8E 80 20:05:05 (M)
22. z,n,e	eP	20 29 26		
z	e	29 33	1.8/45 N-atlantischer Rücken, SW-lich von Spitzbergen	75.5N; 10 °E H=20:24:09 (M) 74.9N; 9.9E h N 20:24:16.1(U) 74.5N; 10.0E 20:24:20 (M)
22. z	eP	21 02 49	Norwegisches Meer	H=20:57:33 (M) 20:57:29 (M)
22. z	eP	21 35 26	Gebiet der Nikobaren	75.0N; 10.2E h= 0km H=21:23:22.9(U) 6.3N; 95.2E h= 86km 21:23:13 (M) 5.4N; 95.3E
22. z	1P	21 44 24.2K	1.8/68	
z	e	44 44		
z	ePP	46 23	Arabisches Meer	14.5N; 56.6E h N H=21:35:26.0(U) 14.0N; 56.7E 21:35:23 (M)
22. z,e	eP	22 26 48	Arabisches Meer	14.4N; 56.5E h N H=22:17:49.5(U) z 26 54 h= 10km 22:17:41 (M)
22. z	eP	22 40 04		
22. z	eP	22 53 18	1.7/30	
z	e	53 49	Norwegisches Meer	72.9N; 4.9E h N H=22:48:23.8(U) 72.6N; 4.2E 22:48:26 (M)
22. z	eP	23 36 11	1.9/37 Arabisches Meer	14.4N; 56.5E h N H=23:27:13.2(U) 13.8N; 56.7E h= 15km 23:27:07 (M)
23. z	eP	00 31 34	Vor der E-Küste von Kamtschatka	53.3N; 161.1E h N H=00:20:09.8(U)
23. z	e	01 09 08	Spuren	
23. z	(P)	01 11 36	W-Küste der Türkei	40.4N; 26.2E H=01:08:08 (M) 40.5N; 26.1E h= 20km 01:08:08.5(U) 40.9N; 26.7E 01:08:14 (M)
23. z	(P)	01 16 16		
23. z	(P)	01 15 08	Washington	47.1N; 122.6W h= 46km H=01:03:42.4(U)

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23. z	1P	05 20 27.1	0.7/21	
z	i	20 36.3		
z	e	21 48	Grenzgebiet	45.9N; 82.3E h N H=05:12:16.0(U)
z,e	ePoP	22 08	Kasachische SSR - Sinkiang	45.8N; 82.2E 05:12:15 (M)
z	e	24 09		
n	e	35 42		
z,n,e,N,E	e	36 08		
n,e	e	36 25		
23. z,e	eP	08 25 28	Arabisches Meer	14.6N; 56.5E h N H=08:16:32.1(U) 13.8N; 56.5E h= 20km 08:16:25 (M)
23. z,e	1P	08 26 35.3	2.0/70	
n	e	27 32		
z,n	ePP	28 33	Arabisches Meer	14.3N; 56.5E h N H=08:17:36.2(U)
23. z	eP	08 40 20	Mindanao, Philippinen	6.4N; 123.7E h=595km H=08:27:47.0(U) z 5.9N; 123.9E 500 08:27:36 (M)
23. z	epP	42 30		
23. z	eP	10 17 00	1.7/29 Arabisches Meer	14.5N; 56.7E h N H=10:08:01.7(U) 13.6N; 56.6E 10:07:57 (M)
23. z,n,e	1P	11 27 50.4D	2.5/120	
N,E,V	ePP	t12 an0.4 ae0.9 av1.9		
z,e,N,E,V	eSKS	t12 an1.3 ae2.3 av4.0		
N,E	e(S)	90.5° MPH ₁ =6.3 MPV ₁ =6.2		
N,E	ePS	40 00	MPPH ₁ =MPPV ₁ =6.7 MLH=6.1	
N,E	eSS	44.8		
N,E,V	eIm	12 09	t19 an5.5 ae4 av6.5	
F	F	14	Nahe der Küste von Guerrero, Mexiko	16.4N; 98.9W h= 11km H=11:14:48.0(U) 17.3N; 99.0W 200-230 11:15:14 (M)
23. z	(P)	12 14 45	Arabisches Meer	14.4N; 56.7E h N H=12:05:31.8(U) 14.9N; 58.7E 12:05:41 (M)
23. z;n,e	ePKP ₁	15 00 54	1.7/59	
z	e	01 06	Tonga-Inseln	20.8S; 173.9W h= 40km H=14:41:08.5(U) 18.9S; 172.5W 14:41:09 (M)
23. z	eP1	15 11 08		
z,e	eP2	11 17	1.8/60	
z	e	11 44		
z,n,e	ePP2	13 19	Arabisches Meer	14.6N; 56.3E h N H=15:02:10.5(U) 13.6N; 56.4E 15:02:02 (M)
23. z	e(P)	15 21 06	Arabisches Meer	14.5N; 56.7E h N H=15:12:04.1(U) z 14.5N; 56.6E 15:12:04 (M)
23. z	ePP	23 06		
23. z,n,e	1Pn	16 20 35.1	550km	
e	i	21 13		
n,e	i(Sn)	21 31.7	Grenzgebiet	46.4N; 13.1E h N H=16:19:21 (B)
z,n,e	iSg	21 57.8	Italien - Österreich	46.3N; 13.1E h N 16:19:21.3(U)
23. z	ePKP	16 48 32	Gebiet der Loyalty-Inseln	21.3S; 169.7E h= 33km H=16:29:00 (I)
23. z	eP	18 54 44	Arabisches Meer	14.5N; 56.4E h= 59km H=18:45:46 (S) 18:45:49 (I)
23. z	e	20 54 15		
23. z	e	23 24 34		
24. z,n,e	e	00 13 38		
z	e	14 36		
24. z	eP	00 14 41	Arabisches Meer	14.4N; 56.4E h N H=00:05:41.9(U) 13.1N; 56.4E 00:05:35 (M)
24. z	ePKP	01 42 10	Gebiet der Loyalty-Inseln	23.0S; 170.7E h= 34km H=01:22:35 (I)
24. z	eP	01 45 52	Nepal	27.2N; 86.9E h N H=01:35:51.4(U) 27.2N; 87.2E 01:35:50 (M)



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24. z	e	03 39 33			
24. z	eP	05 39 23	Arabisches Meer	14.5N; 56.5E h N 13.2N; 56.3E	H=05:30:25.5(U) 05:30:14(U)
24. z	e(PF)	06 32 12	Provinz San Juan, Argentinien	31.5S; 69.0W h=113km	H=06:12:59.0(U)
24. z	e	10 10 54			
24. z	e	10 58 06			
24. z	e	13 12 40			
24. z	iPg iSg eL	15 17 36.1 17 53.9 18 14	Sprengung		
24. z,n,e z,n,e	iPg iSg	15 54 03.4 54 20.9	Sprengung		
24. z	e	18 18 30			
24. z	e	21 16 29	Spuren		
24. z z e e e e z	eP i e e ePoP e iScP	23 01 52 01 56.1D 0.9/280 05 31 05 47 06 56 07 20 10 19.1D 1.1/18	Peloponnes, Griechenland	37.5N; 22.6E h= 75km H=22:58:19 (B) 37.6N; 22.7E 78 22:58:18.0(U) 36.9N; 21.8E 22:58:07 (U)	
24. z bis z 25. N,E V	eP e eL eL	23 25 21 26 07 00 04 07	Vor der E-Küste von Hondo, Japan	35.9N; 142.4E h= 40km H=23:13:00.7(U) 36.4N; 142.6E 23:13:02 (U)	
25. z,n,e	e	00 54 00			
25. z	ePKP	01 03 36	Spuren, S-Shetland-Inseln	62.0S; 56.3W h N H=00:44:31.4(U)	
25. z	iPKP ₂	05 00 43.3K 0.9/25	Gebiet der Kermadec-Inseln	31.6S; 179.5E h=416km H=04:41:01.6(U)	
25. z,e	eP	05 05 03	Gebiet des Kaspischen Meeres		
25. z z	iPKP ₁ iPKP ₂	09 33 36.5 33 41	Gebiet der Fidji-Inseln	48.1N; 47.2E h= 0km H=05:00:03 (U) 20.3S; 178.2W h=587km H=09:14:55 (U)	
25. z,n,e N,E	iP eL	14 34 51.7D 1.5/42 15 07	Vor der E-Küste von Kamtschatka	51.8N; 160.0E h N H=14:23:19.9(U) 51.9N; 159.7E 40-50km 14:23:22 (U)	
25. z	e	15 46 37	Spuren, Tonga-Inseln	16.5S; 174.3W h= 29km H=15:26:33.9(U)	
25. z	e	17 39 05			
25. z z	iP i	17 49 34.7 49 39.5	1.0/17 Nahe der E-Küste von Hondo, Japan	37.9N; 141.2E h= 94km H=17:37:33.0(U) 37.8N; 141.4E 45 17:37:27 (U)	
25. z z,n,e z,n,e z	eFKIKP iPKP ₁ iPKP ₂ epPKP	21 30 48 30 52.9D 1.2/98 30 58.3K 1.2/55 33 12	Gebiet der Fidji-Inseln	20.8S; 178.8W h=605km H=21:12:13.3(U)	
25. z	iPKP ₁	23 25 37.6	1.2/31 Gebiet der Fidji-Inseln	21.5S; 176.2W h=173km H=23:06:10 (U)	

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26. z,n,e	e	03 15 03			
26. z,n,e z z	iP iPP eSP	03 26 29.3 26 55.7 27 06	1.1/40 Hondo, Japan	39.6N; 141.1E h=100km H=03:14:37.8(U) 39.8N; 141.0E 90-100 03:14:37 (M)	
26. z,e n,e z,n,e	iSn e iSg	10 37 11.1 37 25 37 37.8	Oberschlesien, Polen		(W)
26. z	eP	19 45 12	Arabisches Meer	14.6N; 56.6E h= 23km H=19:36:12.7(U) 13.6N; 56.3E 19:36:08 (M)	
27. z,z,n,e z,e	iP ePn	05 44 39.9K 1.1/145 46 10	Unterirdische Kernexplosion, Gebiet von Semipalatinsk, Kasachische SSR	50.1N; 79.2E H=05:37:00 (B) 50.0N; 79.0E h= 0km 05:36:57.3(U)	
27. z	e	07 04 21	Spuren		
27. z,n,e z z	iP e e(PF)	07 19 38.6K 1.0/52 19 56 22 49	S-lich von Hondo, Japan	33.4N; 140.8E h= 51km H=07:07:13.8(U) 33.5N; 141.0E 40 07:07:11 (M)	
27. z	e	08 00 11	Spuren		
27. z,n z,n,e	iPKIKP epPKP	08 05 46.4D 1.2/37 05 57	Gebiet der Tonga-Inseln	17.3S; 172.7W h N H=07:46:09.3(U)	
27. z z	eP e	11 38 37 38 48	1.8/28 Mittelindischer Rücken	14.2S; 66.0E h= 33km H=11:26:32 (I)	
27. z	e	17 45 48	Carlsberg-Rücken	4.8N; 62.1E h= 0km H=17:35:17.1(I)	
27. z	eP	18 49 03	Mittelindischer Rücken	12°S ; 67.3E h= 33km H=18:36:59 (I)	
27. z	eP	22 58 11	1.2/14		
27. z	ePKP ₁	23 25 53	Gebiet der Kermadec-Inseln	28.3S; 178.5W h=212km H=23:06:15.9(U)	
28. z,n,e z,n,e z z	iP ePPP ePoP eSn	02 08 09.1K 1.6/130 09 38 10 39 15 12	Mittel-Iran	33.5N; 54.9E h= 50km H=02:01:20 (B) 33.3N; 54.8E 42 02:01:17.0(U) 33.0N; 54.9E 02:01:09 (M)	
28. z,n,e z z	iP e e	02 33 38.7K 33 42 33 56	0.9/26 E-liches Mittelmeer	34.6N; 28.6E h= 45km H=02:29:11 (B) 34.7N; 28.8E h N 02:29:07.5(U) 34.3N; 28.2E 25 02:29:05 (M)	
28. z	e(P)	09 27 46	Spuren, Grenzgebiet Kaschmir - Tibet	35.7N; 79.9E h N H=09:19:01.5(U) 35.8N; 79.7E 09:18:59 (M)	
28. z	eP	10 51 51	1.1/16 Gebiet von Taiwan	24.0N; 122.4E h= 41km H=10:39:28.9(U) 24.8N; 122.7E 10:39:30 (M)	
28. z,n,e N,E,V	iPg iSg	10 52 20.6 52 22.4	10.5km Sprengung 3.75 t	51°22.3'N; 12°53.5'E	
28. z,n,e z,n,e,E,V z N,E,V N,E N,E V	iP i i ePP eS e(SS) eLm eLm F	11 15 29.2 15 33 17 24.3 17 28 22 35 26.3 34 37 13	49° MPPV _k =6.1 MPPH ₁ =MPPV ₁ =6.4 MLH=6.5 1.7/280 2.3/580 t6 an1.2 ae2.4 av3.0 Grenzgebiet Kaschmir - Tibet t19 an41 ae11 t16 av16	35.8N; 79.9E h N H=11:06:43.5(U) 35.6N; 79.9E 11:06:37 (M)	
28. z,n,e z	eP e	12 07 23 09 48	1.7/37 Grenzgebiet Kaschmir - Tibet	35.9N; 80.0E h= 31km H=11:58:34.2(U) 35.6N; 80.1E 11:58:27 (M)	

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28. z	e	17 02 27							
28. z	e	21 53 16							
29. z,n	e	01 43 02							
29. z	e	01 51 43							
29. z,e	eP	03 16 45	Grenzgebiet Kaschmir - Tibet	35.8N; 80.0E	h N	H=03:07:59,6			
z,n	i	16 48.3D		35.9N; 79.9E		03:07:57			
z,e	ePP	18 40							
N	eL	35							
29. z	e(P)	05 18 24	Spuren, Grenzgebiet Kaschmir - Tibet	35.9N; 79.7E	h N	H=05:09:29,9			
				36.8N; 80.0E		05:09:37			
29. z	eP	08 54 50	Mindoro, Philippinen	13.6N; 120.8E	h= 53km	H=08:41:53,7			
z,e	ePP	58 21		13.7N; 120.8E		08:41:51			
N,E	eL	09 34							
E,V	eL	37							
29. z	e(P)	09 02 28	Mindoro, Philippinen	13.8N; 120.9E	h= 50km	H=08:49:25,8			
				12.6N; 121.6E		08:49:16			
29. z	iP	12 12 07.8D	1.6/30	14.6N; 56.5E	h N	H=12:03:10,2			
z	ePP	14 08	Arabisches Meer	13.8N; 56.4E		12:03:05			
29. z	iPKP ₁	13 17 45.0	0.9/15						
z	ePKP ₂	17 57							
z	epPKP	19 38	S-lich der Fidschi-Inseln	25.3S; 179.9W	h=470km	H=12:58:42,4			
29. z	e	15 30 58							
29. z	ePKP ₂	15 40 53	N-Insel von Neuseeland	39.0S; 175.8E	h=110km	H=15:20:15,9			
29. z	iP	17 27 56.2	S-Hondo, Japan	34.3N; 136.5E	h=369km	H=17:16:19,0			
				34.6N; 136.6E	390	17:16:21			
29. z	eP	20 38 34	D 1.4/21						
			Vor der E-Küste von Kantschatka	51.8N; 160.0E	h N	H=20:27:03,0			
				51.7N; 160.0E	h= 60km	20:27:03			
29. z	eP	20 57 20	Vor der E-Küste von Kantschatka	52.0N; 159.9E	h N	H=20:45:50,0			
29. z	e	23 18 17							
30. z	eP	03 15 15	S-liche Provinz Sinkiang, China	36.0N; 80.1E	h= 29km	H=03:06:27,0			
z	e(P)	17 12		36.0N; 79.9E		03:06:28			
30. z,n,e,N,E,V	iP	04 33 24.1K,N,W	1.9/510 1.9/220 1.9/280						
z	iPPPP	34 01							
n,N,E,V	e(SS)	37 26	20° MPV _k =5.5 MPH _k =5.4 MLH=5.0						
N,E	eL	40.1	t18 an3.5 ae4						
N,E	eIm	41.5	t16 an4 ae3.5						
V	eIm	42.2	t15 av5	36.1N; 30.7E	h= 70km	H=04:29:01			
	F			36.2N; 30.8E	56	04:28:57,0			
				35.8N; 30.5E		04:28:52			
30. z	e	04 41 12	Golf von Antalya, Türkei						
30. z	iP	04 52 51.0D	Mongolei	43.9N; 102.7E	h N	H=04:43:04,1			
30. z	iP	07 19 48.4K	2.2/62	51.4N; 179.7E	h= 48km	H=07:08:00,1			
N,E	eIm	56	Ratten-Inseln, Aleuten	51.7N; 179.7E		07:07:59			
30. z,n,e	e	08 39 48							

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30. z	iPKP ₂	11 19 29.6	S-lich der Fidschi-Inseln	25.8S; 176.7W	h= 74km	H=10:59:25,3(U)			
30. z	e	15 06 18	Taiwan	23.9N; 121.6E	h N	H=14:53:35,7(U)			
30. z	eP	15 12 18	Unterirdische Kernexplosion, Nevada - Testort	37°06'31.87"N; 116°01'43.67"W	h= 0km	H=15:00:00,0(U)			
30. N,E	eL	15 27.2							
30. z	eP	22 17 43	D 2.0/61	14.7N; 56.1E	h N	H=22:08:47,8(U)			
z	ePP	19 45	Arabisches Meer	14.1N; 56.3E		22:08:44 (M)			
30. z	eP	23 35 30	1.3/15	18.5N; 120.9E	h= 64km	H=23:22:53,3(U)			
			Luzon, Philippinen	18.5N; 121.2E		23:22:49 (M)			
30. z,n,e	eP	23 49 28	2.4/160	14.6N; 56.6E	h N	H=23:40:30,7(U)			
bis z	ePP	51 29		14.1N; 56.5E		23:40:28 (M)			
1.5. N,E	eIm	00 13	Arabisches Meer						

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1. z,n,e	e	02 31 17			
1. z,e	eP	02 46 40	D 1.6/38	14.6N; 56.4E h= 33km H=02:37:42.9(U)	
z	opP	46 51	Arabisches Meer	14.0N; 56.4E	02:37:39
z	eFP	48 41			
1. z	eP	03 39 45			
1. z	1PKP ₁	03 40 14.6	W-lich der Macquarie-Insel	52.8S; 140.4E h= 33km H=03:20:31.6(U)	
z	e	40 19		54.4S; 143.3E	03:20:29
z,n,e,V	e	40 28			
N,E,V	eLm	04 56			
1. z	1P	08 25 35.2	1.0/17		
z	opP	25 51	Vor der E-Küste von Hondo, Japan	34.1N; 141.7E h= 49km H=08:13:08.8(U)	08:13:09
1. z	e	09 42 29	Spuren		
1. z	1P	09 54 02.3K			
1. z,n,e	ePKP	10 48 41	1.7/37		
z	e	48 52			
z	i	49 00.0	Gebiet der Tonga-Inseln	17.4S; 172.9W h= 62km H=10:29:06.5(U)	
1. z	e	15 16 37	Spuren, S-Shetland-Inseln	62.2S; 56.2W h= 33km H=14:57:20.7(U)	
1. z,n,e	1P	17 02 49.7K	1.6/54		
z,n,e	i	02 59.1	84.5° MLH=5.8		
z,e	eFP	06 04			
E	eS	13 24	Riu-kiu-Inseln	26.0N; 128.5E h= 28km H=16:50:17.5(U)	
N,E	eLm	38	t20 an3 ae2	27.0N; 128.1E	20 16:50:21
E,V	eLm	44			
1. z,n	eP	18 59 46	Fuchs-Inseln, Aleuten	52.7N; 167.0W h= 17km H=18:47:56.0(U)	
				52.9N; 167.3W	30 18:47:58
1. z	eP	19 13 24	Fuchs-Inseln, Aleuten	53.3N; 167.4W h= 33km H=19:01:40.7(U)	
				52.6N; 167.3W	19:01:36
1. z,n	e	21 20 56			
z,n,e	e	22 24			
1. z	e	21 29 58	Spuren		
1. N,E,V	eLm	22 05	Mindoro, Philippinen		
2. z	1PKP ₁	00 02 09.8D	1.0/21		
z	1PKP ₂	02 13.3			
2. z	e	02 06 19			
z	e	09 10			
2. z,n,e	e	08 43 21			
z	e	43 39			
2. z,n,e	eSg	11 16 41			
2. z,n,e	1Sg	15 39 39.7	Schwäbische Alb ?		
2. z	ePKP	17 14 19	Gebiet von Neu-Britannien	6.2S; 151.3E h= 18km H=16:55:23.4(U)	
3. z	eFKIKP	01 37 04			
z	1PKP ₁	37 06.7	1.1/38		
3. z	e	02 09 13			
3. z	eP	03 19 37	W-Küste des Peloponnes	37.7N; 21.3E	H=03:16:05

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3. z	e	03 52 31			
3. z	1P	05 27 08.3	1.1/32		
z	opP	28 33	Ochotskisches Meer	46.9N; 145.1E h= 367km H=05:16:11.5(U)	
z				46.9N; 145.2E	380 05:16:13 (M)
3. z,e	e	06 37 14			
3. z	1P	06 58 14.8	1.0/16		
z	eFP	07 02 11	Marianen	18.7N; 146.4E h= 65km H=06:44:39.1(U)	
				18.5N; 146.6E	06:44:34 (M)
3. z	eP	07 18 51	Gebiet der Kurilen	43.1N; 148.0E h= 33km H=07:06:53.2(U)	
z	e	19 03			
z	e	19 11			
3. z	e	08 36 13			
3. z	eP	16 59 06	1.3/19		
z	e	59 18			
N,E	eL	17 34	Riu-kiu-Inseln	25.9N; 128.1E h= 58km H=16:46:40.4(U)	
				26.6N; 128.4E	16:46:38 (M)
3. z	ePKP	17 12 18			
3. z	1P	17 17 39.9	1.0/17		
z	eFP	21 07			
N,E	eL	53	Riu-kiu-Inseln	25.9N; 128.1E h= 63km H=17:05:12.8(U)	
E,V	eL	59		27.1N; 127.9E	17:05:15 (M)
3. z	eP	17 31 06	1.0/13		
z	e	31 19	Riu-kiu-Inseln	26.1N; 128.4E h= 44km H=17:18:36.7(U)	
				26.5N; 128.5E	17:18:37 (M)
3. z	1P	18 41 34.3	1.2/28		
N,E	eL	19 16			
V	eL	25	Riu-kiu-Inseln	26.1N; 128.6E h= 23km H=18:29:01.5(U)	
				26.9N; 128.2E	18:29:08 (M)
3. z	ePg	23 46 43	290km Kollerschlag, nördliches Mühlviertel, Oberösterreich	48.6N; 13.9E	H=23:45:52 (W) (B)
z	i	47 11.9			
z,n,e	1Sg	47 17.9			
4. z	eP	02 30 32	Riu-kiu-Inseln	26.0N; 128.5E h= 37km H=02:18:01.9(U)	
z	e	30 41		26.5N; 128.1E	02:18:04 (M)
4. z	eP	03 53 18			
4. z	eP	06 42 08			
4. z	eP	07 44 34	Spuren, S-lich von Hondo, Japan	32.9N; 138.0E h= 338km H=07:32:44.4(U)	
4. z	eP	08 00 31	Grenzgebiet Kaschmir - Tibet	35.9N; 79.8E h= 33km H=07:51:47.0(U)	
4. z,n,e,V	1P	09 44 14.3K	1.2/170		
z,n,e,V	1P	44 20.5K	1.4/350		
z,n,e	eS	54 23	81° MLH=6.0		
n	e	54 32			
e	e	54 48	Vor der E-Küste von Hondo, Japan	37.1N; 142.1E h= 23km H=09:31:59.2(U)	
				37.6N; 142.0E	09:32:02 (M)
N,E	eL	10 17	t16 an3.5 ae4		
N,E,V	eLm	21	t16 an4.5 ae3.5 av3.5		
V	eL	23	t16		
	F	11 30	av6		
4. z	1P	09 52 21.3D	1.1/15		
			Vor der E-Küste von Hondo, Japan	37.2N; 142.0E h= 40km H=09:40:07.7(U)	
					(W)
4. z,n,e	eSg	11 24 39	Schwarzwald		
4. z	eP	12 21 20	Vor der E-Küste von Hondo, Japan	37.1N; 142.2E h= 27km H=12:09:04.5(U)	
z	e	21 31			

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4. z	eP	13 10 03	Nahe der E-Küste von Hondo, Japan	40.0N; 142.1E h= 67km H=12:58:06.3(U)
4. z	e	20 29 25		
4. z	IP	21 30 34.5		
4. z	1FKP ₁ eFKP ₂	21 38 13.8D 38 19	1.3/46 1.4/23 Gebiet der Fidschi-Inseln	20.7S; 178.3W h=560km H=21:19:30.1(U)
5. z	1FKP ₁ e	02 36 18.7 37 18	1.3/19 Tonga-Inseln	17.1S; 173.8W h= 27km H=02:16:40.8(U)
5. z	e	03 07 59		
5. z	eP	03 24 16	1.2/22	
5. z	eP	04 29 08	Zaire	10.5S; 27.5E h= 33km H=04:18:43.5(U)
5. z, e z, n, E, V z e z, E n, e, N, E, V e n E N, E V	eP 1 1 eFP ePPP eS eFSS e e(SS) eLm eLm F	05 28 46 28 49.7 29 10.4 31 05 32 15 36 56 37 22 37 30 41.4 51 58	2.2/89 2.1/330 59° MIH=6.5 Provinz Tsinghai, China t18 an27 ac7.5 t17 av28	33.1N; 92.9E h= 33km H=05:18:49.3(U) 33.4N; 92.9E 05:18:47 (M)
5. z	e	10 04 30		
5. z, n, e	e	10 55 18		
5. z	eP	15 41 30		
5. z	eP	15 50 31	Norwegisches Meer	71 1/2N; 7 1/2E H=15:45:58 (M)
5. n e z, n	e e e	16 59 51 17 00 12 00 22		
5. z	eP	19 36 32	1.5/22 Grenzgebiet Kaschmir - Tibet	35.9N; 79.9E h= 22km H=19:27:44.5(U) 35.8N; 80.0E 19:27:40 (M)
5. z	eP e	19 55 07 55 45	S-Iran	27 1/4N; 55 3/4E H=19:47:30 (M) 28.3N; 55.7E h= 50km 19:47:42.2(U) 27.1N; 55.5E 19:47:33 (M)
5. z, e z, n, e, V z, n, e z z, V z z, n z, V z z z E N	ePKIKP 1FKP ₁ 1(FKP ₂) ePKP ₁ 1 e 1 ePKS 1FP e 1 ePPP ePKJKP eSS eLm	20 47 45 47 50.8D 47 56 48 15 48 22.8 48 29 48 35.4 51 19 51 35.0 51 52 52 30.1 54 54 57 33 21 10 40 50	1.6/41 1.4/370 1.2/145 151° h= 85km Mc=5.8 S-lich der Fidschi-Inseln 23.08; 176.2W h= 90km H=20:28:08.3(U) 22.6S; 175.8W 70 20:28:07 (M)	
5. z	e	21 32 27		
5. z	e	23 24 34	Bergschlag Oberschlesien, Polen	
6. z	e	00 00 11		

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6. z	e	00 30 53	Spuren	
6. z	eP	10 21 25	S-lich von Hondo, Japan	31.0N; 141.8E h= 18km H=10:08:41.2(U) 31.7N; 141.6E 10:08:48 (M)
6. z, n, e, N, E, V z, n z z, E, V z, n, e, N, E, V N, E N, E V	1P e e eFP e(SKS) eSS eLm eLm	10 31 01.8 31 19 31 34 34 21 41 34 47.2 11 11 18	1.5/150 86.5° MSH ₁ =MIH=6.4 S-lich von Hondo, Japan t11 an3.1 ac4.0 t14 an9 ac6 t15 av5.5	31.0N; 141.8E h= 33km H=10:18:20.6(U) 31.3N; 141.6E 10:18:23 (M)
6. z, e n, e	e e	11 09 17 09 35		
6. z	eP	17 41 20	Kurilen	45.0N; 148.2E h= 37km H=17:29:32.4(U)
6. z	e	23 34 33		
6. z	eP	23 38 06	E-licher Golf von Aden	13.3N; 50.8E h= 33km H=23:29:22.5(U) 12.1N; 51.2E 23:29:15 (M)
7. z	e	00 58 33	Spuren	
7. z	e	04 29 18		
7. z	1P e	07 51 24.7 51 29		
7. z	eP	10 45 52		
7. z z	1FKP ₁ 1FKP ₂	14 04 12.9K 04 20.3	1.0/13 S-lich der Fidschi-Inseln	22.2S; 179.2E h=619km H=13:45:32.5(U)
7. z	e	15 22 18		
7. z	e	17 45 55		
7. z, n, e	eSg	20 52 28	Bergschlag Oberschlesien, Polen	(P)
7. z	e	21 33 56	Spuren	
8. z	1FKP ₁	01 15 40.8	1.0/13 Gebiet der Fidschi-Inseln	20.1S; 177.8W h=366km H=00:56:38.2(U)
8. z, n, e n z, n, e	1Pg 1 1Sg	01 31 36.3 31 42.8 31 51.1	130km Bergschlag Nordhars	
8. z	e	02 29 56		
8. z	eP	10 38 52	Spuren, Andreanow-Inseln, Aleuten	50.3N; 179.8W h= 33km H=10:26:55.0(U) 50.2N; 180° 10:26:53 (M)
8. z	e	12 05 13	Grenzgebiet Kaschmir - Tibet	32.4N; 78.5E h= 33km H=11:56:07.0(U) 32.5N; 78.5E 11:56:07 (M)
8. z z	1Pg 1Sg	14 05 30.4 05 31.8	10.5km Sprengung 1.8 t	51°22.3'N; 12°53.5'E
8. z	eP	19 25 12	Sumatra	2.2N; 101.1E H=19:12:28 (M)
8. z	e	20 48 07		
8. z, n, e	1PKP	20 54 08.8K	1.3/120 Gebiet der Loyalty-Inseln	21.9S; 170.5E h= 83km H=20:34:37.9(U) 21.6S; 170.0E 20:34:34 (M)

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9. z,n,e	e	00 01 06			
9. z	IP ePP	04 24 43.6D 28 27	1.4/26 S-Sumatra	4.68;102.1E h= 34km H=04:11:31.0(U) 4.58;102.1E 50 04:11:34	
9. z,n	e	05 21 07			
9. z	eP	12 53 24	Grenzgebiet Türkei - Iran	38.2N; 44.6E H=12:47:53	
9. z,n,e	eL	16 14 20 14 52			
9. z,e	eP	18 08 40	Iran	30.2N; 52.0E h= 57km H=18:01:45.6(U) 29.9N; 52.1E 18:01:41	
9. z,e	ePP	09 55 10 08			
9. z	e	10 13			
9. z,n,e	eL	24			
9. z,V	ePKKP	18 54 57	K 1.6/49		
9. z,n,e	ePKP ₁ IPKP ₂	55 11 55 36.8D	1.6/125		
9. z,n	IPKP ₂	55 50.2	159° Mo=5.6 MIH=5.8		
9. z,V	ePP	59 15	S-lich der Kermadec-Inseln	32.78;179.3W h= 47km H=18:35:05.1(U) 32.98;179.7W 18:35:02	
9. z	e	19 10.1			
9. z,n,e	eLm	20 04	t22 an1 ae1.5 av1.5		
10. z,n,e	e	02 18 17			
10. z	e	02 52 50	Spuren		
10. z	e	09 40 01			
10. z,N,E,V	eP	14 42 43	116.5° MIH=7.8		
10. z	e	43 44			
10. z,e	e	44 14			
10. z,n,e,E,V	ePKP	46 23	2.2/180		
10. z	e	46 46			
10. z	e	47 22			
10. z,N,E	ePP	47 35	Naher der Küste von	38.2S; 73.2W h= 6km H=14:27:38.7(U) 38.8S; 74.3W 14:27:41	
10. z,e,V	e	47 44	Mittelchile		
10. z	e	48 12.4			
10. z,N,E	e(PFP)	50 16			
10. z,n,e,N,E	eSKS	53 15			
10. z	eSKKS	54.8			
10. z	eSdiff	55.7			
10. z,N,E	ePS	57.4			
10. z	e	15 05 50			
10. z	e(SSSS)	11 14			
10. z,N,E,V	eLm	35	t20 an130 ae(145) av(180)		
10. z	F	20			
10. z	e(P)	15 29 42			
10. z	eP	16 26 26 27 07			
10. z	e(P)	16 39 08			
10. z	e(P)	16 46 13			
10. z	eP	22 48 51			
11. z	e	02 29 40			
11. z	IP	02 36 35.4	1.4/18		
11. z	IP	36 51.0			
11. z	eL	03 12	Riu-kiu-Inseln	27.8N;130.8E h= 33km H=02:24:05.4(U)	
11. z	eP	03 20 19			
11. z	i	20 31.8D	0.9/15		

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1. z	IP	07 08 20.6	75° MIH=6.1		
1. z,n,e	i	08 22.2K			
1. z,n,e,N,V	IPm	08 24.0	1.6/370		
1. z	e(PFP)	13 15			
1. z	eS	18 12	Kurilen	49.3N;156.2E h= 58km H=06:56:45.1(U) 49.6N;155.7E 55 06:56:47 (M)	
1. z	e(SSS)	27.0			
1. z	eLm	43	t19 an5.5 ae7		
1. z	eLm	47	t17 av8		
1. z	F	09			
11. z,n	IP	07 23 22.9D	1.3/22		
11. z	e	23 30	Kurilen	49.3N;156.1E h= 23km H=07:11:42.3(U) 49.4N;155.8E 07:11:44 (M)	
11. z	e(PKP)	07 47 38	Santa-Cruz-Inseln	11.0S;165.4E h= 34km H=07:28:41.2(U)	
11. z	epPKP	08 27 52	Gebiet der Tonga-Inseln	23.18;175.3W h= 64km H=08:07:53.0(U)	
11. z,e	e	09 05 22			
11. z	e	10 41 00	Spuren		
11. z	e	10 43 10	Spuren		
11. z	eP	14 28 34	Gebiet der Philippinen	19.9N;121.3E h= 50km H=14:16:00.4(U) 19.8N;121.6E 14:15:58 (M)	
11. z	e	28 47			
11. z,n,e	IP	20 33 30.6D	1.4/34		
11. z,n,e	e		Kurilen	49.3N;156.2E h= 45km H=20:21:52.8(U) 49.3N;155.9E 20:21:52 (M)	
11. z,n,e	eP	20 46 53	1.3/56		
11. z	e	47 02			
11. z	epP	47 08			
11. z,N,E,V	eLm	21 24	Kurilen	49.2N;156.2E h= 40km H=20:35:15.4(U) 49.3N;156.0E 20:35:15 (M)	
11. z	IP	23 15 33.1	1.1/17		
11. z	e		E-lich des Peloponnes, Griechenland	37.3N; 23.8E h= 42km H=23:11:44 (B) 37.4N; 23.8E h= 42km 23:11:47.7(U) 34.8N; 22.4E 23:11:23 (M)	
12. z	eP	00 02 31	Riu-kiu-Inseln	27.8N;130.9E h= 33km H=23:50:00.9(U)	
12. z	e	03 24 50	Spuren		
12. z	e	08 23 09			
12. z,n,e	IP	08 42 56.7D	1.3/54		
12. z	e	45 27	Kurilen	49.3N;156.3E h= 43km H=08:31:18.2(U) 49.3N;156.2E 55 08:31:19 (M)	
12. z,n,e	IP	10 23 30.6K	1.4/200		
12. z	IP	23 43.4K	Kurilen	49.2N;156.2E h= 46km H=10:11:52.8(U) 49.4N;156.1E 10:11:52 (M)	
12. z	eLm	58	t17 an1.5 ae1.5		
12. z	eLm	11 02	t17 av2		
12. z	IPKP ₁ epPKP	11 05 53.9D 06 48	Gebiet der Fidsohi-Inseln	20.48;176.0W h=196km H=10:46:30.1(U)	
12. z	eP	11 54 44	0.9/18		
12. z	e		Kurilen	49.2N;156.2E h= 45km H=11:43:06.9(U) 49.2N;156.2E 11:43:04 (M)	
12. z	e(P)	11 59 01	S-liche Provinz Sinkiang, China	41.6N; 81.8E h= 33km H=11:50:29.6(U)	
12. z	e	15 22 09			
12. z	e	15 23 47			
12. z	e	16 58 34			

Date	Time	Location	Coordinates	Depth (h)	Magnitude	Category	Notes
12. Mai 1975	19 28 13					e	
12. z	19 30 50	Gebiet von Island	62.1N; 26.5W	h= 33km	H=19:25:38.2(U)	eP	
12. z	21 09 30					e	
12. z	00 26 24	Mittelgriechenland	38.2N; 22.8E			e(P)	
13. z,n,e	31 16		38.2N; 22.6E	h= 36km	H=00:22:52	eL	
13. z	02 21 58		37.9N; 22.2E		H=00:22:51.2	e	
13. z	06 48 11.7D	Gebiet der Marianen	21.6N; 143.0E	h=288km	H=06:35:20.5	IP	
13. z	52 07		21.7N; 143.2E	300	H=06:35:12.2	ePP	
13. z,n,e	08 55 06					e	
13. z,n,e	09 53 49	D 1.7/62				ePKP ₁	
13. z,n,e	54 00.0	Tonga-Inseln	21.4S; 174.2W	h= 25km	H=09:34:00.7	ipPKP ₁	
13. z	12 34 20	Provinz Tsinghai, China	33.2N; 92.7E	h= 33km	H=12:24:27.6	eP	
13. z	57		33.2N; 92.7E		H=12:24:24	eL	
13. z,n,e	13 42 54	Bergschlag Oberschlesien, Polen				e	
13. z	15 41 58.1					i	
13. z	16 26 25	Spuren				e	
13. z,n,e	19 53 14					e	
13. z,n,e	19 54 34					e	
13. z	21 26 26.3K	Gebiet der Samoa-Inseln	16.8S; 171.9W	h= 34km	H=21:06:50.4	IPKP	
13. z,n,e	21 32 40	2.0/61				eP	
13. z,n,e	36 19.4	103.5° MIH=6.5				i	
13. z,n,e	37 02					ePP	
13. z,n,e	37 16					e	
13. z,n,e	39 34	Molukkenstraße	1.0N; 126.1E	h= 36km	H=21:18:41.3	e	
13. z,n,e	42 54		1.6N; 125.8E		H=21:18:45	e	
13. z,n,e	43 15					eSES	
13. z,n,e	44 30					eS	
13. z,n,e	46 33					e	
13. z,n,e	49 01.5D					IPKKP	
13. z,n,e	50 13					e	
13. z,n,e	52 58					ePcPKP	
13. z,n,e	56					e(SSS)	
13. z,n,e	22 22	t20 an6.5 ae10.5 av11				eLm	
13. z	22 19 36	Mittelgriechenland	38.4N; 23.0E	h= 45km	H=22:16:07	e(P)	
14. z	02 35 43	Gebiet der Fidschi-Inseln	16.9S; 177.4W	h=445km	H=02:16:58.2	ePKP	
14. z	04 54 18.2	1.1/22				IPKP ₁	
14. z	07 29 38.3D	S-lich der Fidschi-Inseln	24.9S; 179.5E	h=584km	H=04:35:27.9	IP	
14. z	08 55 59					e	
14. z,n,e	09 29 25					e	
14. z	09 42 49	Spuren				e	
14. z	09 52 10					eP	
14. Mai 1975							
4. z,n,e	09 58 56.4D	1.7/41				IPKP ₁	
4. z	59 05	Tonga-Inseln				e(PKP ₂)	21.9S; 174.9W h= 33km H=09:39:07.3(U)
4. z	11 53 21	Kurilen	47.1N; 151.1E	h=174km	H=11:41:55.2(U)	eP	
4. z	54 07		47.2N; 151.0E	180	H=11:41:56 (M)	ePP	
4. z,n,e	12 48 51	Bergschlag Oberschlesien, Polen				e	(P)
4. z,n,e,V	14 12 18.4K	1.2/140 1.3/50 1.3/61				IP	
4. z	15 20					ePP	
4. z	38 57	Unterirdische Kernexplosion, 37°13'14.79"N; 116°28'26.98"W				ePKP	
4. z	51	Nevada - Testort				eLm	h= 0km H=14:00:00.4(U)
4. z,n,e	17 18 57					e	
4. z,n,e	22 30 58.1D	1.5/54				IP	
4. z,n,e	31 20.8D					ipP	
4. z,n,e	31 32.2					isP	
4. z,n,e	31 56.2	43° h=100km				i	
4. z,n,e	32 47					e(PcP)	
4. z,n,e	33 00					e	
4. z,n,e	33 38.6	Gebiet des Hindukusch	36.1N; 70.9E	h= 99km	H=22:23:02.8(U)	i(PPPP)	
4. z,n,e	37 16		35.8N; 71.0E	70	H=22:22:58 (M)	eS	
4. z,n,e	40 21					e	
4. z,n,e	40 39					e(SS)	
4. z,n,e	50.0					e	
4. z,n,e	52.7					e	
15. z,n,e	08 54 18.9D	1.3/58				IPKP	
15. z	54 22					e	
15. z	56 31	Gebiet der Fidschi-Inseln	17.5S; 178.7W	h=529km	H=08:35:40.5(U)	ePKP	
15. z,n,e	10 50 58	Bergschlag Oberschlesien, Polen				e	(P)
15. z,n,e	14 58 13	(?)				ePg	
15. z,n,e	58 47					eSg	
15. z	16 13 02.7	Gebiet der Fidschi-Inseln	17.8S; 178.9W	h=598km	H=15:54:30.2(U)	IPKP ₁	
15. z	18 52 22					ePKIP	
15. z,n,e	52 23.5	1.1/140				IPKP ₁	
15. z	54 57					ePKP	
15. z	55 47	Gebiet der Fidschi-Inseln	18.1S; 177.9W	h=634km	H=18:33:52.6(U)	ePP	
15. z,n,e	56 32		19.8S; 177.3W		H=18:32:37 (M)	e(PKS)	
15. z	20 07 08	Spuren				e	
15. z	21 10 09	Piemont, Italien	44.8N; 7.8E	h= 39km	H=21:05:57 (B)	eSg	
15. z	44.8N; 7.7E						H=21:05:59.2(U)
15. z	21 19 04.7	1.0/16				IP	
15. z,e	19 36	Gebiet der Andamanen	12.1N; 93.7E	h=103km	H=21:07:34.4(U)	e	
15. z,n,e	11.9N; 93.9E		90				H=21:07:31 (M)
15. z,n,e	23 37 35					e	
16. z,n,e,V	01 25 52.1K	1.6/96				IP	
16. z	25 59.2	E-liches Japanisches Meer	41.3N; 136.1E	h= 2km	H=01:14:05.7(U)	i	
16. z	26 22		41.7N; 136.0E	20	H=01:14:11 (M)	e	
16. z,n,e	02 06	t11 an1 ae1 av1				eLm	
16. z,n,e	02 02 25					e	
16. z,e	02 35 48	1.2/14				eP	
16. z	36 02					e	
16. z	36 37	29° MIH=5.0				e	
16. z	36 44					ePP	
16. z	37 06	N-atlantischer Rücken	43.8N; 29.3/4W	h= 33km	H=02:29:43 (B)	ePPPP	
16. z	40 40		43.8N; 28.9W		H=02:29:51.1(U)	eS	
16. z	45	t12 an2 ae1.5 av1	44.1N; 28.8W		H=02:29:48 (M)	eLm	
16. z	03 13 32					e	



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Date	Time	Location	Coordinates	Depth	Magnitude	Notes
16. N,E	04 05	N-atlantischer Rücken				
16. z,n,e	08 09	Gebiet der Insel Unimak	54.1N; 163.1W	h=9km	1.0/38	
16. z,n,e	10 04		54.6N; 163.6W		75°	
16. z,n	08 51	105km Sprengung	50.59°N; 13.83°E			
16. z,n,e	09 05	10.5km Sprengung 5.275 t	51°22.3'N; 12°53.5'E			
16. z	10 44					
16. z,n,e,E,V	10 49					
16. z	14 32					
16. z,n,e	16 59	Spuren Sprengung				
16. z	17 32	N-lich der Azoren, N-atlantischer Rücken	44.0N; 29°2'W	H=17:26:38		
16. z,n,e	19 42	640km	43.6N; 28.9W	h=28km		
16. z,n,e	43 52	Slowenien, Jugoslawien	45.6N; 14.4E	H=19:41:22		
16. z,n	20 17		45.5N; 14.4E	h=17km		
17. z,n	00 44					
17. z,n	04 13					
17. z,n,e	12 02	Agram, Jugoslawien				
17. z,n,e	16 26	1.4/34				
17. z,n,e	27 12	41°				
17. z	22 10	S-Iran	28.0N; 57.6E	h=105km		
17. z,n,e	23 02		27.5N; 57.7E	33		
17. z	23 04		27.1N; 57.7E			
18. z	01 23	640km				
18. z	24 11	Slowenien, Jugoslawien	45.6N; 14.6E	h=10km		
18. z	02 00		45.5N; 14.4E			
18. z,n,e	06 31					
18. z,n,e	08 57					

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3. z,n,e	09 17					
3. z,n,e	09 32	Steirisches Ennstal				(W)
3. z,n,e	11 25					
3. z,n,e	14 52	1.3/14 S-Iran				27.0N; 58.2E H=14:44:24 (B)
3. z,n,e	15 53	28.6K 1.6/67				27.0N; 57.8E H=14:44:26 (M)
3. z,n,e	16 02	65° h=120km				
3. z,n,e	16 02	Zentralalaska				63.2N; 150.3W h=106km H=15:42:59.1(U)
3. z,n,e	16 38	01.1K				63.0N; 149.8W 110 15:42:57 (M)
3. z,n,e	17 07	D Vor der Küste von S-Chile				45.7E; 76.5W h=33km H=16:48:38.3(U)
3. z,n,e	17 59	Spuren, Grenzgebiet Afghanistan - UdSSR				46.2S; 78.1W 16:48:38 (M)
3. z,n,e	18 18	Spuren				36.1N; 71.1E h=94km H=17:51:30.3(U)
3. z,n,e	19 49	Spuren, S-lich der Kermadec-Inseln				36.3N; 71.1E 100 17:51:33 (M)
3. z,n,e	22 45	1.6/135 Kurilen				44.4N; 147.8E h=100km H=22:34:17.3(U)
3. z,n,e	23 15					45.3N; 147.4E 100 22:34:22 (M)
3. z,n,e	00 13	149° MLI=5.7				
3. z,n,e	01 27	Tonga-Inseln				21.0S; 174.0W h=43km H=23:53:53.8(U)
3. z,n,e	02 30	t19 an0.5 ae1.5 av1				20.8S; 174.4W 23:53:50 (M)
3. z,n,e	00 46	Toskanischer Apennin, Italien				44.6N; 10.5E H=00:43:11 (B)
3. z,n,e	01 58					44.7N; 10.5E h=33km 00:43:11.3(U)
3. z,n,e	03 29	14.5° MLI=4.4				
3. z,n,e	03 30	Mittelgriechenland				38.4N; 22.4E h=40km H=03:26:24 (B)
3. z,n,e	03 35	t9 an1 ae1 av1.5				38.4N; 22.3E 16 03:26:19.0(U)
3. z,n,e	07 54	Riu-kiu-Inseln				38.5N; 22.3E 03:26:22 (M)
3. z,n,e	08 08	1.0/17 Arabisches Meer				29.3N; 130.3E h=29km H=07:42:10.5(U)
3. z,n,e	08 49					21.1N; 61.8E h=33km H=08:00:00.1(U)
3. z,n,e	08 50					21.1N; 61.7E 08:00:01 (M)
3. z,n,e	11 35	750km				
3. z,n,e	11 36	Emilien, Italien				44.7N; 10.8E H=11:33:22 (B)
3. z,n,e	11 37					44.4N; 10.8E h=33km 11:33:21.0(U)
3. z,n,e	17 32					

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19. z, e z, n, e z z, e, E E N, E N, E N, E, V	eP i ePaP ePP eS eSS eIm e	19 56 39 56 43.3D 1.7/100 58 03 50° MIH=5.6 58 42 20 03 52 07.5 16 19	Grenzgebiet Kaschmir - Tibet t19 an6 ae2	35.2N; 80.8E h= 26km H=19:47:44.8 35.2N; 80.8E H=19:47:42
19. z	e	20 35 11		
19. z, n, e z, n	iP i	22 53 52.4K 1.3/150 1.3/55 1.0/32 53 56.3	Gebiet der Kurilen	49.7N; 157.4E h= 57km H=22:42:17.4 49.9N; 157.2E h= 60 H=22:42:18
19. z z	e eL	23 28 54 32 30	Nahe Korfu, Ionisches Meer	39.5N; 19.8E h= 46km H=23:25:38 39.6N; 19.8E h= 46km H=23:25:40
19. z	iPKP	23 36 08.8K		
19. z z	iPKP ₁ iPKP ₂	23 37 08.0D 0.8/17 37 12.9		
20. z	i	00 29 13.4D		
20. z	e	00 51 26	Spuren	
20. z	iP	01 16 41.3D	Nahe der E-Küste von Kamschatka	52.3N; 158.6E h= 10km H=01:05:11.8
20. z, n z z, n, e	e(Pg) eSn eSg	14 17 26 18 16 19 38	1170km S-Italien	41.0N; 15.6E h= 33km H=14:14:00 41.1N; 15.3E h= 33km H=14:13:57
20. z z, n, e z z z z z z z	ePKIKP iPKP ₁ i iPKP ₂ i e epPKP iSKP e	14 50 56 51 05.5D 1.1/240 51 07.5 51 15.9 1.3/120 51 18.2 51 46 52 40 152.5° h=380km 53 46.8 54 42	S-lich der Fidshi-Inseln	25.1S; 179.0W h=362km H=14:31:50.4 25.2S; 178.6W h= 230 H=14:31:35
20. z	eP	15 53 34	Mindanao, Philippinen	9.7N; 126.2E h= 68km H=15:40:10.8 9.8N; 126.6E h= 68km H=15:40:06
20. z	ePKP	20 00 07	Tonga-Inseln	15.18; 173.3W h= 2km H=19:40:28.4
20. z z	iPKP ₂ e	21 41 06.2D 0.8/17 45 02	Kermadec-Inseln	30.2S; 178.0W h= 51km H=21:20:42.1
20. z z	e e	21 50 37 53 18	Gebiet der Sumbawa-Insel	9.6S; 118.9E h= 62km H=21:33:10.4 9.4S; 118.9E h= 62km H=21:33:08
20. z	e	22 14 47		
21. z z	e e	00 33 39 35 16		
21. z, n, e z z z z, e N, E E	iP e e e e(P) e(PFS) eL eL	03 27 02.3D 1.3/39 27 13 27 50 29 44 36 37 54.2 59.1	Grenzgebiet Burma - Indien	23.9N; 94.1E h= 72km H=03:16:20.4 23.3N; 94.3E h= 50 H=03:16:15
21. z	ePKP	03 52 20	1.3/18	
21. z z, n, e	e eSg	04 12 56 14 12	N-Italien	45.8N; 8.9E h= 16km H=04:10:47 45.7N; 9.1E h= 16km H=04:10:44

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21. z, n, e	e	04 19 37		
21. z z, n	eP i	06 45 49 45 55.8D 1.4/32	S-Alaska	60.2N; 147.6W h= 35km H=06:34:54.9(U) 60.8N; 146.9W h= 15 H=06:34:57 (M)
21. z, n, e z z	iP e e(P)	07 00 19.6D 1.4/120 00 45 03 33	Nahe der S-Küste von S-Hondo	33.2N; 136.6E h=392km H=06:48:39.6(U) 33.7N; 136.3E h= 430 H=06:48:46 (M)
21. z, n, e	e	08 13 37		
21. z, n, e z, n, e	iPg iSg	12 01 02.6 210km 01 27.5	Sprengung, SE-lich von Prag, CSSR	(W)
21. z	iPKP ₁	14 48 01.0D 0.9/17	Gebiet der Fidshi-Inseln	17.7S; 178.3W h=590km H=14:29:27.6(U)
21. z	e	14 52 39		
21. z	eP	17 34 06	Tadschikische SSR	37.8N; 72.3E h=126km H=17:26:16.6(U) 37.8N; 72.2E h= 120 H=17:26:17 (M)
21. z	e(P)	18 32 45	Nahe der E-Küste von Kamschatka	56.2N; 162.6E h= 59km H=18:21:44.5(U) 56.2N; 163.3E h= 59km H=18:21:39 (M)
21. z	e	19 02 07	Spuren	
21. z	e	22 39 23	Spuren	
22. n, e z, e	e e	00 23 56 24 06		
22. z	e	01 53 57		
22. z, n, e	e	07 26 56		
22. z	e	09 51 35	Spuren	
22. z z	e e	10 54 20 55 02		
22. n z z n, e z	e ePg eSb ₁ eSg e	12 36 25 36 34 37 11 37 20 37 24	Bergschlag Oberschlesien, Polen	(P)
22. z	e	13 37 09		
22. z	e	14 23 32		
22. z, n, e	e	16 23 44		
22. z, n	e	23 04 47		
23. z z	ePKP ₁ epPKP	02 44 14 46 44	1.0/15 Gebiet der Fidshi-Inseln	20.7S; 179.2W h=663km H=02:25:41.1(U)
23. z, n, e z	iPKP ₁ e	06 22 01.7 1.1/22 22 36	Tonga-Inseln	20.8S; 173.8W h= 33km H=06:02:16.0(U)
23. z, n, e z, n, e	iPg i(Sg)	10 00 25.9 165km 00 44.4	Sprengung	49.83°N; 13.17°E (O)
23. z, n, e	e	11 23 10		



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23. z	IP	12 15 48.1	1.0/17	Vor der Küste von Hokkaido, Japan	42.8N; 146.0E h= 75km H=12:03:17.7
23. z,n,e	IPG 1 ISG 1	13 00 04.8 00 06.1 00 08.2 00 10.0	Sprengung		
23. z	eP e	15 24 05 26 11	1.8/40	Gebiet der Königin-Charlotte-Inseln	51.3N; 131.2W h= 33km H=15:12:33.2 51.7N; 131.6W 15:12:32
23. z	IP IP ePP	15 56 25.1K 56 35.8 59 45	1.5/47	Gebiet von Taiwan	22.8N; 122.6E h= 25km H=15:43:55.3 23.0N; 122.6E 15:43:58
23. z,n,e,N,E,V	IP i ePP eSKS ePFS e(SS) ePKKP eSSSS ePKPKP ePKPKS eL eLm eL F	16 14 21.6D 14 31.9D 17 33 24 42 25 50 30 40 32 38 36 40 40 40 44 03 48 55 56 18 30	1.9/380 84° MSH=6.3 MIH=6.9 t14 an3.2 ae2.2 Gebiet von Taiwan t20 an33.5 ae20 t21 an39.5 ae39.5 t16 av18.5		22.7N; 122.6E h= 6km H=16:01:49.2 23.0N; 122.7E 16:01:54
23. z,e	e	16 53 25			
23. z	e	19 45 25	Spuren		
23. z	e	20 34 41			
23. z	e	22 01 14			
23. z bis N,E 24.	e eLm	23 29 36 00 09	Mindoro, Philippinen		13.6N; 120.9E h= 41km H=23:16:12.1 14.1N; 120.8E 23:16:14
24. z	IP	01 07 30.1	0.9/15	Gebiet von Taiwan	25.0N; 122.8E h=133km H=00:55:22.3 24.9N; 122.9E 00:55:10
24. z,n,e,V	IPKP epPKP e e N,E eLm	02 13 27.5 13 39 14 39 17 46 03 22	2.0/120	Tonga-Inseln	20.9S; 173.8W h= 19km H=01:53:38.0 20.3S; 175.3W 01:53:46
24. z	e(P)	02 45 08		N-atlantischer Rücken	34.5N; 37.0W h= 33km H=02:37:39.2
24. z	ePKP e e	06 14 03 14 15 14 34	1.6/69	Tonga-Inseln	20.8S; 173.9W h= 33km H=05:54:16.1
24. z	IPKP ePP	10 56 39.1K 11 00 07	1.1/88	Tonga-Inseln	18.2S; 174.3W h= 55km H=10:37:03.2
24. z	e	21 25 05	Spuren		
24. z	IP	22 07 44.8D	2.1/50	Arabisches Meer	14.4N; 56.2E h= 33km H=21:58:14.7 13.8N; 56.3E 21:58:12
24. z	IP	22 23 58.4D	1.0/22	Kurilen	45.0N; 149.3E h= 74km H=22:12:12.5 44.8N; 149.8E 22:12:106
24. z,n,e	e	22 52 39			

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24. z	IPKP epPKP	23 30 18.1D 30 23	1.0/37	Gebiet der Fidjchi-Inseln	20.4S; 178.2W h=569km H=23:11:35.6(U)
24. z,n,e,V	oPKP e bis z e z	23 59 29 59 47 00 00 05 01 55	1.4/250	Gebiet der Fidjchi-Inseln	17.6S; 178.7W h=560km H=23:40:54.7(U) 17.2S; 178.4W 500 23:40:50 (M)
25. z	eP e(P)	01 41 34 43 34		Arabisches Meer	14.3N; 56.3E h= 33km H=01:32:36.2(U) 13.8N; 56.3E 01:32:32 (M)
25. z	e	03 07 28	Spuren		
25. z	e	11 35 35	Spuren		
25. z	eP	11 39 23	1.3/30		
25. z,n,e	e	11 48 23	Bergschlag Oberschlesien, Polen		(P)
25. z	eP	15 58 44	Golf von Alaska	57.5N; 150.1W h= 33km H=15:47:30.4(U) 57.9N; 150.4W 15:47:28 (M)	
25. z	e	16 59 13	Spuren		
25. z,n,e,V	IP IP eS e z N,E,V N,E	19 15 49.4K 15 58.0 25 04 43 37 49 20 07	1.8/130 71° MIH=5.6	Golf von Alaska	57.4N; 150.1W h= 33km H=19:04:34.4(U) 57.6N; 150.7W 20 19:04:34 (M)
25. z	IP ePP	20 39 08.2D 41(09)	1.7/35	Arabisches Meer	14.4N; 56.2E h= 33km H=20:30:11.1(U)
25. z	IP	21 57 24.7		Nahe der Küste von Peru	17.2S; 71.8W h= 33km H=21:43:41.4(U)
25. z	e	22 52 05			
25. z	eP	23 04 13		Leeward-Inseln	15.0N; 60.7W h= 33km H=22:53:13.5(U)
25. z	e	23 48 30			
26. z	e	01 48 38			
26. z	IPKP epPKP e	04 55 42.6K 56 05 58 07	1.0/39	Salomonen	6.8S; 155.6E h= 81km H=04:36:48.6(U) 6.6S; 155.5E 04:36:44 (M)
26. z,e	i	06 00 15.9			
26. z,e	eP	09 03 03			
26. z,z,e,N,E,V	IP e WN,WE WN,WE F	09 17 29.2K 17 40 (22 00) 14	2K,N,E t10 (t13.5 an105 ae165) av(32.6)	Alle Registrierungen übersteuert	35.9N; 17.5W H=09:11:49 (B) 36.0N; 17.6W h= 33km H=09:11:51.5(U) 36.2N; 17.6W 09:11:48 (M)
26. z	eP e	09 50 16 50 23			
26. z	e	10 00 45			
26. z	e	10 28 36		Transatlantische seismische Zone	36.0N; 18.0W H=10:22:45 (B) 36.0N; 17.6W h= 33km 10:22:48.4(U)
26. z	eP	11 09 11		Transatlantische seismische Zone	35.2N; 17.7W H=11:03:26 (B) 35.8N; 17.6W h= 33km 11:03:32.5(U) 36.3N; 17.3W 11:03:36 (M)

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26. z	iP	11 18 50.6			
26. z	e(P)	14 19 30	Transatlantische seismische Zone	35.7N; 17.3W 35.7N; 17.2W h= 33km	H=14.113.50 14.114.10.1
26. z	iP	14 31 27.1D	0.9/14 Kurilen	45.0N; 147.3E h=116km	H=14.119.149.1
26. z	eP	18 09 48	45°		
z	e	09 51	1.3/22		
z	e	09 58	S-liche Provinz Sinkiang, China	40.3N; 78.0E h= 50km	H=18.101.134.1
z	ePP	11 36		40.2N; 78.1E	18.101.132.1
z	eS	16.5	t16 an1.5 ae1		
z	eLm	26	t14 ae1 av1		
z	eL	32			
26. z	e	18 27 08			
26. z	iP	18 34 54.1K	1.0/39		
z	epP	35 10			
z	eL	19 13	Gebiet von Hokkaido, Japan	42.9N; 145.2E h= 53km	H=18.123.103.1 18.123.110.1
26. z, n, e	iP	20 25 11.9K	1.3/62		
z	i	25 15.6D	26.5° MIH=5.0		
z	i	25 20.8D			
z	i	25 42.2	Transatlantische seismische Zone	36.0N; 17.5W 36.0N; 17.6W h= 33km	H=20.119.133.1 20.119.135.1 20.119.136.1
z	e	29 24			
z	eS	29 40	t17 an2 ae2.5 av1.5		
z	eLm	35			
z	F	21			
26. z	eP	22 04 18	Rumänien	45.5N; 27.0E h= 50km	H=22.01.142.1 22.01.144.1
z	e				
z	eLm	22 06 42	Transatlantische seismische Zone	36.0N; 17.8W 36.2N; 17.8W h= 33km	H=22.01.101.1 22.01.104.1 22.01.107.1
z	e	06 52			
z	e	18			
26. z	e	22 56 04			
26. z, n	e	23 45 20			
27. z	e	00 46 45			
27. z	e(Pg)	00 48 05			
z	e(Sg)	48 26			
27. z	eP	00 48 48	0.9/14		
z	e	49 01			
z	eL	01 30	Riu-kiu-Inseln	28.2N; 129.4E h= 11km	H=00.36.121.1 00.36.125.1
27. z	e	00 56 58			
27. N	eL	03 30	Transatlantische seismische Zone		
27. z	iPKP	05 52 56.8	Gebiet der Fidschi-Inseln	17.58; 179.2W h=585km	H=05.134.122.1
27. z	e	06 33 11			
27. z, n, e	iP	06 53 10.6K	1.0/67		
z	e	53 22			
z	e	54 29			
z	eLm	07 31	Kurilen	44.2N; 148.4E h= 45km	H=06.147.119.1 06.147.124.1
z	eLm	07 31		44.6N; 148.3E	70
27. z	iPKIP	09 31 02.6	1.3/15		
z	iPKP	31 07.1D	1.1/84		
z	iPKP	31 13.4	1.3/30		
z	epPKP	31 48			
z	e	32 15	149° h=160km		
z	e		Gebiet der Fidschi-Inseln	21.18; 176.0W h=142km	H=09.111.135.1 09.111.122.1
z	e			21.18; 175.8W	

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27. z	eP	10 32 21	D 2.1/39		
z	epP	32 40			
z	e	33 19			
z	e	34 32			
z	e	36 20	101.5° MIH=5.7		
z	e	36 42			
z	e	37 12			
z	e	38 03			
z	epPPP	39 04	N-Celebes	0.8N; 122.6E h= 70km	H=10.18.35.6(U)
z	eS	43 50		0.7N; 122.9E	80 10.18.35 (M)
z	eS	44 27			
z	e	48 23			
z	ePKP	48 32			
z	e	48 46			
z	eSS	51.2			
z	eLm	11 19	t17 an1.5 ae1 av1		
27. z	ePKP	10 43 51	0.9/36		
z	ipPKP	44 07.1			
z	i	44 11.3			
z	e	44 20	Gebiet der Loyalty-Inseln	21.98; 170.4E h= 61km	H=10.24.19.2(U)
27. z	ePKP	10 51 27	Tonga-Inseln	17.6S; 174.5W h= 92km	H=10.31.57.0(U)
27. z	e	15 40 57			
z	e	41 06			
z	e	43 14			
27. z, n	e	17 15 46			
27. z	e	19 42 18	Spuren		
27. z, e	e	20 10 25			
27. z	e	22 15 21	Spuren		
28. z	eP	02 15 19	Peloponnes, Griechenland	37.2N; 22.2E	H=02.11.40 (B)
28. z	e	02 32 03			
28. z	ePKP	03 14 57	Gebiet der Samoa-Inseln	16.48; 172.4W h= 21km	H=02.55.21.1(U)
z	e	15 09		15.78; 172.6W	02.55.22 (M)
z	e(PP)	18 05			
28. z	ePKP	14 16 17	1.3/18		
z	epPKP	16 24			
z	ePKP	26 55	Nahe der Küste von Mittelchile	37.9S; 73.4W h= 24km	H=13.57.34.5(U)
z	eL	15 03		38.1S; 74.5W	13.57.35 (M)
z	eLm	07			
28. z, n, e	iPg	16 00 49.6	140km Sprengung 13 t	50.54°N; 14.65°E	(O)
z, n, e	i(Sg)	01 07.6			
28. z	eP	17 08 14	Grenzgebiet Afghanistan - UdSSR	36.4N; 71.1E h=255km	H=17.00.35.5(U)
				36.6N; 71.0E	250 17.00.37 (M)
28. z, n, e	iPg	17 57 55.4	Oberschlesien, Polen		(W)
z, n, e	iSg	58 15.4			
28. z	e	19 32 42			
z, n, e	e	32 49			
28. z	e	22 06 19	Spuren		
28. z	iP	22 49 50.1K	0.8/16		
			Nahe der E-Küste von Kamtschatka	51.4N; 158.2E h= 62km	H=22.38.23.3(U)
				51.4N; 158.2E	65 22.38.23 (M)
28. z	eP	23 06 38	Kurilen	46.7N; 153.4E h= 44km	H=22.54.51.6(U)
z	ipP	06 52.8		46.7N; 153.5E	40 22.54.51 (M)
28. z	e	23 55 22			
z	e	55 41			

Mai 1975		775km		Hochsavoyen, Frankreich		46°04'N; 6°01'E 46.1N; 5.9E h= 33km H=00:32:39 00:32:40	
29. z	ePg	00 34 58					
z	e	35 14					
z	e(Sn)	35 45					
z	e	36 02					
z,n,e	eSg	36 26					
29. z	e	01 49 29					
29. z	1PKIKP	07 00 49.1D	1.7/81				
z,n,e,V	1PKP ₁	00 54.9D	1.2/800				
z,n,e,V	1PKP ₂	01 02.3K	1.2/440				
z	e	01 17	149.5° Mo=5.8				
z	ePP	04 34	S-lich der Fidschi-Inseln				
29. z	iP	15 56 28.5K	1.2/48				
z	epP	57 55					
z	ePP	59 43	Nahe der S-Küste von Hondo, Japan				
N,E,V	eLm	16 37					
29. z	iP	19 20 01.9K	1.3/26				
			Hondo, Japan				
29. z	eP	23 04 19	Transatlantische seismische Zone				
z	e	04 33					
e	e	04 53					
N	e	12					
N,E,V	eLm	17					
30. z	ePKP ₁	01 35 50	Gebiet der Fidschi-Inseln				
z	epPKP	38 02					
30. z	e	02 13 19					
30. z	1PKP ₂	02 31 28.7	1.6/27				
z	e	31 40	S-lich der Tonga-Inseln				
30. z	e	03 29 48					
30. z,n,e	iP	04 18 55.0K	0.8/38				
			Kurilen				
30. z,e	iP	10 37 02.8	1.0/28				
			Kurilen				
30. z,n,e	iPg	10 58 43.1	Sprengung 15.5 t				
z,n,e	iSg	59 01.4					
30. z,e	e	11 12 24					
30. z	eP	13 49 25	SE-lich von Taiwan				
z	e	49 38					
30. z	eP	14 26 34	Türkei				
30. z	eP	14 27 12					
N,E	eLm	27 20					
N,E,V	eL	15 07	1.1/32				
30. z	iPg	15 34 14.8	Gebiet von Taiwan				
z,e	e	34 29					
z,n,e	iSg	34 46.9	(?)				
30. z,n,e,E,V	iP	17 55 43.8	2.0/180				
z	e	56 16					
n,e	e	56 53	66° MSH=6.4 MLH=6.2				
z,E,V	e	57 12	Burma				
n,e,N,E	ePP	58 13					
	eS	18 04 30	t12 an2.8 se2.2				
			26.6N; 97.0E h= 57km H=14:14:44				
			26.5N; 97.2E 55 H=17:45:00,6				

Mai 1975		Fortsetzung		Hochsavoyen, Frankreich		46°04'N; 6°01'E 46.1N; 5.9E h= 33km H=00:32:39 00:32:40	
N	ePS	18 04 44					
N,E	eSKS	05 36					
N	eSS	08 38					
N	e(SSS)	12 02					
N,E	eLm	21	t21 an13.5 ae5				
N,E	eL	26	t16 an8 ae5.5				
V	eL	28	t16 av6.5				
0. z	ePKIKP	18 06 03					
z,E,V	epPKP	06 13	2.0/130				
z	e	08 24					
z,E,V	e	09 08	S-lich von Australien				50.48;139.4E h= 33km H=17:46:24.5(U)
0. z	1PKIKP	18 09 15.9	1.5/62				
z	e	09 21					
z,V	i	09 23.8	1.5/160				
z,N,E,V	e	09 41					
z	e(PP)	12 44	S-lich von Australien				50.18;139.3E h= 45km H=17:49:41.5(U)
0. z	eP	18 59 27	1.4/25				
z	e	59 59					
0. z	epPKP	20 28 13	SW-licher Atlantik				59.38; 18.0W h= 33km H=20:09:12.9(U)
z	ePP	28 37					
0. z	iP	22 09 07.0	0.8/18				
z	i(PoP)	09 12.3	0.7/26				
z	epP	09 35	Gebiet von Hokkaido, Japan				42.5N;142.5E h=119km H=21:57:27.0(U) 43.1N;142.4E 130 21:57:31 (M)
30. z	iPg	23 32 46.5	150km NW-lich von Prag, CSSR				
z,n,e	iSg	33 05.1					
31. z	eP	01 49 52					
31. z	e	04 20 51					
31. z	1PKP ₁	07 38 56.1D	0.7/50				
			Gebiet der Fidschi-Inseln				20.28;178.0W h=550km H=07:20:11.9(U)
31. z	eP	07 56 23	Mindanao, Philippinen				8.2N;123.0E h= 74km H=07:43:04.0(U) 8.2N;123.0E 07:42:59 (M)
z	ePP	08 00 21					
N,E	eL	44					
31. z	e	08 38 38					
31. z,e	e	08 44 06					
z,n,e	e	44 33					
31. z	e	10 56 46					
31. z	i	12 38 04.3					
31. z	eP	12 45 37	S-Anatolien				36.7N; 28.1E H=12:41:25 (B) 36.6N; 28.1E h= 19km 12:41:23.9(U)
z,n,e	e	45 42					
31. z	e	14 23 36	Spuren				
31. z	e	15 22 39					
z	e	23 23					
31. z	eP	23 46 22	Halbinsel Alaska				58.2N;155.9W h=129km H=23:35:21.8(U)

Date	Time	Location	Coordinates	Depth (h)	Magnitude	Category	Notes
1. Juni 1975	01 51 21	S-Kalifornien	34.5N; 116.5W	6km	H=01:38:49.2	eP	
1. z	01 52 58	Luzon, Philippinen	18.7N; 121.0E 18.9N; 121.1E	26km	H=01:39:46.6 01:39:49	e	
1. z	05 11 44	Gebiet von Hokkaido, Japan	42.4N; 144.7E 42.7N; 144.6E	52km	H=04:59:52.0 04:59:56	eP	
1. z	13 28 25 28 50	N-Italien	46.2N; 10.9E		H=13:25:56	e	
1. z	16 02 40					e	
1. z	21 16 09 16 36	240km Polen				eP	
2. z	03 23 13 26 40 30	Ägäisches Meer	36.5N; 26.6E 36.7N; 26.6E 36.7N; 26.6E	25km	H=03:19:07 03:19:07.2 03:19:09	eP	
2. z	14 14 40					e	
2. z	19 06 28.1 07 06 07 18	440km Schwäbischer Jura	48°12'N; 9°06'E 48.3N; 9.0E	21km	H=19:05:11 19:05:12.5	eP	
2. z	19 52 31 52 36 52 42 53 12 55 19 20 54 59	1.6/48 Gebiet der Neuen Hebriden	20.8S; 173.1E 20.7S; 173.1E	56km	H=19:32:57.7 19:32:52	ePKP	
2. z	20 02 18	Gebiet der Neuen Hebriden	20.7S; 173.1E	33km	H=19:42:42.1	ePKP	
2. z	20 33 21 33 41 33 51	1.0/19 S-lich von Hondo, Japan	33.3N; 140.5E 33.4N; 140.5E	59km	H=20:20:57.1 20:20:55	eP	
2. z	21 53 47					e	
3. z	00 48 26 48 57 50 51 53 27 01 20	2.4/85 Burma	26.6N; 97.0E 26.3N; 97.1E	27km	H=00:37:40.1 00:37:39	eP	
3. z	01 10 06 12 19	Burma	26.4N; 97.1E 26.3N; 97.1E	37km	H=00:59:11.3 00:59:10	eP	
3. z	03 34 23.9D 34 37 34 55 36 44 37 34 38 49 04 02 04	1.8/68 Burma	26.5N; 97.0E 26.3N; 97.1E	32km	H=03:23:37.4 03:23:36	eP	
3. z	05 05 03 06 40	1.4/20 Iran	30.5N; 57.7E 30.4N; 57.8E	33km	H=04:57:37.8 04:57:38	eP	
3. z	05 34 34.1D	1.7/44 Gebiet der Philippinen	10.2N; 126.5E 10.4N; 126.2E	33km	H=05:21:06.5 05:21:09	eP	
3. z	08 42 59.8 43 21.9 43 25.9	Bergschlag Pribram, CSSR				eP	
1. Juni 1975	08 47 52.3 48 14.5 48 18.3	Bergschlag Pribram, CSSR				eP	(C)
1. z	14 32 17.9K 32 38	1.3/90 Unterirdische Kernexplosion, Nevada - Testort	37°20'24.21"N; 116°31'22.36"W	0km	H=14:20:00.2(U)	eP	
1. z	14 52 18.4K 52 36	1.4/69 Unterirdische Kernexplosion, Nevada - Testort	37°05'41.39"N; 116°02'09.98"W	0km	H=14:40:00.1(U)	eP	
1. z	17 15 36	Gebiet der Fidachi-Inseln	17.8S; 178.7W	h=607km	H=16:57:04.0(U)	ePKP	
1. z	18 21 49 22 06 25 37 26 04 32 22 33 08 19 07 16 20	2.2/130 96° MIH=6.0 Gebiet der Philippinen	10.2N; 126.4E 10.8N; 126.0E	33km	H=18:08:21.5(U) 18:08:26 (M)	eP	
1. z	19 23 46	Gebiet der Philippinen	10.3N; 126.3E 10.7N; 126.2E	44km	H=19:10:23.0(U) 19:10:24 (M)	eP	
1. z	20 13 23					e	
1. z	23 30 55 31 12 32 12					eP	
1. z	00 54 08					e	
1. z	02 33 19.0 33 25 35 18.5 40 21 44.0 52 56 04	49° MPPV=6.3 MSH=6.0 MIH=6.1 1.7/170 av2.7 t7 t14 an1.3 ae2.7 Grenzgebiet Kaschmir - Tibet	35.9N; 79.8E 35.9N; 80.0E	33km	H=02:24:32.9(U) 02:24:29 (M)	eP	
1. z	02 46 31	Grenzgebiet Kaschmir - Tibet	35.9N; 79.7E	58km	H=02:37:49.7(U)	e(P)	
1. z	02 59 43	Spuren, N-Anatolien, Türkei	40.9N; 32.0E 40.9N; 31.5E	68km	H=02:55:30 (B) 02:55:37.0(U)	e	
1. z	04 52 04.2	1.8/55 Gebiet der Loyalty-Inseln	21.2S; 170.2E 21.4S; 170.5E	40km	H=04:32:30.8(U) 04:32:24 (M)	ePKP	
1. z	05 45 06.9D 45 12.9	0.9/43 0.8/43 Gebiet der Fidachi-Inseln	21.1S; 178.0W	h=465km	H=05:26:12.5(U)	ePKP	
1. z	08 54 24	Sprengung, Erzberg, Steiermark				eSg	(W)
1. z	09 29 28	1.9/29				eP	
1. z	09 48 34	Spuren				e	
1. z	09 58 05.5	1.3/22 Kurilen	46.7N; 152.4E	33km	H=09:46:17.9(U)	eP	
1. z	12 39 09					e	
1. z	14 14 17	Spuren				e	

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4. z	1P	14 30 10.8	Spuren, Grenzgebiet Kaschmir - Tibet	35.9N; 79.9E h=33km H=14:21:24.1
4. z	e	14 45 07 47 30		
4. z	e	17 22 53		
4. z	e	18 11 57	Gebiet der Bonin-Inseln	28.9N; 138.6E h=503km H=17:59:14.6 26.7N; 139.4E 17:58:14.7
4. z	1P i	20 36 17.9 36 24.3		
5. z	e	01 47 14		
5. z	1P	03 03 34.3		
5. z	eP e eFP	03 46 28 47 04 50 30	Naha der Küste von Peru	13.7S; 76.1W h=58km H=03:32:14.4 15.2S; 81.8W 03:32:13.8
5. z	eP e	06 51 47 51 51	N-liche Provinz Sinkiang, China	43.0N; 83.8E h=33km H=06:43:16.5 43.3N; 83.6E 06:43:18.5
5. z	e	11 21 26		
5. z,n	ePKP	16 12 32	1.6/41	
5. z,e z,e,V z n,e,N,E z,n,e,V N,E,V	eP opP s 1SKS eSKS eIm	20 42 52 D 43 43 53 00 53 13.5 55 03 21 17	1.7/30 1.5/27 98°	
5. z	e	23 08 56	Grenzgebiet Peru - Bolivien	16.3S; 69.1W h=182km H=20:29:36.4
5. z	eP	23 15 02	Provinz Tsinghai, China	33.4N; 95.9E H=23:04:54
6. z	eP	00 03 00	Grenzgebiet Panama - Kolumbien	7.1N; 77.8W h=16km H=23:50:22.5
6. z,V z,n,e,V z,n,e,V z,n,V z,e,V z z z	1PKKP 1PKP 1PKP epPKP e ePKS eSKP eSoPKP	01 27 10.9K 27 15.4K 27 19.9 29 43 30 06 30 46 37 33 38 08	1.5/93 1.3/540 1.3/290 148° h=650km Mc=5.7	
6. z,n,e	e	04 24 50	Gebiet der Fidschi-Inseln	20.6S; 179.2W h=655km H=01:08:40.8 20.6S; 178.3W 510 01:08:27
6. z	e	04 38 42		
6. z	e(PKP) epPKP e(PP)	05 37 44 37 59 39 37	Gebiet von Neu-Irland	4.5S; 153.6E h=61km H=05:18:55.4 4.4S; 153.7E 05:18:52
6. z,n,e z z	1PKP i eSKP e	06 06 18.7 06 20.2 09 23 10 42	1.2/49	
6. z z,n,e z z,n,e	ePn ePg eSn eSg	06 16 22 16 27 16 44 16 51	Gebiet der Fidschi-Inseln 220km	15.7S; 177.7W h=407km H=05:14:33.3 16.4S; 177.4W 05:14:18.2

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z	eP	10 58 59	Grenzgebiet Kaschmir - Tibet	35.3N; 80.8E h=33km H=10:50:05.7(U) 35.2N; 80.8E 10:50:03 (M)
z	e	12 12 36	Spuren	
z	e	13 22 11	Bergschlag Oberschlesien, Polen	(P)
z,n,e	eSg	22 22		
z	1P	13 54 06.0		
z	eP	14 34 09	1.2/18 N-Peru	4.0S; 76.9W h=114km H=14:21:06.8(U)
z,n,e,V	1P i i e z z N,E,V N,E N,E N,E,V	16 02 03.3D 02 18.8 02 24.2 02 34 05 17 12 34 23.0 37 45	1.5/150 85.5° MIH=6.2 Gebiet der Riu-kiu-Inseln	23.4N; 126.6E h=16km H=15:49:24.9(U) 23.9N; 126.6E 15:49:30 (M) t20 an4 ae2 t16 an6 ae5 av8
z,n,e z,n,e	e eL	17 08 35 09 02		
z	e(P)	18 56 54	Spuren, Mittelgriechenland	39.0N; 22.3E H=18:53:28 (B) 38.9N; 22.1E h=31km 18:53:28.2(U)
z	e	23 53 16	Spuren	
z,n,e	e	00 50 09		
z	e	05 08 31	Spuren	
z,n,e z N,E N,E,V	eP epP eS eIm	08 58 37 58 49 09 08 50 36	1.3/83 81° MIH=5.6 t18 an2 ae1 av1 Nahe der Küste von N-Kalifornien	40.6N; 124.1W h=21km H=08:46:22.4(U) 40.9N; 124.3W 08:46:20 (M)
z,n,e z,n,e	1(Pg) 18g	08 59 32.7 09 00 01.9	260km Sprengung, Polen	
z	eP	09 41 51	Kurilen	43.3N; 146.6E h=97km H=09:30:03.9(U)
z,n	e	13 45 21		
z,n,e z	1P e	15 24 17.7K 25 28	1.0/68 Nahe der E-Küste von Kantschatka	51.3N; 158.3E h=47km H=15:12:48.2(U) 51.4N; 158.1E 100 15:12:54 (M)
z	1P	16 04 18.8D	0.8/16 Gebiet der Kurilen	43.5N; 148.1E h=33km H=15:52:23.3(U)
z	eP	17 41 04	SE-lich von Kreta	34.3N; 26.2E H=17:36:39 (B) 34.7N; 26.2E h=67km 17:36:41.0(U)
z,n,e	e	01 38 12		
z,e z,n,e	e eSg	02 31 33 31 37	Frioul, Italien	46.5N; 13.1E H=02:28:59 (B)
z z z,e	eP e e	02 33 35 34 54 35 09	E-licher Taurus, Türkei	38.8N; 37.0E H=02:30:10 (B) 38.4N; 37.7E 02:30:04 (M)

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8. z,n,e	iP i z,e z,n,e n,e n	03 34 36.8K 1.0/97 34 39.3 36 09 36 31 43 45 44 34	Unterirdische Kernexplosion, Gebiet von Semipalatinsk, Kasachische SSR	49.8N; 78.7E 49.8N; 78.1E h= 0km	H=03:27:00 (B) 03:26:57.5(U)
8. z,n,e	eSg	05 34 35	Mürztal, Steiermark		(W)
8. z,n,e	o	10 57 51			
8. z,n,e	eSg e	11 14 20 15 09	Granzgebiet Albanien - Jugoslawien	41.5N; 20.8E	H=11:08:03 (G)
8. z,n,e	e	15 50 03			
8. z	iPKP ₁	16 56 36.9	1.0/17 S-lich der Fidschi-Inseln	24.58; 179.5E h=538km	H=16:37:43.9(U)
8. z,n	eP e	17 26 41 26 58	0.8/17 Mittelmeer, SW-lich von Kreta	34.5N; 23.5E 34.6N; 23.4E h= 50km 34.6N; 23.7E	H=17:22:25 (B) 17:22:28.5(U) 17:22:27 (M)
8. z	o	18 45 49			
8. z	iPKP	19 42 43.0D	0.8/18		
8. z	e(P) eL	23 29 24 39	Spuren, N-Atlantik	36.0N; 17.4W 35.6N; 17.8W h= 33km	H=23:23:42 (B) 23:23:37.7(U)
8. z	o e	23 44 25 44 37			
9. z	eP e	00 10 41 11 20	Windward-Inseln	11.5N; 62.3W h=121km	H=23:59:29.9(U)
9. z	ePP	03 29 25	1.6/21 Molukken-Straße	2.1N; 127.5E h= 33km 1.8N; 127.8E	H=03:11:06.8(U) 03:11:05 (M)
9. z	eP epP	04 05 56 06 07	1.5/20 Vor der E-Küste von Kamtschatka	52.4N; 159.9E h= 33km 52.3N; 159.9E	H=03:54:28.6(U) 03:54:28 (M)
9. z	e	05 03 09	Spuren		
9. z	eSb	08 54 24 55 31	Toskana, Italien	43.8N; 10.6E	H=08:51:35 (B)
9. z,e	e	09 14 08			
9. z,n,e	eSg	18 01 21 01 27			
9. z,e	eP e ePP eLm	18 44 34 44 45 46 10 19 05	1.7/42 Grenzgebiet Afghanistan - UdSSR	38.8N; 70.3E h= 21km 38.9N; 70.3E	H=18:36:47.6(U) 18:36:45 (M)
9. z	ePKP e	20 10 56 11 11	Gebiet von Neuguinea	6.18; 147.6E h= 63km 6.28; 147.4E	H=19:52:09.9(U) 19:52:06 (M)
9. z	e	22 11 56			
9. z	e	22 44 24	1.5/29		
10. z,n,e	o	00 02 23			



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10. z,e	iP esP ePP eLm	03 43 23.6 43 36 46 27 04 24	1.0/24 Gebiet von Taiwan t16 an1 ae1	22.7N; 122.7E h= 19km 23.2N; 122.6E	H=03:30:52.6(U) 03:30:58 (M)
10. z	epP	03 54 45	Gebiet von Taiwan	22.7N; 122.5E h= 45km	H=03:42:04.8(U)
10. z	e	04 59 06	Spuren		
10. z,n,e	eP e eSS eL eLm	06 11 02 11 50 17 47 20 23	2.0/45 Gebiet der Azoren t16 an0.5 ae2 av2	40.4N; 28.3W 40.7N; 29.5W h= 33km 41.1N; 29.2W 20	H=06:04:52 (B) 06:04:48.3(U) 06:04:49 (M)
10. z	e(P)	06 28 21	S-licher Golf von Antalya	36.1N; 30.8E 36.2N; 30.7E h= 52km	H=06:23:39 (B) 06:23:42.2(U)
10. z	eP	07 34 48	Gebiet der Azoren	40.3N; 29.4W h= 33km 42.2N; 29.1W	H=07:28:32.2(U) 07:28:38 (M)
10. z,e	e(P)	08 47 01	1.7/32 SW-licher Golf von Antalya	35.9N; 30.4E 36.2N; 30.7E h= 63km	H=08:42:26 (B) 08:42:27.8(U)
10. z	eP e	08 58 37 58 43	Gebiet der Azoren	40.4N; 29.2W 40.5N; 29.5W h= 33km	H=08:52:18 (B) 08:52:19.6(U)
10. z	e(P) eL	09 00 06 10		41.0N; 29.6W	08:52:22 (M)
10. z	iPKIKP iPKP ₁ i z,n,e z	09 18 51.6 18 53.7 19 01.5 21 16 22 24	1.7/61 1.4/500 145.5° h=605km Mc=5.3 Gebiet der Fidschi-Inseln	17.98; 178.4W h=583km 18.06; 178.0W 460	H=09:00:19.1(U) 09:00:06 (M)
10. z	e(P)	09 53 15	Grenzgebiet Kaschmir - Tibet	32.6N; 78.6E h= 28km 32.4N; 78.5E	H=09:44:17.5(U) 09:44:17 (M)
10. z	ePKIKP epPKIKP iPKP ₂ epPKP ₂	10 31 15 31 31 32 09.0 32 24	1.8/43 1.2/24 164° N-Insel von Neuseeland	40.38; 175.8E h= 52km 40.68; 176.9E	H=10:11:20.4(U) 10:11:15 (M)
10. z	eP	12 00 44	1.0/21 Grenzgebiet Indien - China	28.2N; 95.9E h= 26km 27.9N; 96.1E	H=11:50:09.1(U) 11:50:08 (M)
10. z	e	12 51 40 52 29			
10. z,n,e,N,V	iP1 eP2 iP3 iPm e e ePP e ePPP e eS e e e e ePKPKP eL eLm	13 59 14.2D 59 23 59 28.1 59 43.5 14 00 03 01 04 02 05 02 48 03 54 07 27 09 20 09 33 11 39 26 05 26 25 35 39	1.8/68 1.7/210 1.6/490 78° MIH=7.4 Kurilen t15 an46 ae118 t15 an127.5 ae62.5 av133	43.0N; 147.7E h= 15km 43.3N; 147.7E	H=13:47:14.5(U) 13:47:18 (M)
10. z,e	iP	14 05 20.0		44.0N; 147.3E h= 33km	H=13:55:20.0(U)
10. z	eP e	14 07 12 07 24	Kurilen		

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10. z,n,e z z,n,e	iP i i	14 23 14.8E 1.4/89 23 25.7 23 35.8	Kurilen
10. z z	eP e	14 26 05 26 25	
10. z,n,e z z z z n,e N,E,V	iP e i ePP eS eIm	14 30 32.2 1.5/175 30 43 78° MLH=6.7 31 00 33 30 Vor der Küste von 40 24 Hokkaido, Japan 15 04 t16 an16.5 ae25.5 av27	
10. z z,e	iP o	14 41 17.6 Kurilen 41 31	
10. z,n	i(P)	14 41 40.5D	
10. z	i(P)	14 41 57.1	
10. z,n,e z z,e z z z,n,e N,E	iP e ipP i ePP eS eIm	14 49 45.0 1.3/210 49 53 49 57.8 78° MLH=6.8 50 14.1 52 47 Kurilen 59 46 15 28 t16 an26.5 ae27 av22	
10. z z	eP i	14 50 24 Kurilen 50 36.3	H=14:38:28 (S)
10. z	e(P)	14 52 35 Kurilen	H=14:40:39 (S)
10. z,n,e z z,n	iP i i	15 01 14.6 1.5/90 01 27.1 01 35.6 Kurilen	
10. z,n,e z,n,e z,n z,n,V z n,e n,e N,E N,E,V	iP1 iP2 e ipP e eS e eL eIm	15 10 53.1K 1.4/90 10 55.4D 1.3/430 11 01 11 09.3 78° MLH=6.6 12 11 20 42 Kurilen 21 03 41 45 t20 an14.5 ae18.5 t16 an19 ae13 av16	
10. z,n,e z z	iP e e	15 13 11.5D 1.5/225 13 28 13 40 Kurilen	H=15:01:14 (S)
10. z,n,e z,n,e,V z,n,e z,n,e z z,n,e N,E N,E,V	iP i i i e eS e eL eIm	15 33 12.9K 1.2/265 33 19.5 33 25.6 78° MLH=6.2 33 34.7 35 30 Kurilen 43 02 43 22 16 04 08 t16 an6.5 ae6 t16 an7.5 ae5 av5	
10. z z	eP e	15 42 07 Kurilen 42 18	H=15:30:10 (S)
10. z z	eP epP	15 47 41 1.3/23 47 53 Kurilen	
10. z	eP	15 58 07 Kurilen	

43.2N;147.8E h= 33km H=14:11:17.9(U)
43.9N;147.7E 14:11:22 (M)

42.9N;147.7E h= 33km H=14:18:34.9(U)
44.8N;146.9E 80 14:18:50 (M)

43.4N;147.7E h= 33km H=14:29:21.4(U)

43.3N;147.9E h= 41km H=14:37:49.9(U)
43.4N;148.1E 14:37:48 (M)

43.4N;147.7E h= 21km H=14:49:18.0(U)

43.3N;147.4E h= 19km H=14:58:55.8(U)
43.3N;147.7E 14:58:57 (M)

43.3N;147.3E h= 38km H=15:21:19.1(U)
43.3N;147.4E 15:21:17 (M)

43.1N;147.9E h= 33km H=15:35:44.6(U)
H=15:46:12 (S)



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10. z,n,e z,e z,n z n,e N,E,V	eP e e e e(S) eIm	16 03 04 1.2/110 03 17 03 22 79° MLH=6.0 03 38 Kurilen 13 27 32 t18 an5 ae3 av7.5	43.3N;147.4E h= 29km H=15:51:09.2(U) 44.1N;146.9E 15:51:10 (M)
10. z	epP	16 14 20 Gebiet der Philippinen	20.9N;121.3E h= 32km H=16:01:29.3(U)
10. z,n,e z	iP e	16 26 40.3 1.1/49 26 52 Kurilen	43.2N;147.4E h= 33km H=16:14:45.3(U) 43.2N;147.8E 16:14:39 (M)
10. z	e	16 31 19	
10. z,n,e z	iP epP	16 32 29.5 1.1/26 32 41 Kurilen	43.6N;147.8E h= 33km H=16:20:35.9(U) 44.8N;147.1E 16:20:43 (M)
10. z,n,e z z z N,E V	eP e e e e(S) eIm eIm	16 33 43 78° MLH=5.7 33 54 34 05 Kurilen 43 38 17 12 t15 an2.5 ae1.5 14 t16 av2	43.2N;147.9E h= 33km H=16:21:47.1(U)
10. z	e(P)	16 34 24	
10. z,n,e z	iP e	16 35 50.1D 1.2/42 36 02 Gebiet der Kurilen	43.3N;148.1E h= 33km H=16:23:54.3(U) 42.8N;148.6E 16:23:50 (M)
10. z	eP	16 40 04 Kurilen	H=16:28:08 (S)
10. z	e	16 42 06	
10. z	eP	16 44 03 Grenzgebiet Peru - Ecuador	3.6S; 80.9W h= 49km H=16:30:42.2(U)
10. z	e	17 23 10	
10. z	iP	17 37 12.7 1.0/15	
10. z	eP	17 55 07 Gebiet der Kurilen	43.0N;148.1E h= 33km H=17:43:11.6(U)
10. z z	eP epP	18 38 25 Kurilen 38 34	43.2N;147.7E h= 33km H=18:26:25.6(U) 45.2N;146.8E 190 18:26:56 (M)
10. z z	iP e	19 09 34.5D 1.4/34 09 45 Kurilen	43.0N;147.4E h= 19km H=18:57:35.9(U) 44.4N;147.1E 100 18:57:53 (M)
10. z z	iP ipP	19 18 14.9K 1.1/45 18 27.2 Kurilen	43.1N;147.6E h= 41km H=19:06:19.8(U) 43.5N;147.7E 19:06:19 (M)
10. z	eP	20 44 29 Kurilen	43.2N;147.6E h= 33km H=20:32:32.8(U) 45.2N;146.4E 160 20:32:59 (M)
10. z	eP	20 44 29 Kurilen	43.7N;147.5E h= 33km H=20:41:22.9(U)
10. z	eP	20 53 17 Kurilen	
10. z	eP	20 57 05 1.0/23 Kurilen	43.5N;147.7E h= 33km H=20:45:10.0(U) 43.5N;147.9E 20:45:07 (M)
10. z	e	21 38 36	
10. z z N,E,V	iP epP eIm	22 26 13.3 1.5/37 26 25 23 04 t15 an0.5 ae1 av1 Gebiet der Kurilen	43.2N;148.1E h= 18km H=22:14:14.1(U) 44.3N;147.5E 22:14:23 (M)
10. z z	eP e	23 15 03 Kurilen 15 14	43.2N;147.8E h= 17km H=23:03:02.1(U) 45.0N;146.9E 140 23:03:27 (M)

Date	Time	Location	Coordinates	Depth (h)	Magnitude (M)
10. z	23 49 37.3K	Kurilen	43.4N; 147.6E	33km	H=23:37:42.2(U)
11. z	00 29 37	Kurilen	43.0N; 147.5E	34km	H=00:17:40.5(U)
11. z	01 02 12	Vor der Küste von Hokkaido, Japan	42.9N; 147.5E	31km	H=00:50:14.1(U)
11. z	01 38 07.8	Vor der Küste von Hokkaido, Japan	42.7N; 148.0E	14km	H=01:26:05.4(U)
11. z	02 10 13.9D	1.2/20			
11. z	03 17 08	Vor der Küste von Hokkaido, Japan	42.9N; 147.9E	40km	H=03:04:59.1(U)
11. z	05 26 45.4K	Gebiet der Fidschi-Inseln	19.4S; 176.0W	136km	H=05:07:18.1(U)
11. z	05 33 12.1	Kurilen	43.1N; 147.6E	33km	H=05:21:15.6(U)
11. z	06 43 52	Kurilen	43.3N; 147.7E	33km	H=06:31:56.8(U)
11. z	07 31 55	Kurilen	43.3N; 147.9E	33km	H=07:19:58.0(U)
11. z	10 17 45	Vor der Küste von Hokkaido, Japan	42.5N; 148.1E	33km	H=10:05:43.5(U)
11. z	11 57 57	Kurilen	43.5N; 147.8E	15km	H=14:20:09.6(U)
11. z	14 32 07	Kurilen	43.6N; 147.9E	15km	H=14:20:12 (M)
11. z	15 04 07.0K	Kurilen	43.3N; 147.7E	33km	H=14:52:01.9(U)
11. z	15 44 30	Kurilen	43.4N; 147.7E	28km	H=15:32:36.2(U)
11. z	17 04 51.2K	Kurilen	43.3N; 147.7E	24km	H=16:52:54.2(U)
11. z	17 09 26.9D	Kurilen	43.1N; 147.5E	23km	H=16:57:28.2(U)
11. z	17 55 37.9	Kurilen	43.4N; 147.8E	28km	H=17:43:41.9(U)
11. z	18 14 29	Kurilen	43.2N; 147.9E	33km	H=18:02:19.9(U)
11. z	18 43 26	Gebiet der Kurilen	43.2N; 148.3E	33km	H=18:31:27.9(U)
11. z	18 44 36	S-lich von Hondo, Japan	29.4N; 142.1E	16km	H=18:31:46.8(U)
11. z	18 48 20	Kurilen	43.9N; 147.8E	33km	H=18:40:33.1(U)

Date	Time	Location	Coordinates	Depth (h)	Magnitude (M)
11. z	21 48 55				
12. z	00 26 13.6K	Kurilen	46.7N; 152.6E	60km	H=00:14:30.2(U)
12. z	01 19 47.2	Gebiet der Kurilen	43.4N; 148.0E	27km	H=01:07:51.2(U)
12. z	02 01 10	Kurilen	43.1N; 147.3E	21km	H=01:49:12.1(U)
12. z	03 14 00	Kurilen	43.3N; 147.9E	34km	H=03:02:03.9(U)
12. z	03 45 37	Spuren, Nahe der S-Küste von Hondo, Japan	35.2N; 139.5E	146km	H=03:33:33.3(U)
12. z	03 52 48				
12. z	03 57 45	Gebiet der Kurilen	43.3N; 148.0E	33km	H=03:45:50.0(U)
12. z	04 39 26	Gebiet der Kurilen	43.3N; 148.2E	33km	H=04:27:28.7(U)
12. z	04 46 00.0K	Kurilen	43.3N; 147.8E	27km	H=04:34:03.0(U)
12. z	05 45 26	Kurilen	43.6N; 147.8E	15km	H=05:33:30.5(U)
12. z	08 25 51.3	Kurilen	43.3N; 147.4E	43km	H=08:13:57.7(U)
12. z	11 10 40.9	110km Sprengung 11 t	50.59°N, 14.05°E		(0)
12. z	13 27 15.5	Kurilen	43.1N; 147.3E	18km	H=13:15:17.4(U)
12. z	14 15 38	S-Iran	27.3N; 55.8E	45km	H=14:08:06.2(U)
12. z	14 43 10.2	Kurilen	43.1N; 147.2E	33km	H=14:31:14.0(U)
12. z	14 49 08	Vor der Küste von Hokkaido, Japan	42.8N; 147.8E	33km	H=14:37:09.6(U)
12. z	15 10 34.5K	Kurilen	43.4N; 147.7E	42km	H=14:58:40.1(U)
12. z	15 35 31	Kurilen	43.2N; 147.2E	33km	H=15:23:35.3(U)
12. z	19 30 23	Sizilien	37.5N; 14.4E	30km	H=19:27:06.5(U)
12. z	20 26 29	Gebiet der Kurilen	43.4N; 148.0E	26km	H=20:14:31.4(U)

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 12. z eP 21 49 01 Gebiet der Kurilen 43.1N;148.0E h= 17km H=21:37:01.5(U)
 43.3N;148.1E 21:37:04 (M)
 22 18 15
 12. z,n e 23 33 00.6 1.5/60
 33 11.6 78° MLH=5.7
 42 53 t16 an2 ae2 av1.5
 13. n,e,N,E 00 12 43.1N;147.7E h= 33km H=23:21:04.3(U)
 N,E,V eLm 44.2N;147.2E 23:21:11 (M)
 Kurilen
 03 02 12 Bergschlag Oberschlesien, Polen (P)
 03 03
 13. z,e eP 05 25 29
 z,n,e eSg
 13. z,n,e e 06 21 50 2.0/95
 21 57 94° MLH=6.1
 25 38
 13. z,n,e,V eP 32 20 Samar, Philippinen 12.3N;125.4E h= 36km H=06:08:35.4(U)
 z e ePP 33 02 12.2N;125.5E 06:08:34 (M)
 z,V eS eSKS
 e,N,E eS
 e,N,E eL
 N,E,V eLm 07 08 t16 an3.5 ae3
 10 t16 an3.5 ae3 av6
 13. z,n,e e 07 40 37
 13. z iP 10 20 18.6 1.1/23 27.0N; 54.9E h= 58km H=10:12:49.8(U)
 S-Iran 26.6N; 54.9E 10:12:44 (M)
 13. z eP 11 27 14 S-lich von Hondo, Japan 34.8N;136.7E h=338km H=11:15:34.6(U)
 13. z e(Pg) 12 05 24 Rheinland, BRD 50°25'N; 7°51'E H=12:04:21.5(B)
 z,n,e eSg 06 09
 13. z,n,e iPg 13 00 17.8 Spuren Sprengung
 z,n,e iSg 00 32.2
 z,n,e eL 00 43
 13. z,n,e iP 13 09 00.3K 1.2/65
 z,n,e ipP 09 11.2
 z e 09 25 Kurilen 43.2N;147.2E h= 42km H=12:57:06.2(U)
 e 10 18 43.1N;147.5E 12:56:59 (M)
 N,E,V eLm 49
 13. z e 13 17 49 Spuren
 13. z eP 13 22 46 0.9/23
 Kurilen 43.0N;147.4E h= 33km H=13:10:50.5(U)
 43.2N;147.5E 13:10:49 (M)
 15 51 12
 13. z eP 16 51 17 Kurilen 43.6N;147.9E h= 33km H=16:39:22.3(U)
 17 38 44 Spuren
 18 05 06
 05 22
 05 44
 13. z iP 18 20 07.7
 z,n,e 1 20 09.0K 1.6/900
 N,E,V epP t9 av6.5
 z ePP 20 20
 z,n,e,N,E eS 23 04 77.5° MSH=6.8 MLH=7.3
 N,E ePG 29 57 t14 an7.7 ae7.1
 N,E eSS 30 35
 N,E e(SSS) 35 05 Kurilen
 N,E,V eLm 39.5
 51
 58 t21 an68 ae122.5
 t17 an55.5 ae68.5 av(85.5)
 43.5N;147.7E h= 19km H=18:08:11.7(U)
 44.5N;147.4E 80 18:08:24 (M)

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 13. z eP 18 30 43 Kurilen 44.0N;147.4E h= 33km H=18:18:51.0(U)
 13. z iP 18 37 12.8 1.2/31
 Kurilen 43.1N;147.8E h= 14km H=18:25:13.6(U)
 18 43 04
 13. z e 19 26 07.5 1.2/16
 13. z iP Gebiet der Kurilen 43.1N;148.0E h= 11km H=19:14:07.3(U)
 43.7N;148.2E 19:14:07 (M)
 13. z eP 19 27 23 Kurilen
 z e 27 36 H=19:15:26 (S)
 13. z eP 19 31 23 Kurilen
 z e 31 35 H=19:19:28 (S)
 13. z iP 19 52 22.2K 1.3/45
 z epP 52 33 Kurilen 43.5N;147.7E h= 17km H=19:40:25.6(U)
 44.5N;147.6E 90 19:40:38 (M)
 13. z eP 19 58 07 Gebiet der Kurilen 43.2N;148.1E h= 33km H=19:46:10.7(U)
 z epP 58 19
 13. z,n,e iP 20 04 31.6K 1.0/36
 z,e epP 04 43 Kurilen 43.5N;147.8E h= 29km H=19:52:36.0(U)
 44.2N;147.5E 50 19:52:42 (M)
 13. z eP 20 10 06 Gebiet der Kurilen 43.3N;148.0E h= 33km H=19:58:10.5(U)
 13. z iP 20 12 52.8 Kurilen 43.5N;147.9E h= 33km H=20:00:57.3(U)
 z epP 13 04 44.5N;147.4E 100 20:01:10 (M)
 13. z,n,e iP 20 30 19.7 1.5/35
 z epP 30 33 Kurilen 43.3N;147.7E h= 22km H=20:18:22.9(U)
 43.4N;147.7E 20:18:24 (M)
 13. z,n,e iP 20 32 52.1K 1.2/47
 z ipP 33 03.7 Kurilen 43.4N;147.6E h= 39km H=20:20:57.7(U)
 43.3N;147.8E 20:20:55 (M)
 13. z eP 21 31 23
 13. z e 22 41 58
 13. z eP 22 47 42
 13. z epP 23 24 58 Gebiet der Kurilen 43.2N;148.0E h= 33km H=23:12:48.6(U)
 14. z eP 00 09 37 Gebiet der Kurilen 43.5N;148.0E h= 33km H=23:57:41.8(U)
 z epP 09 49 43.9N;147.7E 23:57:45 (M)
 14. z e(P) 00 11 05
 14. z iP 00 12 01.5K 1.1/37
 z e 12 13 Kurilen 43.7N;147.8E h= 21km H=00:00:05.4(U)
 N,E,V eLm 50 43.4N;148.1E 00:00:01 (M)
 14. z eP 00 16 08 Kurilen 43.6N;147.9E h= 33km H=00:04:17.2(U)
 14. z eP 01 53 38 Kurilen 43.3N;147.8E h= 33km H=01:41:41.9(U)
 43.3N;147.8E 01:41:42 (M)
 14. z,n,e iP 01 59 47.0 1.6/46
 z e 59 59
 z,N,E eLm 02 35 Kurilen
 V eLm 41
 14. z iP 02 08 27.9D 1.1/32
 z e 08 49
 z e 09 09 Kurilen 43.4N;147.7E h= 15km H=01:56:30.0(U)
 43.4N;147.8E 01:56:28 (M)

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14. z, e z, n z	iP e eFP	02 26 28.6 26 47 27 23 29 28	1.0/31 Vor der Küste von Hokkaido, Japan	42.7N;148.0E h= 9km H=02:14:26.4(U) 43.4N;147.6E (M) 02:14:34
14. z	eP	02 38 56	Golf von Kalifornien	23.1N;108.0W h= 33km H=02:25:59.0(U)
14. z, n, e, V z, n z, n N, E, V	iP e eLm	03 11 15.3D 11 25 12 27 50	1.2/77 Kurilen t16 an2.5 ae2.5 av2	43.4N;147.7E h= 34km H=02:59:20.7(U) 44.3N;147.4E 80 02:59:30 (M)
14. z, n, e z	iP e	03 13 17.9 13 43	1.2/39 Kurilen	43.8N;147.9E h= 33km H=03:01:24.9(U)
14. z	epP	03 49 38	Kurilen	43.3N;147.7E h= 33km H=03:37:33.4(U)
14. z z	iP e	04 04 18.0 04 35	1.2/20 Vor der Küste von Hokkaido, Japan	42.5N;148.0E h= 33km H=03:52:18.2(U) 43.3N;147.7E 03:52:23 (M)
14. z z z, n	iP ipP esP	04 19 05.9K 19 17.3 19 22	1.1/20 h= 45km Kurilen	43.5N;147.9E h=(26)km H=04:07:10.5(U) 44.2N;147.2E 04:07:16 (M)
14. z, n, e z, n, e	iPKP ₁ e	04 25 03.6K 25 13	1.6/69 Tonga-Inseln	20.7S;174.0W h= 33km H=04:05:16.8(U)
14. z z z z	ePKIKP eFKP ₁ iPKP ₂ e	04 32 20 32 32 D 32 52.1D 33 00	157.5° 1.3/60 Kermadec-Inseln	30.2S;178.0W h= 46km H=04:12:28.9(U) 31.0S;178.1W 04:12:21 (M)
14. z z	iP ipP	04 47 38.7K 47 50.5	1.2/94 Kurilen	43.4N;147.6E h= 17km H=04:35:40.8(U) 44.8N;146.8E 110 04:36:00 (M)
14. z z	eP e	04 53 32 53 45	Kurilen	43.3N;147.8E h= 33km H=04:41:37.1(U)
14. z, e z, n, e	iP ipP	04 54 56.6K 55 07.9	0.9/27 Kurilen	43.5N;147.9E h= 33km H=04:43:01.3(U) 43.0N;149.2E 04:42:54 (M)
14. z	eP	05 05 42	Kurilen	44.4N;146.8E h= 33km H=04:53:53.4(U)
14. z	e	05 09 10	Bergschlag Oberschlesien, Polen	(P)
14. z, n, e N, E	iP eLm	05 14 56.9 43	1.2/38 Kurilen	43.4N;147.8E h= 11km H=05:02:58.7(U) 43.6N;147.9E 05:03:01 (M)
14. z	e	05 25 52	Spuren	
14. z, n, e z	iP ipP	06 28 39.4D 28 51.0	1.2/31 Kurilen	43.5N;147.6E h= 35km H=06:16:44.8(U) 43.5N;147.6E 06:16:44 (M)
14. z	i	07 09 55.0	Spuren	
14. z	eP	08 03 19	Kurilen	43.4N;147.3E h= 33km H=07:51:24.9(U) 43.9N;147.0E 07:51:28 (M)
14. z, n, e z, n, e N, E, V	iP i eS eL eLm	08 55 09.5K 55 21.1 09 05 16 29 33	1.3/60 77.5° MLH=5.7 t16 an1.5 ae1.0 t15 an1.5 ae1.5 av1.5 Kurilen	43.4N;147.5E h= 11km H=08:43:11.8(U) 44.2N;147.0E 08:43:20 (M)



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14. z, n, e z	iP ipP	09 14 12.1K 14 24.0	1.0/52 Kurilen	43.3N;147.6E h= 17km H=09:02:14.6(U) 44.4N;147.2E 90 09:02:29 (M)
14. z	eP	10 09 25	Gebiet der Kurilen	43.1N;148.0E h= 33km H=09:57:27.8(U)
14. z z	iP e	10 54 25.1D 54 37	0.9/13 Kurilen	H=10:42:29 (S)
14. z, n, e z, n N, E V	iP i eLm eL	10 56 56.9K 57 08.3 11 31 36	1.2/38 Kurilen	43.3N;147.6E h= 32km H=10:45:01.4(U) 44.1N;147.0E 40 10:45:09 (M)
14. z z z	ePP ePKKP ePKKP	10 59 21 11 09 37 09 51	Grenzgebiet Chile - Argentinien	32.5S; 70.7W h= 94km H=10:40:20.7(U) 32.1S; 71.0W 10:40:09 (M)
14. z, n, e z	e	11 52 48		
14. z	eP	14 40 16	Spuren, Kurilen	43.6N;147.6E h= 33km H=14:28:21.6(U)
14. z z z	iPKP e e(pPKP)	15 21 13.8D 21 24 23 09	1.3/23 Gebiet der Fidschi-Inseln	17.4S;177.6W h=425km H=15:02:23.9(U)
14. z, n, e z, n, e n, e, N N, E V	iP e eS eLm eLm	17 23 10.6K 23 22 33 15 59 18 02	1.1/170 77.5° Kurilen	43.4N;147.5E h= 34km H=17:11:16.2(U) 44.2N;147.3E 80 17:11:25 (M)
14. z, n, e z, n, e n, e N, E N, E, V	iP i e(S) eL eLm	17 49 09.0D 49 19.0 59 07 18 20 28	1.5/73 Kurilen t21 an1.5 ae2.5 t15 an3.5 ae3.5 av3.5	43.0N;147.6E h= 33km H=17:37:11.3(U) 44.1N;147.4E 80 17:37:21 (M)
14. z z	iP ipP	17 53 35.9 53 47.1	1.0/25 Kurilen	43.4N;147.3E h= 33km H=17:41:41.5(U)
14. z, n, e, N, E, V z, n, e, N, V z, n, e, N, E z, n, e N, E N N, E N, E, V	iP i iS e e e eL eLm F	18 49 56.1K 50 07.4 59 45 59 59 19 05.1 09.0 20 28 21 30	1.5/310 77.5° MLH=6.8 Kurilen t22 an21 ae32 t17 an31 ae22 av30	43.6N;147.9E h= 31km H=18:38:01.1(U) 44.1N;147.9E 50 18:38:05 (M)
14. z, n, e z, n, e z	iP i e	19 01 34.8K 01 47.0 02 43	1.2/85 Gebiet der Kurilen	43.6N;148.0E h= 38km H=18:49:40.2(U) 44.1N;147.9E 80 18:49:46 (M)
14. z, e z, n, e	iP i	19 04 01.7 04 14.4	1.1/34 Kurilen	H=18:52:07 (S)
14. z, n, e z	iP epP	19 06 31.6 06 44	1.2/31 Nahe der E-Küste von Hondo, Japan	40.2N;142.5E h= 49km H=18:54:33.3(U)
14. z	eP	19 11 14		44.2N;147.5E h= 33km H=19:01:11.4(U)
14. z z	eP e	19 13 03 13 15	Kurilen	
14. z, n, e z	iP ipP	19 25 58.3K 26 10.7	1.1/70 Kurilen	43.5N;147.8E h= 25km H=19:14:02.5(U) 43.7N;147.8E 50 19:14:06 (M)
14. z, n, e	e	19 59 37		
14. z z	iP i	20 32 36.1 32 37.3		

Juni 1975
 14. z eP 20 35 55 Kurilen H=20:24:101 (B)
 e 36 07
 14. z eP 20 40 26 Kurilen
 43.4N; 147.9E h= 33km H=20:28:30.9(U)
 14. z, n, e IP 20 43 29.8 1.0/21
 ipP 43 41.6 Kurilen
 43.4N; 147.9E h= 25km H=20:31:33.6(U)
 44.8N; 147.0E h= 60 20:31:46 (M)
 14. z, n, e IP 20 47 18.5 1.0/40
 ipP 47 30.0 Gebiet der Kurilen
 e 49 07
 43.5N; 148.0E h= 13km H=20:35:20.4(U)
 43.8N; 148.1E h= 20:35:24 (M)
 14. z eP 20 59 53 Beaufort-Meer
 e 21 00 02
 e 00 16
 71.9N; 132.9W h= 33km H=20:50:25.7(U)
 72.2N; 132.5W h= 20:50:28 (M)
 14. z eP 21 04 13
 e 04 28
 14. z epPKP 22 04 14 Spuren,
 Gebiet der S-Sandwich-Inseln 59.28; 27.0W h= 33km H=21:45:55.0(U)
 14. z eP 22 25 57 Gebiet der Kurilen
 ipP 26 10.5
 43.3N; 148.1E h= 25km H=22:13:59.3(U)
 43.4N; 148.4E h= 22:13:56 (M)
 14. z eP 22 33 55 Kurilen
 epP 34 06
 43.5N; 147.5E h= 33km H=22:22:00.3(U)
 14. z eP 22 45 36 Kurilen
 epP 45 49
 43.5N; 147.8E h= 33km H=22:33:39.3(U)
 14. z, n, e, N, E, V IP 23 48 50.3D 1.8/420
 bis z e 49 03
 15. z, e e 51 58 82.5° MIH=6.3
 n, e, N, E eS 59 11
 n, e ePPS 00 00 24 Vor der E-Küste von
 E eSS 04 27 Hondo, Japan
 N, E eL 23
 N, E, V eLm 28 t17 an8 ae8.5
 t15 an8 ae7.5 av5
 15. z IP 00 31 26.6K 77.5° MIH=7.1
 z, n, e i 31 29.8D 2.3/2000
 N, E e
 n, e, N, E eS 33 14
 N, E eL 41 17 Kurilen
 N, E, V eLm 01 03 t21 an36 ae55.5
 10 t16 an67 ae38 av69
 43.7N; 147.8E h= 38km H=00:19:34.0(U)
 44.7N; 147.6E h= 80 00:19:44 (M)
 15. z, n, e IP 00 34 31.9 77° MIH=6.9
 e eS 44 16
 N, E, V eLm 01 13 t17 an34 ae25 av29
 Kurilen
 15. z, e IP 01 15 27.8 Kurilen
 44.0N; 147.0E h= 33km H=00:22:40.6(U)
 15. z eP 01 27 40 Kurilen
 epP 30 37
 43.9N; 147.8E h= 33km H=01:03:34.4(U)
 43.8N; 147.9E h= 33km H=01:15:45.9(U)
 15. z, n, e, V IP 02 21 11.9D 1.4/105
 z, n, e i 21 19.1 78.5° MIH=5.6
 e, n, e eS 31 12 t16 an1.5 ae1.5 av3
 N, E, V eLm 03 01 Vor der Küste von
 Hokkaido, Japan
 15. z IP 02 28 01.0 1.3/30
 z i 28 12.3 Gebiet der Kurilen
 42.6N; 148.1E h= 10km H=02:09:08.7(U)
 43.2N; 148.0E h= 02:09:14 (M)
 15. z eP 02 53 17 Gebiet der Kurilen
 e(P) 43.7N; 148.0E h= 33km H=02:16:06.2(U)
 43.1N; 148.6E h= 02:16:03 (M)
 43.5N; 148.0E h= 33km H=02:41:17.7(U)

Juni 1975
 15. z eP 04 56 41 103° MIH=5.8
 z, n, e ePP 05 01 02 W-Karolinen
 ePKKP 12 44
 eLm 39 t17 an2 ae2
 eLm 46 t18 av4
 11.9N; 141.4E h= 61km H=04:42:50.2(U)
 11.8N; 141.7E h= 50 04:42:47 (M)
 15. z IP 06 14 23.2D 1.4/55
 e 14 34 Kurilen
 43.6N; 147.8E h= 29km H=06:02:29.0(U)
 43.7N; 147.8E h= 06:02:29 (M)
 15. z e 07 23 42
 15. z IP 07 26 31.3 1.0/21
 15. z IP 07 27 35.9K 1.0/38
 Kurilen
 43.6N; 147.9E h= 12km H=07:15:38.1(U)
 43.7N; 147.9E h= 07:15:41 (M)
 15. z eP 07 54 07 Gebiet der Kurilen
 z, n, e e 54 19
 43.4N; 148.4E h= 36km H=07:42:10.6(U)
 43.4N; 148.6E h= 07:42:10 (M)
 15. z epP 08 27 10 Gebiet der Kurilen
 43.5N; 148.2E h= 33km H=08:15:04.1(U)
 15. z, n, e IP 08 59 07.9K 1.2/35
 z, n, e, V ipP 59 19.9
 eLm 09 31 Gebiet der Kurilen
 43.7N; 148.0E h= 25km H=08:47:12.6(U)
 44.3N; 147.7E h= 08:47:17 (M)
 15. z eP 09 42 10 Kurilen
 e 42 21
 43.3N; 147.9E h= 33km H=09:30:14.9(U)
 15. z, e IP 10 09 03.4 0.9/24
 Gebiet der Kurilen
 43.0N; 148.1E h= 33km H=09:57:04.4(U)
 43.5N; 147.5E h= 09:57:09 (M)
 15. z e 10 09 39
 15. z, n, e e 10 29 42
 15. z, n, e IP 10 58 34.6 1.2/28
 z epP 58 47 Kurilen
 44.0N; 147.9E h= 22km H=10:46:40.1(U)
 44.3N; 147.7E h= 10:46:44 (M)
 15. z e 15 23 09 Spuren
 40.2N; 142.3E h= 56km H=18:01:55.7(U)
 40.6N; 142.3E h= 18:01:55 (M)
 15. z IP 18 13 53.1 Nahe der E-Küste von
 Hondo, Japan
 15. z e 18 54 20
 42.5N; 147.8E h= 37km H=20:24:13.5(U)
 15. z eP 20 36 13 Vor der Küste von
 z e 36 40 Hokkaido, Japan
 42.3N; 148.0E h= 37km H=20:34:30.1(U)
 15. z eP 20 46 31 Vor der Küste von
 Hokkaido, Japan
 15. z, n, e IP 23 20 41.7K 1.0/35
 z, n, e epP 20 54 Gebiet der Kurilen
 43.9N; 148.1E h= 35km H=23:08:48.9(U)
 44.8N; 147.9E h= 80 23:08:59 (M)
 15. z, n, e IP 23 42 42.3K 1.1/51
 z, n, e i 42 54.7 Gebiet der Kurilen
 43.7N; 148.2E h= 15km H=23:30:45.3(U)
 43.7N; 148.3E h= 23:30:47 (M)
 15. z e 23 53 42 Spuren
 15. z e 23 58 33
 16. z, n, e IPKP 00 49 27.5K 0.8/32
 Tonga-Inseln
 16. z e 04 58 02
 16. z e 04 58 02

Date	Time	Location	Coordinates	Depth (h)	Magnitude	Notes
16. z	06 07 32					
16. z, n, e	12 23 57 24 15					
16. z	21 20 56 21 31	Kurilen	43.4N; 147.8E 43.4N; 147.9E	h= 27km	H=21:08:59.6(U) 21:09:00 (M)	
16. z	22 50 34 54 12 55 14 55 30	119° MIH=6.5				
16. z, N, E, V	23 04 30 05 14 07 58 11 59 12 04	Bismarck-See	3.0S; 147.8E 2.9S; 148.2E	h= 33km	H=22:35:23.2(U) 22:35:17 (M)	
16. z	22 51 17.3K 51 29	Kurilen	43.3N; 147.8E 43.6N; 147.6E	h= 34km	H=22:39:21.5(U) 22:39:22 (M)	
16. z, n, e	23 43 06 43 35 44 25 44 49	Nähe Gardasee, N-Italien	45.7N; 10.6E 45.7N; 10.5E	h= 33km	H=23:41:40 (B) 23:41:40.9(U)	
17. z	02 48 09	Spuren				
17. z	02 57 09					
17. z, e	05 12 10 12 37	Gebiet von Puerto Rico	18.5N; 66.3W	h=111km	H=05:01:13.5(U)	
17. z, n, e	07 07 25 07 40 08 09 08 32	Tirol, Österreich	47.2N; 11.3E 47.2N; 11.1E	h= 48km	H=07:06:18 (B) 07:06:19.5(U)	
17. z, e	07 54 16					
17. z, n, e	11 00 50.9 00 52.5	Sprengung				
17. z	13 09 01					
17. z	15 30 41	Kiuschu, Japan	33.3N; 131.9E	h= 77km	H=15:18:38.4(U)	
17. z	16 06 54.2K 16 06 54.2K	Nähe der E-Küste von Hondo, Japan	38.3N; 141.9E 38.5N; 141.9E	h= 57km	H=15:54:48.1(U) 15:54:46 (M)	
17. z	16 23 20					
17. z	21 41 34 44 32	Nähe der E-Küste von Hondo, Japan	40.2N; 142.3E 40.6N; 142.2E	h= 50	H=21:29:36.5(U) 21:29:38 (M)	
17. z	22 24 24.8	0.8/19				
18. z	23 26 43					
18. z, e	00 08 52					
18. z, n, e	00 14 17.9 14 33.2 14 44					
18. z, n, e	00 57 09					

Date	Time	Location	Coordinates	Depth (h)	Magnitude	Notes
18. z	02 41 28	Iran		h= 15km	H=02:34:00.0(U) 02:34:02 (M)	
18. z, n, e	04 23 46.9D 24 08 27 18	Mindoro, Philippinen	13.9N; 120.6E 13.7N; 120.8E	h=134km 90	H=04:11:02.3(U) 04:10:56 (M)	
18. z, n, e	05 56 02.6 56 10 06 06 22	Vor der E-Küste von Hondo, Japan	40.9N; 143.0E 41.4N; 142.9E	h= 50km 40	H=05:44:05.9(U) 05:44:07 (M)	
18. z	08 42 02.0	Gebiet der Kodiak-Insel	56.5N; 152.4W 56.5N; 152.5W	h= 13km	H=08:30:37.8(U) 08:30:40 (M)	
18. z	08 58 50					
18. z, n, e	09 20 58 21 53.1	Tirol, Österreich	47.1N; 10.5E		H=(09:19:45) (B)	
18. z, n, e	09 29 29.9K 29 46	S-lich von Hondo, Japan	31.3N; 140.9E 31.7N; 140.8E	h= 53km	H=09:16:54.3(U) 09:16:54 (M)	
18. z, n, e	12 31 40.2K 33 54	Gebiet der Fidschi-Inseln	17.5S; 178.3W	h=562km	H=12:13:04.4(U)	
18. z	13 47 00 47 25	Vor der Küste von Hokkaido, Japan	42.8N; 147.6E 42.9N; 147.8E	h= 47km	H=13:35:03.1(U) 13:34:56 (M)	
18. z	14 12 39 12 57	N-Atlantik	35.1N; 17.5W 35.3N; 16.8W	h= 38km	H=14:06:59.5(U) 14:07:02 (M)	
18. z	15 31 09					
18. z, n, e	15 39 40.5 39 43 40 02 40 36.3 40 39 40 51 41 03	Slowenien, Jugoslawien	46.4N; 13.8E 46.4N; 13.7E	h= 33km	H=15:38:26 (B) 15:38:27.5(U)	
18. z, n, e, V	16 51 18 51 29.8K 52 25 54 13.5 54 45.7 55 03 55 48	Neue Hebriden	13.7S; 167.2E 13.8S; 169.4E	h=201km 200	H=16:32:29.1(U) 16:32:26 (M)	
18. z	17 01 21					
18. z	18 46 40	Nikaragua	11.0N; 85.1W	h=182km	H=18:33:36.0(U)	
18. z	21 04 23					
19. z	03 53 25 53 38	Kurilen	43.3N; 147.8E 43.3N; 147.8E	h= 41km	H=03:41:30.8(U) 03:41:30 (M)	
19. z, e	05 20 44 20 56	Kurilen	43.5N; 147.7E 43.2N; 148.2E	h= 43km	H=05:08:50.1(U) 05:08:46 (M)	
19. z, n, e	08 39 03 39 15 40 15		43.3N; 147.8E 43.5N; 147.9E	h= 37km	H=08:27:08.0(U) 08:27:08 (M)	
19. z, n, e	09 18	Kurilen				

Juni 1975		0.9/24		43.4N; 147.7E h= 35km H=08:52:14.9(U)	
19. z	IP	09 04 09.8	0.9/24	43.4N; 147.7E	h= 35km H=08:52:14.9(U)
z	IP	04 23.1	Kurilen	43.6N; 147.6E	08:52:15 (M)
z	e	04 52			
19. z	ePKKP	09 10 21	Tonga-Inseln	21.4S; 174.2W	h= 33km H=08:50:38.0(U)
z	e	10 30			
z	epPKP	10 38			
19. z,n,e	IPn	10 13 34.8	1100km MIH=5.1	41.5N; 15.8E	H=10:11:14 (B)
n,e	eSn	15 19	S-Italien	41.7N; 15.8E	h= 16km H=10:11:13.6(U)
z,y	e	15 34		41.5N; 15.4E	10:11:09 (M)
z,v	eSg	16 43			
z,v	e	16 49			
z	eIm	16 56	t8 an2.5 ae10		
N,E	eIm	17 44	t9 av3.5		
V	eIm				
19. z	e	10 41 37			
19. N,E,V	eIm	10 45			
19. z,n	e	12 37 08			
19. z,n,e	IP	13 12 17.3K	1.3/120		
z	e	12 35			
z	ePP	15 20	Unterirdische Kernexplosion, 37°21'01.25"N; 116°19'12.79"W		
N,E	eIm	52	Nevada - Testort	h= 0km H=13:00:00.1(U)	
19. z	e	15 02 23			
19. z	eP	16 25 19	El Salvador	13.4N; 89.3W	h= 93km H=16:12:42.2(U)
19. z	ePKP	18 27 15			
19. z	e	19 44 52	Spuren		
19. z	e	20 04 28			
19. z	e(P)	20 45 25	Mittelmeer, E-lich von Kreta	35.0N; 26.8E	H=20:40:53 (B)
				35.1N; 26.7E	h= 48km H=20:40:52.4(U)
				34.5N; 26.4E	20:40:46 (M)
19. z	eP	22 48 53			
20. z	IPKP ₁	00 38 55.2D	0.9/28		
			Gebiet der Fidschi-Inseln	20.6S; 177.8W	h= 310km H=00:19:48.2(U)
20. z,e	IPKP ₁	08 01 54.1	1.1/26		
z	ePKP ₂	02 03			
z	epPKP	03 56	S-lich der Fidschi-Inseln	24.2S; 179.3E	h= 502km H=07:43:00.7(U)
20. N,E	eIm	08 40			
V	eIm	49			
20. z	e	08 55 29	Spuren		
20. z	e(P)	08 56 23	Gebiet von Spitzbergen	77.7N; 17.8E	h= 6km H=08:50:36.7(U)
z	e	56 30		77.6N; 18.9E	08:50:40 (M)
z	e	09 03 25			
z	e	04 23			
20. z	eP	09 24 19	S-Iran	26.2N; 54.1E	H=09:16:42 (B)
				26.2N; 54.3E	09:16:46.5(U)
				26.2N; 54.2E	09:16:43 (M)
20. z,n,e	IPg	11 40 31.1	120km Sprengung		
n,e	1	40 43.1	NW-Böhmen, CSSR		
n,e	1Sg	40 45.1			
z,v	1	40 47.0			
z,n,e,N,E,V	eIm	40 57			



Juni 1975		12 45 42		42.8N; 148.0E h= 33km H=13:05:19.0(U)	
20. z	e	12 45 42		42.8N; 148.0E	h= 33km H=13:05:19.0(U)
z	IP	13 17 17.8	Vor der Küste von	43.0N; 148.2E	13:05:19 (M)
z	e	17 34	Hokkaido, Japan		
20. z	eP	13 58 48	Kaspisches Meer	42.7N; 48.0E	h= 33km H=13:53:25.0(U)
z,n,e	e			43.0N; 48.2E	13:53:22 (M)
20. z,e	IP	14 18 28.8	1.2/22	27.4N; 59.9E	H=14:10:34 (B)
z	IP	18 46.8	S-Iran	27.6N; 58.7E	h= 68km H=14:10:47.1(U)
				26.8N; 58.8E	14:10:37 (M)
20. z,e	eP	15 59 17	1.4/28		
20. z,n,e	IPKP ₁	16 45 23	1.1/36		
z	IPKP ₂	45 35.7			
z	epPKP	47 35	S-lich der Fidschi-Inseln	25.0S; 178.4E	h= 599km H=16:26:35.2(U)
20. z,e	IP	21 28 35.5K	1.4/35	31.8N; 40.9W	h= 33km H=21:20:32.2(U)
			N-atlantischer Rücken	32.5N; 41.2W	21:20:30 (M)
21. z	e(pPKP)	01 31 35	Oster-Rücken	23.3S; 115.1W	h= 21km H=01:12:13.5(U)
21. z	eP	04 17 43	Golf von Antalya	36.5N; 30.9E	H=04:13:15 (B)
				36.3N; 31.0E	h= 86km 04:13:18.9(U)
21. z,e	IPKP ₁	07 53 14.2	1.4/20		
			Tonga-Inseln	20.3S; 173.8W	h= 33km H=07:33:28.0(U)
21. z,n,e	IPg	07 55 19.4	180km Spuren Sprengung, Polen		
z,n,e	1Sg	55 42.1			
21. z	e	08 37 12			
21. z	e	10 31 17			
21. z	ePKP	14 20 24	Salomonen	5.8S; 154.4E	h= 403km H=14:02:10.4(U)
				6.6S; 154.7E	14:01:26 (M)
21. z,e	eP	16 24 04	Türkei	36.1N; 31.2E	h= 33km H=16:19:29.9(U)
21. z,e	e(Sn)	16 51 45	Gebiet von Aachen, BRD	50.8N; 6.1E	H=16:49:52 (B)
z,n,e	eSg	52 07		50.8N; 6.0E	h= 28km 16:49:51.3(U)
21. z	ePKP ₁	17 56.44	1.0/17		
			Gebiet der Fidschi-Inseln	21.0S; 178.1W	h= 490km H=17:37:51.9(U)
21. z	IP	21 06 32.6D	0.8/15		H=20:54:34 (S)
			Kurilen		
21. z	IP	21 11 07.8	0.7/14		H=20:59:10 (S)
			Kurilen		
22. z	eP	02 02 35	1.2/22	43.4N; 147.7E	h= 41km H=01:50:40.4(U)
			Kurilen	43.4N; 147.8E	01:50:39 (M)
22. z	eP	02 04 09			H=01:52:15 (B)
22. z,n,e,N,E,V	IP1	02 36 43.7D	3.2/1200		
z	IP2	36 47.5			
z,v	ePP	40 18			
N,E	e	41 14	87.5° MIH=6.6		
N,E	eSKS	47 10			
z,n,e,N,E	e(S)	47 23			
N	e(PS)	48 20	S-lich von Hondo, Japan	30.1N; 142.1E	h= 33km H=02:23:58.7(U)
E	e	53 02		30.0N; 142.3E	02:23:53 (M)
z	ePKPPKP	03 02 42			
N,E,V	eIm	17	t15 an15 ae11.5 av13		

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22. z,n,e,N,V	iP 1 epP	04 36 30.2K 1.2/270 36 37.9 37 06	Kamtschatka	52.0N;157.6E h=133km H=04:25:15.3(U) 52.0N;157.5E 150 04:25:16 (M)
22. z	eP	04 48 13	S-lich von Hondo, Japan	30.0N;142.1E h= 33km H=04:35:26.7(U) 30.2N;142.0E (M) 04:35:23 (M)
22. z	eP	04 54 06	S-lich von Hondo, Japan	30.0N;142.1E h= 33km H=04:41:16.7(U) 30.3N;142.0E (M) 04:41:19 (M)
22. z	eP eFP	07 35 33 38 53	S-lich von Hondo, Japan	30.0N;142.0E h= 27km H=07:22:42.2(U) 30.3N;142.0E 20 07:22:43 (M)
22. V	e	08 20		
22. z	iPKP ₁	12 01 57.6K 1.0/27	Gebiet der Fidschi-Inseln	17.8S;177.2W h=419km H=11:43:05.9(U)
22. z,n,e	eSg	17 55 50	Bergschlag Oberschlesien, Polen	(P)
22. z,e	e	16 48 39 48 47		
22. z,n,e	eP 1	22 56 07 56 08.7	78° MSH=6.2 MLH=6.7 1.3/230	
23. z	e	23 05 59 12 16	t15 an2.2 ae2.3 Kurilen	43.2N;147.2E h= 21km H=22:44:10.2(U) 43.9N;146.8E 22:44:11 (M)
23. z,n,e,N,E	e(SS) e(PKPKP) eLm F	23 30 35	t15 an22 ae12.5 av19	
22. z	eP ipP e	23 12 49 K 1.4/63 12 59.8 13 17	Kurilen	43.0N;147.3E h= 33km H=23:00:53.0(U) 42.9N;147.5E 23:00:46 (M)
22. z	e	23 27 39		H=23:35:56 (S)
22. z	eP e	23 47 52 48 02	Kurilen	
22. z	eP ipP	23 49 10 49 20.4	1.2/16 Kurilen	43.0N;147.2E h= 35km H=23:37:14.0(U) 41.9N;148.0E 23:36:59 (M)
22. z	e	23 51 14		
22. z	eP epP	23 55 43 55 53	Vor der Küste von Hokkaido, Japan	42.7N;147.2E h= 64km H=23:43:48.8(U)
23. z	iPKP ₁	00 21 28.6D 0.9/17	S-lich der Fidschi-Inseln	24.0S;179.8W h=368km H=00:02:21.7(U)
23. z	e(P)	00 29 12	Mittelindischer Rücken	12.2S; 65.6E h= 33km H=00:17:19.4(U) 12.7S; 65.5E 00:17:15 (M)
23. z	eP epP	01 34 40 34 51	1.0/19 Vor der Küste von Hokkaido, Japan	42.9N;147.3E h= 39km H=01:22:43.2(U) 44.5N;147.0E 110 01:22:59 (M)
23. z	eP ipP	01 39 54 40 05.6	1.1/15 Vor der Küste von Hokkaido, Japan	42.8N;147.3E h= 38km H=01:27:57.1(U) 42.9N;147.4E 01:27:57 (M)
23. z	eP e(P)	01 55 38 58 23	Nahe der E-Küste von Kamtschatka	55.2N;162.7E h= 38km H=01:44:18.9(U) 55.1N;162.5E 70 01:44:20 (M)
23. z	e	02 20 14		

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23. z	e	05 53 05	Spuren	
23. z	iP epP eS eLm	09 25 37.7K 1.9/105 25 48 35 26	78° MLH=5.9 t15 an4.5 ae2 av3.5 Kurilen	43.0N;147.3E h= 36km H=09:13:41.5(U) 44.1N;147.0E 90 09:13:52 (M)
23. z,n,e,V	iPKP e e e	09 44 36.7 44 46 44 52 47 03	1.4/130 Gebiet der Fidschi-Inseln	17.3S;179.0W h=563km H=09:26:01.4(U)
23. z	eP e	09 56 24 56 33	Mindoro, Philippinen	12.9N;121.0E h= 53km H=09:43:19.7(U) 12.7N;121.4E 09:43:15 (M)
23. z	e(P)	10 44 39	Golf von Patras, Griechenland	38.1N; 21.5E H=10:41:08 (B) 38.2N; 21.3E h= 33km 10:41:07.9(U)
23. z	iP e	12 08 22.6 08 33	1.3/26 Kurilen	43.0N;147.0E h= 38km H=11:56:27.2(U) 43.2N;147.3E 11:56:26 (M)
23. z	eP epP	12 57 20 57 31	Kurilen	43.0N;147.0E h= 37km H=12:45:24.6(U) 43.1N;147.1E 12:45:24 (M)
23. z,n,e	iPn iPg iSn i iSg iL eLm F	13 18 08.9D,S,W 1.7/1700 18 11.8 220km MLH=5.2 18 31.2 18 34.7 18 39.2 18 45.7 18 49 40	Werratal, Grenzgebiet BRD - DDR t5 an(90) ae(105) av(100)	50°48.594'N; 9°58.271'E (Potsdam) 50°50'N; 9°58'E H=13:17:36 (B) 50.6N; 9.9E h= 33km 13:17:38.4(U) 50.9N; 9.7E 13:17:32 (M)
23. z	iPKP e	15 30 38.1K 1.5/33 32 18	Tonga-Inseln	16.5S;173.8W h= 79km H=15:11:09.8(U)
23. z	e	15 40 05		
23. z,e	eP	22 29 58	Kurilen	43.0N;147.0E h= 41km H=22:18:02.9(U) 43.0N;147.4E 22:18:01 (M)
24. z,n	e	00 33 45		
24. z	e	01 42 48		
24. z	e	02 47 23		
24. z	e(P)	03 48 24	Golf von Patras, Griechenland	38.3N; 21.6E H=03:44:57 (B) 38.4N; 22.0E h= 88km 03:45:00.5(U)
24. z	eP e	11 52 27 52 39	Vor der Küste von Hokkaido, Japan	42.3N;148.0E h= 33km H=11:40:25.4(U)
24. z	ePKP ₂	12 35 56	Kermadec-Inseln	30.4S;177.8W h= 11km H=12:15:27.0(U)
24. z	e	16 40 45		
24. z	eP	19 04 25	Kurilen	43.4N;147.7E h= 32km H=18:52:29.4(U) 44.1N;147.6E 70 18:52:37 (M)
24. z	e	20 50 54		
24. z	iPKIKP iPKP ₁ epPKP ₁	21 35 02.5 35 06.3K 1.4/110 35 16	Tonga-Inseln	20.6S;174.2W h= 23km H=21:15:19.0(U) 20.3S;175.8W 21:15:25 (M)
24. z	e	23 09 02		

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24. z,n,e bis 25. N,E V	iP eFP eLm eLm	23 41 10.2D 44 17 00 17 23	SE-lich von Taiwan	22.9N;123.0E h= 13km H=23:28:39.2(U) 23.4N;123.0E 23:28:44 (M)	
25. z	e	00 16 05	Spuren		
25. z	e	00 23 05			
25. z,n	e	00 46 27			
25. z	eP	01 15 01	N-atlantischer Rücken	12.9N; 44.7W h= 33km H=01:04:56.0(U)	
25. z z	eP e	05 10 05 10 17	D Vor der Küste von Hokkaido, Japan	42.9N;147.0E h= 50km H=04:58:10.1(U) 43.0N;147.2E 04:58:08 (M)	
25. z	e	15 08 16			
25. z z	iP e	16 26 19.1 26 42	1.2/26 Kurilen	43.2N;147.9E h= 11km H=16:14:18.9(U) 44.4N;147.5E 90 16:14:34 (M)	
25. N,E V	eLm eLm	20 14 16	t17 an1.5 ae2.5 t16 av2.5 Vor der Küste von Jalisco, Mexiko		(U)
25. z	e	20 20 27			
25. z	e	23 10 27			
25. z	e	23 35 55			
26. z	e	01 26 06			
26. z z	eP epP	06 57 58 58 17	Guatemala	14.0N; 90.8W h= 76km H=06:45:17.6(U)	
26. z	ipP	07 43 59.0K	1.1/22 Kurilen	43.3N;147.0E h= 37km H=07:31:52.8(U)	
26. z,n,e z	eP e	08 11 16 11 29	K 1.6/40 Fuchs-Inseln, Aleuten	52.4N;168.7W h= 37km H=07:59:27.2(U) 53.2N;169.3W 07:59:31 (M)	
26. z N,E N,V	iP eL eL	08 20 06.5K 50 57	1.2/27 Vor der E-Küste von Kamtschatka	52.9N;160.1E h= 33km H=08:08:41.8(U)	
26. z	eP	09 29 34	Spuren, Kurilen	43.2N;147.0E h= 39km H=09:17:38.3(U)	
26. z z	eP epP	09 41 40 41 52	Kurilen	43.3N;147.0E h= 40km H=09:29:46.3(U)	
26. z z,n,e z z,n,e,N,E	iP e epP e esP esKB	10 04 09.2D 04 35 05 44 05 53 06 30 13 59	1.6/115 84° h=400km S-lich von Hondo, Japan	31.9N;138.1E h=389km H=09:52:19.9(U) 32.1N;137.9E 400 09:52:22 (M)	
26. z,n,e z N,E N,E,V	iP e eL eLm	10 43 06.3K 43 17 11 14 22	1.5/54 t20 an1 ae2 t17 an2.5 ae2 av2 Gebiet der Kurilen	43.3N;148.0E h= 10km H=10:31:06.7(U) 44.5N;147.5E 90 10:31:23 (M)	
26. z	eP	11 17 36			



Juni 1975		1.5/210			
26. z,n,e z z N,E,V	iP e eFP eLm	12 42 17.8K 42 39 45 18 13 21	1.5/210 Unterirdische Kernexplosion, Nevada - Testort	37°16'44.14"N;116°22'06.90"W h= 0km H=12:30:00.2(U)	
26. z z N,E V	iP i eLm eLm	13 18 59.3D 19 06.2 54 58	1.6/94 t14 an0.5 ae1.5 Vor der Küste von Hokkaido, Japan	42.8N;148.2E h= 50km H=13:07:02.5(U) 43.1N;148.2E 13:06:56 (M)	
26. z,n,e	e	14 58 06			
26. z z N,E,V	eP e eLm	15 37 50 38 10 16 17	Taiwan	23.9N;121.7E h= 50km H=15:25:31.5(U) 24.3N;122.1E 15:25:30 (M)	
26. z z	eP eFP	17 02 07 03 42	Grenzgebiet Afghanistan - UdSSR	37.8N; 69.7E h= 17km H=16:54:18.4(U) 38.0N; 69.7E 16:54:17 (M)	
26. z	e	20 16 48			
26. z	e	23 00 44	Spuren		
26. z	eP	23 54 55	Kurilen	43.5N;147.1E h= 31km H=23:43:02.2(U)	
27. z	e	03 18 42	Spuren		
27. z,n,e z	e e	04 45 25 06 14 58			
27. z	e	06 14 58	Gebiet der Kommandeur-Inseln	54.7N;167.8E h= 26km H=06:03:09.4(U) 54.9N;167.4E 06:03:12 (M)	
27. z,n,e z,n,e	iPg iSg	08 57 35.8 57 51.6	Spuren Sprengung 10.5 t	50.29°N; 12.59°E	(C)
27. z	eP	09 08 34	Kurilen	43.6N;147.6E h= 27km H=08:56:38.1(U)	
27. z	e	09 16 55	Nahbeben		(W)
27. z,n,e z	iPg iSg	10 58 25.1 58 27.2	Sprengung		
27. z,n,e	eSg	12 45 55	Oberschlesien, Polen		(W)
27. z	ePKP	17 24 08	Gebiet der Samoa-Inseln	16.9S;172.1W h= 29km H=17:04:28.8(U)	
27. z z	e e	18 02 20 02 48			
27. z,n,e z	eP epP	19 10 11 11 02	K 1.2/27 Grenzgebiet Afghanistan - UdSSR	36.5N; 71.2E h=225km H=19:02:30.2(U) 36.1N; 71.4E 180 19:02:25 (M)	
28. z	e	00 05 12			
28. z	ePKP ₁	01 36 32	S-lich der Fidschi-Inseln	26.6S;176.5W h= 33km H=01:16:34.9(U)	
28. z z	iP e	03 02 46.7D 03 00	1.2/23 Gebiet der Kurilen	43.2N;148.0E h= 43km H=02:50:51.0(U) 43.5N;147.8E 02:50:51 (M)	
28. z	e	03 20 39			
28. z z	eP e	04 34 10 36 10	Gebiet des Hindukusch	36.5N; 70.2E h=217km H=04:26:33.2(U) 37.1N; 70.1E 230 04:26:38 (M)	
28. z z z z	ePKIKP iPKP ₁ iPKP ₂ e	04 37 16 37 23.8D 37 38.6 41 12	1.0/27 S-lich der Fidschi-Inseln	26.8S;178.1W h=205km H=04:17:48.2(U)	

Juni 1975							
28. z	i	08 01 10.6					
28. z	e	09 42 12					
28. z	ePKP	13 48 14	Salomonen	8.1S; 156.4E	h= 42km	H=13:29:11.5(U)	
28. z	e	14 01 25					
28. z	IP	14 24 08.5D	0.9/18				
28. z	IP	16 37 40.6D	1.0/15	32.6N; 49.1E	h= 58km	H=16:31:15.0(U)	
28. z	e	39 33	W-Iran	31.5N; 48.9E		16:31:05 (M)	
28. z	eP	21 42 47	Burma	22.7N; 95.0E	h=130km	H=21:32:02.2(U)	
28. z	e			22.0N; 95.4E		21:31:47 (M)	
29. z,n,e	eSg	00 00 12	E-lich von Besangon, Frankreich	47.2N; 6.3E		H=23:57:03 (B)	
29. z	e	00 30 30	Spuren	47.3N; 6.3E	h= 33km	23:57:06.2(U)	
29. z	ePKP	00 49 17	1.5/47				
29. z	eSKP	52 32	2.0/66				
			137°				
			Neue Hebriden	13.3S; 167.1E	h=190km	H=00:30:15.8(U)	
				13.3S; 167.1E	160	00:30:12 (M)	
29. z	e	01 22 24					
29. z,e	e	04 14 37					
29. z	e	06 18 02	Spuren				
29. e	e	06 45 42					
29. z	IPKP	07 08 10.3K	1.2/23				
			Gebiet der Fidshi-Inseln	17.5S; 179.0W	h=586km	H=06:49:37.9(U)	
29. z	e	07 46 09					
29. z	IP	09 14 39.8	0.8/17				
29. z,n,e	e	10 42 08					
29. z,n,e	IP	10 48 25.0D	N,E 1.8/(3300)				
N,E,V	IP		t10 an7.2	as6.2	av21.4		
z,n,e	IP	50 23.1	1.6/1550				
N,E,V	IP	51 23.2	2.4/2300		av29.5		
z,n,e	IP	57 01	t12		av25.1		
N,E,V	IP	57 14.8	t11 an26.2	as51.5			
z,n,e	IP	59 38	74.5°	h=560km			
N,E,V	IP	11 01 30	MPH ₁ =6.5	MPV ₁ =6.6	MFPV ₁ =7.1	MSH=7.3	
z,n,e	IP	02 04					
N,E,V	IP	08 20					
z,n,e	IP	13 14					
N,E,V	IP	15 34					
z,n,e	IP	18 24					
N,E,V	IP	23					
z,n,e	IP	25					
N,E,V	IP	12					
				t14 an32	as29	av45	
				t13 an33.5	as21	av25.5	
29. z	e	11 14 38					
29. z,n,e	IP	12 35 15.8K	E-liche UdSSR	53.1N; 132.2E	h= 33km	H=12:24:43.4(U)	
29. z	e	14 07 57		53.5N; 131.9E		12:24:46 (M)	

Juni 1975							
29. z	e	15 09 10	Rotes Meer			19.1N; 39.5E	h= 33km H=15:01:16.1(U)
29. z	eP	17 40 15	NW-lich von Patras, Griechenland			38.3N; 21.7E	H=17:36:55 (B)
29. z,n,e	e	40 34				38.5N; 21.6E	h= 39km H=17:36:55.6(U)
						38.3N; 21.6E	17:36:55 (M)
29. z	ePKP	19 30 28					
29. z	eP	21 53 22	Rotes Meer			18.7N; 39.8E	h= 33km H=21:45:59.3(U)
						17.9N; 39.6E	21:45:53 (M)
29. z	e	23 15 58	Spuren				
30. z	IP	03 34 40.2	Unterirdische Kernexplosion, Gebiet von Semipalatinsk, Kasachische SSR			50.0N; 79.0E	h= 0km H=03:26:57.0(U)
30. z	eP	04 28 19	Rotes Meer			17.5N; 39.7E	H=04:20:47 (M)
30. z	ePP	29 56					
30. z,n	eP	09 02 16	K 1.8/49			13.1N; 93.2E	h= 33km H=08:50:43.3(U)
30. z	e	02 30	Gebiet der Andamanen			12.8N; 93.4E	08:50:41 (M)
30. z,n,e	IPKP ₁	10 52 50.9D	0.9/65				
z	IPKP ₂	52 57.3					
z	ePKP	53 41	S-lich der Fidshi-Inseln			23.5S; 177.3W	h=220km H=10:33:22.3(U)
30. z,n,e,V	eP	13 30 17	2.2/57				
z	IPP	30 26	1.5/105				
z,n,e,V	eSS	33 22					
	eIm	36 20	t13		av2.5		
			Gebiet von Patras, Griechenland			38°21'N; 21°38'E	H=13:26:56 (B)
						38.5N; 21.6E	h= 11km H=13:26:55.8(U)
						38.7N; 21.4E	13:26:59 (M)
30. z,n,e	e	13 47 23					
z,n,e	e	47 33					
30. z	e(P)	15 30 53	N-lich von Patras, Griechenland			38.3N; 21.7E	H=15:27:25 (B)
						38.4N; 21.5E	h= 34km H=15:27:25.6(U)
30. z,n	eP	18 43 56	1.3/32				
			N-lich von Patras, Griechenland			38.3N; 21.7E	H=18:40:29 (B)
						38.4N; 21.6E	h= 27km H=18:40:30.0(U)
						38.4N; 21.3E	18:40:29 (M)
30. z,n,e	IP	18 56 36.8K	1.3/30				
z	e	56 46	Baffin-Land			71.4N; 71.3W	H=18:48:58 (M)
30. z,n,e	eP	19 05 46	2.3/88				
z,n	e	05 58					
z	e	06 30	72.5°				
z	ePP	08 27					
z,n	eS	15 08	Yellowstone-Nationalpark, Wyoming			44.7N; 110.6W	h= 7km H=18:54:13.4(U)
	eSoS	15 50				45.6N; 110.8W	18:54:22 (M)
	eIm	38	t18		av5.5		
30. z	eP	19 11 58	Yellowstone-Nationalpark, Wyoming			44.8N; 110.7W	h= 5km H=19:00:27.4(U)
30. z	eP	23 05(34)	N-lich von Patras, Griechenland			38.4N; 21.6E	H=23:02:17 (B)
						38.4N; 21.4E	h= 48km H=23:02:19.7(U)
30. z	eP	23 11 27	Michoacan, Mexiko			18.3N; 102.8W	h= 27km H=22:58:24.0(U)
	eIm	58				18.5N; 102.9W	22:58:24 (M)
30. z	e(P)	23 56 31	N-lich von Patras, Griechenland			38.3N; 21.6E	H=23:53:04 (B)
						38.6N; 21.8E	h= 56km H=23:53:07.0(U)
						38.6N; 22.1E	23:53:09 (M)

Geophysikalisches Observatorium Collm
der Karl-Marx-Universität Leipzig



Geophysikalische Meßreihen

3 1975

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

S E I S M I C

R E C O R D S

S E I S M I S C H E

R E G I S T R I E R U N G E N

III. quarter 1975

III. Quartal 1975

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 non-inductive 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 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 rock bursts are leaved out in this bulletin because of their unimportant force.

Evaluation

- 1 Date
- 2 Instrument

- 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 Observatoriumhauptgebäudes 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

4. 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 Kleinquartzuhr. Diese Uhr gibt Minutenimpulse von 2 s und Stundenimpulse von 20 s Dauer. Als Reserve dient eine Pendeluhr. Die Uhren werden täglich mit den Sekundenignalen 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

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

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

6 Remarks; at first the own statements without mention of sources, e.g. epicentral distance, depth of focus, magnitudes after the recommendations of Zurich 1967 (index k: shortper.; index l: longper.) respectively after station-specific equations (M_c from shortperiodic longitudinal core waves; M_{ag}); than the dates of the seismic central offices or other stations with the following abbreviations:

U: USNEIS
M: Moskau/ANSSSR
B: BCIS
G: Griechenland

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

t an ae av
average period [sec] amplitudé from N,E,V [μ];
in the sequence z,n,e
 T / A
period [sec] amplitude [$m\mu$].

1.1 Falling out of the records

Oktober:

Z,WN,WE 08. 06.54 - 07.38

1.2 Constants of the seismographs

6 Bemerkungen; zuerst eigene Aussagen ohne Quellenangabe, wie Epizentraldistanz, Herdtiefe, Magnituden nach den Empfehlungen von Zurich 1967 (Index k: kurzper.; Index l: langper.) bzw. nach stations-spezifischen Gleichungen (M_c aus kurzperiodischen longitudinalen Kernwellen; M_{ag}); dann Daten der Seismischen Zentralen oder anderer Stationen mit folgenden Abkürzungen:

P: Polen
C: Pruhonice
S: Uppsala
W: Wien

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

t an ae av
mittlere Periode [sec] Amplitude von N,E,V [μ];
in der Reihenfolge z,n,e
 T / A
Periode [sec] Amplitude [$m\mu$].

1.1 Ausfall der Registrierungen

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	10.0	0.28			0.026	370		15
WE	10.0	0.34			0.020	340		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

2. Auswertung

2. Evaluation

Juli 1975							
1. z	e	03 33 42	N-lich von Spitzbergen	80.5N; 2.4W h= 33km H=03:27:28.9(U) 80.5N; 5.6W 03:27:22 (M)			
1. z	eP	09 36 16	Gebiet von Taiwan	24.8N;122.4E h=105km H=09:24:05.1(U) 24.8N;122.9E 09:23:56 (M)			
1. z	e	11 30 18					
1. z	e	12 05 02	Bergschlag Oberschlesien, Polen				(P)
1. z	e	12 57 02					
1. z	e	13 07 14					
1. z	e	14 40 56					
1. z	e	19 06 25	Bergschlag Oberschlesien, Polen				(P)
1. z	e(P)	20 45 57	Carlsberg-Rücken	6.6N; 60.1E h= 33km H=20:36:02 (I)			
1. z	e	21 04 23	Spuren				
1. z	epP e	21 54 34 55 00	Carlsberg-Rücken	8.2N; 59.8E h= 33km H=21:44:58.5(U)			
2. z N,E V	e(P) eIm eL	01 07 11 12 13	N-lich von Patras, Griechenland	38.3N; 21.7E H=01:03:41 (B) 38.6N; 21.8E h= 17km 01:03:42.1(U)			
2. z	e	01 30 35					
2. z	e(P)	01 33 56	N-lich von Patras, Griechenland	38.3N; 21.6E H=01:30:27 (B) 38.5N; 21.5E h= 37km 01:30:29.3(U)			
2. E	eL	02 28	Griechenland				(U)
2. z,n,e	e(PKP ₁)	03 46 45	W-lich der Macquarie-Insel	57.5S;148.1E h= 33km H=03:26:51.1(U)			
2. z	e(P)	04 52 03	Spuren, N-lich von Patras, Griechenland	38.4N; 21.7E H=04:48:34 (B) 38.5N; 21.8E h= 37km 04:48:35.1(U)			
2. z	e	06 17 22					
2. z	e(P)	07 22 09	1.5/25 Kamtschatka	55.7N;160.3E h= 33km H=07:10:56.3(U) 55.7N;160.0E 07:10:58 (M)			
2. z,e	eP	07 45 35	1.7/30 Kamtschatka	55.8N;160.4E h= 25km H=07:34:22.2(U) 55.8N;160.3E 07:34:23 (M)			
2. z	e	09 41 43					
2. z	e	10 27 26					
2. z z	eP e	11 15 26 18 05	Grenzgebiet Kaschmir - Tibet	32.5N; 78.6E h= 33km H=11:06:29.5(U) 32.7N; 78.5E 11:06:31 (M)			
2. z	iP	19 54 11.9D	1.0/37 Kurilen	48.3N;154.4E h= 59km H=19:42:33.5(U) 48.3N;154.5E 70 19:42:34 (M)			
2. z	e	20 03 13	Spuren				
2. z	e	20 59 58					
2. z	ePKP	23 25 22	1.2/33				

Juli 1975

3. z	e	01 27 24	Spuren				
3. z	ePKP	01 52 49	1.3/25 Gebiet der Fidschi-Inseln	17.2S;177.2W h=423km H=01:34:01.8(U)			
3. z	e	02 19 13					
3. z	eP	03 59 23	Kurilen	43.3N;147.9E h= 29km H=03:47:25.8(U) 43.4N;148.0E 03:47:27 (M)			
3. z	e(PKP)	04 52 03	Spuren, Salomonen	7.9S;154.5E h= 41km H=04:32:55.3(U)			
3. z,n,e	e	05 04 50					
3. z z	iP e	06 34 51.1K 35 10	Vor der Küste von Hokkaido, Japan	42.5N;148.0E h= 33km H=06:22:49.5(U) 42.8N;148.3E 06:22:51 (M)			
3. z	eP	06 45 19	Kurilen	46.5N;152.2E h= 0km H=06:33:27 (I)			
3. z	e	15 48 26					
3. z	eP	18 56 39	1.3/21 Riu-kiu-Inseln	27.0N;128.4E h=124km H=18:44:23.6(U) 26.9N;128.5E 18:44:13 (M)			
3. z	i	21 02 01.7					
3. z z	eP e	22 03 48 04 54	Kamtschatka	55.5N;160.4E h= 57km H=21:52:33.7(U) 55.4N;160.6E 70 21:52:41 (M)			
3. z z	e e	23 19 42 23 05					
4. z	e(P)	00 28 17	N-lich von Patras, Griechenland	38.3N; 21.8E H=00:24:48 (E) 38.4N; 21.6E h= 33km 00:24:47.5(U)			
4. z	e	00 32 04					
4. z	e	08 50 36	Spuren				
4. z z	e e	10 57 19 57 37					
4. z z,n,e,V	iPKIP iPKP ₁ epPKP ePP eIm E V	11 45 09.7 45 15 K 2.2/250 45 29 49 05 12 57 13 02 09	Tonga-Inseln	21.3S;174.1W h= 15km H=11:25:24.5(U) 21.2S;173.6W 11:25:23 (M)			
4. z,n,e	e(L)	12 10 57					
4. z	e	12 13 16					
4. z,n,e z,n,e	iPg eSg	16 09 52.8 10 27	Spuren Sprengung				
4. z z z,n,e z z	eP e e(P) e ePKP	20 54 22 57 42 58 50 21 00 07 09 35	109° Gebiet der Insel Flores	8.2S;123.0E h=132km H=20:40:10.9(U) 8.1S;123.2E 150 20:40:13 (M)			
4. z	e	23 12 30					
4. z,n,e	e	23 48 42					
5. z	eP	00 17 48					

Juli 1975

5. z	e	01 30 38	Gebiet des Tschagos-Archipels	3.2S; 68.2E h= 33km H=01:19:12.5(U)
5. z	iP esP	02 30 49.8 31 35	1.2/17 Nahe der E-Küste von Hondo, Japan	36.7N;140.2E h=117km H=02:18:46.9(U) 36.3N;140.2E 02:18:35 (M)
5. z	e	03 01 58	Spuren	
5. z,n,e	iFKP ₂ e(SKF)	09 50 11.9K 52 08	1.6/55 Gebiet der Kermadec-Inseln	31.3S;179.7E h=408km H=09:30:30.4(U)
5. z,n	e	10 35 55	Mittelmeer	36.1N; 26.6E H=10:31:42 (B) 35.7N; 22.8E h= 65km 10:31:49.8(U) 35.4N; 23.2E 10:31:48 (M)
5. z	e	10 56 13 57 21		
5. z,n	ePn	12 49 54	390km	
z,n,e	iPg	50 06.9		
z	i	50 23.0	Oberösterreich	47°55'N; 14°12'E H=12:49:00 (B)
z,n,e	e(Sn)	50 35		47.9N; 14.1E h= 33km 12:49:01.5(U)
z,n,e,V	iSg	50 52.9		
H,E,V	eIm	51 14		
5. z	e	12 53 51		
5. z	eFKP ₁ epPKP	21 06 18 D 08 22	1.0/33 Gebiet der Fidschi-Inseln	20.2S;177.8W h=547km H=20:47:34.2(U)
5. z	iPKP e eFP	21 58 31.6 22 00 54 01 53	1.2/31 Gebiet der Fidschi-Inseln	18.0S;178.5W h=601km H=21:39:58.1(U)
6. z	eP	02 50 03	Kurilen	43.8N;147.7E h= 33km H=02:38:08.9(U)
6. z	eFKP e	02 56 30 K 56 46	1.2/18 Tonga-Inseln	18.6S;173.3W h= 33km H=02:36:47 (I)
6. z	eP ePcP	10 47 44 49 04	E-licher Golf von Aden	13.2N; 51.7E h= 33km H=10:38:56.9(U) 12.7N; 51.9E 10:38:53 (M)
6. z	iFKP	14 36 35.7	1.2/20	
6. z	eP e e(FP)	21 19 07 22 46 23 13	N-Celebes	0.1N;124.8E h= 90km H=21:05:14.6(U) 0.1N;124.8E 21:05:08 (M)
6. z	e	21 45 52	Spuren	
7. z,n,e	i(Pg) iSg	00 38 02.6 38 24.2	W-Polen	
7. z	iP	05 13 36.2	1.2/18 Nahe der E-Küste von Hondo, Japan	37.1N;141.8E h= 40km H=05:01:22.5(U) 37.2N;141.8E 05:01:23 (M)
7. z,n,e	e	10 23 54		
7. z	e	11 24 09	Spuren	
7. z	eP	12 29 04	1.6/24 Gebiet der Vulkan-Inseln	23.9N;142.9E h= 33km H=12:15:53.9(U) 24.0N;142.9E 12:15:55 (M)
7. z	iP	18 02 22.1K	Taiwan	23.0N;120.0E h= 23km H=17:50:00.1(U) 23.8N;120.0E 17:50:06 (M)
7. z	e	18 57 45		

Juli 1975

7. z,n,e	iP	19 41 30.6K	1.6/78	
z	ePP	45 05		
N,E	eSKS	51 48		
z,N,E	eS	52 10	90.5° MLH=5.6	
n,e,V	e	53 18		
z	eSP	53 27	Gebiet der Vulkan-Inseln	25.9N;141.0E h=119km H=19:28:42.1(U)
z	ePKKP	58 58		25.8N;141.1E 100 19:28:39 (M)
z	ePKPPKP	20 07 03		
N,E	eIm	21	t14 an1 ae1	
V	eIm	30		
7. z	iP	20 37 08.7K	Nahe der E-Küste von Hondo, Japan	37.1N;141.9E h= 36km H=20:24:55.1(U)
z	epP	37 20		37.4N;141.7E 20:24:57 (M)
7. z	e	22 07 15		
8. z	e	00 00 08		
8. z	e	03 46 54		
8. z,n,e,N,E,V	eP	09 50 12	1.9/72	
z,n	e	52 38		
z	ePP	53 37	87° MLH=7.1	
z,n,e,N,E	eS	10 00 52		
N,E	eSS	06 32	Golf von Kalifornien	29.5N;113.3W h= 33km H=09:37:27.3(U)
N,E	eSSSS	13 04		27.5N;114.0W 09:37:17 (M)
N,E	eIm	23	t20 an53.5 ae56.5	
V	eL	28	t17 av31.5	
8. z,n,e	iFKP ₁ epPKP	11 05 18.7K 05 29	1.8/64 Tonga-Inseln	20.0S;173.5W h= 12km H=10:45:31.2(U)
8. z	e	11 11 03		
8. z	e	11 25 40		
8. z,n,e,N,E,V	iP	12 15 28.2		
z	i	15 30.1	2.0/1700	
z,V	epP	16 03		
z,V	e	16 22	68.5° h=100km MSH=6.7	
z	e	17 26		
N,E,V	esPP	18 36	MLH=6.8 (nicht tiefenkorrigiert)	
E,V	e(FPP)	19 48		
z,n,e,N,E,V	eS	24 21	t12 an8.5 ae9.6	
N,E	esS	24 58		
z	e	25 52		
N	e(SS)	29 10		
z	ePKPPKP	43 41	Burma	21.5N; 94.7E h=157km H=12:04:42.4(U)
z	e	44 17		21.2N; 94.9E 100 12:04:35 (M)
z	eSKPPKP	47 16		
z	ePKPPPKPPKP	13 03 14		
N,E	eIm	43	t20 an48 ae17.5	
N,E,V	eL	49	t18 an20 ae27.5 av34.5	
8. z	eP	15 00 56	Tibet	35.5N; 87.7E h= 33km H=14:51:31.9(U) 35.5N; 87.7E 14:51:28 (M)
8. z	e	15 38 23		
8. z,n	iPg	16 00 22.6	Spuren Sprengung	
z,n,e	iSg	00 39.1		
8. z	eP	18 20 34	Mindoro, Philippinen	13.4N;120.1E h= 43km H=18:07:37.5(U)
z	epP	20 45		13.6N;120.5E 18:07:36 (M)
N,E	eL	19 03		
8. z	e	21 09 19	Andreanow-Inseln, Aleuten	51.5N;178.3W h= 57km H=20:57:22.7(U) 50.9N;177.3W 20:57:12 (M)
8. z,n,e,V	iP1	22 58 51.7D	1.4/340	
z,n,e,V	iP2	58 58.2D	1.6/420	
i	i	59 08.2	1.1/350	
z	e	23 01 40	85° MSH=6.1 MLH=6.0	
z,V	ePP	02 07	S-lich von Hondo, Japan	32.8N;142.2E h= 51km H=22:46:19.6(U) 33.1N;142.2E 40 22:46:20 (M)

Fortsetzung nächste Seite

Juli 1975

Fortsetzung					
e,N,E	eSES	23 09 14	t14 an2.0 ae1.7		
n	eS	09 27			
z	eFS	10 13			
N	eSS	15 16			
z	ePKKP	16 56			
N,E	eLm	41	t17 an5 ae2.5		
V	eL	46	t16 av7		
9. z	iPKP ₁	00 15 47.1D	1.0/18	18.4S; 174.7W h=183km	H=23:56:26.0(U)
			Tonga-Inseln		
9. z	eP	01 18 02	Laristan, Iran	28.6N; 52.6E	H=01:10:50 (B)
9. z	eP	04 26 56	Riu-kiu-Inseln	27.3N; 129.4E h= 57km	H=04:14:31.0(U)
z	e	27 05			
9. z	i	08 32 14.2	0.8/16		
9. z	eP	11 41 23	Burma	21.5N; 94.7E h=178km	H=11:30:39.9(U)
9. z	iP	11 46 39.3K	77.5° MIH=5.6		
z,n,e	i	46 42.2	1.4/90		
z	e	47 11	Kurilen	43.5N; 147.3E h= 36km	H=11:34:45.7(U)
N,E	eS	56 28		43.9N; 147.3E	11:34:46 (M)
N,E,V	eLm	12 25	t15 an2 ae1 av2		
9. z,n,e	iP	13 07 49.2K	1.1/110		
z	e	08 08	Riu-kiu-Inseln	28.2N; 130.0E h= 33km	H=12:55:23.0(U)
z	ePP	10 56		28.7N; 129.8E	12:55:26 (M)
N,E,V	eLm	49	t14.5 an2.5 ae2 av3.5		
9. z	eP	14 07 06	Provinz Jünnan, China	24.1N; 103.4E h= 33km	H=13:55:44.6(U)
				23.9N; 103.3E	13:55:45 (M)
9. z	e	14 35 49			
9. z	e(P)	15 02 00	E-liches Mittelmeer	36.0N; 30.0E	H=14:57:25 (B)
				36.0N; 29.6E h= 19km	14:57:23.2(U)
9. z	eP	15 08 05	Kurilen	43.0N; 147.3E h= 33km	H=14:56:07 (I)
9. z	e	23 27 38			
10. z	e	01 10 18			
10. z	eP	01 14 14	Kurilen	43.5N; 146.8E h= 0km	H=01:02:16.4(I)
10. z	eP	03 04 31			
10. z,n,e	iP	05 43 03.9K	1.2/76		
			Nahe der S-Küste von		
			Hondo, Japan	33.1N; 137.2E h=373km	H=05:31:20.3(U)
10. z	i	07 11 09.6	Spuren	33.5N; 137.2E 400	05:31:24 (M)
10. z,e	e	09 56 07			
10. z,e	e	10 53 56			
10. z	eP	11 14 19	N-lich der Insel Ascension	1.3S; 14.1W h= 33km	H=11:04:33.1(U)
10. z	eSKP	16 15 11	Santa-Cruz-Inseln	11.6S; 166.2E h= 45km	H=15:52:24.6(U)

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10. z	eP	18 42 50			
z,n,e,N,,V	i	42 52.1	1.5/50		
	i	43 00.3	1.8/320		
z,N,E,V	ePP	47 07	t16 an2.0 ae3.0		
e,N,E	eSRS	53 40	t14 an6.5 ae18.6		
e	eSRS	53 57			
N	eS	54 38	99.5°	MPFH=6.9	MIH=7.0
e	ePPS	56 50			
z	ePKKP	59 18	Mindanao, Philippinen	6.5N; 126.6E h= 86km	H=18:29:16.0(U)
N,E	eSS	19 01 40		6.6N; 126.8E 40	18:29:11 (M)
z	e	08 16			
N,E	eLm	30	t22 an29 ae51.5		
N,E,V	eL	32	t19 an34.5 ae33 av(61)		
	F	21 30			
10. z	e	20 17 50	Spuren		
11. z	eP	05 22 41	Gebiet von Taiwan	24.1N; 122.4E h= 48km	H=05:10:19.3(U)
				24.3N; 122.8E	05:10:17 (M)
11. z	iP	05 34 32.8	1.2/31		
			Nahe der E-Küste von		
			Kantschatka	53.4N; 158.7E h=118km	H=05:23:22.3(U)
				53.2N; 158.8E 130	05:23:22 (M)
11. z,n,e	eP	07 22 31	NE-Algerien	36.4N; 5.2E	H=07:18:47 (B)
N,E,V	eLm	27.7		36.3N; 5.2E h= 33km	07:18:46.6(U)
11. z	e(PKP)	07 27 15	N-licher Oster-Rücken	4.6S; 105.0W h= 33km	H=07:08:39.4(U)
z	ePP	27 56			
N,,V	eLm	08 06			
V	eLm	15			
11. z,e	eP	10 54 02	Inseln	66.3N; 18.7W h= 33km	H=10:49:10.2(I)
11. z	e	13 16 16			
11. z,n,e	i	15 57 03.0			
z,n,e	eL	57 30			
11. z,n,e	ePKP	15 13 32	1.8/65		
z	ePKKP	13 52			
z	e	15 41			
z,n,e,N,,V	ePP	15 51	131.5°		
z,n,e,N,,V	eSIP	16 51			
z,N,,V	eFSS	17 28			
z,e	eFSS	17 41			
z	e(SIP)	19 08	Salomonen	10.3S; 161.2E h= 79km	H=18:54:27.1(U)
N,E	e(IIP)	27.5		10.2S; 161.6E 90	18:54:28 (M)
z	e(SRS)	30 01			
N,E	eSS	33.3			
N,E	eL	20 06	t22 an1.5 ae2.5		
N,E,V	eLm	11	t21 an3 ae1 av2.5		
	F	21			
11. z,n,e	e	22 28 14			
12. z,e	iP	07 01 00.0D	0.8/17		
z	e(PKP)	04 48			
N,E	eSRS	11 25	Grenzgebiet Peru - Bolivien	17.2S; 69.4W h=156km	H=06:47:37.5(U)
N,E	eL	42		16.5S; 69.2W	06:47:25 (M)
12. z	e	13 29 12	Spuren		
12. z	iP	16 38 50.4D	Ochotskisches Meer	51.5N; 150.7E h=478km	H=16:28:18.1(U)
12. z	e(PKP)	17 27 24			
z,n,e	iPKKP	27 34.6D	1.0/48		
z	ePKP	28 10			
z,n,e	eSIP	30 58	135°		
N,,e	eFSS	31 08			
z	ePKKS	31 51	Neue Hebriden	14.7S; 167.2E h=125km	H=17:08:23.2(U)
z	IsPKS	32 07.1		14.3S; 171.1E 100	17:08:18 (M)
z	eSRS	35 22			

Juli 1975							
12. z	e	18 38 17					
z,n,e	e	40 18					
12. z	e	18 44 41					
12. z,V	ePKKP	19 24 34	156.5°	MIH=5.8			
z	ePKP ₁	24 44					
z	e	24 58					
z,n	i(PKP ₂)	25 02.9	Kermadec-Inseln		29.1S;177.5W h= 63km H=19:04:45.2(U)		
V	ipPKP ₂	25 16.8			29.1S;177.1W	19:04:42 (M)	
z	ePP	28 37					
z	e	28 53					
N,E,V	eIm	20 44	t16 an1 ae1 av1				
12. z	eP	22 16 56	Türkei		39.0N; 43.8E h= 65km H=22:11:39.5(U)		
					38.7N; 43.4E	22:11:32 (M)	
13. z	iPKP	00 09 21.9D	0.8/18				
			Gebiet der Fidschi-Inseln		17.8S;178.5W h=553km H=23:50:44.7(U)		
13. z	e	02 19 55					
13. z	eP	04 39 45	N-atlantischer Rücken		23.4N; 44.9W h= 33km H=04:30:36.2(U)		
13. z	iP	04 41 47.5	1.1/30				
			E-Chinesisches Meer		29.8N;128.5E h=169km H=04:29:47.7(U)		
13. z	eP	09 45 22	Gebiet der Philippinen		6.3N;127.0E h= 39km H=09:31:38.7(U)		
					6.4N;126.9E	09:31:39 (M)	
13. z,n,e	e	11 02 24					
13. z	eP	13 08 19	Spuren, Gebiet der Philippinen		6.2N;127.2E h= 63km H=12:54:38.8(U)		
13. z	iP	21 15 39.1K	N-atlantischer Rücken		12.1N; 44.0W h= 33km H=21:05:31.7(U)		
13. z,n,e	eSg	21 41 23	Oberösterreich		47.85°N; 14.2°E	H=21:39:29 (W)	
13. z	ePn	23 17 45	960km				
z,n,e	eSn	19 13					
n,e	e	20 18	E-Küste von Mittelitalien		42.6N; 13.9E	H=23:15:43 (B)	
z,e	eSg	20 27			43.0N; 13.9E h= 33km	23:15:44.1(U)	
13. z	e	23 28 32	E-Küste von Mittelitalien		42.6N; 13.9E	H=23:24:26 (B)	
z,n,e	eSg	29 10			43.0N; 14.0E h= 33km	23:24:26.4(U)	
14. z,e	e	01 17 16					
14. z	e(P)	01 57 58	Gebiet von Patras, Griechenland		38.3N; 21.7E	H=01:54:39 (B)	
					38.1N; 21.3E h= 37km	01:54:35.9(U)	
14. z,n,e	e	03 06 25					
14. z,n,e	eP	07 14 13	Türkei		39.8N; 41.2E h= 36km H=07:09:13.4(U)		
z	e(PPP)	14 44			39.8N; 41.1E	07:09:13 (M)	
14. z,n	e	10 15 47					
14. z	iPKP ₁	11 16 17.2	Tonga-Inseln		21.1S;173.8W h= 33km H=10:56:30.9(U)		
z	i	16 21.9					
14. z,e	e	11 31 06					
14. z	eP	14 56 20	112.5°	MIH=5.8			
z	e	56 26					
z,e	iPKP	15 00 14.9	Nahe der N-Küste von W-Irian		1.6S;138.1E h= 33km H=14:41:39.8(U)		
					1.6S;138.3E	14:41:39 (M)	

Fortsetzung nächste Seite

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Fortsetzung							
z	e	15 00 21					
E	ePS	10 30					
z	ePKKP	11 13	1.8/27				
z	ePKKS	15 18					
N,E,V	eIm	52	t18 an1.5 ae1.5 av2				
14. z	iPKP ₁	19 53 50.4D	0.8/17				
z	iPKP ₂	53 56.9	S-lich der Fidschi-Inseln		22.1S;179.5E h=602km H=19:35:08 (I)		
14. z	e(pPKP)	20 22 42	Gebiet von Neu-Irland		4.6S;153.1E h= 78km H=20:03:34.8(U)		
z	e(PPP)	26 58			3.8S;153.0E	20:03:34 (M)	
14. z	e	23 05 10					
14. z	ePP	23 46 38	Mittelindischer Rücken		40.4S; 78.4E h= 33km H=23:27:55.0(U)		
bis N,E,V	ePS	56 18			36.4S; 78.9E	23:28:15 (M)	
15. E	eSS	00 01 9					
N,E,V	eIm	38	t18 an2.5 ae3.5 av4				
15. z	e	00 35 05	Spuren				
15. z,n,e	e	00 52 02					
15. z,n,e	e	01 24 25					
15. z	e	02 50 50					
15. z	e	03 06 06					
15. z,e	e	03 50 32	Bergschlag Oberschlesien, Polen		50.3N; 19.0E	H=03:49:17.5(I)	(P)
z,n,e	eSg	51 23					
15. z	eP	07 24 54	Vor der E-Küste von Hondo, Japan		34.0N;141.0E h= 39km H=07:12:27.9(U)		
					34.1N;140.8E	07:12:29 (M)	
15. z,n,e	e	07 42 21	Jugoslawien		46.1N; 16.4E		(W)
15. z,n,e	e	09 31 55					
15. z	iP	16 06 42.5D	S-lich von Panama		7.8N; 82.8W h= 33km H=15:53:55.0(U)		
z,e	epP	06 50					
15. z	e	16 35 14					
15. z	e	17 01 56					
15. z,n,e	eSg	17 14 19					
15. z	iP	18 20 51.0	Vor der Küste von Hokkaido, Japan		42.5N;148.0E h= 33km H=18:08:50.2(U)		
					42.9N;148.4E	18:08:51 (M)	
15. z	e	20 23 58	Spuren, Kermadec-Inseln		30.6S;177.4W h= 54km H=20:03:03.1(U)		
15. z,n,e,E	eP	22 03 50	19°				
z,e,V	e	03 55					
N	eS	07 29	N-Anatolien, Türkei		40.9N; 36.1E	H=21:59:26 (B)	
e	e	09 40			40.9N; 36.1E h= 8km	21:59:25.0(U)	
N,E,V	eIm	11			41.1N; 36.1E	21:59:25 (M)	
16. z	iP	03 36 32.2K	1.1/30				
z	epP	36 49	Kurilen		43.2N;146.4E h= 73km H=03:24:42.7(U)		
					42.8N;146.3E	03:24:35 (M)	
16. z	e	08 04 35					
16. z	iP	09 54 30.6D	1.1/16				
			Nahe der E-Küste von Hondo, Japan		37.2N;141.4E h= 46km H=09:42:19.7(U)		

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16. z	eP	10 03 12			
16. z	1P	10 03 45.3D 1.1/40	Nabe der E-Küste von Hondo, Japan	37.1N;141.4E h= 52km H=09:51:34.3(U) 37.3N;141.3E 09:51:33 (M)	
16. z	1FKP ₁	12 46 04.1K 1.2/36	Gebiet der Fidschi-Inseln	17.5S;178.7W h=618km H=12:27:33.0(U)	
16. z,n,e	e	13 01 52			
16. z	e	16 21 05			
16. z	e	17 06 54			
16. z	e	18 34 46			
16. z	ePKIKP	18 37 36	158° MIH=6.0		
z	e	37 47			
z,n,e,N,E,V	e(PKP ₂)	38 06			
z	e	39 30			
z	e(P)	41 35	Kermadec-Inseln	30.6S;177.5W h= 46km H=18:17:44.0(U) 30.7S;176.7W 18:17:36 (M)	
z,V	ePKJKP	46 50			
N,E	eSKKS	48 46			
N	ePFS	55 24			
N,E,V	eL	19 48	t20 an2.5 ae1.5 av1.5		
N,E,V	eIm	56	t19 an2.5 ae2 av2.5		
16. z	ePKIKP	19 58 21	158°		
z,n	ePKP ₂	58 53			
z,e	e	59 05	Kermadec-Inseln	30.9S;177.4W h= 37km H=19:38:23.4(U) 31.3S;179.3W 19:38:20 (M)	
z	e(P)	20 02 55			
N,E	eIm	21 17			
16. z	ePKP ₂	20 09 10	Kermadec-Inseln	30.7S;177.3W h= 44km H=19:48:45.4(U)	
17. z	e	01 20 12			
17. z	e(pP)	02 48 44	S-Sumatra	4.4S;102.7E h=100km H=02:35:21.9(U) 4.3S;102.8E 02:35:14 (M)	
z	ePP	52 10			
17. z	e	03 02 31			
17. z,n,e	e(P)	08 01 04			
17. z	eP	08 52 54	N-Peru	3.8S; 76.6W h=113km H=08:39:52.7(U)	
z	epP	53 22			
17. z	eP	11 48 42	N-Atlantik	52.8N; 34.9W h= 33km H=11:42:42.5(U) 52.8N; 35.0W 11:42:42 (M)	
z,e	e	48 47			
17. z	eP	13 44 21	Grenzgebiet Kaschmir - Tibet	35.5N; 79.8E h= 12km H=13:35:31.1(U) 35.7N; 79.8E 13:35:35 (M)	
17. z,e	e	18 47 30			
17. z	1	22 40 05.1D			
18. z	1(PKP ₂)	03 02 50.2	1.0/19		
18. z,e	e	07 58 38	Gebiet der Kermadec-Inseln	31.8S;179.6W h=490km H=02:43:07.0(I)	
18. z,e	eP	09 38 19	Afghanistan	31.0N; 66.7E h= 35km H=09:30:12.2(U) 30.9N; 66.8E 20 09:30:09 (M)	
z,e	ePP	40 04			
N,E,V	eIm	10 00			
18. z,n	1Pg	11 02 03.4	100km Sprengung 13t	50.39°N; 13.22°E	(0)
n,e	1Sg	02 17.0			
z,n,e	1Sn	02 19.1			
z,n	1L	02 27			

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18. z,e	1FKP	19 01 46.3D 1.0/37	Gebiet der Fidschi-Inseln	17.9S;178.3W h=464km H=18:43:00.7(U)	
18. z	e	19 30 52			
18. z	eSg	23 34 36			
18. z	eP	23 50 29	Grenzgebiet Iran - UdSSR	39.1N; 45.6E H=23:45:02 (B) 39.1N; 45.5E h= 19km 23:44:57.7(U) 39.0N; 45.7E 23:45:01 (M)	
19. z	e	02 41 21	Spuren		
19. z,n,e	1P	04 15 01.9K 1.5/50			
e	e	15 25	88° MIH=5.8		
z,n,e,V	ePP	18 29	S-lich von Hondo, Japan	29.3N;142.1E h= 8km H=04:02:10.2(U)	
n,e,N,E	eS	25 44		29.0N;142.3E 04:02:10 (M)	
E	eSS	31 40			
N,E,V	eIm	05 00	t16 an1.5 ae2.5 av2.5		
19. z,e,V	1P	06 19 54.6K 1.5/35			
z	e	20 13	51°		
z,e	ePP	21 51	Grenzgebiet Tibet - Indien	31.9N; 78.6E h= 40km H=06:10:54.9(U) 32.1N; 78.6E 20 06:10:54 (M)	
N,E	eS	27 12	t16 ae1.5 av1		
E,V	eIm	44			
19. z,n,e	e(Pg)	06 44 40	Jugoslawien	43.5N; 17.5E H=06:41:37 (B)	
n,e	eSn	45 11			
z	e	45 22			
n,e	e	45 36			
z,n	e	45 49			
z	e	46 05			
n,e	e(Sg)	46 12			
19. z	e	07 34 12			
19. z	eP	17 25 13	Grenzgebiet Panama - Kostarika	8.5N; 82.9W h= 55km H=17:12:32.3(U)	
19. N,E,V	eIm	23 28	Gebiet der Galapagos-Inseln	(U)	
20. z,e	eP	00 01 28	2.0/52		
z	e	01 52	Grenzgebiet Panama - Kostarika	8.4N; 82.9W h= 49km H=23:48:46.3(U)	
20. z	e	00 02 49			
20. z	1P	01 15 11.7D 1.0/31			
i	i	15 14.4	S-lich von Hondo, Japan	33.1N;140.5E h= 83km H=01:02:49.1(U) 33.2N;140.6E 01:02:43 (M)	
z	epP	15 30			
20. z	ePKIKP	06 17 48	158°		
z	ePKP ₁	17 59			
z,n,e	1FKP ₂	18 19.9	1.0/39		
			Kermadec-Inseln	30.9S;178.6W h=103km H=05:58:01.2(U)	
20. z	e	07 22 25			
20. z,n,e,N,V	1P	08 14 25.7K,S,E 1.5/430			
z,e	e(sP)	14 56	77° MIH=5.4		
n,e,N,E	eS	24 04	t20 an1 ae1.5		
N,E	eIm	45		44.4N;148.0E h= 82km H=08:02:40.6(U)	
V	eIm	52	Kurilen	44.5N;147.0E 110 08:02:41 (M)	
20. z	e	08 37 58	Spuren		
20. z	ePKP ₁	09 07 53	W-lich der Maoquarie-Insel	54.7S;144.5E h= 33km H=08:48:04.8(U)	
z	ePKP ₂	08 03			

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20. z	1PKP ₁	09 19 09.1D	1.6/21	W-lich der Macquarie-Insel	54.78;144.2E h= 33km H=08:59:19.3(U)
20. z	e	09 30 44		Spuren	
20. z,e	e(P)	10 53 49		Algerien	36.6N; 2.8E h= 10km H=10:49:53.2(U)
20. z,n,e	e	11 06 50			
20. z	e	13 15 47		Spuren	
20. z,n,e	ISg	13 31 36.8			
20. z,N,E,V	e(P)	14 53 16	125.5°	MIH=7.6	
z	1PKP ₁	56 37.3D			
z,n,e,V	1PKP ₂	56 40.2	1.1/530		
n,e	i	56 45.2			
z	e	56 53		Salomonen	6.68;155.1E h= 49km H=14:37:39.9(U)
z,e,N,E,V	i	56 59			6.98;154.8E 14:37:33 (M)
z,n,e	e	57 04			
z,N,E,V	ePP	58 30	t18 an9.5 ae9.1		
z	e	58 59			
z,n	ePKS	15 00 17			
z	i	00 41.4			
z	ePPPP	03 22			
z	1PKP	06 19.0			
z	1PKP	06 37.9			
z,n,e	i	06 59.1			
z,n,e	e	13 56			
N,E	eL	42	t22 an98.5 ae62.5		
N,E,V	eLm	58	t19 an110 ae(81) av165		
20. z	1P	15 26 16.6	1.0/13		
20. z	ePKP	15 31 14		Salomonen	7.08;155.4E h= 33km H=15:12:13.8(U)
20. z	e(P)	15 36 11			
z	e	37 47			
20. z	ePKP	15 43 17		Salomonen	7.18;154.4E h= 33km H=15:24:16.0(U)
z	e	43 31			
20. z	eP	15 50 43		Taiwan	24.1N;121.7E h= 28km H=15:38:22.7(U)
z	e	50 56			24.8N;121.7E 15:38:27 (M)
z	e	51 13			
20. z	ePKP	15 54 44		Salomonen	6.88;154.6E h= 54km H=15:35:47.0(U)
z	ePP	56 46			
20. z	e	16 01 23		Spuren	
20. z	e(PKP)	16 27 09		Spuren, Salomonen	6.88;154.8E h= 33km H=16:08:32.5(U)
20. z	1PKP	16 33 01.9		Salomonen	6.98;155.0E h= 31km H=16:14:01.2(U)
z	i	33 06.0			
20. z	e(pPKP)	17 04 22		Spuren, Salomonen	6.48;154.6E h= 28km H=16:45:07.7(U)
20. z	ePKP	17 19 47		Salomonen	7.08;154.4E h= 40km H=17:00:48.8(U)
z	ePP	21 43			
20. z	1PKP	17 29 54.2	0.9/19		
z	i	30 03.9			
n	e	30 08		Salomonen	6.98;154.8E h= 24km H=17:10:51.5(U)
e	e	30 15			
20. z	ePKP	17 35 24		Salomonen	6.98;154.7E h= 51km H=17:16:26.2(U)
20. z	e(PKP)	17 36 58		Salomonen	7.18;154.8E h= 60km H=17:17:57 (I)
z	e	37 10			
z	e	39 07			

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20. z	e(FKP)	17 41 12		Spuren, Salomonen	7.08;154.9E h= 52km H=17:22:21.3(U)
20. z	1PKP	17 45 16.9D		Salomonen	6.98;154.9E h= 33km H=17:26:16.8(U)
20. z	ePKP	17 48 32		Salomonen	6.78;154.8E h= 33km H=17:29:32.7(U)
z	e	49 49			
20. z	eP	18 18 44			
z	e	20 48			
20. z,N,E,V	eP	20 10 09	126°	MPPH ₁ =MPPV ₁ =7.1 MIH=7.3	
z,E	ePKP	13 27			
z,n,e,V	i	13 34.0			
z,N	e	13 38	1.9/280		
z,N,E,V	ePP	15 28	t18 an7.2 ae6.8 av11.2		
z	e	16 26			
E	eSES	20 34			
N,E	ePS	25 29		Salomonen	7.18;155.2E h= 44km H=19:54:27.7(U)
z,N,E	ePPS	26 58			7.08;155.3E 19:54:27 (M)
z	e(PoSPKP ?)	30 25			
N,E,V	eLm	21 08		t20 an35 ae58.5 av62	
20. z	ePKP	20 28 30	1.1/22		
z,e	e	28 59		Salomonen	6.98;155.0E h= 33km H=20:09:28.7(U)
20. z	ePKP	20 30 38		Salomonen	6.78;154.9E h= 33km H=20:11:38.8(U)
20. z	ePKP	22 08 16		Salomonen	7.28;155.2E h= 37km H=21:49:12.6(U)
z	epPKP	08 25			
z	e	08 38			
z	e	09 35			
20. z	ePKP	22 14 28		Salomonen	7.08;155.2E h= 33km H=21:55:25.9(U)
20. z	e	22 51 46		Spuren	
20. z,n,e,V	1PKP	23 24 15.6	125.5°	MIH=6.3	
bis z,E	i	24 40.3			
z	e	24 51			
z	ePP	26 07			
z	e	26 28			
z,e	i	33 54.9D		Salomonen	6.68;154.7E h= 50km H=23:05:18.8(U)
z	ePoSPKP	36 06			6.18;154.7E 23:05:19 (M)
z	e	36 38			
z	e	37 28			
z,N	ePPS	37 46			
z	e	41 14			
N,E,V	eLm	00 25		t19 an5.5 ae3.5 av8.5	
20. z	1PKP	23 46 53.4	1.0/33		
z	e	49 17			6.78;154.6E h= 7km H=23:27:50.5(U)
z	e	50 21		Salomonen	5.98;154.8E 23:27:54 (M)
21. z	epPKP	00 05 54		Spuren, Salomonen	7.38;155.1E h= 40km H=23:46:44.9(U)
					6.88;155.5E 23:46:46 (M)
21. z	ePKP	00 22 55		D (überlagert mit dem nächsten Beben)	
z	e	23 02			
z	epPKP	23 09		Salomonen	6.58;154.3E h= 33km H=00:03:56.5(U)
21. z,e	ePKP	00 26 56		(überlagert mit dem vorigen Beben)	
z,n,e	e(PP)	27 22		Banda-See	4.38;127.3E h= 33km H=00:08:29.2(U)
					4.38;127.4E 00:08:24 (M)
21. z	epPKP	01 15 05		Salomonen	6.88;155.4E h= 60km H=00:55:58.0(U)
21. z	e(PKP)	01 24 31		Salomonen	H=01:05:44 (S)

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21. z	e	02 22 56	1.8/240		
z,n,e,N,E,V	IPKP	22 58.7			
z,N,E,V	ePP	24 46			
N,E	e(PKS)	26 15	126° MLH=6.4		
z	ePKKP	32 50			
N,E	ePS	34 48			
z	e	35 58	Salomonen	6.78;155.3E h= 47km H=02:03:59.8(U)	
z,e	e	36 14		7.08;155.3E	02:03:52 (M)
z	eSKKP	36 34			
N,E,V	e	39 46	t21 an8 ae5.5 av7.5		
N,E,V	eLm	03 20			
21. z	ePKP	02 49 30	Salomonen	6.78;154.7E h= 33km H=02:30:30.1(U)	
z	ipPKP	49 40.4			
21. z,n,e,V	IPKP	02 57 54.1K	1.3/300		
z	i	58 06.9			
z	ipPKP	58 15.4	126° MLH=6.9		
z	i	58 31.9			
N,E,V	ePP	59 44	Salomonen	6.98;155.3E h= 95km H=02:39:01.2(U)	
z	eSKKKS	03 06 41		6.48;155.0E	02:38:57 (M)
z,e	eSKKP	11 15			
z	ePoPPKP	11 29	t20 an17.5 ae22.5 av22.5		
N,E,V	eLm	54			
21. z	ePKP	03 36 26	Salomonen	7.08;154.3E h= 61km H=03:17:29.4(U)	
z	e	36 36			
z	ePP	38 26			
21. z,n	ePKP	03 52 07	Gebiet der Neuen Hebriden	19.9S;173.6E h= 62km H=03:32:35 (I)	
21. z	ePKP	04 28 54	1.4/25		
z,e	epPKP	29 07	Salomonen	7.08;154.6E h= 33km H=04:09:54.8(U)	
				6.98;154.8E	04:09:50 (M)
21. z	ePKP	04 40 05	1.0/22		
z	epPKP	40 16			
N,E,V	eLm	06 04	Salomonen	7.08;154.6E h= 28km H=04:21:05.3(U)	
21. z	IPKP	06 54 02.3K	Salomonen	7.18;155.2E h= 46km H=06:35:03.9(U)	
z	e	54 13		6.98;155.1E	06:35:03 (M)
z	epPP	56 09			
21. z	ePKP	07 15 10	Spuren, Salomonen	7.08;155.2E h= 56km H=06:56:14.0(U)	
21. z	ePKP	11 10 58	Spuren, Salomonen	6.88;154.6E h= 41km H=10:51:58.5(U)	
21. z,n,e	eP	13 36 26	2.2/48		
N,E	e(SS)	47 28			
N,E,V	eLm	14 04	E-licher Golf von Aden	13.7N; 51.5E h= 33km H=13:27:44.9(U)	
				12.8N; 51.5E	13:27:39 (M)
21. z	IPKP	13 53 26.7D	Salomonen	6.48;154.9E h= 50km H=13:34:30.5(U)	
21. z	e	21 18 49	Gebiet der Macquarie-Insel	55.18;158.8E h= 33km H=20:58:22.1(I)	
z	ePKP ₂	18 58			
21. z	e	23 20 53			
z	e	21 06			
22. z	ePKP	00 02 17	Salomonen	6.78;154.6E h= 36km H=23:43:17.8(U)	
z	e	02 29		6.68;154.9E	23:43:12 (M)
22. z	ePKP	03 31 53	Salomonen	7.18;155.1E h= 45km H=03:12:54.3(U)	
				7.38;154.9E	03:12:47 (M)
22. z	ePKP	03 44 03	Salomonen	7.48;154.6E h= 33km H=03:25:02.7(U)	
22. z,n,e	e	05 03 11			
22. z,e	IPKP	05 09 12.5K	0.9/26 Salomonen	6.48;155.0E h= 73km H=04:50:19.5(U)	
				6.38;155.0E	04:50:10 (M)

22. z	eP	08 10 29	N-atlantischer Rücken	21.5N; 45.8W h= 33km H=08:01:06.2(U)	
22. z	e	08 41 44			
22. z	ePKP ₁	10 09 18	1.2/20		
z	e	09 40	S-lich der Fidsohi-Inseln	22.78;176.5W h=181km H=09:49:46 (I)	
22. z	e(P)	10 49 09	N-atlantischer Rücken	24.9N; 45.4W h= 0km H=10:39:56 (I)	
22. z	IPKP ₁	12 32 36.5K	Gebiet der Fidsohi-Inseln	21.08;178.6W h=572km H=12:13:53.7(U)	
z	IPKP ₂	32 41.6			
22. z	ePKP	13 50 37	0.9/17 Salomonen	6.38;155.0E h= 68km H=13:31:43.1(U)	
				6.38;154.9E	13:31:39 (M)
22. z,n,e	e	14 32 35			
22. z	ePKP	16 10 29	Salomonen	6.58;154.6E h= 70km H=15:51:36.2(U)	
22. z,n,e	IPKP	19 39 14.1	1.5/61		
z	i	39 24.1D			
z,n,N,E,V	ePP	41 10	126° MLH=6.1		
z	e	48 56			
N,E	ePS	51 16	Salomonen	7.28;155.7E h= 36km H=19:20:13.8(U)	
z	e	51 43		7.18;155.8E	19:20:14 (M)
N,E	ePPS	52 48			
z	e(PKKS)	52 52			
N,E	eSS	58 08	t20 an4 ae2.5 av3.5		
N,E,V	eLm	20 37			
22. z	e	22 41 04	Spuren		
22. z	e	22 53 12	Spuren		
23. z	eP	00 06 03	Spuren		
23. z,n,e	IPKP ₁	02 18 03.0D	1.1/44		
z	e(pPKP)	19 14	Tonga-Inseln	17.38;175.3W h=258km H=01:58:54.0(U)	
23. z	eP	02 44 06	N-atlantischer Rücken	23.2N; 45.1W h= 33km H=02:34:55.1(U)	
				23.7N; 45.4W	02:34:57 (M)
23. z,n,e	IP	03 13 55.5D	1.4/35		
N,E	eLm	42	Burma	26.5N; 96.4E h= 33km H=03:03:11.6(U)	
V	eLm	45		26.4N; 96.5E	03:03:11 (M)
23. z	e(PKP)	04 25 58	Salomonen	7.08;155.4E h= 54km H=04:06:53.9(U)	
				7.08;155.3E	04:06:52 (M)
23. z	IPKP ₂	10 45 44.4	S-lich der Kermadec-Inseln	33.08;178.7W h= 33km H=10:25:11.3(U)	
23. z,n,e	IPg	12 58 06.8	Sprengung		
z,n,e	ISg	58 09.9			
z,e	IL	58 11.8			
23. z	epPKP	18 01 26	Salomonen	7.28;154.9E h= 35km H=17:42:15.1(U)	
				6.78;155.0E	17:42:17 (M)
23. z	e	19 17 32	Agäisches Meer	39.0N; 25.7E h= 32km H=19:13:06 (B)	
				39.0N; 25.7E	19:13:08.0(U)
23. z	e	19 34 14			
23. z	e(P)	23 01 19	Algerien	36.2°N; 4° E h= 33km H=22:57:26 (B)	
				36.4N; 3.8E	22:57:24.5(U)

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23. z	ePKP	23 41 44	126°	MLH=5.6	
bis z	e	41 58	Salomonen	7.28;155.1E h= 42km H=23:22:43.8(U)	
24. z	e	42 17		7.18;155.4E 23:22:37 (M)	
z	ePFS	55 10			
z	e	58 21			
N,E	eLm	00 39	t14 an1 ae0.5		
V	eLm	45	t16 av1		
24. z	ePKP	00 21 29	Salomonen	6.68;154.4E h= 56km H=00:02:32.6(U)	
				6.78;155.0E 00:02:22 (M)	
24. z	e	04 34 54			
24. z	i(P)	05 17 18.1			
24. z	iPg	12 48 35.2	Sprengung		
z,n,e	i	48 46.1			
z	e	48 56			
24. z,n,e	e(Pn)	13 06 54	W-Polen	(51.1N; 15.0E h= 0km H=13:06:32 (W))	
z,n,e	e	06 59			
z	e	07 13			
z,n,e	eSg	07 26			
24. z,n,e	e	17 35 38			
24. z,n,e	iPKP ₁	19 20 30.6D	1.0/50		
z	ePKP ₂	20 39	0.9/42		
z	i	20 54.0	150.5° Mc=4.9		
z,n,e	epPKP	22 45	S-lich der Fidschi-Inseln	23.58;179.8W h=579km H=19:01:42.6(U)	
z	eFP	24 08		22.98;178.7E 19:00:50 (M)	
25. z	e	01 43 29	Spuren		
25. z	e	01 52 57			
25. z	e	02 18 29			
25. z	ePKP	07 19 05	Gebiet der Fidschi-Inseln	18.38;176.8E h= 38km H=06:59:31.7(U)	
z	e	19 25			
25. z	e	08 42 48			
25. z,e	i	09 19 30.8			
25. z,n,e	iP	10 51 59.6K	1.4/125		
z,n,e,V	ipP	52 14.9	74°		
N	eS	11 01 28	Halbinsel Alaska	55.1N;160.4W h= 17km H=10:40:25.0(U)	
N,E,V	eLm	27		55.8N;161.0W 10:40:31 (M)	
25. z,n,e	iPg	10 55 10.8	Sprengung		
N,E,V	iSg	55 12.1			
25. z,n,e	e	11 04 59			
25. z	eP	11 32 15			
25. z,e	ePKP	11 45 28	Gebiet der Fidschi-Inseln	18.08;176.3E h= 47km H=11:25:54.2(U)	
n	epPKP	45 44			
25. z	e(PKP)	16 21 42	Gebiet der Fidschi-Inseln	17.68;176.9E h= 33km H=16:02:03 (I)	
z,e	e	21 49			
25. z	ePKP	16 55 40	Salomonen	6.98;154.8E h= 42km H=16:36:40.6(U)	
25. z	e(PKP ₁)	19 06 43	Gebiet der Kermadec-Inseln	31.18;177.4W h= 44km H=18:46:39.7(U)	
z	ePKP ₂	07 06			
z	epPKP	07 21			

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25. z,n	eP	19 20 35	14.5°		
z,n,e	iPP	20 43.2	1.4/95		
N,E	eSS	23.5			
N,E,V	eLm	26.6	t11 an2 ae2.5 av3.5		
			Gebiet von Patras, Griechenland	38.3N; 21.8E H=19:17:11 (B)	
				38.4N; 21.8E h= 37km 19:17:11.9(U)	
				38.3N; 21.9E 25 19:17:10 (M)	
25. z	eP	20 02 14	Kurilen	44.6N;146.0E h=176km H=19:50:44.3(U)	
25. z,n,e	iP	22 59 40.4K	1.2/33		
z	e	59 49	Vor der Küste von Hokkaido, Japan	42.9N;146.9E h= 43km H=22:47:45.5(U)	
				43.6N;146.7E 22:47:48 (M)	
26. z	iP	01 24 52.4	Kurilen	43.1N;147.2E h= 0km H=01:12:52 (I)	
z	e	27 29			
26. z	e	01 35 21			
26. z	e	01 47 30			
z	e	47 45			
z	e	49 13			
z	e	49 19			
26. z	e	02 19 20			
26. z	ePKP	13 38 41	Salomonen	6.68;155.3E h= 33km H=13:19:42.1(U)	
26. z	ePKP	18 43 07	Salomonen	7.28;154.5E h= 39km H=18:24:07.7(U)	
				6.68;154.6E 18:24:04 (M)	
27. z,n,e	e	02 48 01			
27. z	e	11 52 59			
27. z,n,e	eP	11 53 10	Libysche Küste, N-lich von Tripolis	33.1N; 13.5E H=11:49:01 (B)	
N,E	eLm	59		33.1N; 13.7E h= 33km 11:49:00.6(U)	
				32.8N; 13.0E 11:48:55 (M)	
27. z	iP	17 28 38.0K	1.1/22		
z	esP	29 26	Kiuschu, Japan	33.0N;131.2E h=136km H=17:16:42.8(U)	
				32.4N;132.2E 17:16:24 (M)	
27. z	eP	20 36 10			
28. z	eP	03 13 34	1.7/27		
z	e	16 56			
z	eFP	17 52			
z	e	18 03	Molukken-See	0.0°;125.0E h=149km H=02:59:46.7(U)	
				0.3N;124.9E 55 02:59:38 (M)	
28. z	iPKP ₁	05 27 11.3D	0.9/69		
z	iPKP ₂	27 15.7K	1.0/31		
z	epPKP	29 21	148° Mc=4.9		
			Gebiet der Fidschi-Inseln	20.48;178.6W h=609km H=05:08:32.1(U)	
28. z,n,e	iPKP	09 03 54.7K	1.0/23		
i	i	04 08.0			
V	eFP	05 53	Salomonen	6.98;154.5E h= 38km H=08:44:55.3(U)	
z	i	06 01.1		6.38;154.6E 08:44:58 (M)	
N,E	e(SS)	23			
N,E,V	eLm	10 02			
28. z	e(P)	09 16 58	Provinz Valencia, Spanien	38.7N; 0.2E H=09:13:19 (B)	
z	eLg ₂	22 39		38.6N; 0.8E h= 33km 09:13:18.4(U)	
z,n	eL	23 33			
e	e	23 45			
28. z	eP	11 08 44	Nähe Karpatos, Mittelmeer	35.7N; 27.4E H=11:04:26 (B)	
				35.9N; 27.3E h= 33km 11:04:28.9(U)	
28. z	ePKP ₂	12 26 08	W-lich der Macquarie-Insel	57.48;146.9E h= 33km H=12:06:04.2(I)	

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28. z	iP1 iP2 i z,e n,e z,e N,E,V	12 39 55.1K 39 58.0 40 50.4 41 30 41 42 41 54.1 59	1.0/34 Kirgisische SSR	39.2N; 72.5E h= 47km H=12:32:03.3(U) 39.3N; 72.4E 20 12:32:00 (M)
28. N,E,V	eLm	16 18	Golf von Kalifornien	(U)
28. z	ePKP	18 41 51	Salomonen	6.9S; 154.8E h= 44km H=18:22:53.6(U) 6.3S; 154.8E 18:22:55 (M)
28. z	iPKP	21 44 04.0D	1.7/29 Salomonen	6.8S; 154.6E h= 37km H=21:25:04.7(U) 6.1S; 154.7E 21:25:07 (M)
29. z	eP e	02 00 18 00 37	1.8/30 Vor der Küste von Oregon	43.7N; 126.1W h= 33km H=01:48:16.2(U) 44.4N; 126.6W 01:48:20 (M)
29. z,n,e,E,V	iP e(PP) eS eLm eLm	02 49 52.2D 51 37 57 06 03 09 13	1.9/115 50.5° MIH=5.1 t16 an1.5 ae0.5 t12 av1 Grenzgebiet Kaschmir - Tibet	32.6N; 78.5E h= 51km H=02:40:58.2(U) 32.7N; 78.4E 02:40:57 (M)
29. z	eSg	11 24 15	Oberösterreich	47.8N; 14.15E H=11:22:15 (W)
29. z,n,e,V	iP ipP e i N,E,V	13 33 45.2K 33 53.2D 34 24 34 59.6 57	1.5/135 Pakistan	25.2N; 63.1E h= 33km H=13:25:21.8(U) 25.4N; 63.1E 15 13:25:19 (M)
29. z,n	iP	14 12 12.9K	1.9/62 Kurilen	46.6N; 151.5E h= 83km H=14:00:32.4(U) 46.8N; 151.2E 100 14:00:36 (M)
29. z,n,e	eP e iSn eSS eLm eL	15 11 28 13 46 14 42.0 15 12 17.7 19	1.6/56 18.5° Mittelmeer, S-lich von Kreta	34.8N; 25.1E h= 60km H=15:07:15 (B) 34.9N; 24.9E 47 15:07:12.3(U) 34.6N; 24.6E 15:07:09 (M)
29. z	eP	16 23 23	Spuren, Nahe der S-Küste von Kreta	34.7N; 25.0E H=16:19:01 (G) 35.0N; 25.0E h= 0km 16:19:02 (I)
29. z	e(Sn) eSg	20 18 32 18 50 19 45	NW-lich von Tirana, Albanien	41.5N; 19.4E H=20:13:48 (B) 41.5N; 19.3E h= 54km 20:13:48.2(U)
29. z,e	eP ePP eLm	21 23 33 25 41 47	1.9/34 N-lich der Insel Ascension	1.3S; 15.1W h= 33km H=21:13:44.7(U) 0.7S; 15.8W 21:13:46 (M)
29. z	e(P)	21 45 44		
29. z	eP	22 23 05		
29. z	ePn e ePb e e(Sn) eSb eSg eLm	22 23 43 23 54 24 21 25 14 25 46 26 40 26 56 27 16	1190km MIH=4.6 NW-lich von Tirana, Albanien	41.6N; 19.4E H=22:21:08 (B) 41.6N; 19.3E h= 48km 22:21:08.1(U) 41.5N; 19.3E 22:21:07 (M)
29. z	iP	23 17 22.3K	1.5/25	
30. z,n,e	eP	02 42 32	1.2/16	

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30. z	e	08 22 01		
30. z	eSg	09 29 16	Oberösterreich	47.8N; 14.15E H=09:27:20 (W)
30. z	ePKP z,n,e,V E V E z z N,E N,E V	09 35 48 36 30 42 36 46.1 47.2 51 49 54 36 10 14 22 24	111° MIH=6.2 Timor	10.0S; 123.8E h= 16km H=09:17:12.9(U) 9.4S; 123.7E 09:17:13 (M)
30. z	e(PKP)	09 39 21	Timor	9.8S; 124.0E h= 33km H=09:20:45.0(U) 10.2S; 124.1E 09:20:38 (M)
30. z	ePKP	10 42 15	Timor	9.8S; 123.8E h= 19km H=10:23:40.8(U) 9.2S; 123.7E 10:23:46 (M)
30. z	eP	14 35 54	E-Chinesisches Meer	27.1N; 126.2E h= 190km H=14:23:53.7(U)
30. z	e e	15 18 26 18 36	Spuren	
30. z	eP	15 58 46	S-Indik	37.5S; 51.6E h= 33km H=15:45:27.1(U) 36.5S; 52.2E 15:45:32 (M)
30. z	eP epP	16 17 41 17 55	D S-Indik	37.5S; 51.5E h= 33km H=16:04:20.9(U) 38.2S; 52.2E 16:04:18 (M)
30. z,n,e	eP N,E N,E,V	16 29 28.0K 33 00 37.1	1.6/59 17.5° MIH=4.7 t12 an2 ae2 av1 SW-lich von Ankara, Türkei	39.4N; 32.0E H=16:25:20 (B) 39.5N; 32.1E h= 20km 16:25:19.7(U) 39.5N; 32.0E 16:25:21 (M)
30. z,n,e	e	20 00 16		
30. z,n	e	22 39 32		
30. z	e	22 54 51	Spuren	
31. z	iPKP ₁	03 53 48.3	0.8/21 Gebiet der Fidschi-Inseln	21.7S; 177.0W h= 209km H=03:34:24 (I)
31. z	e(P)	07 32 32	Mittelmeer, S-lich von Kreta	34.8N; 25.1E H=07:28:17 (B) 34.9N; 25.0E h= 44km 07:28:19.6(U)
31. z	ePKP epPKP	08 58 35 58 44	Tonga-Inseln	15.9S; 173.0W h= 25km H=08:38:57.3(U)
31. z,n,e	eP z,e N,E N,E,V	11 14 55 16 34 30.1 34	Tadschikische SSR	39.7N; 70.6E h= 40km H=11:07:14.9(U) 39.9N; 70.5E 11:07:11 (M)
31. z,n	e	11 34 41		
31. z,n	e e ePKP e(PPP) eLm	15 32 01 35 15 35 57 38 25 16 22	Gebiet der Sumbawa-Insel	9.7S; 117.2E h= 52km H=15:17:38.8(U) 9.7S; 117.2E 15:17:36 (M)
31. z,n,e	e	16 26 14		

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31. z,n,e	1PKP ePP eLm	16 43 26.2K 1.0/46 45 07	Gebiet von Neu-Britannien	5.28;152.8E h= 53km H=16:24:32.5(U) 4.58;152.9E 16:24:33 (M)
31. z,n,e	1PKP ePP	16 45 21.0K 1.1/40 47 01	Gebiet von Neu-Britannien	5.18;152.9E h= 40km H=16:26:27.2(U) 4.68;152.9E 16:26:28 (M)
31. z	eP	20 02 10	Spuren, Vor der E-Küste von Hondo, Japan	40.3N;143.7E h= 5km H=19:50:02.7(U) 40.5N;143.5E 19:50:08 (M)
31. z,n,e	e	23 23 24		
31. z,n,e	eS _b	23 27 23	Rheingraben, BRD	48°36'N; 7°57'E H=23:25:04 (B) 48.7N; 7.8E h= 12km 23:25:02.8(U)

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1. z	eP	02 25 59 26 13 28 00	Nahc der E-Küste von Kantschatka	56.1N;162.9E h= 13km H=02:14:46.0(U) 56.2N;162.9E 02:14:49 (M)
1. z	eP	04 05 47	1.3/17 Kurilen	48.3N;154.7E h= 33km H=03:54:05.2(U) 48.3N;154.8E 03:54:01 (M)
1. z	i	04 09 58.7D		
1. z	iP	05 37 52.6K 1.0/17		
1. z	e(Pg) e(Sg)	12 35 34 36 30	Slowakei, CSSR	(W)
1. z	e	14 57 56		
1. z	eP	16 39 35	N-Kalifornien	39.4N;121.5W h= 5km H=16:27:17.8(U)
1. z,n	iP epP	17 14 47.2K 1.2/31 14 58	Vor der E-Küste von Kantschatka	51.7N;159.1E h= 33km H=17:03:16.7(U) 51.8N;158.8E 60 17:03:20 (M)
1. z	e	19 05 24		
1. z,n,e,N,E,V	iP z,n,e z z,n,e,V N,E n,N,E E N,E,V F	20 32 29.9K 32 32.4 35 09 35 33 42 42 43 26 59 07 21 08 22	1.7/195 81° ME=6.1 N-Kalifornien	39.4N;121.5W h= 15km H=20:20:12.9(U) 39.6N;121.5W 20:20:11 (M)
1. z	eP	20 41 59	Kalifornien	H=20:29:42 (S)
1. z	epPKP e	22 29 18 32 11	Salomonen	6.38;154.8E h= 57km H=22:10:08.4(U)
1. z	iPKP e epPKP	23 43 49.3 43 57 44 23	1.0/21 Tonga-Inseln	15.68;173.8W h= 83km H=23:24:24.7(U)
2. z	ePKIKP iPKP ₁ iPKP ₂ ipPKP	02 03 58 04 03.2K 04 09.4D 06 20.3	149° h=600km Mc=5.2 1.1/140 0.8/47 S-lich der Fidschi-Inseln	22.08;179.5W h=576km H=01:45:18.5(U) 21.98;178.4W 01:44:18 (M)
2. z	e	04 14 33		
2. z	eP ePP	09 26 10 28 23	Provinz Kansu, China	39.5N; 96.1E h= 33km H=09:16:28.5(U) 39.3N; 96.0E 09:16:28 (M)
2. z,n,e,N,V	iP z,n,e,N,E,V z,n,V z,n,V z,n,e,N,E,V z,n,E N,E N,E z z z z N,E,V N,E,V z	10 30 00.4D 1.6/510 30 13.9 30 41 32 50 39 39 40 14 45 18 49 00 57 20 57 41 11 00 49 06 10 17 12 13 30	75.5° MSH=6.7 MEH=6.2 t10 an6.6 ae4.3 S-lich von Alaska	53.4N;161.5W h= 33km H=10:18:17.9(U) 53.8N;161.9W 10:18:20 (M)
2. z	e(P)	15 12 56	Gebiet der Insel Kodiak	56.6N;152.2W h= 33km H=15:01:35.3(U)

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2. z	e	16 34 09	Halbinsel Apscheron, E-lich von Baku	40.5N; 50.1E	H=16:28:09 (B)
2. z	eP	16 51 36	Kurilen	49.5N; 156.1E h= 56km 49.4N; 156.2E	H=16:40:00.9(U) 16:39:57 (M)
2. z N,E,V	eP eIm	17 36 47 18 13	N-Kalifornien	39.5N; 121.5W h= 6km	H=17:24:29.2(U)
2. z,n,e N,E,V	eP eIm	20 34 34 21 12	1.7/61 N-Kalifornien	39.4N; 121.5W h= 4km 39.7N; 121.5W	H=20:22:16.3(U) 20:22:21 (M)
2. z,n,e N,E,V	iP eIm	21 11 21.4D 49	1.7/73 N-Kalifornien	39.4N; 121.7W h= 5km 40.0N; 121.4W	H=20:59:02.7(U) 20:59:09 (M)
2. z,n,e,E z n,e n,e,E z,N,E	e eSn e eSg eL	21 14 29 15 10 15 16 16 05 16 20	Jugoslawien	43.7N; 17.6E 43.7N; 17.4E h= 33km	H=21:11:33 (B) 21:11:32.9(U)
3. z	e	00 49 09			
3. z	eP	01 15 22	1.5/22 N-Kalifornien	39.5N; 121.5W h= 8km 39.3N; 121.6W	H=01:03:05.8(U) 01:03:07 (M)
3. z	ePKP	04 32 55	Salomonen	7.0S; 154.7E h= 43km	H=04:13:54.2(U)
3. z,n,e	eP	06 47 47	Zentralkalifornien	36.5N; 120.3W h= 5km 36.4N; 120.9W	H=06:35:16.5(U) 06:35:21 (M)
3. z,e z N,E	eP e eIm	10 45 49 45 56 11 05	Leeward-Inseln	19.7N; 63.2W h= 35km	H=10:35:01.5(U)
3. z,V z z,V e N,E,V eL N,E,V	eP e ePPP eS e(SS) eL eIm	12 13 10 13 21 17 17 24 02 55 13 04	100° MIH=5.9 Nahe der Küste von Peru t19 an1.5 ae3 av4 t17 an3 ae1 av3.5	15.6S; 75.1W h= 15km 15.6S; 75.8W	H=11:59:20.7(U) 11:59:17 (M)
3. z z,n	e(PKP) e	13 51 23 51 32	W-lich der Macquarie-Insel	52.4S; 139.9E h= 33km	H=13:31:35.6(U)
3. z	e	21 18 35	Spuren		
4. z	e	04 59 20	Spuren		
4. z,n,e z,n,e	iPg iSg	08 00 15.3 00 34.1	140km Sprengung 20t	50.13°N; 12.24°E	(C)
4. z,n,e z,e	eP e	08 31 51 33 33	S-liche Provinz Sinkiang, China	39.4N; 74.1E h= 61km 39.7N; 74.0E	H=08:23:54.0(U) 08:23:50 (M)
4. z	e	12 32 07			
4. z	e	14 42 50	Spuren, Grenzgebiet Afghanistan - UdSSR	36.5N; 71.0E h=166km 37.3N; 71.1E 125	H=14:34:53.9(U) 14:35:02 (M)
4. z	iP	19 02 46.8	1.3/23 Gebiet der Kurilen	48.9N; 156.1E h= 33km	H=18:51:05.4(U)
4. z	iP	19 11 41.9D	1.2/35 Kurilen	46.1N; 150.8E h= 33km 46.2N; 150.5E 120	H=18:59:54.8(U) 19:00:05 (M)

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4. z z z	eP e e(PF)	23 32 25 32 40 35 54	Gebiet der Vulkan-Inseln	23.5N; 142.8E h= 90km 23.6N; 142.8E 55	H=23:19:18.3(U) 23:19:15 (M)
5. z,n,e	e	03 04 02			
5. z	ePKP	03 13 35	Salomonen	6.6S; 155.1E h= 55km 7.7S; 154.5E	H=02:54:38.9(U) 02:54:27 (M)
5. z	ePKP	04 58 32	Gebiet von Neu-Britannien	5.2S; 151.7E h=138km	H=04:39:50.6(U)
5. z	e	06 52 21			
5. z	ePP	12 05 12	Halmahera	1.8N; 127.3E h=108km 2.0N; 127.3E	H=11:47:02.9(U) 11:46:56 (M)
6. z,n z n,e	eP e e	01 00 46 00 58 01 04	E-Kaukasus, Aserbaidshan	40.7N; 48.7E 40.7N; 48.6E h= 20km 40.9N; 48.7E	H=00:55:00 (B) 00:54:58.7(U) 00:54:57 (M)
6. z	e	02 37 47	Spuren		
6. z	e	02 38 49			
6. z	iP	04 02 45.3	1.5/25 N-Kalifornien	39.5N; 121.5W h= 7km 39.8N; 121.6W	H=03:50:29.9(U) 03:50:33 (M)
6. z z	eP e	07 47 27 48 39	Tansania	4.4S; 35.9E h= 32km	H=07:37:30.4(U)
6. z	eP	09 22 12			
6. z	eSg	13 18 38	Steiermark, Österreich	47.6N; 14.9E	H=13:16:26 (W)
6. z	ePKP	17 32 38	Neue Hebriden	17.9S; 168.4E h=144km 18.1S; 168.6E	H=17:13:27.3(U) 17:13:13 (M)
6. z,n,e,E,V z,E,V e,N,E N N,E N,E,V	iP ePPPP eS e(SS) eIm eL	18 09 23.3K 11 38 15 36 19 00 22 26	2.1/145 41° MIH=5.3 N-atlantischer Rücken t19 an3 ae2 t15 an1.5 ae2 av2.5	33.7N; 39.6W 33.8N; 39.3W h= 33km 34.4N; 39.0W	H=18:01:35 (B) 18:01:39.1(U) 18:01:43 (M)
6. z	e	19 40 35	Spuren		
6. z z,n,e z,n,e z	ePKIKP iPKP iPKP epPKP	20 33 51 33 55.0D 33 59.9E 36 21	148° Mc=4.8 1.0/57 1.0/28 Gebiet der Fidschi-Inseln	20.5S; 179.0W h=649km 21.7S; 179.6W	H=20:15:20.4(U) 20:14:12 (M)
6. z,n,e,N,V z z	iP e ePP	21 48 53.9D 49 10 51 42	1.0/400 E-liches Japanisches Meer	43.9N; 139.3E h=230km 44.4N; 139.2E 225	H=21:37:39.7(U) 21:37:41 (M)
6. z bis z 7. n,e z,V E E N,E z z N,E N V N,E	eP ePKP ePP e e eSg eS eS ePKKP eS eSSSS eL eL P	22 39 35 43 18 44 33 44 42 49 17 50 28 52 20 52 53 53 58 23 00 40 08 26 18 24 01	117.5° MIH=6.5 Gebiet der Admiraltäts-Inseln t18 t23 an11 ae7.5	2.5S; 146.0E h= 33km 1.4S; 145.9E	H=22:24:31.2(U) 22:24:37 (M)
7. z	e	00 23 43			

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7. z	e	00 56 27			
7. z	1PKP	01 14 43.4K 1.1/43	Gebiet der Fidschi-Inseln	17.88; 178.7W h=534km H=00:56:05.6(U)	
7. z	1P	03 11 09.7			
7. z	ePKP	03 29 23	Salomonen	6.58; 154.9E h= 55km H=03:10:27.2(U)	
7. z, n, e	1P ePn	04 04 37.5K 0.7/63 06 05	Unterirdische Kernexplosion, Gebiet von Semipalatinsk, Kasachische SSR	49.9N; 78.9E H=03:57:00 (B) 49.8N; 78.2E h= 0km 03:56:57.5(U)	
7. z	e	09 18 03	W-Türkei	39.0N; 27.9E H=09:13:33 (B) 39.0N; 27.7E h= 38km 09:13:35.4(U)	
7. z	ePKP ePP ePKKP ePKKP eLm	13 46 56 47 38 57 36 57 57 14 40	W-Irian	3.88; 139.7E h= 65km H=13:28:24.2(U) 3.78; 140.1E 90 13:28:27 (M)	
7. z, n, e	1P i z, e n, e, N, E N, E e z, e, N, E, V	15 34 43.4D 1.3/65 34 46.9K 19.5° 35 03 38 19 38 57 40 50 41 02	Straße von Gibraltar	36.4N; 4.6W h= 95km H=15:30:24 (B) 36.4N; 4.4W 99 15:30:22.9(U) 36.2N; 4.8W 15:30:12 (M)	
7. z, n, e	e(Sg)	17 08 30	Fränkische Alb, BRD		(W)
7. z	eP	18 23 42	1.3/17		
7. z, n, e	1Sg	20 22 17.2	W-Polen		
7. z, n, V	ePKKP 1PKP 1PKP epPKP	20 30 50 D 1.7/68 30 56.1D 1.5/590 31 04.0K 1.5/220 33 23	149.5° h=640km Mo=5.6 S-lich der Fidschi-Inseln	22.88; 178.9E h=626km H=20:12:15.2(U) 22.98; 179.4E 550 20:12:07 (M)	
7. z	eP	22 51 03	Äthiopien	15.5N; 40.5E H=22:43:12 (B) 15.3N; 40.4E h= 37km 22:43:13.3(U) 14.8N; 40.3E 22:43:09 (M)	
8. z	ePKP	00 58 26	Salomonen	6.38; 154.7E h= 33km H=00:39:28.5(U) 6.28; 154.5E 00:39:24 (M)	
8. z	ePKP	03 13 52	Gebiet von Neu-Irland	4.28; 153.0E h= 41km H=02:54:58.9(U)	
8. z	1(P) e	04 34 32.8 34 45			
8. z, e	e(pPKP)	05 00 09	Neue Hebriden	13.48; 167.1E h= 58km H=04:40:19.4(U)	
8. z	e	06 45 33			
8. z	eP	07 13 06	1.3/19 N-Kalifornien	39.5N; 121.5W h= 8km H=07:00:50.1(U) 39.9N; 121.5W 07:00:54 (M)	
8. z	1PKP ₁	13 03 17.4D 0.9/52	S-lich der Fidschi-Inseln	23.18; 177.3W h=239km H=12:43:52.0(U)	
8. z	ePKP e(pPKP)	14 50 48 52 46	S-lich der Fidschi-Inseln	24.38; 179.8E h=524km H=14:31:55.8(U)	

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8. z	e(PKP)	16 10 38	Neue Hebriden	15.58; 168.0E h= 20km H=15:51:16.4(U) 15.78; 168.5E 15:51:15 (M)	
8. z	epPKP	16 53 33	Salomonen	7.08; 155.6E h= 62km H=16:34:24.2(U)	
8. z, n, e	eP e N, E N, E, V	17 20 13 20 28 30 42 18 02	Gebiet von Taiwan t13 an1.5 ae1 av0.5	22.6N; 122.4E h= 15km H=17:07:42.5(U) 23.2N; 122.3E 17:07:48 (M)	
8. z	eP epP	18 18 47 18 59	Naher der E-Küste von Hondo, Japan	36.0N; 140.3E h= 51km H=18:06:34.1(U) 36.1N; 140.2E 18:06:33 (M)	
8. z	epP	20 25 04	S-lich von Hondo, Japan	30.3N; 141.8E h= 33km H=20:12:07.8(U) 30.8N; 142.0E 20:12:10 (M)	
8. z	eP	21 18 28	Naher der E-Küste von Kamtschatka	54.6N; 159.9E h= 66km H=21:07:16.7(U) 54.1N; 160.1E 140 21:07:21 (M)	
8. z	ePKP	22 01 59	Salomonen	6.98; 155.5E h= 70km H=21:43:03.5(U)	
8. z	ePKP	22 40 31	Spuren, Tonga-Inseln	15.08; 174.2W h= 74km H=22:21:01.8(U)	
9. z	e	02 52 21	Spuren		
9. z	1PKP e	06 54 48.2D 55 23	1.6/210 Loyalty-Inseln	20.88; 168.5E h= 5km H=06:35:12.1(U) 21.08; 168.5E 06:35:16 (M)	
9. z	eP e e N, E, V	07 48 42 49 24 52 40 08 36	Mindanao, Philippinen t19 an1.5 ae1 av1.5	9.5N; 126.2E h= 49km H=07:35:16.7(U) 9.6N; 126.0E 07:35:16 (M)	
9. z, n	e eSn e z, n, e z, n, e	08 48 49 49 04 49 11 49 36 49 50	Gebiet von Banja Luka, Jugoslawien	44.8N; 17.0E H=08:46:08 (B)	
9. z	eSg	10 59 39	Bergschlag Oberschlesien, Polen		(W)
9. z	e	13 22 03	Spuren		
9. z	e	21 03 29	Spuren		
9. z	eP	22 31 39	S-Indik	26.6S; 67.8E h= 33km H=22:18:33.0(U) 26.2S; 67.9E 22:18:30 (M)	
9. z, e	e(Pg) e eSg e	23 01 25 02 04 02 18 02 21	Bergschlag Oberschlesien, Polen		(W)
10. z	eP	00 20 21	Naher der W-Küste von Kolumbien	5.3N; 77.5W h= 50km H=00:07:43.3(U)	
10. z	eP	03 23 27	Kaukasus	41.8N; 47.9E H=03:17:58 (M)	
10. z	1P	03 24 37.7K 1.8/48	Naher Inseln, Aleuten	51.2N; 174.2E h= 17km H=03:12:46.2(U) 51.3N; 173.9E 03:12:47 (M)	
10. z	1PKP	04 29 40.7D 0.9/32	Salomonen	7.08; 154.8E h= 34km H=04:10:38.9(U)	
10. z	ePKP e N, E, V	04 32 17 32 42 05 33	Salomonen	7.08; 154.7E h= 25km H=04:13:13.3(U)	
10. z	i	04 53 50.2	1.0/14		

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10. z,n,e	1FKP ₁ 1FKP ₂ e	07 14 08.1K 14 15.6 15 26	1.0/35 S-lich der Fidsohi-Inseln	22.5S;179.3W h=467km H=06:55:11.5(U)
10. z,e	eP z,n,e,N,E,V e z,n,e,N,E,V ePP z,V e z n,e,N,E,V eSKS n,e,N,E eSKKS z,N,E,V eSP e z ePKKP 55 49 N,E eSS z ePoPKKP N eSSS z ePKPKP N,E,V eLm	10 39 16 40 09 42 23 43 20 44 12 45 40 49 37.6 50 14 52 07 54 40 55 24 55 49 57 32 59 40 11 01 36 03 38 21	1.7/60 101° h=150km t8 an2 ae4.5 Provinz Jujuy, Argentinien t17 an1.5 ae1.5 av1	22.6S; 66.6W h=166km H=10:25:43.3(U) 22.9S; 66.9W 160 10:25:43 (M)
10. z	ePP	14 15 28	Grenzgebiet Chile - Bolivien	19.9S; 68.9W h= 91km H=13:57:44.6(U)
10. z	eP e	14 50 38 50 57	Gebiet der Kurilen	49.2N;158.6E h= 33km H=14:38:54.9(U) 49.6N;158.4E 14:38:58 (M)
10. z,n,e	iP epP e(P) e(P) e(SKS) eLm	17 42 17.1 42 43 46 18 48 26 52.4 18 26	2.0/61 Durch Streifenwechsel unterbrochen 100° Gebiet der Philippinen	6.0N;127.1E h=111km H=17:28:42.9(U) 6.3N;127.0E 70 17:28:40 (M)
10. z,n,e	1FKP epPKP	20 45 01.4K 45 16	1.6/59 Gebiet der Loyalty-Inseln	21.9S;170.2E h= 52km H=20:25:27.8(U)
10. z	e(P)	20 58 52	Sizilien	38.7N; 15.9E h=240km H=20:55:56 (B) 38.7N; 15.6E 211 20:55:52.1(U)
10. z	e	23 00 02		
11. z	1FKP e	02 51 00.5 53 09	0.8/22	
11. z	eP	06 23 54	N-Kalifornien	39.4N;121.5W h= 4km H=06:11:36.3(U)
11. z	eP ePP	10 52 55 56 57	Naher der Küste von Peru	11.7S; 77.8W h= 74km H=10:39:18.8(U) 8.0S; 79.6W 10:39:20 (M)
11. z,n,e	1Pg iSg iL	12 44 36.8 44 38.1 44 39.3	Sprengung	
11. z,n	eLi e e e	18 36 21 36 46 36 54 37 03	N-Schweden	67.5N; 22.5E H=18:28:09 (B)
11. z	1FKP e	20 49 41.7D 49 46	1.0/28	
11. z	iP e	21 07 16.3 07 21		
12. z,n,e	1FKP ₁ epPKP	01 31 26.6D 32 22	0.9/58 Tonga-Inseln	19.0S;175.5W h=197km H=01:12:05.8(U)
12. z	ePKP e	01 49 21 49 45	Tonga-Inseln	16.6S;173.8W h= 43km H=01:29:47.4(U)
12. z	eP epP e	09 03 31 05 03 05 52	1.1/22 S-lich von Hondo, Japan	32.0N;138.1E h=385km H=08:51:41.3(U) 32.2N;138.0E 390 08:51:43 (M)

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12. z	e	09 28 41	Spuren	
12. z	e	11 03 34		
12. z	e	13 07 11		
12. z,n,e,N,E	1P 1 z 1 e N,E N,E z,n,e,N,E z N N,E N,E N,E z N,E z N,E N,E	14 32 51.7 32 58.3 33 00.9 34 38 35 03 36 15 42 42 43 28 43 45 45 20 48 22 50 46 51 07 55 00 15 01 20 02 09 12 16	1.5/150 84° h=400km MSH=6.4 MLH=6.2 (nicht tiefenkorrigiert) t12 an9.0 ae8.7 S-lich von Hondo, Japan t14 an6.5 ae2.5 t14 an4.5 ae4	32.0N;137.7E h=391km H=14:21:04.7(U) 32.3N;137.7E 390 14:21:06 (M)
12. z,n,e	1P	15 08 51.1D	0.8/40 Mittelsibirien	70.8N;127.1E h= 33km H=15:00:02.3(U) 70.8N;126.6E 14:59:58 (M)
12. z	e	15 42 04		
12. z	eP	16 10 27	Türkei	37.0N; 31.0E h=105km H=16:06:11 (B) 37.0N; 31.0E 111 16:06:09.0(U)
12. z	e	16 27 24		
12. z	e	21 40 45 40 54		
12. z	e	21 49 42		
12. z	e	22 08 39		
12. z	e	23 17 47		
12. z	e	23 30 15	Spuren	
12. z	eP epP	23 31 55 32 40	Fuohs-Inseln, Aleuten	53.3N;170.7W h=167km H=23:20:27.0(U)
13. z,n,e	ePg eSg	00 10 50 11 09	150km Kladno, CSSR	
13. z	1FKP ₁	01 02 14.2K	1.0/48 Tonga-Inseln	21.0S;174.5W h=109km H=00:42:36.3(U)
13. z,n,e	e eSg	03 20 37 20 45		
13. z	i	03 27 17.0		
13. z,n,e	eP	10 11 44	1.8/35 N-lich von Island	66.6N; 18.3W H=10:06:54 (B) 66.1N; 17.6W h= 33km 10:06:57.7(U)
13. z	eP	14 04 52	Gebiet der Kurilen	43.1N;148.0E h= 33km H=13:52:53.2(U) 43.4N;147.8E 13:52:56 (M)
13. z	e	14 07 44		
13. z	1P epP ePP	23 20 00.0D 20 57 23 26	0.8/15 Guatemala	14.5N; 89.9W h=256km H=23:07:43.5(U)
13. z	e	23 39 53		
14. z	e	00 32 51	Spuren	
14. z	e	02 47 59		
14. z	e e	03 15 46 17 47		

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14. z	e	03 59 36			
14. z	i	04 08 19.0			
14. z	ePKIKP	15 11 47	147.5°	h=620km Mo=5.0	
z,n,e	iPKP ₁	11 51.8D	1.1/79		
z,n	iPKP ₂	11 56.9K	1.0/53		
z	epPKP	14 15	Gebiet der Fidschi-Inseln	20.08;178.7W	h=609km H=14:53:15.8(U)
14. z	ePKP ₂	17 29 15	1.6/22		
z	epPKP ₂	29 35	N-Insel von Neuseeland	39.28;176.2E	h= 75km H=17:08:31.8(U)
14. z	iPKP	18 03 14.7	0.9/47		
z	epPKP	03 33			
z	iPKP	13 14.2	Gebiet von N-Papua, Neuguinea	6.98;147.7E	h= 44km H=17:44:23.8(U)
z	e	13 31		6.88;147.9E	17:44:22 (M)
z	eSKKP	17 03			
14. z,n,e,V	iP	18 21 36.9K	1.5/135		
z,n,e,V	e(pP)	21 55			
N,E,V	eLm	25 14	Nahe der E-Küste von Hondo, Japan	37.1N;141.0E	h= 52km H=18:09:27.6(U)
		57		37.4N;141.0E	50 18:09:29 (M)
15. z	e	02 52 58			
15. z	iP	03 53 35.4	1.4/33		
			Nahe der E-Küste von Kamtschatka	54.2N;161.2E	h= 33km H=03:42:17.0(U)
				54.1N;160.2E	100 03:42:25 (M)
15. z,n,e,N,E,V	iP1	07 39 45.5D	2.0/280		
z,n,e,N	iP2	39 57.7			
z,n,e,N,E,V	ePP	42 28	72°	MSE=6.7 MIE=6.7	
N,V	e(PPPP)	45 30			
n,e,N,E	eS	49 02	t11 an4.1 ae3.7		
n,N,E	eSKS	49 50			
N,E	eSS	53 40	Gebiet der Kommandeur-Inseln	54.9N;167.6E	h= 4km H=07:28:18.9(U)
N	e	55 30		54.9N;167.6E	07:28:20 (M)
N	eSSS	57.0			
N,E	eLm	08 15	t15 an21 ae23		
N,E	eL	18	t16 an27 ae16		
V	eLm	21	t15 .av29		
15. z,n	eP	08 59 16	Gebiet der Kommandeur-Inseln	54.9N;167.8E	h= 40km H=08:47:50.8(U)
				54.6N;167.7E	08:47:49 (M)
15. z	e	09 06 18	Spuren		
15. z	e	13 17 10	Spuren		
15. z	iP	15 46 32.2			
15. z	ePKP	15 51 59	Spuren, Tonga-Inseln		
15. z	e	16 31 24		15.98;175.0W	h=200km H=15:32:47.2(U)
16. z,n,e	e(Ex)	00 33 23	580km		
z,n,e	i(Pg)	33 35.1			
n	iSn	34 11.6	N-lich von Ljubljana, Jugoslawien		
e	e	34 16		46.3N; 14.5E	H=00:31:58 (B)
e	e	34 24		46.2N; 14.5E	h= 48km 00:31:58.0(U)
z,n,e	e	34 28			
z,n,e,V	eSb	34 38			
N,E	eSg	34 48			
16. z	iP	01 06 58.0D	1.3/45		
z	epP	07 30			
z,e	ePP	10 43	N-Peru	5.48; 76.1W	h=123km H=00:53:53.7(U)
				5.38; 76.3W	00:53:44 (M)
16. z	eP	02 55 47	Nahe der S-Küste von Hondo, Japan	34.1N;138.8E	h=232km H=02:43:49.0(U)
				33.4N;138.7E	02:43:24 (M)
16. z	iPKIKP	07 42 50.6	1.2/35		
z,n,e	iPKP ₁	42 55.5D	1.2/390		
z	iPKP ₂	43 01.0	1.1/140		
z	e	43 10			
z	iPKP	45 20.6	148.5°	h=640km Mo=5.5	
z	ePKS	46 29	Gebiet der Fidschi-Inseln	21.28;179.0W	h=631km H=07:24:17.4(U)
16. z,e	e	09 59 17		22.48;178.2W	60 07:23:11 (M)
16. z	e	10 39 37			
16. z,n,e	e	11 01 34			

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16. z	e	18 15 22			
16. z	e	18 28 53			
16. z	ePKP ₂	21 46 01	S-lich der Kermadec-Inseln	32.78;178.3W	h= 33km H=21:25:27.0(U)
16. z	ePn	23 50 44	220km	W-Polen	
z,n,e	ePg	50 49			
z,n,e	eSg	51 13			
17. z	e	01 00 06			
17. z	e	01 28 10			
z	e	29 32			
17. z	ePKP	01 48 41	1.7/32		
z	e	49 11			
z	ePKS	52 11	Neue Hebriden	15.78;167.5E	h= 89km H=01:29:25.3(U)
				15.78;167.8E	80 01:29:23 (M)
17. z,n,e,V	iPKP	03 49 29.4D	1.6/380		
z	epPKP (M)	49 53			
z	ipPKP (U)	50 41.4D	Tonga-Inseln	17.28;175.0W	h=273km H=03:30:22.1(U)
				17.28;175.1W	70 03:30:00 (M)
17. z	iPKP ₂	06 33 21.9D	2.0/61		
			S-lich der Kermadec-Inseln	32.88;178.5W	h= 33km H=06:12:48.0(U)
				32.78;179.3E	60 06:12:54 (M)
17. z	e	06 45 30			
17. z	iPKP ₁	07 42 07.9K	1.0/28		
z	iPKP ₂	42 15.2			
z	epPKP	44 26	S-lich der Fidschi-Inseln	22.38;179.6W	h=598km H=07:23:24.4(U)
17. z	eSg	09 03 14	Albanien	41.7N; 19.4E	h= 33km H=08:57:11.2(U)
17. z	e	09 12 08			
17. z	e	10 18 43			
17. z	e	10 49 41			
17. z,e	iPn	11 41 31.4	220km	W-Polen	51.5N; 16.0E H=11:41:00 (B)
z,n,e	iPg	41 35.1			
n,e	i	41 49.5			
z,n,e	iSg	42 01.8			
17. z	e	16 49 22			
17. z	e	19 50 12			
17. z	e	21 51 49			
z	e	55 08			
17. z	eP	23 12 01	1.9/37		
17. z,e	ePg	23 23 24	220km	W-Polen	
z,n,e	eSg	23 51			
18. z	e	03 26 48	Türkei	40.3N; 26.1E	H=03:19:51 (B)
e	e	27 13		40.4N; 26.0E	h= 37km 03:19:51.7(U)
N,E	eLm	27.5			
18. z	ePKP	13 08 23	Gebiet von Neu-Britannien	4.78;152.4E	h= 55km H=12:49:32.7(U)
				6.78;151.9E	12:49:24 (M)
18. z	iPKP ₂	14 52 12.0D	1.4/35		
			N-Insel von Neuseeland	38.78;175.6E	h=149km H=14:31:40.0(U)
				38.88;177.5E	14:31:22 (M)
18. z	eP	15 07 58	D 1.3/28		
z	ipP	08 05.9	1.4/39		
z	ePP	10 36	Golf von Alaska	57.4N;150.2W	h= 25km H=14:56:42.1(U)
				57.9N;150.7W	14:56:47 (M)
18. z	e	18 24 14			
18. z,n,e	e	22 46 50			
19. z	e	00 08 20	Spuren		
19. z	e	01 04 51			
19. z,n,e	e	01 52 24			
19. z	e	04 06 32			
19. z	i	04 20 29.0	1.0/13		

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19. z, V	e(PFP) eL	07 10 44 59	Bismarck-See 3.48; 146.8E h= 34km H=06:48:08.1(U)
19. z	e	08 20 05	Spuren
19. z	ePKP ₂	10 49 44 49 56 53 39	S-lich der Kermadec-Inseln 32.78; 178.7W h= 31km H=10:29:10.6(U) 33.08; 179.7W 10:29:11 (M)
19. z	e	11 15 20	
19. z	e	12 18 41	
19. z, n, e, V	iP e e eSKS eS	15 09 53.6K 88° 10 02 10 37 20 14 20 32	Oaxaca, Mexiko 16.2N; 94.1W h= 85km H=14:57:12.3(U) 17.4N; 94.2W 100 14:57:19 (M)
19. z, n, e	e	15 54 14	
19. z	e	18 59 26	Spuren
19. z	e	19 09 54	
19. z	e	20 32 13	Oaxaca, Mexiko 16.9N; 97.8W h= 85km H=20:19:16.9(U)
19. z	e	23 07 07	
19. z	e	23 12 31	
19. z	e	23 21 41	
19. z, n, e	ePKP	23 51 30	1.6/25 Gebiet der Loyalty-Inseln 22.58; 170.4E h= 30km H=23:31:52.1(U)
20. z	e	00 58 55	
20. z	eP	01 47 12	Fuchs-Inseln, Aleuten 52.0N; 166.1W h= 33km H=01:35:20.9(U)
20. z	e	02 03 03 06 16	1.3/15
20. z	eP	02 17 30	Gebiet der Königin-Charlotte-Inseln 51.5N; 130.6W h= 33km H=02:06:01.8(U)
20. z	e	03 03 44	
20. z, n, e	iPg iSg i	05 06 24.6 06 37.8 06 41.9	110km Vogtland
20. z	ePKIKP iPKP ₁ iPKP ₂ epPKP	05 36 14 36 19.1D 36 24.7K 38 39	148.5° Mc=4.9 1.3/83 1.0/36
20. z	eP	16 29 19	Gebiet der Fidschi-Inseln Gebiet von Hokkaido, Japan 21.28; 179.0W h=628km H=05:17:41.2(U) 41.9N; 142.5E h= 64km H=16:17:31.0(U) 43.1N; 142.0E 16:17:35 (M)
20. z	e	19 30 45	
20. z	e	19 52 50	
20. z, n, V	iPKIKP iPKP ₁ iPKP ₂ epPKP	20 37 29.3D 37 33.9D 37 38.2K 39 45	1.9/150 1.3/510 1.4/240 148° Mc=5.7
20. z	eP	23 00 55	Gebiet der Fidschi-Inseln 20.48; 178.4W h=559km H=20:18:50.9(U) 20.48; 177.9W 455 20:18:40 (M)
21. z	e	00 55 19	Spuren
21. z	iPKP i	02 00 51.8D 00 54.9	0.9/13
21. z	e	02 12 11	Gebiet der Fidschi-Inseln 16.78; 176.9W h=133km H=01:41:32.3(U)
21. z	ePKP ₂	06 15 26	Gebiet der Kermadec-Inseln 31.58; 177.0W h= 33km H=05:54:43.8(U)
21. z	iPKP	07 06 41.1	1.0/21 Salomonen 5.98; 154.4E h=430km H=06:48:30.3(U) 6.18; 154.6E 400 06:48:27 (M)

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21. z	iP e	07 36 11.2 36 16	1.6/22 Ratten-Inseln, Aleuten 51.1N; 177.8E h= 33km H=07:24:19.8(U) 51.3N; 177.6E 07:24:21 (M)
21. z	iPKP e	08 56 37.4K 56 55	1.0/60 Gebiet der Fidschi-Inseln 17.78; 178.7W h=546km H=08:38:00.2(U)
21. z	ePKP e e ePP e ePKKP ePS ePKKS eIm F	10 05 39 05 51 06 06 07 25 09 31 15 14 17 25 19 08 11 01 12	K 1.2/38 125.5° MIH=5.7 Salomonen 6.68; 154.9E h= 50km H=09:46:42.4(U) 5.98; 153.2E 09:46:45 (M) t21 an1 ae1.5 av1
21. z	e N, E, V	14 18 27 42	
21. z	eP eS eIG ₂ e e	15 32 10 34 30 35 52 36 13 36 34	12° Albanien 40.1N; 19.7E h= 55km H=15:29:21 (B) 40.0N; 19.7E 41 15:29:16.5(U)
21. z	e	15 57 50	
21. z	e	18 21 41	Spuren
21. z	eP e	22 30 13 30 32	Halbinsel Kenai, Alaska 60.4N; 151.2W h= 67km H=22:19:21.1(U) 59.9N; 150.3W 22:19:13 (M)
22. z, n, e	iP i epP ePP	01 11 47.6 11 50.4 13 31 15 22	1.3/33 1.2/35 Gebiet der Bonin-Inseln 28.1N; 139.7E h=456km H=00:59:46.8(U) 28.5N; 139.7E 490 00:59:52 (M)
22. z, n, e	e	01 24 43	
22. z	iP	06 02 10.4D	1.3/19 Nahe der E-Küste von Kamtschatka 54.6N; 161.2E h= 32km H=05:50:53.4(U)
22. z	eP e	17 37 54 40 32	
22. z	e	17 46 07	
22. z	iPKP	18 48 07.8D	1.2/29
22. z	eP epP i e e e e e	19 48 13 49 44 49 52.2 53 04 54 05 58 07	1.7/27 1.6/67 84.5° S-lich von Hondo, Japan 31.4N; 138.1E h=399km H=19:36:24.2(U) 31.4N; 138.1E 400 19:36:24 (M)
22. z	eP ePP	19 59 32 20 02 09	S-atlantischer Rücken 15.78; 13.3W h= 33km H=19:48:19.5(U)
22. z	e	21 48 16	
22. z	e	22 19 12	
22. z	eP	23 01 07	Taiwan 23.3N; 121.7E h= 62km H=22:48:47.2(U)
22. z	eP eSKS eIm	23 21 08 31 44 00 01	Nahe der Küste von Chiapas, Mexiko 14.6N; 93.5W h= 38km H=23:08:16.9(U) 15.3N; 93.4W 23:08:20 (M)

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23. s	eP	04 20 40	113.5°		
s	e	21 02		3.28;137.6E h= 57km H=04:05:58.8(U)	
s	ePKP	24 32	W-Irian	3.58;137.0E 50	04:05:57 (M)
s,n,V	eFP	25 29			
s	eSIP	28 05			
N,E	eS	33 05			
s	e dif	35 16			
s	ePKKP	35 48			
N,E	eIm	05 06			
V	eIm	16			
23. s,n,N,E,V	iP	09 05 53.4E,S	1.1/1000		
s,n,N,E,V	i	06 16.7			
s	iPn	06 25	28.5° MPV _k =6.6 MSH=5.7		
V	e	08 20			
s,n,V	e	08 41			
N	iPaP	09 07	Unterirdische Kernexplosion, 73.4N; 54.2E	H=09:00:00 (B)	
s,N,E,V	eS	10 41	Nowaja Semlja 73.4N; 54.6E h= 0km	08:59:57.9(U)	
N,E	eSn	11 14			
N,E,V	eIm	17	t12 an5.5 ae11.5		
s	eL	20	t7 an7.5 ae3.5 av7		
s	e	38 42			
s	ePKPKP	39 22			
23. s	e(PKP)	13 13 03	Santa-Cruz-Inseln	12.58;167.0E h=220km H=12:54:08.7(U)	
z	ePP	15 45			
23. z	e	13 36 27			
23. s,n,V	iP	14 02 26.1K			
s,n,N,E	i	02 27.5D,S	1.7/700		
s	e	02 42			
s,n,V	iP	03 02.0	71° h=150km MSH=5.9		
z	iPaP	03 22.6			
s,V	e(FPP)	06 37	Naher der E-Küste von		
s	e	07 24	Kamtschatka	54.7N;160.1E h=141km H=13:51:24.1(U)	
s	i	09 40.2		54.6N;159.8E 160 13:51:26 (M)	
s,n,N,E,V	eS	11 32	t10 an1.4 ae1.7		
s,n,N,E	eSKE	12 16			
s	e	12 32			
s	e	20 25			
s	ePKPKP	30 17			
V	eIm	41			
N,E	eIm	47			
23. z,n	iP	15 20 03.0D	2.1/235		
s	e	20 23			
s	ePP	24 01	96° MSH=6.0		
E	e(PPPP)	27 35			
N,E	e(SKS)	30 50	Leyte, Philippinen		
N,E	ePFS	33 26		10.0N;125.8E h= 40km H=15:06:39.0(U)	
N,E,V	eL	59		10.1N;125.9E 50 15:06:41 (M)	
N,E,V	eIm	16 07	t20 an3 ae3.5 av5		
23. z,n	eP	17 45 38 D	Tyrrhenisches Meer	39.6N; 15.8E h=275km H=17:42:56 (E)	
z	i	45 41.3		39.6N; 15.7E 267 17:42:53.8(U)	
23. z	e	19 41 46			
23. s	ePKIKP	19 57 05	152°		
s,n	iPKP ₁	57 12.7D	0.9/48		
s	iPKP ₂	57 23.8	1.1/32		
z	epPKP	59 13	S-lich der Fidschi-Inseln	24.8S;179.9E h=488km H=19:38:13.3(U)	
23. z	eP	21 43 44	Athiopien	24.9S;178.5W 19:37:22 (M)	
z	ePaP	45 21			
23. z,n	e	21 59 17		10.6N; 39.7E h= 33km H=21:35:21.7(U)	
24. z	iP	01 16 33.0K	1.3/39	9.7N; 39.5E 21:35:15 (M)	
24. z,n	e	03 05 32	Naher der Küste von Venezuela	10.7N; 62.6W h=106km H=01:05:14.5(U)	

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24. z,n	e	11 03 22			
24. z,n	ePn	12 24 09	400km Oberösterreich	47.8N; 13.6E h= 33km H=12:23:14.8(U)	
n	ePg	24 23			
z,n	iSg	25 09.0			
z,n	i	25 18.7			
24. z	e	12 47 17			
24. z	ePKIKP	14 08 25			
z,n	iPKP ₁	08 32.0K	1.3/37	24.38;176.8W h=110km H=13:48:50.6(U)	
z	ipPKP	09 03.2	S-lich der Fidschi-Inseln	24.18;177.5W 13:48:41 (M)	
24. z	iP	14 33 38.3K			
24. z	e(P)	14 58 02			
24. z,n	iP	16 16 53.2D	1.6/24	53.1N;171.0E h= 24km H=16:05:16.0(U)	
			Naher-Inseln, Aleuten	52.7N;171.0E 16:05:15 (M)	
24. z	eP	20 56 28	Kurilen	43.9N;146.9E h= 33km H=20:44:36.6(U)	
25. z	eP	04 09 52	K 1.9/66		
z	e	10 08	Naher der W-Küste von	6.9N; 77.8W h= 47km H=03:57:20.2(U)	
z	e(PP)	13 34	Kolumbien	6.4N; 76.1W 03:57:21 (M)	
25. z	iPKP	08 30 19.9	0.9/17	6.9S;155.8E h= 73km H=08:11:24.5(U)	
z,e	epPKP	30 37	Salomonen	7.0S;155.6E 08:11:20 (M)	
25. z	eP	14 41 47	Ratten-Inseln, Aleuten	51.6N;176.2E h= 37km H=14:29:58.6(U)	
				51.5N;176.0E 14:29:58 (M)	
25. z,n	e	21 16 04			
25. z,e,V	eP	21 55 44	100°		
z,n,e	i	55 53.9			
z,e,V	iP	56 15			
z,n,e,V	ePP	59 46	N-Chile	19.2S; 69.2W h=119km H=21:42:10.8(U)	
n,e,N,E	eSKE	22 06 14		19.2S; 69.2W 110 21:42:11 (M)	
E	eS	07 10			
z	eSP	08 49			
E,V	ePSS	09 29			
s	iPKP	12 30.0			
z	ePKPKP	20 18			
z	e	20 47			
E,V	eIm	36			
26. z	iP	05 22 40.4K	1.0/47		
z	ePP	25 36			
N,E	eIm	56		41.0N;143.0E h= 54km H=05:10:45.0(U)	
V	eL	06 00	Gebiet von Hokkaido, Japan	41.5N;142.9E 45 05:10:46 (M)	
26. z	ePKP	11 26 32	Gebiet der Fidschi-Inseln	15.5S;177.2W h= 33km H=11:06:58.7(U)	
				15.7S;178.5W 11:07:01 (M)	
26. z	ePKIKP	12 39 08	151.5°		
z,n,e	iPKP ₁	39 15.1D	1.0/105		
z,n	iPKP ₂	39 23.4	1.2/98		
z	ipPKP	39 45.6		23.8S;176.9W h=114km H=12:19:32.6(U)	
z	e	40 35	S-lich der Fidschi-Inseln	24.2S;178.5W 12:19:24 (M)	
26. z,n	e	18 31 38			
26. z	eP	20 18 53	Naher der Küste von	15.1N; 94.1W h= 50km H=20:06:02.8(U)	
z,e	e	18 59	Oaxaca, Mexiko	14.9N; 93.8W 20:06:02 (M)	
27. z	iPKP ₁	02 54 52.1D	0.8/35	23.8S;179.8W h=540km H=02:35:59.7(U)	
z	iPKP ₂	55 01.0	S-lich der Fidschi-Inseln	21.9S;172.5E 02:35:16 (M)	

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27. z	1P	07 49 14.8	Tibet	34.8N; 80.5E h= 16km H=07:40:16.3(U) 34.5N; 80.9E 07:40:10 (M)
27. z	e	09 01 33		
27. z	1PKP ₁ 1PKP ₂	12 48 40.0D 0.9/26 48 43.9	Gebiet der Fidschi-Inseln	19.9S; 177.7W h=266km H=12:29:30.3(U)
27. z	1PKP	13 07 00.4E 0.9/30		
27. z	1P	17 07 05.1	S-Iran	27.7N; 56.1E H=16:59:38 (U) 27.5N; 56.2E h= 43km 16:59:31.2(U) 27.3N; 56.2E 16:59:29 (M)
z, e	e	07 10		
z	e(PPPP)	09 30		
27. z	1P	17 23 05.2D	Hondo, Japan	38.3N; 140.7E h= 17km H=17:10:57.0(U) 38.4N; 140.4E 17:11:00 (M)
27. z, n, e	e	22 03 27		
28. n	e	03 12 55		
z, n, e	e	13 20		
28. z, e	e	03 36 18		
28. z	e	04 04 34		
28. z	eP eLm	14 16 14 50	NE-China	40.7N; 122.1E h= 78km H=14:05:10.1(U)
28. z, n	e	23 10 45		
29. z	e	01 40 36	Spuren	
29. z, n, e	1(PKHKP)	07 22 51.2D 0.8/17		
z	1	23 02.2K		
z, n, e	ePP	25 54	139°	
z	eSKP	26 17		
z	e	26 28	Neue Hebriden	15.8S; 167.8E h=192km H=07:03:55.3(U) 15.9S; 167.8E 60 07:03:39 (M)
29. z, n	eP	10 28 18	79° MLH=5.8	
z	epP	28 29		
E	eS	38 14		
N, E	eLm	11 01	t19 an2.5 ae3	
V	eL	08	Vor der E-Küste von Hondo, Japan	
29. z, n	ePKIKP eSKP	11 19 23 22 40 23 03	Neue Hebriden	40.6N; 143.7E h= 30km H=10:16:17.1(U) 41.0N; 143.5E 25 10:16:18 (M)
z	e			
29. z, e	e	14 13 57		
29. z, n	e(P)	17 12 06	Vor der E-Küste von Hondo, Japan	
29. z	eiP	19 31 24	K 1.1/16	40.5N; 143.5E h= 24km H=16:59:54.5(U)
29. z, n, e	eP	20 51 58	1.6/32	
29. z	eP	22 26 58	Gebiet der Nikobaren	9.3N; 94.2E h= 33km H=20:40:01.3(U) 8.7N; 94.3E 20:39:57 (M)
30. z, n, e	e	02 39 28	Kurilen	49.1N; 156.1E h= 53km H=22:15:20.9(U) 49.7N; 155.4E 45 22:15:24 (M)
30. z, n, e	eS _i	03 00 32	Tirol, Österreich	
30. z	e	04 45 17		
30. z	e	04 59 43		47.3N; 10.5E H=02:58:13 (W)

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30. z	e	06 47 36		
30. z	eP	06 49 21	1.3/15	
z	e	49 30	E-lisch Sewernaja Semlja	81.8N; 119.6E h= 33km H=06:41:33.0(U) 81.5N; 117.7E 06:41:35 (M)
30. z	e	07 46 42		
z, n, e	e	46 55		
30. z, e	e	08 26 57		
30. z, n	e	09 49 52		
30. z, e	e	11 18 50		
30. z	e	11 26 01	Spuren	
30. z	e	13 30 54		
30. z	e	13 34 22		
30. z, n	e	14 13 38		
30. z, n, e	e	17 49 50		
30. z	ePKP ₁ 1PKP ₂	20 35 50 K 1.3/40 35 56 D	Gebiet der Fidschi-Inseln	21.1S; 178.5W h=518km H=20:17:01.7(U)
31. z	1PKP	04 02 46.0	Gebiet der Loyalty-Inseln	21.3S; 170.3E h=120km H=03:43:21.7(U)
31. z	1PKP ₁ 1PKP ₂	07 37 13.2D 0.8/17 37 23.8	S-lisch der Fidschi-Inseln	24.1S; 179.7E h=319km H=07:18:00.2(U)
31. z	e	08 57 21		
31. z	1P	09 40 00.1K 1.0/13		
31. z, n, e	1P	12 13 29.0D 1.7/30	Gebiet der Insel Kodiak	57.3N; 151.1W h= 12km H=12:02:10.0(U) 57.8N; 151.5W 12:02:16 (M)
31. z, e	1P	12 31 44.2K 31 46.4D 1.3/30	S-lisch von Panama	7.2N; 82.3W h= 33km H=12:18:56.0(U)
31. z	1PKP	15 33 18.8	Gebiet der Fidschi-Inseln	17.8S; 178.3W h=610km H=15:14:46.6(U)
31. z	1P	22 53 17.4	Kurilen	44.5N; 148.1E h= 55km H=22:41:29.9(U)
31. e	eL _i eL _{g2}	23 55 43 56 24	Bulgarien	42.0N; 23.2E h= 33km H=23:49:57.2(U) 41.8N; 23.0E 23:49:52 (M)

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1. z,n,e	e	01 47 57	
1. z,e	e	06 41 18	
1. z	1P	11 30 13.3D	
1. n	i	11 35 14.9	
z,e	e	35 18	
1. z	e	12 39 24	
1. z,n,e	e	19 35 33	
1. z,e	1P	22 03 21.8K 1.5/27	
		Kostarika	8.6N; 83.2W h= 28km H=21:50:36.8(U)
1. z	1P	22 53 52.3K 1.0/17	
z	i	53 58.1	
		N-liche Provinz Sinkiang, China	43.8N; 83.7E h= 33km H=22:45:26.4(U) 44.0N; 83.4E 22:45:28 (M)
1. z,e	eP	23 22 18 1.4/23	
z,e	e	23 20	
		Zagros, Iran	33.4N; 49.1E H=23:15:54 (B) 33.3N; 49.1E h= 16km 23:15:52.5(U) 33.4N; 49.1E 20 23:15:53 (M)
2. z,n,e	e	00 35 01	
2. z	e	00 37 47	
2. z,n	e	01 41 33	
2. z,n	1P	10 29 23.3D 2.2/68	
		S-lich von Hondo, Japan	30.2N; 140.1E h= 24km H=10:16:38.7(U)
2. z	eP	10 36 06 86° MTH=5.9	
z	e	36 15	
n	e	36 20	
z	e	36 26	
n,e	e	36 26	
N,E	e(S)	36 35	
N,E	eL	46 42	
N,E,V	eLm	11 14	
		19	
		t15 an1.5 ae3 t14 an3 ae2.5 av3	
2. z	eP	10 38 41 Japan	
n	e	39 51	
			H=10:26:00 (B)
2. z	eP	10 57 22 S-lich von Hondo, Japan	
			30.1N; 140.1E h= 25km H=10:44:38.8(U) 30.2N; 140.2E 10:44:40 (M)
2. z,n	1P	11 10 29.2D 2.0/58	
z	e	14 19	
		S-lich von Hondo, Japan	30.1N; 139.9E h= 42km H=10:57:49.8(U) 30.4N; 139.9E 10:57:50 (M)
2. z	e	12 22 01 Gelbes Meer	
z	ePP	24 38	
z	e	25 03	
N,E	eLm	51	
V	eLm	56	
		t22 an2 ae1.5	33.0N; 121.9E h= 33km H=12:10:05.7(U) 33.9N; 121.2E 12:10:17 (M)
2. z	eP	15 46 38 109.5°	
z	e	47 53	
z,n,e	ePKP	50 23	
z	ePKP	50 42	
z	ePKP	16 01 31 Sawu-See	
N,E,V	eLm	01 42	
		39	
			10.08; 121.7E h= 68km H=15:31:59.5(U) 10.08; 121.8E 50 15:31:58 (M)
2. z,n,e	1P	19 50 39.1D 0.8/28	
		Vor der E-Küste von Hondo, Japan	33.6N; 142.2E h= 18km H=19:38:07.5(U) 34.1N; 142.2E 20 19:38:10 (M)
2. z,n,e	e	20 27 55	

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3. z	1P	04 21 49.6D 1.0/12	
3. z	e	09 17 45	
z	e	17 58	
3. e	e(Sg)	13 53 04 Küste von Jugoslawien	(W)
z,n,e	e	53 16	
3. z,n,e	e	16 27 24	
3. z	eSg	19 31 48 Spuren, Bergschlag Oberschlesien, Polen	(F)
3. z,n,e,V	eP	19 55 27 1.8/50	
z	e	55 37	
N	eS	59 57	25.5° MTH=5.0
N,E	eLm	20 04	t18 an4 ae1.5
V	eLm	06	t13 av1.5
			59.9N; 30.0W H=19:49:59 (B) 59.9N; 29.8W h= 33km 19:50:01.6(U) 60.0N; 30.5W 19:49:55 (M)
3. z,n,e	eSg	22 01 55 Bergschlag Oberschlesien, Polen	(F)
4. z	e	03 32 47	
4. z,n,e	1Pg	12 44 07.9 Sprengung	
z,n,e	1Sg	44 10.4	
z,N,E,V	1L	44 12.2	
4. z,n,e	eP	13 07 42 1.6/24	
N,E	eS	12 12	
N,E,V	eLm	17	
			N-atlantischer Rücken 59.9N; 30.0W H=13:02:15 (B) 59.7N; 29.8W h= 33km 13:02:17.4(U) 59.6N; 29.8W 13:02:17 (M)
4. z	e	14 56 04	
z	e	56 24	
4. z,n,e	e	15 50 55	
4. z,n	1P	16 01 08.2K 1.2/22	
		Kurilen	43.1N; 147.9E h= 36km H=15:49:11.9(U) 43.6N; 147.9E 15:49:13 (M)
4. z	eP	17 32 40 Kurilen	
			43.3N; 147.8E h= 39km H=17:20:44.9(U) 43.3N; 147.4E 17:20:45 (M)
4. z	e	20 55 07 Spuren	
4. z	e	23 14 10	
z	e	14 22	
4. z	1PKIKP	23 59 45.8D 1.8/40	
bis z,n,e,V	1FKP ₁	59 52.3D 1.0/240	
z	1FKP ₂	00 00 01.4 1.4/80	
z	epPKIKP	01 56 150.5° h=550km Mc=5.3	
z	epFKP ₁	02 02	
			S-lich der Fidschi-Inseln 23.78; 179.2E h=541km H=23:41:01.1(U) 23.68; 179.6W 23:40:03 (M)
5. z	e(Pg)	04 47 48 490km Österreich	47.4N; 16.0E h= 33km H=04:46:23.4(U)
z,n,e	eSg	48 49	
5. z	e	07 08 02 E-lich der N-Insel	
z	ePKP ₂	08 15	
		von Neuseeland	35.6S; 179.9W h= 33km H=06:47:33.8(U)
5. z	1FKP ₁	16 26 20.7D 0.9/26	
z,n,e	1FKP ₂	26 24.1K	
z	i	26 31.4	
z,e	epPKP	27 17	
			Gebiet der Fidschi-Inseln 20.78; 176.3W h=195km H=16:06:55.7(U)
5. z	eFKP	23 00 25 1.2/18	
		Salomonen	6.8S; 154.4E h= 35km H=22:41:26.6(U) 7.8S; 154.8E 22:41:22 (M)
5. z	e	23 49 32	

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6. z,n	e	04 43 52					
6. z	eP	04 54 05	Nepal	29.3N; 82.2E h= 33km	H=04:44:35.7(U)		
				29.6N; 81.8E h= 15	04:44:36 (M)		
6. z	e	06 15 05	Spuren				
6. z,n,e	iP	09 25 17.1K	1.8/2300				
N,E,V			t8 an5.0 ae10.4 av15.7				
z,n,e	i	25 22					
z,e	i	25 26	23° MPV ₁ =6.4 MPH ₁ =6.5 MPV ₁ =6.6				
E,V	ePP	25 32	MSH=7.0 MH=6.6				
N,E	eS	25 44					
N,E	eS	25 58	t13 an(59) ae61.5	38.5N; 41.0E	H=09:20:09 (B)		
N,E	e	29 30	E-Anatolien, Türkei	38.5N; 40.7E h= 26km	09:20:10.9(U)		
N,E	eIm	29 53	t16 an(130) ae135	38.7N; 40.7E	09:20:13 (M)		
N,E	eIm	30 40					
N,E	eIm	35	t12				
N,E	F	36	av120				
		12					
6. z	e	09 33 59					
6. z	iP	09 34 53.2D					
6. z	iP	09 47 58.8					
6. z,e	e	09 49 48					
6. z	eFKIKP	09 54 11	149° Mo=4.9				
z,n,e	iFKP ₁	54 17.8D	1.0/62				
z	iFKP ₂	54 24.9	1.1/36				
z	epPKP	56 39	S-lich der Fidschi-Inseln	22.0S; 179.7W h=630km	H=09:35:38.2(U)		
6. z	e	09 59 42	Spuren				
6. z	e	10 12 31	Spuren				
6. z,e	eP	10 15 55	1.1/16				
			NW-Iran (?)				
6. z,n,e	eP	10 18 12	1.0/39				(W)
z,e	i	18 17		38.6N; 40.8E	H=10:13:08 (B)		
z	i	18 25	E-Anatolien, Türkei	38.5N; 40.6E h= 33km	10:13:08.5(U)		
6. z	e	10 28 13		38.7N; 40.5E	10:13:09 (M)		
6. z,e	e	10 39 58					
6. z,e	eP	10 57 21	D 1.0/37				
z,n,e,E,V	i	57 23.9	2.1/510	38.5N; 41.0E	H=10:52:14 (B)		
z,n,e	i	57 30	E-Anatolien, Türkei	38.4N; 40.8E h= 33km	10:52:15.0(U)		
6. z	eP	11 01 09		38.7N; 41.0E	10:52:17 (M)		
6. z,n,e	iPb	12 00 18.0	140km Sprengung 20t, GSSR				
z,n,e	iPg	00 18.5					
z,n,e	iSg	00 33.0					
z	i	00 35.1					
z,e	iL	00 47.6					
	F	04					
6. z	e	12 05 09	Spuren				
6. z,e	iP	12 15 53.1D	1.2/31				
z,n,e,E,V	i	15 56.2	2.4/350				
N,E	eS	20 08	23° MH=4.7				
N,E,V	eIm	25	t16 an1.5 ae2 av1.5	38.4N; 40.5E	H=12:10:47 (B)		
	F	13 10	E-Anatolien, Türkei	38.4N; 40.6E h= 33km	12:10:47.2(U)		
				38.6N; 40.6E	12:10:46 (M)		

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6. z,e	eP	12 29 07	1.2/16				
z,n,e	i	29 09.8	1.4/46				
				E-Anatolien, Türkei		38.5N; 40.5E	H=12:24:00 (B)
						38.2N; 40.5E h= 33km	12:24:00.5(U)
						39.2N; 40.9E	12:24:07 (M)
6. z	eP	13 25 59		E-Anatolien, Türkei		38.5N; 41.0E	H=13:20:51 (B)
z,n,e	e	26 06					
6. z	e	14 31 23					
6. z	e	16 13 42					
6. z	iP	18 16 20.6K	Gebiet der Insel Kodiak			56.6N; 152.3W h= 33km	H=18:04:59.5(U)
						55.9N; 152.3W	18:04:55 (M)
6. z,e	e	21 58 27		Bosnien, Jugoslawien			(W)
z	e	59 27					
n,e	e	59 44					
6. z,n,e	eP	22 47 56	1.4/25			38.5N; 40.6E	H=22:42:50 (B)
				E-Anatolien, Türkei		38.5N; 40.5E h= 33km	22:42:50.5(U)
						39.1N; 40.4E	22:42:56 (M)
6. z,n,e	e	23 30 04					
7. z,e	e	00 05 14					
7. z,n,e	e	01 30 03					
7. z	eP	01 54 30					
z	e	54 46					
z	e	58 03					
z	e	02 01 10					
7. z,n,e	e	04 42 48					
7. z	eP	07 18 35		E-Anatolien, Türkei		39.2N; 40.8E	H=07:13:34 (B)
z,e	i	18 44.0				38.7N; 40.4E h= 33km	07:13:31.4(U)
						38.8N; 40.6E	07:13:33 (M)
7. z	e	10 02 21					
7. z	e(P)	10 12 11		E-Anatolien, Türkei		38.9N; 40.4E h= 33km	H=10:07:02.1(U)
7. z	e	10 34 15					
7. z,n,e	e	11 33 15					
7. z	iP	11 52 02.6D	0.8/19				
z	epP	52 52		E-liches Japanisches Meer		43.1N; 139.3E h=201km	H=11:40:41.4(U)
						43.7N; 138.3E	11:40:30 (M)
7. z,n,e	ePn	16 24 17	620km				
z,n,e	ePg	24 42		Nähe Zagreb, Jugoslawien		45.9N; 15.8E	H=16:22:52 (B)
z	i	24 58.6				45.8N; 15.7E h= 33km	16:22:52.4(U)
z,e	e	25 10				43.9N; 13.1E	16:22:27 (M)
z,n,e,N,E,V	iSg	25 45					
N,V	eIm	25 55					
		26 25					
7. z	e(Fg)	20 40 44		Graubünden, Schweiz		47.0N; 9.6E	H=20:39:08 (B)
z,n,e	e(Sg)	41 51				47.1N; 9.7E h= 33km	20:39:11.2(U)
7. z	e(P)	23 59 00		Grenzgebiet Panama - Kostarika		8.3N; 82.6W h= 33km	H=23:46:08.7(U)
8. z	eP	00 43 25		Arabisches Meer		12.9N; 57.8E h= 33km	H=00:34:11.5(U)
z	e	43 33					
8. z	e	01 30 41					

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8. z,n,e z	1FKP ₁ 1FKP ₂	07 00 37.8D 0.8/40 00 42.3K 0.9/26 148° Mc=4.8	Gebiet der Fidshi-Inseln	20.4S;178.6W h=618km H=06:42:00.4(U)
8. z,e	iP	09 40 37.1K 1.1/30	Hondo, Japan	40.9N;140.6E h=132km H=09:28:55.2(U) 41.4N;140.8E 140 09:28:58 (M)
8. z	e	12 41 24		
8. z,e	e	18 39 53	Gebiet von Island	62.9N; 25.5W h= 33km H=18:34:35.7(U)
9. z	e(P)	00 34 57		
9. z,e z	eP e	02 55 56 56 03	1.5/32 Nahe der Küste von N-Kalifornien	40.9N;124.4W h= 27km H=02:43:42.5(U)
9. z	eP	06 08 31	Gebiet von Hokkaido, Japan	41.6N;142.7E h= 50km H=05:56:38.2(U) 42.2N;142.5E 05:56:39 (M)
9. z,n,e z,n,e V N,E,V N,E,V	iP e e(PP) eSS eLm	18 40 53.0K 1.3/100 41 01 42 50 51 05 19 02	45.5° MLH=5.4 t16 an2.5 ae2.5 av3 S-liche Provinz Sinkiang, China	40.0N; 78.6E h= 33km H=18:32:33.7(U) 39.9N; 78.7E 18:32:32 (M)
9. z N,E,V	e(PKP ₂) eLm	20 16 21 21 30	Gebiet der Balleny-Inseln	62.2S;160.4E h= 33km H=19:55:36.2(U) 61.4S;149.9E 19:55:41 (M)
9. z,e z,e	eP e	22 56 05 56 25	Transatlantische seismische Zone	35/4N; 16/4W H=22:50:29 (B) 35.5N; 17.3W h= 33km 22:50:23.1(U)
9. z z	ePKP ePKS	23 40 23 43 55	Neue Hebriden	13.5S;166.3E h= 40km H=23:21:04.0(U) 13.7S;166.9E 23:21:02 (M)
10. z,e	e	00 47 51	Kaukasus	43.8N; 45.0E H=00:42:45 (M)
10. z	e	07 48 33		
10. z z	ePKP ePP	08 21 32 24 06	Santa-Cruz-Inseln	11.9S;166.4E h=107km H=08:02:20.8(U) 12.0S;166.5E 08:02:11 (M)
10. z N,E,V	iP eLm	09 38 56.9K 1.4/37 10 14	Nahe der E-Küste von Hondo, Japan	40.3N;142.8E h= 45km H=09:26:57.4(U) 40.4N;142.8E 09:26:56 (M)
10. z	e	10 56 47	Spuren	
10. z z,n,e	ePKIKP ePKP ₁ iPKP ₂	11 04 11 04 17 04 31.7	153° S-lich der Tonga-Inseln	25.1S;175.4W h= 33km H=10:44:22.8(U)
10. z n,e z,n,e	iPn ePg eSg	11 14 20.8 14 23 14 51	225km SW-Polen	
10. z,n,e z,n,e	iPg iSg	18 57 43.3 58 02.0	145km Bergschlag Kladno	
10. z	e	23 42 54	Spuren	
11. z,n,e	e	03 53 11		

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11. z z,n,e z	iPKP i i	03 54 54.9 54 57.6 55 07.1K	1.2/22 1.8/41	Gebiet der Neuen Hebriden	20.3S;174.4E h= 63km H=03:35:22.7(U)
11. z z,n,e	e(P) e	09 46 02 46 11		E-Anatolien, Türkei	38.3N; 40.0E h= 61km H=09:40:53.0(U) 37.8N; 39.4E 09:40:45 (M)
11. z,n,e N,E,V	iPg i	10 58 32.9 58 34.6		Sprengung	
11. z,n,e z,n,e	iPg iSg	10 59 42.4 59 58.2		Sprengung	
11. n z,n,e	e e	11 02 43 02 49			
11. z,n,e	e(P)	11 16 28		Gebiet der Kykladen, Griechenland	36.8N; 24.6E H=11:13:21 (C)
11. z z,n,e z	iPg eSg i i	12 36 44.9 37 22 37 25.2 37 29.7		Sprengung (?), OCSR	
11. z,e	e	14 14 47			
11. z	e	19 59 05			
11. z z	e e	21 58 43 59 12			
11. z	eP	22 06 42			
11. z,n,e,V z,V z,n,e,N,E,V z,n,e n,N,E e,N,E N,E z N,E,V z N,E,V	eP e ePP ePPP eSKS e ePS ePKKP eSS ePoPPKP eLm	22 13 44 17 17 17 54 20 00 24 26 26 43 27 00 30 21 32 24 34 02 54	D 2.9/300 3.0/550 101° MPPV _k =6.5 MLH=6.2	Vor der Küste von Mexiko	7.0N;104.3W h= 33km H=21:59:57.2(U) 8.3N;104.4W 90 22:00:09 (M)
11. z	eP	22 15 45		Nachbeben Mexiko	
11. z	e	22 45 56			
12. z,n,e	iP	00 46 33.8	1.4/37	E-Anatolien, Türkei	38.4N; 40.8E H=00:41:25 (B) 39.2N; 40.7E h= 33km 00:41:34.5(U) 38.6N; 40.3E 00:41:27 (M)
12. z,n,e	iPKP ₁	01 21 51.3D	0.9/54	Gebiet der Fidshi-Inseln	17.2S;177.0W h=386km H=01:02:56.8(U)
12. z,n,e z,n	iPg iSg	08 00 55.1 01 10.8	115km	Spurer Sprengung 7.5t	50.29°N; 12.59°E (C)
12. z z z	iPg i(Sg) eL	10 30 10.6 30 27.1 30 30	105km	Spuren Sprengung 8.6t	50.46°N; 13.02°E (C)
12. z	e	13 08 42			
12. z,n,e,V z N,E N,E N,E N,E N,E,V	iP e e eS eIm eL	13 14 08.7 14 21 14 24 17 16 20 21	1.7/82 16.5° MLH=5.1 t14 an4 ae6.5 t13 an5.5 ae3 av7	S-lich des Peloponnes, Griechenland	36.1N; 21.8E H=13:10:17 (B) 36.2N; 21.8E h= 47km 13:10:19.2(U) 36.1N; 21.7E 25 13:10:15 (M)

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12. z,n,e z,n N,E	iP i eL	15 39 55.0K 1.9/120 40 02.1K 16 06	Nahe der E-Küste von Kamtschatka	51.9N;157.2E h= 88km H=15:28:35.1(U) 51.8N;157.4E 130 15:28:38 (M)
12. z e z z,n,e z,e	eSn e e eSg e	21 54 13 54 23 54 45 55 02 55 10	Mittelitalien	43.7N; 12.0E H=21:50:46 (B) 43.9N; 11.9E h= 33km 21:50:49.6(U)
12. z	iP	21 56 33.1K 1.1/30		
13. z,n	e	00 29 44		
13. z,n,e	e	02 43 19		
13. z z N,E,V	e e eLm	03 02 10 03 05 27		
13. z z	iPKP ₂ e	06 55 27.1K S-lich der Kermadec-Inseln 56 01		32.78;178.4W h= 28km H=06:34:50.8(U) 31.98;176.3E 06:34:59 (M)
13. z,n	e	07 33 28		
13. z z,n,e z z z	iPKIKP iPKP ₁ iPKP ₂ epPKP e	11 33 10.4 148° h=610km Mc=5.1 33 14.8D 1.1/115 33 19.9K 1.2/86 35 35 35 43	Gebiet der Fidschi-Inseln	20.88;178.7W h=619km H=11:14:36.8(U) 21.18;176.2W 11:13:30 (M)
13. z z,n,e z z,e,E N,E,V	eP e eSSSS eLg ₂ eLm	14 34 01 34 07 37 20 38 29 39.9	1.2/48 Nahe des Golfs von Korinth, Griechenland t11 an1.5 ae1 av2	38.6N; 22.2E h= 55km H=14:30:42 (B) 38.5N; 21.8E 24 14:30:36.1(U) 38.3N; 21.8E 14:30:35 (M)
13. z,e	iP	16 17 47.7D 1.5/34	Nahe der E-Küste von Kamtschatka	53.2N;160.0E h= 38km H=16:06:24.8(U) 53.1N;160.3E 16:06:23 (M)
13. z	e	16 29 29	Spuren	
13. z	iP	21 24 57.1K		
13. z N,E	eP eLm	21 33 33 22 07	Zentralkalifornien	36.0N;120.6W h= 13km H=21:20:59.8(U)
14. z z	e e	04 29 29 30 48		
14. N E	eL eL	16 01 07		
14. z	eP	16 43 23 1.5/22		
15. z	iP	01 35 50.9D	Gebiet von Hokkaido, Japan	42.1N;141.9E h= 88km H=01:24:06.0(U)
15. z	iPKP	02 11 39.5K		
15. z	e	06 25 36		
15. z	eP	07 21 24	Spuren, Vor der Küste von Kostarika	10.9N; 86.3W h= 33km H=07:08:40.2(U)
15. z,n,e,V	iPKP ₁	17 07 20.6K 1.9/135	Tonga-Inseln	21.38;174.6W h= 31km H=16:47:32.9(U)

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15. z,n,e	e	17 50 14		
15. z	iPKP	18 11 59.0D 1.0/16	Gebiet von E-Papua - Neuguinea	6.78;147.3E h= 72km H=17:53:11.8(U)
16. z z z,n,e z z,n,e N,E,V N,E,V	ePKIKP i ePKP ₂ ePP e eL eLm	00 20 47 20 57.9D 21 33 25 19 25 35 01 44 49	161.5° MLH=5.9 Vor der W-Küste der S-Insel von Neuseeland t18 an1.5 ae1 av1.5 t16 an1 ae1.5 av2	47.38;165.6E h= 30km H=00:00:48.8(U) 46.5N;164.4E 00:00:53 (M)
16. z	e	00 28 24		
16. z	e	00 29 48		
16. z z,e e z,n	e e e eSg	00 31 53 32 35 33 22 33 40	Nahe der Küste von Albanien	41.5N; 19.3E H=00:27:37 (B) 41.5N; 19.3E h= 73km 00:27:38.2(U)
16. z	eP	00 57 24	Grenzgebiet Peru - Ecuador	4.38; 80.7W h= 65km H=00:44:02.3(U)
16. z	e	01 39 22		
16. z	iP	02 38 31.0D 1.2/31		
16. z	e	03 06 47	Spuren	
16. z,n,e z,e i z,e z,n,V i n,e,N,E z,n,V n,e,N,E z,n,N,E V V	iPn i i e e iSb i eSg eLm i eL	05 08 52.6D 1.7/56 09 02.4 10 22.0 1180km 10 34 11 38 12 06 12 14 12 25 12 37.2 13.6	Nahe der Küste von Albanien t12 an6 ae12	41.5N; 19.3E H=05:06:18 (B) 41.6N; 19.3E h= 22km 05:06:18.3(U) 41.5N; 19.2E 05:06:19 (M)
16. z z	eP epP	07 23 37 23 50	S-lich von Hondo, Japan	31.5N;141.7E h= 35km H=07:10:58.6(U) 31.5N;141.8E 07:10:58 (M)
16. z	iP	11 21 21.1D 1.4/37	Gebiet der Bonin-Inseln	27.3N;140.1E h=374km H=11:09:07.8(U) 27.8N;140.1E 470 11:09:19 (M)
16. z,n,e	e	11 27 15		
16. z z,n,e z	ePKIKP iPKP ₁ epPKP	12 11 27 11 28.8D 13 33	Gebiet der Fidschi-Inseln	18.0S;178.0W h=523km H=11:52:48.4(U) 18.28;177.6W 11:51:53 (M)
16. z,n,e z,n n,e n,e z,n,e	iPn i(Pg) eSn i iSg	12 22 37.2 525km 22 56.7 23 30 23 57 24 02	Kärnten, Österreich	46.6N; 13.5E h= 33km H=12:21:26.8(U)
16. z,n,e z	eP e	12 56 23 56 52	E-Anatolien, Türkei	38.5N; 40.6E H=12:51:17 (B) 38.5N; 40.7E h= 15km 12:51:13.9(U) 38.4N; 40.7E 12:51:16 (M)
16. z,n,e z,n,e	iPg iSg	12 58 42.9 58 58.2	Spuren Sprengung	
16. z,n,e	e	15 39 17		
16. z,e z,n,e	iPg iSg	16 00 43.6 01 02.3	150km Spuren Sprengung 7.5t 50.54°N; 14.65°E	(C)

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16. z	e(Pn)	18 48 32	Nahe der Küste von Albanien	41.5N; 19.3E 41.5N; 19.2E h= 50km 41.1N; 18.9E	H=18:45:46 (B) 18:45:47.4 (U) 18:45:42 (M)
z,e	e	48 47			
z,n	e	50 10			
z,n,e	eSg	51 43			
n	e	51 57			
16. z,n,e	e	18 59 07	Nahe der Küste von Albanien	41.5N; 19.3E 41.5N; 19.2E h= 33km	H=18:54:59 (B) 18:54:59.8 (U)
z,n	e	59 54			
z,n,e	e	19 00 36			
z,e	eSg	01 11			
17. z,e	eP	00 19 28	D 1.6/32	38.5N; 40.8E 38.7N; 40.9E h= 15km 38.9N; 41.0E	H=00:14:22 (B) 00:14:19.6 (U) 00:14:24 (M)
z,n,e	i	19 34.0	E-Anatolien, Türkei		
17. z	eP	03 11 09	Burma	22.4N; 94.2E h= 88km 21.5N; 94.7E	H=03:00:20.1 (U) 03:00:08 (M)
z	e	11 15			
z,e	e	11 32			
17. z,n,e	eSg	08 30 25	N-Italien		(W)
17. z,e	eP	09 17 51	1.8/36 E-lische Türkei	39.7N; 41.7E 38.6N; 40.8E	H=09:12:47 (B) 09:12:46 (M)
17. z,e	eP	11 26 29	2.3/81 E-Anatolien, Türkei	38.5N; 40.4E 38.5N; 40.5E h= 44km 38.5N; 40.5E	H=11:21:25 (B) 11:21:24.5 (U) 11:21:24 (M)
17. z,n	e	18 22 49			
17. z	e(FKP)	20 17 55	Gebiet der Samoa-Inseln	16.4S; 172.1W h= 33km	H=17:58:13.5 (U)
17. z,n,e	iP	23 08 01.2K	1.5/76		
z,n	i	08 05.0	1.3/95		
z,n,e	i	08 09.6			
z,n,e	eS	11 12	16.5° MLH=4.7		
z	eL1	12 19			
N,E	e	13 10	S-lich des Peloponnes, Griechenland	36.3N; 23.1E 36.4N; 23.1E h= 35km 36.3N; 23.0E	H=23:04:05 (B) 23:04:07.1 (U) 23:04:07 (M)
z	eLg2	13 34			
z	e	13 56			
N,E,V	eLm	15.6	t11 an2.5 ae1. av3		
17. z	e	23 39 59			
17. z	ePn	23 41 19	Mittelitalien	43.9N; 11.6E h= 24km	H=23:39:27.7 (U)
z,e	e	42 51			
z,n,e	eSg	43 42			
17. z,n,e	iP	23 47 48.8	Ionische Inseln	38.3N; 20.4E 38.2N; 20.3E h= 43km 37.5N; 20.2E	H=23:44:21 (B) 23:44:20.7 (U) 23:44:09 (M)
e	eSS	49 54.0			
z,n,e	e	50 37			
z,e	e	51 06			
e	i	51 29.5			
z	eLg1	51 34			
z,n,e	e	53 02			
N,E	eLm	53.7			
V	eLm	54.1			
18. z	eP	05 10 08	Spuren, N-lich von Spitzbergen	84.1N; 1.4W h= 33km	H=05:03:29.1 (U)
18. z	iPKP1	10 22 34.0D	1.1/36 Gebiet der Fidsohi-Inseln	18.2S; 177.8W h=623km	H=10:04:02.0 (U)
18. z	e	11 04 58			
18. z	e	12 12 14			
z	e	14 00			
18. z	iPKP	14 48 49.1D	1.4/22 Salomonen	7.3S; 156.0E h= 54km 7.7S; 157.1E	H=14:29:49.8 (U) 14:29:43 (M)

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18. z,n	e	18 26 56	Neue Hebriden	15.3S; 166.6E h= 22km	H=18:07:13.5 (U)
18. z	e(FKP1)	18 38 52 39 03	S-lich der Tonga-Inseln	24.5S; 175.1W h= 39km	H=18:18:54.0 (U)
18. z	iP	18 49 47.2K			
18. z	e(FKP1)	19 03 36	S-lich der Tonga-Inseln	24.8S; 174.9W h= 33km	H=18:43:37.8 (U)
18. z	e	21 21 40			
18. z	epP	23 13 38	Burma	20.0N; 98.5E h= 33km	H=23:01:58.8 (U)
z,e	e	14 07		19.2N; 98.6E	23:01:53 (M)
19. z,n,e	iP	02 55 00.1D	1.1/105 Nahe der E-Küste von Kamtschatka	53.0N; 159.7E h= 41km 53.0N; 159.6E 75	H=02:43:36.6 (U) 02:43:40 (M)
19. z	iPg	02 59 51.2			
z,n,e	iBg	03 00 09.0			
19. z,n,e,V	iP	03 26 55.1K	1.4/190 Kurilen	47.0N; 151.9E h= 119km 47.2N; 151.7E 130	H=03:15:21.1 (U) 03:15:22 (M)
z,n	i	27 02.2			
19. z	eP	03 51 17	105° MLH=5.7		
z	e	54 51			
z,V	iPP	55 31.2			
z,n,e	e	55 39	S-Indik	34.8S; 81.8E h= 33km	H=03:37:11.7 (U)
N,E	ePS	04 04 52		33.4S; 81.6E	03:37:17 (M)
N,E	ePFS	05 46			
N,E	eSS	10.3			
N,E	eSSS	14.7			
N,E,V	eLm	40	t18 an2 ae1.5 av2.5		
19. z	eP	12 05 29			
19. z	iP	12 05 37.1D	1.4/29	38.7N; 40.9E	H=12:00:31 (B)
z	e	05 53		38.9N; 41.0E h= 86km	12:00:35.8 (U)
z	e	07 19	E-Anatolien, Türkei	38.7N; 40.8E	12:00:30 (M)
19. z,n,e,N,E,V	iP	18 06 28	1.1/87		
N,E	eS	16 14	77° MLH=6.3		
z,n,e,N,E	eScS	16 38	Gebiet von Hokkaido, Japan	41.9N; 142.7E h= 47km	H=17:54:37.0 (U)
N,E	eL	38		42.3N; 142.8E 80	17:54:41 (M)
N,E,V	eLm	43	t20 an12 ae7.5 av12		
19. z	e	21 03 53	Spuren		
19. z	eP	21 55 28	N-Atlantik	56.8N; 34.2W h= 33km	H=21:49:40.9 (U)
z,e	e	55 34			
19. z	iPKP	23 23 25.4K	1.1/23		
19. z	iPKP	23 34 31.2	1.0/13		
biP z	i	34 44.7			
20. z	e	34 59	Salomonen	6.4S; 154.9E h= 47km	H=23:15:34.0 (U)
z	e	35 31			
z	e	37 10			
z	ePKKP	44 10			
z	eSKKP	48 11			
V	eL	00 32			
20. z,n,e	e	00 57 54			
20. z	e	01 58 48			
z	i	59 32.2	1.3/19		
20. z,n	eP	05 26 40	S-lich von Kreta	34.5N; 26.4E h= 50km 34.7N; 26.3E 70	H=05:22:19 (B) 05:22:20.4 (U)

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20. z,n,e N,E	e(P) eIm	05 44 54 51	1.4/20 Golf von Antalya, Türkei 36.1N; 30.7E 36.2N; 30.7E h= 33km 36.3N; 30.9E H=05:40:22 (B) 05:40:19.6 (U) 05:40:22 (M)
20. z,n,e,V z	eP e	06 23 29 25 52	1.8/105 Gebiet des Tschagos-Archipels 6.78; 68.3E h= 33km 6.88; 68.6E H=06:11:50.0 (U) 06:11:49 (M)
20. z z	1PKP ₁ 1PKP ₂	13 37 07.9D 37 15.2K 0.9/15	0.8/30 0.9/15 S-lich der Fidschi-Inseln 22.08; 178.9W h=391km H=13:18:05.8 (U)
20. z,e	eIP	15 58 33	D E-Anatolien, Türkei 38.6N; 40.5E 38.7N; 40.8E h= 33km 38.8N; 40.8E H=15:53:27 (B) 15:53:26.7 (U) 15:53:27 (M)
20. z	e(P)	19 50 13	
20. z	e	20 02 28	Spuren
20. z z,e z,n,e z	e eL1 eLg ₂ e	21 51 50 54 30 55 24 55 50	N-Griechenland 40.4N; 21.4E 40.6N; 21.5E h= 14km H=21:48:36 (B) 21:48:36.4 (U)
21. z	eP	02 38 26	Tansania 5.98; 34.5E h= 33km H=02:28:24.8 (U)
21. z	e	03 52 07	Spuren
21. z,n,e,V z z N,E N,E N,E	eP e e(P) eSKKS eS eIm	13 25 54 27 01 29 18 36 32 36 50 14 12	1.8/42 89° MLH=5.5 Nahe der Klüfte von Chiapas, Mexiko 14.7N; 93.9W h= 33km 14.2N; 94.2W H=13:13:02.1 (U) 13:13:00 (M) t17 an1 ae1 av1
21. z,e	e	14 18 33	
21. z,n,e z z N,E V	eP e eSn eIm eIm	14 23 21 23 27 29 53 37 40	0.9/26 Iran 31.5N; 51.2E 31.6N; 51.0E h= 33km 31.5N; 51.2E H=14:16:39 (B) 14:16:37.8 (U) 14:16:37 (M)
21. z	e	15 54 27	
21. z,n,e N,E	eP eIm	20 11 16 21	1.2/29 E-Anatolien, Türkei 38.5N; 40.9E 38.3N; 40.6E h= 33km 38.7N; 40.6E H=20:06:07 (B) 20:06:09.4 (U) 20:06:11 (M)
22. z,n,e,N,V n,e,N,E,V z z,e z i N,E n,e,V z z N,E,V z,n,e e	1P e i i i eS eSSS e eSoP eIm eSoS e	00 49 12.4D 49 25 49 30.6 49 39.8 50 59.1 52 36 52 43 53 11 57 08 58 01 00 47 01 18	1.6/105 18.5° MLH=4.9 E-lich von Kreta 35.3N; 26.3E h= 80km 35.3N; 26.2E 63 35.1N; 26.1E 50 H=00:45:01 (B) 00:44:57.7 (U) 00:44:54 (M) t12 an3 ae1.5 av2.5
22. z	e	01 55 23	
22. z	1PKP	07 51 13.2K	0.8/19
22. z,n,e	eP	13 00 10	1.4/32 Anatolien, Türkei 40.2N; 33.2E 40.3N; 33.4E h= 33km 40.5N; 33.4E H=12:56:03 (B) 12:56:02.4 (U) 12:56:01 (M)

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22. z	eP	16 35 14	Anatolien, Türkei 40.2N; 33.2E 40.3N; 33.4E h= 18km 40.5N; 33.4E H=16:31:06 (B) 16:31:04.4 (U) 16:31:08 (M)
22. z,n,e	e	21 36 49	
22. z	eP	23 07 28	S-Iran 27.8N; 54.0E 27.9N; 53.9E h= 33km 28.3N; 53.9E H=23:00:04 (B) 23:00:07.1 (U) 23:00:11 (M)
23. z	e	02 48 19	Spuren
23. z	eP ipP	07 42 10 42 23.6	1.9/37 Gebiet der Kurilen 43.9N; 148.8E h= 47km H=07:30:17.3 (U)
23. z,n,e z z	1PKP e epPKP	10 27 19.3B 27 26 29 31	1.5/225 Gebiet der Fidschi-Inseln 17.58; 179.0W h=529km H=10:08:41.0 (U)
23. z,e	e	12 27 18	
23. z	e	12 41 08	
23. z	i	13 04 23.2	
23. z	e(P)	15 25 27	1.3/17
23. z,n,e z z,n,e z,n,e	1Pg 1Sg eL	16 00 13.6 00 29.6 00 39	Sprengung, CSSR
23. z	e	18 08 10	
23. z	eIm	19 48	
23. z,n,e z z z	iP i i eapP	21 38 10.2D 38 13.1K 38 22.3 38 53	0.7/30 S-liches Ägäisches Meer 36.7N; 26.9E h=160km 36.7N; 26.8E 166 H=21:34:16 (B) 21:34:14.8 (U)
24. z,n,e z N E	iP ePP eSKS eS	01 07 39.4D 10 58 18 02 18 12	1.4/240 86° MLH=5.8 S-lich von Hondo, Japan 32.1N; 142.3E h= 51km 32.4N; 142.3E H=00:55:04.6 (U) 00:55:00 (M)
24. z,n,e,V z,n,e,E z z z V V N z,n,V N,E N N,E N,E N,E,V	ePKIP 1PKP ₁ 1PKP ₂ e e e eSKKS eSKKS eSKSP e eSS eL eIm F	02 07 32 07 35.2 07 39.8 08 06 10 05 11 33 18 01 18 45 21 18 26 30 30 20 03 18 29 04 30	3.1/1100 149° MLH=6.2 Tonga-Inseln 20.5S; 174.0W h= 33km 20.7S; 174.0W H=01:47:49.7 (U) 01:47:45 (M) t19 an3 ae3 av4 t17 an2.5 ae3 av4.5
24. z	iP	07 17 25.5K	1.1/27
24. z,e z z	e(P) e e	10 20 32 20 46 23 47	S-lich von Hondo, Japan Gebiet der Insel Ascension 11.8S; 14.2W h= 33km H=10:09:36.1 (U)
24. z z	eP ePP	11 03 58 06 27	Gebiet der Insel Ascension 11.3S; 14.1W h= 33km H=10:53:06.6 (U)

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24. z,n,e	eP	11 13 54	1.7/50		
z	e	14 07			
z,V	e	14 34	67.5°	MIH=6.1	
z	ePP	15 04			
z	e	16 23			
N,E	eS	16 52	8-atlantischer Rücken	12.08; 14.5W h= 33km H=11:03:00.5(U)	
N	eSS	22 47		11.98; 15.3W	11:02:54 (M)
N,E	e	26 57			
N,E	eSSSS	27 10			
N,E	e	30 32			
N,E	eL	37	t20 an4.5 ae7.5		
N,E	eLm	39	t18 an9.5 ae3.5		
N,E	e(PKPKPK)	42 35	t18	av12	
z	eLm	43			
V	F	12 15			
24. z	e	13 36 49			
24. z,e	eP	15 46 19	1.9/51	38.5N; 40.5E H=15:41:16 (B)	
			E-Anatolien, Türkei	38.6N; 40.5E h= 33km 15:41:15.6(U)	
				38.8N; 40.7E 15:41:17 (M)	
24. z,n,e	eP	17 32 30	88.5°	MIH=6.4	
z	ePP	36 05			
N,E	eSKS	43 10			
N,E	e(PS)	44 20	Golf von Kalifornien	25.2N;109.3W h= 33km H=17:19:37.2(U)	
N,E	eSS	49 08		23.7N;110.2W	17:19:28 (M)
N,E	eSSSS	56 08			
N,E	eL	18 06	t22 an9 ae10.5		
N,E,V	eLm	13	t15 an5.5 ae9.5 av11.5		
24. z	eP	18 05 51	Naher der E-Küste von	54.6N;160.1E h= 94km H=17:54:41.8(U)	
z	e	06 03	Kantschatka		
24. z	eP	20 54 21	Riu-kiu-Inseln	29.3N;129.5E h= 42km H=20:42:02.0(U)	
N,E	eLm	21 28	t16 an4.5 ae3		
V	eL	35	t15	av4.5	
24. z	eP	21 41 24	2.1/73		
z	ePP	44 35			
z,N	eSKS	51 40	82°	MIH=6.3	
z,N	e	52 00			
N,E	e	59 08	Riu-kiu-Inseln	29.3N;129.2E h= 33km H=21:29:04.8(U)	
N,E	eLm	22 15	t17 an8.5 ae5.5	29.6N;129.3E	21:29:06 (M)
N,E,V	eL	22	t16 an4.5 ae5.5 av9		
24. z	e(P)	22 34 32	Riu-kiu-Inseln	29.4N;129.3E h= 33km H=22:22:10.0(U)	
N,E	eSSSS	56.2		30.2N;129.3E	22:22:15 (M)
N,E	eLm	23 09	t16 an8 ae5.5		
V	eLm	15	t16	av6	
24. z	e	22 44 06	Spuren		
24. z	eP	22 53 16	Riu-kiu-Inseln	28.6N;129.3E h= 33km H=22:40:54.2(U)	
24. z	eP	22 57 29	1.6/29		
z	e	58 32			
z,e	e	23 00 06	Riu-kiu-Inseln	29.2N;129.5E h= 24km H=22:45:07.7(U)	
N,E,V	eLm	38	t14 an3 ae4 av5	29.5N;129.4E	22:45:11 (M)
24. z	1PKP	23 19 00.4	1.0/22		
z	e	19 10	Gebiet der Fidschi-Inseln	18.18;178.6W h=608km H=23:00:29.0(U)	
25. z	eP	00 02 19			
25. z	e	00 20 35			
25. z	eP	00 31 55	2.2/68		
Z	e	33 26			
N,E	eLm	01 06	Riu-kiu-Inseln	29.4N;129.5E h= 33km H=00:19:35.1(U)	
V	eLm	09	t16 an3 ae2	30.0N;129.5E	00:19:38 (M)
			t16	av2.5	

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25. Z	eP	03 41 11	Riu-kiu-Inseln	29.3N;129.3E h= 33km H=03:28:52.0(U)	
N,E	eLm	04 15	t16 an5.5 ae3.5	29.3N;128.5E	03:28:53 (M)
25. z,n,e	e	06 41 11			
25. z	e	07 57 19			
25. z	1PKP ₁	08 40 35.4D	0.9/79		
z	epPKP	42 47	Gebiet der Fidschi-Inseln	18.58;177.9W h=591km H=08:21:59.5(U)	
25. z,n,e	1Pg	09 34 47.2	Spuren Sprengung, CSSR		
z,n,e	1Bg	35 09.8			
25. z	ePP	12 53 14	Banda-See	7.28;127.9E h= 33km H=12:34:09.4(U)	
				7.28;128.2E	12:34:09 (M)
25. z	ePKP ₁	14 09 05	Gebiet der Fidschi-Inseln	20.88;178.6W h=631km H=13:50:25.9(U)	
25. z	1PKP	18 29 11.3K	1.0/17		
			Salomonen	6.58;154.9E h= 61km H=18:10:16.4(U)	
				6.38;155.1E	18:10:13 (M)
25. N,E	eLm	21 11	t16 an2 ae1.5		
26. z	1PKP ₁	04 37 36.9K	1.2/24		
			S-lich der Fidschi-Inseln	23.48;179.2E h=545km H=04:18:47.0(U)	
26. e	1Pg	13 36 20.2	Bergschlag (?) Oberschlesien, Polen		(P)
z	e	36 24			
z,n,e	eSg	37 20			
26. z	ePKP	18 30 44	0.7/13		
			Neue Hebriden	20.68;169.8E h=117km H=18:11:24.2(U)	
26. z,n,e	e	19 20 20			
26. z	eP	22 02 11	1.4/22		
			Panama	7.3N; 78.1W h= 33km H=21:49:37.5(U)	
27. z,n,e	e	01 01 24			
27. z	e	01 42 20	Grenzgebiet		
			Panama - Kolumbien	7.1N; 77.5W h= 33km H=01:29:18.1(U)	
27. Z	e	18 04 36			
Z,n,e	e	04 55			
27. Z,n,e	e	18 24 54			
27. Z	eP	22 46 54	N-Kalifornien	39.5N;121.5W h= 8km H=22:34:38.1(U)	
				42.4N;121.4W	22:34:54 (M)
27. Z	eP	22 50 34	Reykjanes-Rücken	62.2N; 27/4W H=22:45:18 (B)	
				62.2N; 26.6W h= 33km	22:45:22.7(U)
27. Z	e	23 37 11			
28. Z	e	01 12 49			
28. Z,e	e	03 56 42			
Z	e	56 52			
28. Z,n,e	1PKP	04 14 37.9K	1.1/(78)		
Z	1	14 45.4	Gebiet der Fidschi-Inseln	18.08;178.4W h=612km H=03:56:05.2(U)	
28. Z,n,e	e	04 46 50			
Z,n,e	e	47 16			

September 1975					
28. Z	eFKP ₁	05 51 18	S-lich der Fidschi-Inseln	24.9S; 180°	h=499km H=05:32:20.7(U)
28. Z	iFKP ₁	09 32 55.8D	0.8/(56)	24.6S; 179.7W	h=500km H=09:13:58.3(U)
Z	e	33 24	S-lich der Fidschi-Inseln	24.8S; 179.4E	09:13:04 (M)
28. z	e	15 17 21	Spuren		
28. z,n,e	e	15 45 07			
28. z	e	19 53 11			
28. z	iP	20 30 51.4	0.8/15 Kurilen	47.2N; 152.8E	h= 99km H=20:19:13.3(U)
				47.7N; 152.8E	20:19:09 (M)
29. Z	eP	11 07 28	Mittelsibirien	69.6N; 90.4E	h= 0km H=10:59:58.1(U)
29. Z,e	eP	12 22 09	Grenzgebiet Tadschikische SSR - Sinkiang	39.3N; 73.8E	h= 57km H=12:14:12.6(U)
				39.5N; 73.7E	12:14:12 (M)
29. Z	eP	13 54 06	72° MLH=5.8		
Z	e	54 27			
e	e(PF)	56 41	Burma	18.3N; 96.4E	h= 64km H=13:42:47.1(U)
E	eS	14 03 32		18.3N; 96.6E	13:42:43 (M)
N	e	05 00			
N	e(SSS)	12.1			
N,E	eIm	24	t20 an4.5 ae1		
V	eIm	30	t20 av2		
29. Z	eP	14 50 22	104° MLH=6.3		
e	i	54 00.4			
N	e	54 30			
Z,n,e	eFP	54 43	Molukken-See	0.5S; 124.7E	h= 23km H=14:36:21.9(U)
n	e(PFP)	57 08		3.9S; 124.6E	14:36:25 (M)
n	e	57 16			
e,E	eSES	15 01 04			
N,E	eFPS	04 58			
N,E	eSS	09.9			
N,E	e	18			
N,E,V	eIm	39	t20 an3.5 ae9 av10		
29. Z	eP	15 19 25	Talau-Inseln	3.7N; 127.0E	h= 67km H=15:05:38.3(U)
				3.8N; 127.1E	15:05:35 (M)
29. Z	eFKP ₁	19 09 02	1.3/30		
Z,n,e	iFKP ₂	09 14.7	S-lich der Tonga-Inseln	25.1S; 175.6W	h= 33km H=18:49:06.4(U)
				26.6S; 173.0E	18:49:20 (M)
29. Z,n,e	e	22 25 28			
30. Z,e	eP	04 04 12	Peru	9.6S; 74.7W	h=135km H=03:50:59.3(U)
Z	epP	04 46		9.8S; 74.7W	03:50:47 (M)
30. Z,n,e	e	04 19 39			
30. z	e	13 22 55			
30. z	epP	15 48 21	Guatemala		
30. z	e	16 16 27		14.3N; 91.0W	h=107km H=15:35:24.4(U)
30. z	eP	18 31 02	93° MLH=5.7		
z	e	32 06			
z	e(PF)	32 28	S-Sumatra		
N	eS	34 58			
E	ePS	42 10			
N,E	eIm	43.5		4.9S; 102.2E	h= 33km H=18:17:49.5(U)
V	eIm	19 17	t20 an2 ae2	4.8S; 102.1E	18:17:50 (M)
		20			

Dr. B. Tittel
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Geophysikalisches Observatorium Collm
der Karl-Marx-Universität Leipzig

Geophysikalische Meßreihen

— 4 1975

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

S E I S M I C
R E C O R D S

S E I S M I S C H E
R E G I S T R I E R U N G E N

IV. quarter 1975

IV. Quartal 1975

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:

$$\varphi = 51^{\circ}18.6'N;$$

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 non-inductive 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 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 rock bursts are leaved out in this bulletin because of their unimportant force.

Evaluation

- 1 Date
- 2 Instrument

- 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 Observatoriumhauptgebäudes befindet. Die Instrumentensockel stehen unmittelbar auf unverwitterter Graywacke des Ordoviziums. Koordinaten der Erdbebenwarte:

$$\lambda = 13^{\circ}00.2'E; \quad h=230m$$

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

4. 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 Kleinquartzuhr. 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

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

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

6 Remarks; at first the own statements without mention of sources, e.g. epicentral distance, depth of focus, magnitudes after the recommendations of Zurich 1967 (index k: shortper.; index l: longper.) respectively after station-specific equations (M_c from shortperiodic longitudinal core waves; M_{ag}); than the dates of the seismic central offices or other stations with the following abbreviations:

U: USNEIS
M: Moskau/ANSSSR
B: BCIS
G: Griechenland
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 stations-spezifischen Gleichungen (M_c aus kurzperiodischen longitudinalen Kernwellen; M_{ag}); dann Daten der Seismischen Zentralen oder anderer Stationen mit folgenden Abkürzungen:

P: Polen
C: Pruhonice
S: Uppsala
W: Wien

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

t an ae av
average period [sec] amplitude from N,E,V [μ];
in the sequence z,n,e
T / A
period [sec] amplitude [$m\mu$].

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

t an ae av
mittlere Periode [sec] Amplitude von N,E,V [μ];
in der Reihenfolge z,n,e
T / A
Periode [sec] Amplitude [$m\mu$].

1.1 Falling out of the records

Juli:

N,E 01. 00.00 - 05.50
n 21. 07.30 - 08.55

August:

Z,WN,WE 21. 05.26 - 08.17
n 24. 17.18 - 05.58 am 25.
Z,WN,WE 28. 05.52 - 10.58

September:

Z 11. 12.01 - 14.11
z,V 25. 02.19 - 05.51
z 29. 13.48 - 18.40

1.2 Constants of the seismographs

1.1 Ausfall der Registrierungen

Z,N,E 21. 06.28 - 10.02
Z,N,E 24. 07.03 - 13.58

e 22. 06.06 - 05.58 am 25.
Z,WN,WE 27. 08.58 - 14.00

Z,N,E 17. 08.45 - 09.14
z 27. 16.09 - 12.47 am 28.

1.2 Konstanten der Seismographen

Gerät	T_B (s)	D_B	T_G (s)	D_G	r/T_S^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	10.0	0.28			0.026	370		15
WE	10.0	0.34			0.020	340		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

2. Auswertung

2. Evaluation

Oktober 1975

1. z	e	00 06 08			
1. z,n,e,E,V	iP	03 43 13.8D	1.8/175		
z,N	i	43 27			
z,e	i	43 45.3			
z,E,V	iFP	46 55.8	93° MLH=7.0		
z	e	47 11			
z	i	47 23			
z,V	i	47 44.3	S-Sumatra	4.9S;102.2E h= 33km H=03:29:58.9(U)	
e	e	51 15		4.5S;102.2E 50 03:30:03 (M)	
V	e	52 36			
e,E	eSKS	53 44			
N,E	eS	54 10			
n,e,E,V	e	54 43			
E,V	e(PS)	55 56			
N	eSS	04 00.5			
z	e(PKJKP ?)	02 45			
z	ePKPKP	08 26			
z	e	13 36			
z	e	16 43			
z	e	19 01			
N,E,V	eLm	31	t20 an38.5 ae29.5 av32		
V	eLm	39	t18 av32		
1. z,n,e	iP	04 26 41.4K	1.7/120	4.9S;102.1E h= 33km H=04:13:28.4(U)	
z,e	ipP	26 50.1	S-Sumatra	4.9S;102.1E 45 04:13:30 (M)	
1. z	iP	04 28 24.1	S-Sumatra	4.8S;102.1E h= 33km H=04:15:12.4(U)	
n	e	28 40			
1. z	e(P)	04 31 26			
1. z	i(P)	04 32 39.9			
1. z	eP	05 16 56			
N,E	eLm	46			
1. z	iP	07 41 39.4K	1.0/18		
1. z	iP	07 43 37.3	1.0/14		
			Vor der E-Küste von Hondo, Japan	33.6N;142.0E h= 35km H=07:31:07.8(U)	
1. z,n,e	eSg	13 24 21	Oberösterreich	47.8N; 14.15E H=13:22:26 (W)	
1. z,n,e	e	14 16 44			
n,e	e	16 56			
1. z	iPKP ₁	18 19 57.9	0.9/27		
z	epPKP	22 12			
z	i	22 18.2	S-lich der Fidschi-Inseln	25.2S;178.6E h=556km H=18:01:06.4(U)	
1. n	i	22 08 38.6	Bergschlag Oberschlesien, Polen		
z,n,e	eSg	08 43			
2. z	e	00 19 47			
2. z	ePKP ₁	04 00 05	1.1/13		
z	e	00 18	Tonga-Inseln	20.4S;173.9W h= 33km H=03:40:19.0(U)	
2. z,n,e,V	iP	11 18 33.9K	1.3/130		
			Gebiet von Hokkaido, Japan	43.2N;145.9E h= 75km H=11:06:46.5(U)	
2. z	e	16 06 20	Albanien	43.9N;145.8E 80 11:06:50 (M)	
				40.2N; 207/2E H=15:59:44 (B)	
2. z,n,e	eSg	16 30 13	Westböhmen, CSSR	40.1N; 20.5E h= 40km 15:59:43.3(U)	



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2. z	e	18 49 09	Bergschlag Oberschlesien, Polen		(P)
z	e	49 19			
n,e	e	49 22			
2. z	iPKP	18 59 20.9K	0.9/46		
z	epPKP	19 01 45	Gebiet der Fidschi-Inseln	18.0S;178.5W h=617km H=18:40:49.2(U)	
2. z	eP	19 41 39	Tadschikische SSR	39.1N; 71.5E h= 23km H=19:33:45.9(U)	
				39.2N; 71.5E 19:33:48 (M)	
3. z	e	01 38 44	Spuren		
3. z	iPKP ₁	02 45 02.6	Gebiet der Fidschi-Inseln	19.5S;177.7W h=389km H=02:26:03.3(U)	
z	epPKP	46 31			
3. z,n,e,E,V	eP	05 22 36	1.9/89		
z,e	e	22 46			
z,n,e	e	22 57	44° MSH=6.4 MLH=6.7		
z,e,N,E	eFP	24 28			
n,e,N,E,V	iS	29 12	S,E t16 an10.3 ae5.3 av3.8		
N,E,V	eSS	32.6	Pakistan	30.3N; 66.3E h= 11km H=05:14:23.3(U)	
E	e	35 45		30.6N; 66.3E 05:14:29 (M)	
N,E	eL	41	t20 an51 ae41.5		
N,E,V	eL	44	t15 an55 ae35 av34.5		
N,E,V	eLm	46	t15 an23 ae61.5 av72		
F	F	07 30			
3. z,n,e	iSg	07 19 59.0	Tirol, Österreich	47.5N; 11.9E	(W)
3. z,e	e	07 22 55			
3. z	e	07 41 21			
3. z	eP	10 05 13	D 2.6/185		
z	e	07 19			
N	ePS	15 30	Ratten-Inseln, Aleuten	51.5N;175.0E h= 13km H=09:53:22.6(U)	
N,E,V	eLm	46	t16 an1.5 ae1 av1.5	51.5N;174.8E 09:53:20 (M)	
3. z	iPKP	13 28 30.0D	1.1/23		
z	eFP	28 57	Flores-See	7.8S;122.9E h=244km H=13:10:28.3(U)	
				7.8S;122.9E 200 13:10:24 (M)	
3. z	e	14 35 37	Salomonen	10.1S;160.5E h= 56km H=14:16:17.1(U)	
				10.0S;160.7E 14:16:14 (M)	
3. z,n,e	eP	15 03 21	1.ε/70		
			E-Anatolien, Türkei	38.5N; 40.5E H=14:58:15 (B)	
				38.5N; 40.7E h= 33km 14:58:15.1(U)	
				38.6N; 40.6E 14:58:15 (M)	
3. z,n,e	ePg	15 45 41	W-Polen		
z,n,e	eSg	46 08			
3. z,n,e,V	iP	17 39 44.1K	2.4/160		
z,e,N,E	ePP	41 35	Durch Streifenwechsel unterbrochen		
V	e	43 52			
N,E	eS	46 20	t16 an4.9 ae1.7		
E	e	46 52			
N,E	eSS	49 46	44° MSH=6.0 MLH=6.4		
E	e	52.6			
E	e	54.7	Pakistan	30.4N; 66.4E h= 33km H=17:31:35.8(U)	
N,E	eL	55 46		30.5N; 66.4E 17:31:33 (M)	
N,E,V	eLm	18 01	t16 an33 ae16 av(21)		
V	eLm	03	t15 av(32)		
F	F	19 30			
3. z,n,e,N,E,V	iP	18 38 46.4D	1.7/500 1.7/195 1.7/320		
z,n,e	i	38 57.6			
z	ePPP	39 16	Island	64.5N; 18.0W H=18:34:05 (B)	
e	eSS	42 50		64.4N; 17.3W h= 33km 18:34:08.0(U)	
e	e(ScS)	49 45		64.4N; 17.7W 18:34:07 (M)	
3. z	ePg	20 30 31	W-Polen		
z	eSg	30 57			

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3. z,n,e	e	22 30 27			
4. z	eP	00 29 47	S-Sumatra	5.08;102.4E h= 33km H=00:16:32.7(U) 4.88;102.3E 00:16:34 (M)	
4. z,n	e	01 24 50			
4. z	ePKP ₂	04 00 35	Gebiet der Balleny-Inseln	62.5S;154.8E h= 33km H=03:40:19.0(U)	
4. z,n,e	e	04 24 02			
4. z,n,e	e(Pg) eSg	09 46 56 47 48	Bergschlag Oberschlesien, Polen		(P)
4. z,e	e	16 20 23			
4. z	e	16 32 42	Bergschlag Oberschlesien, Polen		(P)
z,n,e	eSg	32 58			
4. z,n	iP	20 27 25.9D	1.2/35		
z	e	27 39	Vor der E-Küste von Hondo, Japan	33.7N;142.1E h= 18km H=20:14:54.0(U) 33.7N;142.1E 20:14:56 (M)	
4. z	e	20 58 29	Spuren		
4. z	iP	21 04 19.9K			
4. z,e	iP	21 40 53.7D	1.6/40		
z	e	44 06			
E	eLm	22 19	S-lich von Panama	6.4N; 82.7W h= 33km H=21:27:59.6(U)	
4. z,e	e	22 22 48	Bergschlag Oberschlesien, Polen		(P)
4. z,e	eP	23 25 18	88.5°		
bis z	i	25 23.9	1.2/39		
5. z,n	e	25 35			
z,n,e	i	25 47.5	S-lich von Panama	6.4N; 82.5W h= 33km H=23:12:25.5(U)	
E	e(SKS)	35 53			
N,E,V	eLm	00 05	t18 an ? ae3 av4		
5. z,n,e	e	12 45 03			
5. z	eP	15 44 51	Gebiet der Philippinen	6.2N;127.1E h= 66km H=15:31:12.8(U) 6.4N;127.0E 15:31:10 (M)	
z	e	45 03			
z	e	49 40			
E,V	eLm	16 36			
5. z,e	iPKP ₁	16 21 01.3D	1.1/33		
z	e	21 28			
z	i	21 34.8	Tonga-Inseln	18.9S;174.3W h= 33km H=16:01:20.9(U)	
5. z,e	iPKP ₁	16 53 06.1D	2.1/75		
z,n,e	i	53 17.0	Oster-Rücken	49.8S;115.3W h= 33km H=16:33:21.2(U) 50.7S;117.4W 16:33:25 (M)	
5. z	iP	17 01 24.0D	1.2/14		
5. z	eP	17 34 12	Kostarika	9.4N; 84.3W h= 61km H=17:21:31.0(U)	
6. z	iP	05 37 55.7D	1.2/31		
			Vor der E-Küste von Hondo, Japan	33.5N;142.0E h= 21km H=05:25:24.2(U) 33.4N;141.6E 05:25:27 (M)	
6. z	ePKIKP	10 11 09	1.4/17		
z,n,e	iPKP ₁	11 16.4K	1.1/130		
z	iPKP ₂	11 28.9	1.2/75		
z	ePKP	13 21	152° h=520km		
			S-lich der Fidsohi-Inseln	25.4S;179.9W h=492km H=09:52:16.8(U) 26.2S;179.2W 09:51:22 (M)	

Oktober 1975

6. z	e	11 52 18			
6. z,n,e	e	12 07 33			
z,n,e	e	08 04			
6. z	e	17 10 25			
6. z	e(P)	18 13 13	Grenzgebiet Iran - UdSSR	38.0N; 48.1E h= 54km H=18:07:20.5(U) 38.1N; 48.4E 18:07:23 (M)	
6. z	iP	21 32 20.6D	Mittelmeer, S-lich von Kreta	34.0N; 25.1E H=21:27:52 (B) 34.2N; 25.1E h= 38km 21:27:55.9(U) 32.4N; 24.5E 21:27:41 (M)	
z	i	32 37.2			
6. z,e	iP	22 29 59.6	1.2/22		
			N-Atlantik	44 1/2°N; 57°W H=22:21:38 (B) 44.5N; 56.8W h= 33km 22:21:41.3(U) 45.9N; 55.9W 22:21:51 (M)	
6. z	e(PKHKP)1	22 43 21			
bis z,n,e,V	iPKIKP1	43 32.2	1.4/89		
7. z	i(PKHKP)2	43 41.9			
z,V	iPKIKP2	43 54			
z,n,E	i	44 01	136° MLH=7.3		
z	i	44 11.2			
z,N,E,V	eFP1	46 21			
N,V	eFP2	46 40	Santa-Cruz-Inseln	12.5S;166.5E h= 54km H=22:24:16.2(U)	
z,n	ePKS2	47 35		11.8S;166.6E h= 65 22:24:20 (M)	
e	i	50 05.0			
N,E	eL	23 36	t20 an31.5 ae30.5		
N,E,V	eLm	44	t22 an58.5 ae11 av56		
N,E,V	eLm	48	t20 an46 ae23.5 av57		
	F	01 30			
7. z,n,e	e	01 02 53			
7. z	eP	05 05 01	Türkei	38.8N; 40.5E h= 48km H=04:59:57.3(U)	
z,e	e	05 10		38.7N; 40.5E 04:59:56 (M)	
7. z	eP	05 10 18	S-Sumatra	4.8S;101.9E h= 33km H=04:57:05.4(U) 4.7S;102.0E 04:57:06 (M)	
7. z	iPKP	06 57 10.6	1.3/38		
z	e	59 17			
z	e	59 49			
z,N	eSKP	07 00 42	Neue Hebriden	15.4S;167.5E h=115km H=06:37:57.4(U) 16.0S;167.9E 06:37:45 (M)	
7. z,n,e,N,E,V	iP1	08 38 17.1K	2.3/1000 2.5/350 2.3/690		
z,n,e	iP2	38 24.3	2.1/1000 2.0/200 2.0/460		
z	i	38 32.2	60° MSH=6.7 MLH=6.5		
N	i(PoP)	39 10			
z,e	e(PP)	40 49	Zentraler Mittelatlantischer Rücken	0.9N; 26.8W h= 33km H=08:28:09.5(U)	
N,E,V	ePPP	42 05		0.01S; 27.6W 08:27:59 (M)	
N,E,V	eS	46 36	t17 an13.4 ae16.1 av(13.1)		
N,E,V	eLm	09 01	t18.5 an33 ae13 av21.5		
z	ePKPPKP	07 53			
	F	10 30			
7. z	e	09 51 26			
7. z,n,e	iP	13 28 52.8K	2.0/165		
z	ePP	31 13	60° MLH=5.3		
N,E	eS	37 12			
N,E,V	eLm	52	t18 an2 ae0.5 av1.5		
z	ePKPPKP	58 32	Zentraler Mittelatlantischer Rücken	0.9N; 26.5W h= 33km H=13:18:45.9(U) 0.2S; 26.8W 13:18:36 (M)	
7. z	e	14 24 27			
z	e	28 01			
7. z	iPKP ₁	18 35 52.1D	0.8/28		
z	iPKP ₂	35 56.6			

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7. z	eSg 22 35 39
7. z	ePKP ₂ 23 38 01 K 0.8/15 Kermadec-Inseln 29.0S;178.3W h=218km H=23:18:04.2(U)
8. z	eP 02 22 32 Gebiet von Hokkaido, Japan 41.6N;142.1E h= 68km H=02:10:42.9(U) 42.2N;141.8E 02:10:43 (M)
8. z	e 07 02 17 Spuren
8. z,n,e	iP 08 23 15.8K 1.8/52 i 23 20.8 1.6/72 z,e 24 58 e,e 25 50 39° MfH=5.0 z 29 19 S-Iran 28.2N; 55.7E h= 60km H=08:15:53 (E) z,e,E 29 19 28.2N; 55.7E 51 08:15:50.0(U) N,E eLm 44 t16 an1.5 ae1.5 27.8N; 55.8E 08:15:45 (M) V eLm 45 t14 av2
8. z	eP 10 40 35
8. z	eP 10 40 40 1.5/35 eFP 44 09 Mindoro, Philippinen 13.9N;120.2E h= 68km H=10:27:36.7(U) eSKE 50 58 13.7N;120.4E 10:27:31 (M) N,E eLm 11 22 t18 an1.5 ae1.5 V eLm 26 t16 av1.5
8. z,n,e	e 12 05 24 e 05 30
8. z,n,e	e 12 19 08
8. z,n,e	e 12 51 04
8. z	e 13 24 20 Neue Hebriden 20.1S;169.7E h= 13km H=13:04:17.8(U)
8. z	ePg 15 09 45 Spuren Sprengung ? z,n,e eSg 10 14
8. z	iPKP ₁ 17 37 14.3 1.4/40 z epPKP 37 38 Tonga-Inseln 17.6S;173.9W h= 65km H=17:17:40.7(U)
8. z	iP 21 59 50.8K 1.0/28 Kiuschu, Japan 32.7N;130.7E h=155km H=21:47:56.8(U)
9. z	e 01 08 32
9. z	e 02 50 30 Spuren
9. z,e	iP 10 29 36.6K 1.2/39 z,e epP 29 49 Nahe der E-Küste von Hondo, Japan 38.3N;142.0E h= 53km H=10:17:29.7(U) 38.5N;142.0E 10:17:28 (M)
9. z,n,e,V	iPg 10 58 42.1 Sprengung z,n,e,V iSg 58 43.8
9. z	eP 13 21 47 Gebiet von Hokkaido, Japan 44.6N;141.0E h=290km H=13:10:45.3(U)
9. z	epP 13 48 09 Vor der Küste von Peru 12.3S; 78.0W h= 33km H=13:34:15.5(U) V eLm 14 31
9. n,e	e 21 54 57 z e 55 09
9. z,n,e	e 22 28 53
10. z,n,e	e 03 20 06

10. z,n,e	e 04 06 26
10. z	ePKIKP 06 08 56 149.5° h=600km Mc=5.0 z,n,e iPKP ₁ 09 01.8K 1.0/82 z iPKP ₂ 09 08.9D 1.0/47 z i 09 16.8 z epPKP 11 22 S-lich der Fidschi-Inseln 22.2S;179.6W h=575km H=05:50:17.3(U)
10. z	ePKP 16 06 40 Neue Hebriden 13.0S;166.1E h= 33km H=15:47:18.3(U) z e 06 42
10. z	eSg 16 33 43 Bergschlag Oberschlesien, Polen (P)
10. z	e 17 19 45
10. z,n,e	e 20 12 31
11. z,e	e 01 10 58
11. n,e	e 03 37 51
11. z	eP 03 38 06 Kurilen 46.0N;152.0E h= 33km H=03:26:18.8(U)
11. z	i 06 32 24.6
11. z	e(PKP) 07 48 58 119.5° MfH=5.9 z ePP 50 01 z e 50 19 z e 54 06 Bismarck-See 3.4S;148.6E h= 33km H=07:29:49.4(U) N,E ePS 59 40 3.3S;149.2E 07:29:45 (M) N,E eSS 08 06.0 N eSSS 10.5 N,E,V eLm 41 t20 an2.5 ae1.5 av2.5
11. z	iPKP 11 12 07.8D 0.9/18
11. z	eP 14 54 10 Michoacan, Mexiko 18.3N;102.0W h= 63km H=14:41:13.6(U) z i 54 20.4
11. V	eP _{diff} 14 52 57 z,n,e iPKIKP 55 05 K 1.6/130 V t10 av26.8 z,n,e,N,E i 55 09.1 2.3/(2400) z iPKP ₁ 55 13.9 n,e,N i 55 33.1 z e 57 46 153° MPPH=7.4 MPPV=7.2 MfH=7.7 z i 57 54 N e(PKS) 58 46 z,e,V iPP 58 54 t16 an26.4 ae10.9 av35.3 z,V e 59 32 N,E e(SKS) 15 02 02 e 03 10 S-lich der Tonga-Inseln 24.9S;175.1W h= 9km H=14:35:15.0(U) n e 05 14 26.1S;175.4W 14:35:16 (M) z,N eSKKS 05 46 N,E ePKKS 07 24 z e 08 18 N e 09 00 z,n,e,E eSKSP 09 24 N,E eFPS 11 40 E ePPPS 14.0 N,E eSS 18.5 z e 20.6 N,E eLm 52 t30 an185 ae141 N,E eL 16 07 t19 an103.5 ae76.5 V eL 09 t20 av112 N,E eL 12 t20 an38 ae84 V eL 13 t18 av86.5
11. z	ePKIKP 15 14 46 1.8/120 z i(PKP ₁) 14 57.2 S-lich der Tonga-Inseln 24.0S;175.4W h= 33km H=14:55:00.3(U) 24.0S;175.6W 14:55:01 (M)
11. z	eP 16 26 03

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11. z	eP	16 37 43			
z	epP	37 55			
11. z	eP	16 51 09			
11. z	ePKP	18 19 49	119.5° MLH=6.4		
z	e	20 52			
z,e,V	ePP	21 08			
z,e,N,E,V	e	21 29			
z,n,e,N	e	24 04	Bismarok-See	3.3S;148.5E h= 33km H=18:00:59.6(U)	
N,E	eSKKS	28 08		3.2S;148.6E	18:00:55 (M)
N	e	29 33			
z	e	30 18			
N,E	ePS	30 55			
V	e	32 14			
z	ePKKS	33 40			
N,E	eSS	37.9			
N,E,V	eLm	19 13	t21 an9 ae6.5 av10		
F	F	21 30			
11. z	eP	20 37 57			
z	e	39 35			
11. z	iP	21 50 33.9	1.4/17		
11. z	e	22 44 41			
z	e	45 06			
12. z	e	01 17 23			
12. z	eP	06 42 02			
z	e	42 48			
12. z,n,e	e	06 52 36			
z	e	53 26			
12. z,n,e	iP	08 26 50.9D	1.3/88		
z	eSS	30 09	16° MLH=4.7		
z	e	30 19			
N,E,V	eLm	33	t9 an1.5 ae1.5 av2	37.9N; 23.1E H=08:23:11 (B)	
			S-Griechenland	37.9N; 23.1E h= 24km 08:23:10.7(U)	
				37.7N; 22.5E 08:23:06 (M)	
12. z,n	eP	11 39 09	Norwegisches Meer	72° N; 7° E H=11:34:30 (S)	
			oder: Griechenland	38.1N; 23.1E 11:35:48 (G)	
12. z	iPKP ₁	16 21 58.7D	1.2/13		
z	ePKP ₂	22 15	Gebiet der Kermadec-Inseln	27.9S;178.6W h=326km H=16:02:34.4(U)	
12. n	ePg	19 04 39	Tirol, Österreich	47.4N; 10.8E H=19:03:21 (B)	
n	e	05 12			
z,n,e	iSg	05 33.9			
12. z	e(P)	21 52 34	1.5/33		
z	e	53 36	E-Anatolien, Türkei	38.4N; 40.6E H=21:47:25 (B)	
				38.6N; 40.8E h= 33km 21:47:25.5(U)	
				38.8N; 41.0E 21:47:26 (M)	
12. z,n	e	23 01 35			
13. z	i(P)	05 18 46.3K	1.0/20		
13. z	e	05 28 06	Spuren		
13. z	e	06 08 28			
13. z	e	10 18 42			
13. z,e	e	10 26 48			
13. z	eP	12 03 35	Kurilen	43.2N;147.8E h= 26km H=11:51:37.2(U)	
z	epP	03 49		42.9N;148.5E 11:51:34 (M)	
N,E	eLm	42			

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13. z	eP	12 07 45			
z	e	07 55			
13. z	iP	14 31 38.2	0.9/19		
13. z,n,e	iPKP ₁	21 11 15.0D	1.7/70		
z	iPKP ₂	11 25.4	S-lich der Tonga-Inseln	24.8S;175.4W h= 35km H=20:51:20.2(U)	
				26.4S;176.9E 20:51:30 (M)	
13. z,n,e	iPKP ₁	22 32 32.6D	2.1/92		
z	iPKP ₂	32 42.8	S-lich der Tonga-Inseln	24.9S;175.3W h= 33km H=22:12:37.5(U)	
				25.0S;175.2W 22:12:38 (M)	
13. z	eP	23 38 49			
z	e	39 07			
14. z	e	00 52 42	Spuren		
14. z	e	03 20 51	Kermadec-Inseln	30.1S;177.2W h=107km H=03:00:43.5(U)	
z	e	21 11		29.7S;175.8E 03:00:48 (M)	
14. z	eP	03 24 10			
14. z	eP	06 46 46			
z	i	46 56.2			
14. z	e	09 17 25			
14. z	ePKP ₁	09 29 59	1.2/17		
z	ePKP ₂	30 09	S-lich der Tonga-Inseln	25.0S;175.3W h= 33km H=09:10:04.9(U)	
14. z	iPKP	17 43 29.1K	1.1/20		
14. z,n,e	e	18 13 40			
z,e	e	13 52			
14. z	e(PKIKP)	19 31 45	D 1.7/48		
z,n,e	ePKP ₁	31 52	S-lich der Fidsohi-Inseln	24.7S;176.2W h=112km H=19:12:05.9(U)	
z	e	32 06		24.1S;175.8W 19:11:58 (M)	
z	e	35 35			
z	e(SKSP)	46 15			
N,E,V	eLm	20 54			
15. z	ePKP ₂	00 40 46	W-lich der Macquarie-Insel	57.4S;147.6E h= 33km H=00:20:39.9(U)	
15. z,e	iPb	11 14 34.3	125km	Spuren Sprengung	
z	iPg	14 35.9			
z,n,e	iSg	14 49			
15. z	e	12 05 52			
z,e	e	06 09			
15. z	iP	15 04 46.1	1.0/25		
N,E,V	eLm	45	t18 an1 ae1 av1	29.2N;130.0E h= 12km H=14:52:21.0(U)	
			Riu-kiu-Inseln	29.8N;129.8E 14:52:28 (M)	
15. z	e	16 39 08	Spuren		
15. z	ePKP ₁	17 44 25	S-lich der Tonga-Inseln	24.7S;175.2W h= 33km H=17:24:32.0(U)	
16. z,e	i	01 36 52.5			
16. z	e	02 28 12			
z,n,e	e	28 22			
16. z	iP	03 26 25.7	1.1/16		
			Gebiet der Kurilen	43.2N;148.0E h= 40km H=03:14:29.7(U)	
				43.7N;147.9E 03:14:31 (M)	

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16. z	ePKIKP	03 57 29	152.5°	Mc=5.3		
z,n,e	IPKP ₁	57 37.4D	1.5/51			
z	IPKP ₂	57 47.6D	1.6/82			
z	ePP	04 01 24			24.8S;175.6W h= 33km H=03:37:42.5(U)	
N,E	ePFS	15		S-lich der Tonga-Inseln	25.0S;176.5W	03:37:43 (M)
16. z	e	04 15 10				
16. z	e(PKP)	07 49 03		S-lich der Tonga-Inseln	24.6S;175.8W h= 30km H=07:29:10.7(U)	
z	e	51 57				
16. z	e	16 57 26				
16. z	e(P)	17 49 19		Spuren, Peloponnes, Griechenland	38.0N; 22.0E h= 68km H=17:45:47 (B)	
					38.3N; 22.0E	17:45:49.6(U)
16. z	e	21 24 33				
17. z	epP	01 17 17		Grenzgebiet Afghanistan - UdSSR	37.4N; 71.4E h= 85km H=01:09:05.4(U)	
					37.5N; 71.3E	01:09:06 (M)
17. z	e	01 50 26				
17. z	ePKIKP	02 18 13	150°	h=540km Mc=5.1		
z,n,e	IPKP ₁	18 20.5D	1.0/130			
z	IPKP ₂	18 28.7K	1.0/30			
z	epPKP	20 28		S-lich der Fidschi-Inseln	23.3S;179.1E h=540km H=01:59:30.2(U)	
					22.8S;175.7E	01:58:40 (M)
17. z	eP	03 46 18	111.5°			
z	i	49 29.0				
z	IPKP	50 16.2D	1.4/52			
z	epPKP	50 43				
z,n,e,E,V	ePP	51 02				
z,E,V	esPP	51 40				
V	e	54 17		Banda-See		
e	eSKS	56 47			7.5S;128.7E h=109km H=03:31:52.2(U)	
e	eSKS	57 11			7.1S;128.8E	120 03:31:55 (M)
e	esSKS	58 02				
z,N,E	e	04 01 03				
z	ePKKP	01 18				
N,E	e	02 07				
z	e	03 39				
z	e	04 07				
N,E	ePSS	07.0				
N,E,V	eLm	41		t16 an1 ae1 av1		
17. z	e(P)	08 57 55		Mittelmeer, vor der Küste Algeriens	37.0N; 3 1/2 E H=08:54:23 (B)	
17. e	e	12 54 13				
z	e	54 37				
n,e	e	54 41				
z	e	54 45				
z,e	eSg	54 48				
17. z	e	15 16 08				
z,n,e	eSg	16 26				
17. z	IPKP ₁	15 50 07.9D	0.9/18			
z	epPKP	52 16		S-lich der Fidschi-Inseln	24.6S;179.4E h=510km H=15:31:12.7(U)	
17. z	IPKP ₁	16 31 43.9D	1.1/75			
z	epPKP	32 42		Tonga-Inseln	19.1S;175.7W h=267km H=16:12:30.4(U)	
17. z	eP	18 10 04	1.4/43			
z	e	10 14				
z,n,e	ipP	10 21.6K	1.2/38			
N,E,V	eLm	47		t17 an1 ae1 av1		
				Gebiet von Hokkaido, Japan	42.4N;144.9E h= 45km H=17:58:11.6(U)	
					42.6N;145.0E	50 17:58:12 (M)

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17. z,n,e	iP	19 50 26.4D				
z,e	i	50 30.4	1.6/59			
z,n,e	i	50 35.9				
z	e	56 24	71°	MLH=5.5		
e,N,E	eS	59 40				
N	e(SS)	20 05.0				
N	e(SSS)	08.5		Golf von Alaska	57.4N;149.0W h= 33km H=19:39:12.5(U)	
z	ePKPPKP	18 15			56.9N;148.6W	19:39:04 (M)
z	e	18 43				
N,E,V	eLm	26		t16 an1.5 ae1 av1.5		
17. z,e	e	22 56 17				
z,e	e	57 12				
17. z	e	23 52 37				
18. z	IPKP	01 11 41.3D	0.8/27			
18. z,n,e,N,E,V	iP	09 05 40.2K,S,W	t1.2 an2.0 ae1.6 av3.0			
E,V	e	05 55				
N,E,V	i	06 05.6	27° MPH ₁ =7.0 MPV ₁ =6.9 MLH=6.3			
N	ePP	06 22				
N	e	06 31		Unterirdische Kernexplosion, 71° N; 53° E H=09:00:00 (B)		
E,V	i	07 05.6		Nowaja Semlja	70.8N; 53.7E h= 0km	08:59:56.3(U)
z,V	iPoP	09 02.9				
z,n,e,N,E,V	eSn	10 38		t1.6 an2.0 ae2.0 av1.7		
N,E	eSS	11 23				
z,n	e	13 19				
z,n,V	e	14 06				
N,E	e(Lm)	14.4		t3.5 an7 ae11		
N,E,V	eLm	16.8				
N,E	eL	17.5		t7 an5.5 ae8		
z	ePKPPKP	39 17				
18. z	e	13 18 11		Spuren		
18. z	e	15 01 23				
18. z,n,e	e	20 30 19				
19. z	e	00 08 10		Spuren		
19. z,n,e	IPKP ₁	08 01 57.1K	1.1/53	Gebiet der Fidschi-Inseln	17.9S;178.4W h=590km H=07:43:23.6(U)	
19. z	e	08 45 23				
19. z	e	09 08 54		Spuren		
19. z	e	09 42 27				
z	e	42 44				
19. z	e	14 36 47				
19. z	IPKP ₁	14 48 08.7D	1.4/27	S-lich der Tonga-Inseln	24.0S;175.9W h= 43km H=14:28:17.3(U)	
19. z	iP	15 02 44.6	1.5/37			
z	e	04 21		Gebiet der Marianen	21.5N;143.0E h=320km H=14:49:56.1(U)	
z	e	06 03			21.4N;143.2E	300 14:49:53 (M)
19. z	iP	15 06 40.3D	1.4/28			
19. z	e(Pg)	15 52 26		Bergschlag Oberschlesien, Polen		(P)
z,n,e	e(Sg)	53 02				
19. z,e	e	17 37 04				
N,E	eLm	44				
19. z	eP	18 38 23				

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19. z	z	IP epP	20 44 48.1K 45 04	1.3/28 Vor der E-Küste von Hondo, Japan	33.3N; 142.0E h= 34km H=20:32:16.7(U) 33.7N; 141.9E 20:32:19 (M)
19. z	N,E	e eIm	23 14 11 52	S-lich von Panama	7.3N; 82.6W h= 33km H=23:01:17.5(U)
19. z,e		e	23 40 33		
20. z		eP	02 59 10	W-Kaukasus	43.2N; 43.6E h= 33km H=02:54:13.9(U) 43.3N; 44.2E 02:54:09 (M)
20. z,e	z,e	eP e e	03 25 31 25 40 25 49	E-Kaukasus	41 3/4N; 48 1/2E H=03:20:01 (B) 41.7N; 48.2E h= 33km 03:20:00.2(U) 41.7N; 48.5E 03:20:02 (M)
20. z		eP	09 36 47	Türkei	38.0N; 43.3E h= 33km H=09:31:21.8(U)
20. z		e	21 31 15		
20. z,n,e	V E N,E,V	ePKP e eSS eIm	22 45 02 45 06 23 07.1 50	2.5/370 Gebiet der Fidschi-Inseln t20 an5.5 ae3 av4.5	16.3S; 177.4W h= 33km H=22:25:29.0(U) 15.1S; 176.4W 22:25:33 (M)
20. z		e	23 05 00	Spuren	
21. z		i	01 41 34.9		
21. z,n,e		e	03 20 13		
21. z		eP	09 02 45	Grenzgebiet Burma - China	21.4N; 101.4E h= 33km H=08:51:19.0(U)
21. z,n,e		eSg	10 34 51	Slowenien, Jugoslawien	(W)
21. z,n,e,N,E,V	z,N,E,V N,E z,V N z,n,e,E,V N,E N,E N,E,V z	IP e(Pn) ePP IPoP eS eSn eL eIm e(Lm) ePKPPKP	12 05 54.8K 06 16 06 40 09 08.6 10 41 11 15 15 27 17.2 20.3 39 24	8K,S,W 1.2/810 28° MPV _k =6.4 MIH=5.8 Unterirdische Kernexplosion, Nowaja Semlja	73.4N; 54.0E H=12:00:00 (B) 73.4N; 55.1E h= 0km 11:59:57.3(U)
21. z		IPKP ₁	12 43 06.9K	Gebiet der Tonga-Inseln	23.7S; 175.3W h= 26km H=12:23:16.3(U)
21. z,n,e	z,e	IPKP ₁ e e	15 50 37.2K 51 37 52 12	1.2/24 Gebiet der Fidschi-Inseln	18.2S; 176.7W h=141km H=15:31:11.1(U)
21. z,n,e	z,n	ePKP ₁ e	16 16 42 16 47	1.7/50 Gebiet der Fidschi-Inseln	18.2S; 176.5W h= 61km H=15:57:08.0(U)
21. z		IP	16 58 57.7		
21. z		e	17 04 01		
21. z	z	eP1 eP2 i z,e N,E N N,E N,E N,E V	17 25 32 25 37 25 44.9 29 18 29 18 36 42 38.6 18 04 06 12 19	92.5° MIH=6.5 2.3/88 Panay, Philippinen t17.5 an11.5 ae8 t17	11.7N; 121.8E h= 33km H=17:12:23.7(U) 11.9N; 121.6E 17:12:25 (M)
21. z,n,e		e	17 58 15		

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21. z,n,e		eP	18 47 25		
21. z	z,n,e	IPKP e z,V e z,n,e,N,E z z z N,E,V	20 48 31.4K 48 46 51 09 51 25 52 01 52 26 54 18 21 08 07 46	1.9/70 Santa-Cruz-Inseln	12.5S; 166.5E h= 67km H=20:29:17.3(U) 12.1S; 166.4E 20:29:15 (M)
21. z,n,e		e	21 43 33		
21. z	z	e(P) e ePP eIm	22 36 19 36 31 39 49 23 14	Panay, Philippinen	11.6N; 121.6E h= 33km H=22:23:06.3(U) 12.8N; 121.2E 22:23:11 (M)
21. z,n	z	ePn i e e n n,e z z z,n z,n,e,N z,n,e E	23 03 31 03 35.1 03 41 04 24 04 39 04 47 05 23.6 05 34.1 06 10 06 23 06 50	970km Jugoslawien	43.2N; 17.4E H=23:01:22 (B) 43.1N; 17.4E h= 33km 23:01:22.8(U)
21. z,n,e,V	bis z	eP i e e z z z z z N,E E E N,E V N,E	23 19 31 20 00.0 20 30 22 42 23 08 23 16 25 03 29 15 30 18 37.0 41.5 58 00 06 08 01	1.3/37 92.5° MIH=6.6 Panay, Philippinen	11.7N; 121.6E h= 33km H=23:06:22.8(U) 11.9N; 121.6E 23:06:20 (M)
22. z,n		e	00 08 42		
22. z,e	z,n,e	e e	01 03 04 03 42	Jugoslawien	(W)
22. z,n,e		e	01 16 45		
22. z,n,e		IP	05 21 28.1	0.6/28 NW-lich der Kurilen	49.5N; 149.6E h=429km H=05:10:42.9(U) 49.3N; 149.9E 450 05:10:43 (M)
22. z		IP	09 57 17.1K	1.4/23 Nahe der W-Küste von Kolumbien	6.9N; 77.8W h= 23km E=09:44:40.6(U)
22. z	z	e e	11 13 27 13 52		
22. z,n,e	z,n,e	ePg eSg	12 09 42 10 03		
22. n	z,e	i e	13 06 48.6 06 53		
22. z		IP	14 42 09.1D	Gebiet von Hokkaido, Japan	44.8N; 143.2E h=292km H=14:30:57.1(U)

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22. z	eP	16 12 56	1.0/15		
z	e	13 09			
z,e	e	13 18	92.5°	MIH=6.2	
z	e	16 25			
z,e	e	16 45			
E	ePP	23.5			
N	eSKS	24 02	Panay, Philippinen	11.6N;121.7E h= 33km H=15:59:48.6(U)	
N	eS	26.5		11.8N;121.7E	15:59:45 (M)
N	e	40.5			
N,E	eIm	52	t18 an6 ae4		
V	eIm	57	t18	av5.5	
	F	17 30			
22. z,n,e	e	17 57 05			
22. z	eP	21 15 33	1.4/20	45.1N;100.1E h= 33km H=21:06:00.9(U)	
			Mongolei	45.2N; 99.8E	21:06:02 (M)
22. z	iPKP ₁	23 26 40.5	0.8/21		
z	epPKP	28 42	Gebiet der Fidshi-Inseln	20.4S;177.8W h=486km H=23:07:50.0(U)	
23. z	e	00 05 05	Spuren		
23. z	eP	01 32 47	1.4/25		
			Mexiko	17.2N; 93.3W h= 33km H=01:20:03.5(U)	
23. z	e	02 10 58	Spuren		
23. z,n,e	eSg	04 37 50			
23. z	ePKP	05 10 12	1.6/27	14.9S;172.7W h= 38km H=04:50:43.1(U)	
z	e	12 40	Samoa-Inseln	14.8S;172.6W	04:50:43 (M)
23. z	e	05 29 41	Spuren		
23. z,n,e	e	10 59 08			
23. z	e	12 43 59			
23. z	e	16 06 38			
23. z	e(P)	20 25 56	S-Sumatra	3.3S;100.8E h= 37km H=20:12:49.3(U)	
				3.3S;100.7E	20:12:49 (M)
23. z	e	22 28 37			
23. z	e	22 32 49			
23. z	ePKP	23 37 04	Spuren, Salomonen	6.7S;154.7E h= 52km H=23:18:07.8(U)	
23. z,n,e	e	23 41 40			
24. z	e	01 18 21			
24. z,e	eP	05 22 55	1.7/27		
			Zentraler Mittelatlantischer Rücken	7.2N; 36.2W h= 33km H=05:12:51.2(U)	
24. z,n,e	e	05 31 59			
24. z,n,e	e	05 42 24			
24. z	eP	07 07 30	S-liche Provinz Sinkiang, China	39.8N; 75.2E h= 33km H=06:59:25.3(U)	
				39.9N; 75.0E	06:59:29 (M)
24. z	eSg	08 55 43	Sprengung, Erzberg, Steiermark		(W)

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24. z,n,e	e	12 25 24			
n	e	25 35			
24. z	eP	13 43 18	Grenzgebiet	37.3N; 71.5E h=112km H=13:35:27.5(U)	
z	ipP	43 44.6	Afghanistan - UdSSR	37.4N; 71.5E	115 13:35:28 (M)
z	eaP	43 57			
24. z	e	15 57 34			
24. z	e	16 03 14			
24. z	eP	17 23 44	Unterirdische Kernexplosion, Nevada - Testort	37°13'17.89"N;116°10'46.88"W	h= 0km H=17:11:26.1(U)
24. z,n,e	ePg	17 34 29	470km		
z,n,e	e	35 09			
z,e	e	35 23	N-Tirol, Grenzgebiet	47.4N; 10.4E	H=17:33:08 (B)
z,n,e,N,E,V	iSg	35 26.2	Österreich - BRD	47.4N; 10.5E h= 19km	17:33:07.1(U)
24. z,n	e	17 55 21	Grenzgebiet Nepal - Indien	26.8N; 86.3E h= 33km	H=17:44:15.3(U)
24. z	iPKP	20 25 41.9	Gebiet der Fidshi-Inseln	13.3S;179.0E h= 33km	H=20:06:13.5(U)
z	e	25 51			
z,n	e	26 02			
24. z	eP	23 19 19	Vor der E-Küste von Hondo, Japan	33.3N;141.2E h= 33km	H=23:06:49.7(U)
25. z	e(P)	00 39 31	Grenzgebiet	36.1N; 71.0E h= 82km	H=00:31:41.5(U)
z	e	40 31	Afghanistan - UdSSR	36.3N; 71.0E	90 00:31:44 (M)
z	e	40 49			
z	i(P)	41 29.3			
25. z	e	04 40 35			
25. z	iP	05 43 13.5D	Dodekanes, Griechenland	37.6N; 25.0E h= 33km	H=05:39:26.3(U)
25. z	eP	07 28 59	Feloponnes, Griechenland	37.7N; 22.1E	H=07:25:22 (B)
z,n	e	29 07		37.6N; 22.9E h= 99km	07:25:26.6(U)
25. z,n,e	e	07 35 37			
25. z,n,e	e	10 57 19			
25. z	iP	11 07 39.4	Gebiet von Hokkaido, Japan	41.5N;142.0E h= 70km	H=10:55:50.2(U)
				42.3N;141.6E	10:55:51 (M)
25. z	eP	11 18 58	Tadshikische SSR	38.1N; 69.4E h= 6km	H=11:11:09.2(U)
				38.4N; 69.4E	11:11:14 (M)
25. z,n,e	iP	14 32 42.1D	1.2/38		
z	i	32 45.6			
z,n	epP	34 02	S-lich von Hondo, Japan	32.9N;137.8E h=341km	H=14:20:52.8(U)
z	e	35 44		33.4N;137.8E	380 14:20:58 (M)
z	ePP	36 00			
25. z,n,e	eSg	19 26 09	Nachbeben, Tirol		H=19:23:52 (W)
26. z,h,e	eP	07 09 25	D 2.2/94	40.1N; 35.0E	H=07:05:03 (B)
z	e	09 57		40.0N; 35.0E h= 33km	07:05:03.1(U)
N,E,V	eIm	18	Türkei	40.0N; 34.9E	07:05:03 (M)
26. z,n,e	iP	10 55 11.2	1.9/85		
z,n,e,V	ipP	55 24.2			
z,e	i	55 33.9			
e	e	58 58	99.5°	MIH=6.3	
e	e	59 21			
e	ePP	59 21			
N,E	eSKS	11 05 51	Mindanao, Philippinen	6.6N;126.8E h= 50km	H=10:41:31.9(U)
z	eSKES	06 36		7.4N;126.3E	60 10:41:38 (M)
N,E	ePPS	08 49			
z	eSS	14.2			
N,E	eL	42	t22 an5.5 ae9	av7.5	
N,E,V	eIm	44	t20 an8	ae5.5 av8.5	

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26. z	eP	14 35 00	Kurilen	46.6N;153.3E h= 33km H=14:23:11.0(U) 47.0N;153.0E 14:23:13 (M)	
27. z	e(P)	02 26 35	S-Griechenland	37.5N; 23.5E h= 70km H=02:22:52.9(U)	
27. z	eP	07 35 34			
27. z	e	10 53 58	Spuren		
27. z,e	eP	14 35 44	S-liche Provinz Sinkiang, China	37.2N; 78.1E h= 33km H=14:27:13.6(U) 37.2N; 78.2E 15 14:27:10 (M)	
27. z	eP	16 28 13	Mongolei	48.2N;102.7E h= 55km H=16:18:49.0(U) 47.8N;103.2E 16:18:42 (M)	
27. z	eSn	16 48 55	N-Italien	44.2N;11.7E H=16:45:49 (B)	
z,n,e	eSg	49 43			
27. z,n,e	eP	18 40 22	98° MLH=6.1		
z	e	40 34			
z	ePP	44 12	Mindanao, Philippinen	8.1N;126.7E h= 33km H=18:26:44.6(U) 8.9N;126.4E 18:26:50 (M)	
N,E	eS	51 46			
N,E	eL	19 20	t22 an6 ae4		
N,E,V	eLm	30	t16 an3 ae4.5 av6		
N,E	eL	43	t17 an4 ae4		
F	F	20 30			
27. z,e	eP	23 30 20	1.6/27	21.5N;101.7E h= 33km H=23:18:53.6(U)	
bis N,E	eLm	00 00	Grenzgebiet Burma - China	21.3N;101.8E 23:18:52 (M)	
28. z	e	02 47 48	W-lich von Kreta	35.2N; 23.0E H=02:43:20 (B) 35.4N; 23.3E h= 70km 02:43:23.9(U)	
28. z	e	03 21 45	Spuren		
28. z	iP	05 52 44.1K	1.3/19	(8.7N; 94.1E h= 33km H=05:40:42.3(U)	
z	e	53 19	Gebiet der Nikobaren	10.6N; 94.3E 05:40:56 (M)	
28. z	eP	07 08 22			
z,e	ipP	08 33.1K	1.8/74		
z,e	e	11 37			
z,e,V	ePP	12 40			
E	eSKS	19 04	103.5° MLH=6.3		
N,E,V	eFS	21.8			
z,e	eFKKP	24 35			
z	e	24 46	Naher der Küste von N-Chile	22.9S; 70.5W h= 38km H=06:54:22.4(U)	
z	e	25 49		23.0S; 70.4W 06:54:17 (M)	
N,E	eSS	27 34			
z	eFKPPKP	32 37			
N,E,V	eLm	50	t21 an2.5 ae8 av9		
F	F	09 30			
28. z	e	11 21 13			
28. z,n,e,V	iP	14 42 18.OK,S,E	1.4/230		
z	ePP	45 19			
z	ePKPPKP	15 08 56	81° MPV _k =6.0		
N,E,V	eLm	21	Unterirdische Kernexplosion, Nevada - Testort	37°17'24.18"N;116°24'41.57"W h= 0km H=14:30:00.2(U)	
28. z	eP	20 17 28	S-lich von Hondo, Japan	31.5N;140.0E h= 27km H=20:04:53.3(U)	
28. z	e(P)	23 45 52	Türkei	38.7N; 31.0E H=23:41:40 (B) 38.7N; 31.0E h= 23km 23:41:40.2(U) 38.9N; 31.0E 23:41:43 (M)	
29. z	e	02 29 27	Spuren		
29. z,n,e	iP	04 54 40.OK,S,W	0.8/140		
z,n,e	ePn	56 10			
n,e	e	05 03 35	40.5° MPV _k =5.7		
n	eSS	03 45	Unterirdische Kernexplosion, Gebiet von Semipalatinsk, Kasachische SSR	50.0N; 79.0E H=04:47:00 (B) 50.0N; 79.0E h= 0km 04:46:57.5(U)	
z,n,e	eL	09 00			

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29. z	e(P)	05 15 45	E-licher Zentralpazifik	4.1N;103.5W h=100km H=05:01:49.0(U)	
29. z	iP	05 18 22.0D			
29. z,n	e(PKP ₁)	06 10 55 D	1.8/52		
z	i	11 02.9			
z,e	e	11 20			
z	ePKS	14 19	Gebiet der Tonga-Inseln	23.1S;175.6W h= 48km H=05:51:08.2(U)	
29. z	ipP	06 32 36.6D	1.6/23		
z	e	35 34	Vor der Küste von Peru	11.0S; 78.1W h= 58km H=06:18:42.3(U)	
29. z	iPKP	06 50 21.1D	2.0/90		
z	e	50 40	Tonga-Inseln	17.1S;173.5W h=214km H=06:31:04.1(U)	
29. e	e	08 55 34	Sprengung Erzberg, Steiermark		(W)
z,n	eSg	55 40			
29. z,n,e	e	11 46 40			
29. z	e	23 25 54			
30. z	e	00 19 44			
30. z,n,e,N,E,V	iP	01 53 20.7K,S,W			
z	i	53 22.OK	0.9/290		
z	ipP	53 38.9			
V	e	53 43			
V	ePP	56 18	77° h= 70km MLH=6.3		
n,e,N,E	eS	02 03 04			
N,E	e	03 31	Gebiet von Hokkaido, Japan	42.0N;142.7E h= 59km H=01:41:31.5(U)	
z	ePKKP	12 17		42.8N;142.4E 60 01:41:35 (M)	
z	e	18 51			
N,E,V	eLm	30	t19 an12.5 ae6 av12		
30. z	e	03 20 47	Spuren		
30. z,n,e	iPg	04 29 19.8	150km Bergschlag Kladno, CSSR		(C)
i	i	29 37.4			
z,e	iSg	29 38.7			
30. z,n,e	i(P)	10 19 57.2			
30. z	ePKP	10 24 26 D	Gebiet der Loyalty-Inseln	22.5S;173.8E h= 22km H=10:04:43.9(U)	
z,n,e	ipPKP	24 34.8		22.6S;171.2E 10:04:50 (M)	
30. z	e(PKP)	10 50 59	Gebiet der Loyalty-Inseln	22.4S;173.7E h=101km H=10:31:19.1(U)	
30. z,n,e	iP	11 11 04.2D	1.9/72		
30. z	iP	12 22 04.3K			
30. z,n,e	iP	12 27 12.9D	1.1/31		
z	ePP	30 58	94° MLH=5.8		
N	eS	38 33			
N,E	eL	13 08	t15 an1.5 ae1		
N,E,V	eLm	14	t16 an2 ae2 av1.5	12.5N;126.1E h= 53km H=12:13:58.2(U)	
			Gebiet der Philippinen	12.8N;126.1E 45 12:13:58 (M)	
30. z	e	12 43 34	Spuren, Andreanow-Inseln, Aleuten	51.1N;179.4W h= 52km H=12:31:44.2(U)	
				50.6N;178.7W 12:31:38 (M)	
30. z	iP	12 48 01.3D	0.8/14		
			Andreanow-Inseln, Aleuten	51.4N;179.3W h= 50km H=12:36:11.5(U)	
				50.9N;179.3W 12:36:07 (M)	
30. z,n,e	ePg	20 12 52	450km Bergschlag Ober-		(P)
n	e	13 42	schlesien, Polen		
z,n,e	eSg	13 48			

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30. z	eP	22 49 03	1.2/16 Vor der E-Küste von Kamtschatka	51.5N;159.4E h= 44km H=22:37:32.6(U) 51.4N;159.4E 22:37:27 (M)
31. z	eP	03 05 32	Gebiet der Philippinen	19.9N;122.0E h= 11km H=02:52:51.5(U) 20.4N;122.0E 02:52:57 (M)
31. z,n,e,V	iP1	08 41 16.5D	1.9/290	
z,n,e,N,E,V	i	41 22.1	2.6/2350	
z,n,e	i	41 29.7	2.0/1500	
N,E,V	iPm	41 34.9	t16 an6.0 ae8.5 av23.7	
z,n	i	44 35.2	2.0/2050	
z,e	e	44 46	94° MPmV ₁ =7.1 MPH ₁ =7.2 MPV ₁ =7.3	
z	ePP	45 15	t16 an13.1 ae12.2 av18.0	
z,e,N,E,V	i	45 22.1		
z,n,e	ePPP	47.3	MPFH ₁ =7.5 MPPV ₁ =7.3 MSH=7.5 MLH=7.9	
N,E,V	eSKS	52.1		
e,WE,E,V	eS	52.8	t19 an54 ae24	
n,WN,N,E	e(PS)	53.8		
WE,N,E	ePKKP	58 08	Gebiet der Philippinen	12.5N;126.0E h= 50km H=08:28:02.6(U) 12.8N;126.1E 50 08:28:03 (M)
z	ePKPKFm	09 06 41		
z	ePKPKSm	10 05		
N	eLm	26	t16 an245	
E,V	eLm	29	t16 ae240 av(250)	
	F	13 30		
31. z,n,e	iPg	10 00 36.3	125km Sprengung 7.Ot	50.79°N; 14.53°E (O)
z,n,e	iSg	00 52.2		
z	i	00 55.7		
z,n,e	eLm	01 03		
31. z	e(pP)	10 38 53	Gebiet der Philippinen	12.7N;126.0E h= 5km H=10:25:22.6(U) 13.5N;125.6E 10:25:32 (M)
31. z	eP	11 23 34	Gebiet der Philippinen	12.5N;126.1E h= 76km H=11:10:21.7(U) 12.5N;126.2E 11:10:16 (M)
31. z,e	e	12 56 57		
31. z	e	13 04 45		
31. z	epP	14 36 38	Spuren, Gebiet der Philippinen	12.1N;126.4E h= 84km H=14:23:08.8(U) 12.5N;126.3E 14:23:05 (M)
31. z	ePKIKP	16 21 38	150.5°	
z,n,e	iPKP ₁	21 43.6K	0.9/52	
z	epPKP	23 50	S-lich der Fidsohi-Inseln	23.5S;180° h=515km H=16:02:50.7(U)
31. z,n,e	e	18 44 24		
31. z	iP	20 24 25.4	Samar, Philippinen	12.5N;125.9E h= 40km H=20:11:08.7(U) 12.7N;126.0E 20:11:09 (M)
31. z	eP	22 22 03	Spuren, Gebiet der Philippinen	12.7N;126.0E h=135km H=22:08:59.2(U) 12.9N;126.0E 22:08:49 (M)
31. z	eP	23 33 37	1.7/24	
bis z	ipP	33 46.2		
1.11. z	ePP	37 29	Samar, Philippinen	
z	ePoPKPKP	54 49		
z	e	55 09		
N,E,V	eLm	00 20		11.9N;125.6E h= 50km H=23:20:21.0(U) 12.3N;125.9E 23:20:20 (M)

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1. z	iP	00 11 58.4D		
1. z,n,e,N,V	iP	01 00 05.9K	1.4/205	
z,n,e	ipP	00 19.1		
n,e,N,E	eS	09 49	75.5°	
N	e(PS)	10 36		
N,E	eL	38	Gebiet der Insel Unimak	53.7N;163.4W h= 25km H=00:48:23.4(U) 53.6N;163.2W 00:48:24 (M)
1. z	e(P)	01 02 20		
1. z	e	01 17 21		
1. z	eP	01 31 20	102.5° MIH=6.8	
z	epP	31 47		
z	i	34 34.6	Marianen	13.8N;144.8E h=113km H=01:17:33.9(U) 14.0N;145.1E 100 01:17:32 (M)
n,e	ePP	35 34		
z,n,e,V	isFP	36 11.2		
z,n,e,N,E	eSKS	41 48	t9 an3.4 ae4.2	
n	e	45 12		
z	ePKKP	47 20		
z	i	47 56.4		
z	e	49 34		
z	e	57 29		
N,E	e	59.9		
N,E	eLm	02 14	t19 an15 ae15	
V	eLm	19	t18 av11.5	
	F	03 30		
1. z	i(P)	01 33 18.3K		
1. z	eP	01 53 26	Samar, Philippinen	12.5N;125.9E h= 14km H=01:40:08.2(U)
1. z,n,e	e	03 31 14		
1. z	eP	06 19 18	Samar, Philippinen	12.0N;125.7E h= 41km H=06:06:01.2(U) 12.2N;125.7E 06:06:02 (M)
1. z	iPKIKP	06 33 47.1D		
z,n,e,V	iPKP ₁	33 47.9D	0.8/510	
z	iPKP ₂	33 50.6	0.8/180	
z,n	i	33 54.3		
n	i	33 56.8		
z,N,V	ipPKP	35 30.2	145° h=420km	
z	i	35 34.0		
z,V	eSKP	36 43		
n,e,N,E	eSKKS	43 21	Gebiet der Fidsohi-Inseln	18.5S;177.9W h=424km H=06:14:55.5(U) 18.2S;177.2W 350 06:14:48 (M)
e,E	eSKKKS	43 54		
z	e	44 27		
V	eSKSP	46 49		
z	e	48 07		
N	epPPS	51.5		
N,E,V	eLm	07 09		
1. z	e	07 06 44	Spuren	
1. z	e	09 59 51		
1. z	eP	14 11 09	Samar, Philippinen	12.6N;125.9E h= 51km H=13:57:55.2(U) 12.8N;126.0E 13:57:54 (M)
1. z	eP	15 07 05	Samar, Philippinen	12.6N;125.8E h= 48km H=14:53:51.2(U) 12.9N;125.9E 14:53:51 (M)
1. z,n,e,N,V	ePKP	19 00 07.9K,S	1.3/590	
z	i	00 16.7		
z	e	00 35		
z	ePP	03 34	Gebiet der Tonga-Inseln	17.3S;172.7W h= 33km H=18:40:30.7(U) 16.9S;172.5W 18:40:33 (M)
1. z	eP	21 21 09		
1. z,n,e	e	22 03 50		

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2. z	e(P)	01 16 22	Spuren, Grenzgebiet Afghanistan - UdSSR	38.5N; 70.5E h= 20km 38.5N; 70.6E	H=01:08:28.9(U) 01:08:28 (M)
2. z	eP	02 53 00	Gebiet der Philippinen	11.5N; 126.5E h= 50km 11.4N; 126.7E	H=02:39:40.4(U) 02:39:38 (M)
2. z z z	1FKP ₁ 1FKP ₂ epFKP	06 40 44.0D 0.9/22 40 47.9K 1.1/24 43 05			
2. z,n,e z z	1FKP ₁ 1FKP ₂ ipFKP	06 52 51.2D 0.9/49 52 55.1K 1.1/39 55 12.7 147° Mc=4.8	Gebiet der Fidschi-Inseln	19.7S; 178.5W h=603km	H=06:34:14.6(U)
2. z,n,e	eP	10 42 21	1.6/35 Gebiet von Island	68.5N; 18.3W h= 33km	H=10:37:21.2(U)
2. z,n,e	eP	10 49 23	1.6/30 Gebiet von Island	68.3N; 19.5W h= 33km	H=10:44:19.8(U)
2. z,n,e	e	13 38 43			
3. z,n,e	e	03 03 33			
3. z	e	05 41 27	Spuren, W-Chile-Rücken	41.5S; 86.0W h= 33km	H=05:22:10.4(U)
3. z,n,e	e(Sg)	06 03 51	Slowenien, Jugoslawien	46.0N; 15.3E	H=06:01:04 (W)
3. z,n,e	e	11 42 56			
3. z	e	14 04 48	Spuren		
4. z,n,e	e	01 58 00			
4. z	1FKP	02 53 04.1K 1.3/19			
4. z,e z z,n,e z,e n z z z,n,e,N,V z,n,e	1Fn i i 1Pg i i i iSg elm	08 30 55.4 300km 30 58.5 31 03.1 31 04.8 Hessen, BRD 31 05.9 31 07.5 31 09.1 31 39.0 31 45		50.4N; 8.9E 50.4N; 8.8E h= 26km	H=08:30:12 (B) 08:30:12.8(U)
4. z,n,e z	1P i	12 17 23.1K 1.7/80 17 43.8D	Gebiet der Kommandeur-Inseln	54.4N; 167.5E h= 24km 54.5N; 167.4E 45	H=12:05:56.9(U) 12:06:00 (M)
4. z,n,e	e	18 42 11			
4. z	1P	23 48 13.3K 1.5/25	Naher der S-Küste von S-Hondo, Japan	33.9N; 136.5E h=385km 33.6N; 136.6E 370	H=23:36:36.0(U) 23:36:31 (M)
5. z	eP	00 45 01	Grenzgebiet Kaschmir - Tibet	32.0N; 78.8E h= 28km 32.3N; 78.8E	H=00:35:57.2(U) 00:36:00 (M)
5. z,e z,n,e z	1P i e(PF)	02 11 28.2D N-Kolumbien 11 34.2 14 34		6.3N; 76.9W h= 44km 6.1N; 76.8W	H=01:58:54.4(U) 01:58:53 (M)
5. z	eP	05 27 35	Zentraler Mittelatlantischer Rücken	7.2N; 34.1W h= 33km	H=05:17:37.1(U)
5. z,n	i(P)	07 49 35.4K 1.4/32	W-Küste von Kalabrien	38.4N; 16.0E h=100km 38.2N; 15.8E 135	H=07:46:30 (B) 07:46:25.4(U)

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5. z,n,e	iP	10 52 08.2	1.5/27 Gebiet der Nikobaren	7.2N; 94.4E h= 30km 7.2N; 94.4E	H=10:40:05.9(U) 10:40:06 (M)
5. z,n,e	eP	11 39 09	Gebiet der Nikobaren	7.5N; 94.4E h= 22km 7.8N; 94.4E 25	H=11:27:05.9(U) 11:27:08 (M)
5. z	eP	12 52 16	Spuren, N-Kolumbien	6.4N; 76.9W h= 33km	H=12:39:42.1(U)
5. z	eP	17 06 32	S-atlantischer Rücken	14.3S; 13.4W h= 33km	H=16:55:24.4(U)
5. z	e	18 54 39	Spuren		
5. z,n	e	20 21 42			
5. z,n,e	e	21 19 20			
5. z,e	e	23 27 43			
6. z,n,e e n	iP e i	01 18 25.3 18 32 18 34.1	1.6/45 Ratten-Inseln, Aleuten	51.9N; 176.2E h= 61km 51.7N; 176.1E	H=01:06:42.1(U) 01:06:38 (M)
6. z	e	03 14 25	Spuren		
6. z	eP	04 16 05	Iran	35.9N; 53.1E 35.9N; 53.0E h= 3km 35.8N; 53.1E	H=04:09:35 (B) 04:09:31.0(U) 04:09:33 (M)
6. z	ePKP	06 51 35	1.3/15		
6. z	eP	08 08 26	Kurilen	43.3N; 147.4E h= 33km	H=07:56:32.0(U)
6. z	i(P)	08 08 40.7D	1.5/32		
6. z,n,e	eSg	08 32 57	Bergschlag Oberschlesien, Polen		(P)
6. z	eP	10 01 57	Gebiet der Nikobaren	7.3N; 94.4E h= 62km 7.7N; 95.7E 20	H=09:50:00.4(U) 09:49:57 (M)
6. z	eP	10 23 17	S-Iran	27.2N; 56.1E 27.4N; 56.1E h= 38km 27.1N; 56.3E	H=10:15:38 (B) 10:15:42.2(U) 10:15:40 (M)
6. z,n e	e e	12 06 45 06 57			
6. z	iP	12 32 44.4K 0.8/17			
6. z,n,e,V z z z N N,E,V	iP e ePP e e(S) elm	12 49 34.3D 52 42 53 15 56 05 13 00 55 37	1.8/195 94° MLH=5.8 Gebiet der Philippinen t16 an1 ae2 av2	12.5N; 126.1E h= 11km 12.9N; 126.0E 90	H=12:36:14.5(U) 12:36:26 (M)
6. z,n,e	i(P)	14 47 34.0			
6. z,n,e	e	21 38 13			
6. z	i	22 38 03.3D			
7. z	e	01 51 23			
7. z	iP	05 52 39.4D	1.2/26 Provinz Tsinghai, China	33.3N; 95.3E h= 33km 33.2N; 95.5E 20	H=05:42:32.3(U) 05:42:30 (M)
7. z	eP	07 05 54	Spuren, Ratten-Inseln, Aleuten	50.7N; 175.5E h= 22km 51.0N; 175.0E	H=06:53:57.8(U) 06:54:02 (M)

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7. z,n,e	e	09 32 28		
7. z,e	e	10 25 23		
7. z,n,e N,E,V	iPg i	10 53 30.7 53 32.3	Sprengung	
7. z	ePKP	14 36 50	Gebiet der Loyalty-Inseln	21.6S;169.4E h= 33km H=14:17:16.7(U)
7. e z,n	e	15 05 03 05 11		
7. z,n	e	15 40 27		
7. z,n	e	19 40 53		
8. z z,n,e z	e(FKHKP) iPKIKP ipPKP iSKP	11 19 22 19 34.2D 1.3/51 19 56.8 22 59.1	Santa-Cruz-Inseln	11.0S;166.1E h= 77km H=11:00:24.5(U)
8. z,e	eP	12 59 15	Armenien	38.72N; 40.0 E H=12:54:12 (B) 38.6N; 40.5E h= 33km 12:54:09.1(U) 38.8N; 40.8E 12:54:12 (M)
8. z z z z,n,e N,E,V	eP i epP i ePP eLm	15 07 06 07 11.4 07 26 10 40 11 13 54	2.0/75 Mindanao, Philippinen	6.6N;126.8E h= 97km H=14:53:32.5(U) 6.9N;126.8E 80 14:53:32 (M)
8. z z z n	iPKIKP i i i	18 12 11.1 12 13.1 12 16.9 27 09.3	1.3/59 1.1/90 Gebiet der Fidschi-Inseln	19.2S;176.8W h=123km H=17:52:41.2(U)
8. z	eP	21 03 32	2.0/33 Vor der Küste von Oregon, USA	44.6N;129.4W h= 33km H=20:51:29.9(U)
8. z z,n,e	a eSg	21 10 14 10 37	(W-Polen)	
9. z	i	02 16 23.6K	Gebiet der Kurilen	50.2N;159.1E h= 33km H=02:04:24.0(U)
9. z	eP	06 03 26	2.7/110	
9. z	iP	17 54 16.0	Mongolei	48.0N;103.0E h= 33km H=17:44:48.2(U) 47.8N;103.2E 17:44:46 (M)
9. z	eP	19 03 40	Naher der E-Küste von Kamtschatka	55.7N;162.4E h= 43km H=18:52:27.6(U) 55.6N;162.3E 80 18:52:30 (M)
9. z,n,e z z,n,e z z E E N N,E N,E,V	iP i e e ePP e eSKS eS eLm eLm	20 47 59.2D 1.5/65 48 05.3 48 12 50 57 51 42 51 50 58 36 59 10 21 28 36	93° MIH=6.1 Gebiet der Philippinen	13.8N;125.1E h= 33km H=20:34:49.8(U) 13.0N;125.7E 45 20:34:46 (M)
10. z,n,e	e	11 14 59	Andreanow-Inseln, Aleuten	
10. z	e	11 20 39		51.4N;179.1W h= 57km H=11:02:43.5(U)

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10. z	e(PKP)	14 00 15	N-licher Oster-Rücken	4.8S;105.7W h= 33km H=13:41:35.9(U)
11. z z	e(P) e	04 01 56 05 02	Kirgisische SSR	40.4N; 73.1E h= 44km H=03:53:57.7(U) 40.8N; 73.1E 03:53:59 (M)
11. z	eP	04 30 48		
11. z,n,e,V z,n,e n z,n,e n,e z	iP epP esP eFP eS ePKPKP	04 36 31.6D,N,E 1.5/265 37 51 38 23 74° h=350km 39 22 45 32 05 03 49	Ochotskisches Meer	46.7N;145.5E h=355km H=04:25:32.3(U) 46.8N;145.6E 355 04:25:33 (M)
11. z	iP	07 34 10.9	Gebiet von Hokkaido, Japan	41.9N;143.8E h= 69km H=07:22:18.9(U) 44.1N;142.9E 215 07:22:48 (M)
11. z,e N,E	iP eLm	07 34 39.7 1.3/32 08 10		
11. z	i(P)	09 05 26.9D		
11. z,n,e N,E V	iP eLm eL	09 06 15.0K 1.4/105 40 t18 an2 ae4.5 44 Gebiet von Hokkaido, Japan		41.7N;144.0E h= 31km H=08:54:18.5(U) 42.5N;143.8E 08:54:23 (M)
11. z,n,e N,E V	iP eLm eL	09 08 29.4K 1.1/100 42 t16 an1 ae3 46 Gebiet von Hokkaido, Japan		41.5N;144.2E h= 55km H=08:56:34.3(U)
11. z,n,e	e	12 52 36		
11. z	iP	16 02 30.2K 1.4/12	Carlsberg-Rücken	0.5N; 67.2E h= 33km H=15:51:31.8(U)
11. z	e(P)	16 06 23	Ionisches Meer	37.4N; 20.9E h= 41km H=16:02:45.3(U)
12. z z,n,e z,n,e z	ePn e eSn e	00 07 52 740km 08 34 09 00 Nordsee 09 31		57.0N; 7.2E H=00:06:14 (B) 57.0N; 7.3E h= 33km 00:06:14.4(U)
12. z z	iPKP e	01 02 23.1K 1.1/52 05 31	Gebiet der Loyalty-Inseln	21.7S;170.3E h=134km H=00:42:58.3(U)
12. z	e	04 18 24		
12. z,n,e,N,E,V N,E,V E N,E,V	iP eS e eLm	09 08 02.0K,N,W 1.3/550 1.3/340 1.4/180 11 33 11 52 18.5° 16.5 Dodekanes		36.2N; 28.2E h= 65km H=09:03:50 (B) 36.3N; 28.2E 68 09:03:49.5(U) 36.0N; 28.1E 09:03:44 (M)
12. z	iPKP i	10 45 12.8 1.5/38 45 22.0		
12. z,e	e	14 11 49		
12. z,n,e	e	14 57 51		
12. z	eP	15 02 21	Naher der S-Küste von Hondo, Japan	34.6N;137.4E h= 44km H=14:50:06.7(U)
12. z,n,e z,e	e eL	15 51 22 51 48		
12. z,n,e z,n z z N,V	eP i i e eL	17 55 59 1.7/68 56 03 56 28.0 56 59 18 05	Gebiet von Jan Mayen	71.8N; 2.0W H=17:51:08 (B) 71.7N; 2.5W h= 33km 17:51:11.2(U) 71.7N; 2.3W 17:51:06 (M)

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12. z,n	eP	17 59 07			
12. z	eP	18 15 01			
	e	15 16			
N,E,V	eIm	19 02			
12. z	e	21 20 08			
12. z,n,e	eP	22 06 23	1.7/44	71.7N; 1.3W h= 33km H=22:01:32.4(U)	
			Gebiet von Jan Mayen	71.6N; 0.9W	22:01:35 (M)
12. z	e	22 23 50			
12. z	e	22 54 19			
12. z,n,e,N,V	iP	23 43 21.2D	1.9/120		
	eS	47 26	21.5° MIH=4.6		
N,E,V	eIm	52	t17.5 an2 ae1 av2	71.5N; 1.5W H=23:38:34 (B)	
			Gebiet von Jan Mayen	71.7N; 2.5W h= 33km	23:38:33.7(U)
				71.7N; 1.7W	23:38:30 (M)
13. z,n,e	iP	00 52 06.2K	1.9/50		
13. z	eP	01 01 59	Spuren, Iran	31.9N; 51.3E H=00:55:14 (B)	
				31.8N; 50.9E h= 17km	00:55:13.4(U)
13. z	eP	01 25 51			
13. z	eP	01 29 53	1.5/21		
13. z	iP	01 51 16.3K			
	e	51 26			
13. z	eP	01 56 36			
	e	57 02			
13. z	iP	02 51 30.2K			
13. z,n,e	iP	03 05 38.5K	1.0/46		
			Halbinsel Alaska	54.4N; 162.7W h= 33km H=02:54:01.2(U)	
				54.8N; 163.1W	02:54:06 (M)
13. z,n,e,N,E,V	iP	03 11 49.9D	S,E 1.5/150		
	eS	15 26	19°	33.3N; 22.8E H=03:07:23 (B)	
	eL	19	Mittelmeer	33.6N; 22.9E h= 33km	03:07:26.6(U)
	eL	21		33.7N; 22.9E	03:07:27 (M)
13. z,n,e	eSg	04 55 43	Bergschlag Oberschlesien, Polen		(P)
13. z	e	05 02 56			
	e	03 36			
	e	06 29			
13. z	iPKP ₁	13 25 52.4K	1.4/30		
	e	26 04	Gebiet der Tonga-Inseln	18.7S; 172.5W h= 33km H=13:06:10.1(U)	
13. z	eP	13 26 34			
	e	26 50			
13. z	iPKP ₁	14 01 32.9D	1.5/37		
	i	01 47.1	Gebiet der Tonga-Inseln		
	i	02 27.0		18.5S; 172.5W h= 33km H=13:41:51.5(U)	
13. z,n	iPKP ₁	14 04 54.8K	Gebiet der Tonga-Inseln		
	e	05 07		18.4S; 172.7W h= 33km H=13:45:13.9(U)	
	eIm	15 05			
13. z,n,e	iPKP	14 34 41.1K	2.0/115		
	e	35 02			

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13. z,n	iP	15 53 32.7	1.5/42		
	e	53 48			
13. z	e	16 00 29	1.5/25		
			Kurilen	50.3N; 156.7E h= 69km H=15:48:46.0(U)	
				50.5N; 156.7E	70 15:48:47 (M)
13. z	eP	16 37 22	Taiwan	24.3N; 121.6E h= 66km H=16:25:03.3(U)	
	e	37 39		24.3N; 122.0E	16:24:56 (M)
	eIm	17 17			
13. z	iP	19 22 00.4D	Carlsberg-Rücken	10.9N; 57.4E h= 33km H=19:12:36.6(U)	
				10.5N; 57.4E	19:12:34 (M)
13. z	e(Pn)	19 57 06	Idgurischer Apennin, Italien	44.6N; 9.5E H=19:55:14 (B)	
	e	57 28		44.6N; 9.6E h= 5km	19:55:13.1(U)
	iPg	57 35.3			
	eSn	58 15			
	i	58 25			
	i	58 27.1			
	e	59 02			
	iSg	59 08.0			
	eIm	59.7			
13. z	e	20 35 27	N-Italien	44.4N; 11.0E H=20:31:52 (B)	
	e	35 49			
13. z	iP	23 34 11.2D	Ionisches Meer	37.4N; 20.9E H=23:30:32 (B)	
				37.4N; 20.9E h= 33km	23:30:33.3(U)
13. z	e(P)	23 43 06	Andreasow-Inseln, Aleuten	51.7N; 173.3W h= 27km H=23:31:13.3(U)	
14. z	e	00 07 04	Spuren		
14. z,n,e	e	01 45 52			
14. z,n	iP	04 45 11.6K	2.1/60		
14. z	eP	09 42 03	D 1.4/35		
	e	42 14	Nähe der Küste von N-Kalifornien	40.6N; 124.3W h= 23km H=09:29:48.5(U)	
				41.2N; 124.2W	09:29:53 (M)
14. z,n,e	iPKP	09 57 04.3D	1.0/60		
	i	57 11.2	Gebiet der Fidschi-Inseln	17.7S; 178.4W h= 594km H=09:38:31.8(U)	
14. z,n,e	e	10 05 21			
14. z	eP	10 43 42	Kurilen	43.6N; 146.3E h= 63km H=10:31:54.7(U)	
14. N,E,V	eL	11 45			
14. z,n	eP	12 37 10			
	e	37 16	1.6/46	39.0N; 40.9E H=12:32:04 (B)	
			E-Türkei	38.6N; 40.7E h= 41km	12:32:04.8(U)
				38.7N; 40.8E	12:32:04 (M)
14. z,n,e	e	12 59 17			
	e	59 24			
14. z	iP	21 16 12.3K	SE-lich von Shikoku, Japan	30.2N; 132.3E h= 39km H=21:03:49.3(U)	
15. z,e	iP	06 50 21.4	1.4/32		
	i	50 27.2	E-Türkei	38.0N; 40.2E H=06:45:14 (B)	
				38.6N; 40.6E h= 33km	06:45:15.0(U)
				38.6N; 40.6E	06:45:12 (M)
15. z	iPKP ₁	08 39 30.9	1.7/23		
	ePKP	39 45	W-lich der Macquarie-Insel	53.8S; 141.5E h= 33km H=08:19:44.6(U)	
	e	40 08			
15. z,e	iP	08 55 48.3K	0.9/17		

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15. z	e	10 03 32			
15. z,n,e	iP	15 41 31.1D 2.7/180			
z,n,e,V	i	41 40.8K			
z	i	41 48.2K 91° MIH=5.8			
N,E	eSKS	52 03			
N,E,V	ePS	53.6			
z	e	59 40	Michoacan, Mexiko	18.2N;102.2W h= 33km H=15:28:30.4(U)	
N,E,V	eL	16 15		18.3N;102.3W	15:28:31 (M)
N,E,V	eLm	25	t16 an1.5 ae2 av3		
15. z,n,e,V	iP	20 52 43.7D 2.0/135			
z,n,e	i	52 48.9			
z,e	e	55 47	94° MIH=6.4		
z,V	iPP	56 29.4			
N	e(S)	21 04 03			
N,E,V	ePS	05.3	Samar, Philippinen	12.9N;125.9E h= 11km H=20:39:25.9(U)	
z	e	10 29		12.4N;126.2E	20:39:26 (M)
N,E	eL	33	t14 an8 ae5		
N,E,V	eLm	36	t16 an7 ae9 av7		
N,E,V	eLm	40	t18 an8 ae7.5 av12		
15. z	iP	22 59 03.0D 1.7/30			
16. z	ePKP ₁	04 06 11	W-lich der Macquarie-Insel	53.78;140.9E h= 33km H=03:46:25.9(U)	
16. z,n,e	eSg	05 00 38	N-Italien ?		H=04:57:47 (W)
16. z,n,e	eFn	13 06 07	775km MIH=4.6		
z,n,e	iPg	06 39			
z,n	i	06 46			
z,e	i	06 55	Ligurischer Apennin, Italien	44.6N; 9.6E H=13:04:24 (B)	
n,N	i(Sn)	07 26.4		44.7N; 9.6E h= 19km 13:04:24.4(U)	
e,E	i	07 37		44.9N; 9.5E 13:04:27 (M)	
V	e	07 55			
z,n	e	08 11			
N,E,V	eSg	08 17			
E	eL	08 50	t11 ae6.5		
N,E	eLm	09 20	t10 an8 ae3.5		
V	eL	09 24	t11 av9.5		
16. z	eP	21 34 54	Kurilen	45.1N;147.2E h= 18km H=21:23:05.1(U)	
z	e	35 00		44.9N;147.2E	21:23:07 (M)
16. z	e	23 49 48			
17. z	iPKP ₂	02 21 40.6	Gebiet der Kermadec-Inseln	29.6S;179.1W h= 33km H=02:01:26.4(U)	
17. z	e	02 26 03			
17. z	e	03 20 41			
z	i	20 45.3	1.6/40		
17. z	iP	05 57 20.3K 0.8/26			
z	i	57 29.5			
17. z	eP	14 41 00	0.9/19		
z,e	e	41 14			
z	e	41 26	Mittelmeer,	34.4N; 22.6E H=14:36:47 (B)	
z,n,e	e	41 36	SW-lich von Kreta	34.3N; 23.3E h= 33km 14:36:44.7(U)	
18. z	e	01 10 24	Mittelmeer	33.3N; 22.9E 14:36:32 (M)	
18. z	eP	02 47 50	Carlsberg-Rücken	35.8N; 22.7E h= 65km H=01:04:59.6(U)	
18. n	e	03 42 45		0.1N; 67.0E h= 33km H=02:36:50.2(U)	
z,n,e	eSg	43 15	Bergschlag Oberschlesien, Polen		(P)
18. z	e	06 22 55			
z,n,e	e	23 06			
18. z	eP	11 51 58	S-Iran	28.9N; 53.0E h= 64km H=11:44:51.6(U)	

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18. z	e	12 39 33			
18. z	e	15 27 07			
18. z	e	20 46 34	Spuren		
19. z,n,e	iPKP	03 53 28.5	1.1/43		
n	e	53 47			
z	ePP	55 24	125.5° MIH=5.8		
z	e	55 51			
N,E,V	eLm	04 51	t18 an1.5 ae1.5 av2		
	F	05 30	Salomonen	6.8S;154.5E h= 24km H=03:34:28.1(U)	
				6.5S;154.8E	03:34:30 (M)
19. z	ePKP	04 10 25	Salomonen	6.9S;154.4E h= 42km H=03:51:26.6(U)	
z	e	10 52			
19. z,n,e	iP	04 52 30.3D 1.5/90			
z	e	52 38	NW-lich von Spitzbergen	82.0N; 5° W H=04:46:09 (B)	
				82.0N; 4.8W h= 26km 04:46:10.9(U)	
				82.0N; 6.5W	04:46:05 (M)
19. z,n	iPKP	06 37 17.8D 1.9/120			
z,n,e,V	iPKP ₁	37 24.1K 1.4/360			
z	iPKP ₂	37 34.8 1.0/82			
z,n,e,V	ePKP	39 33	151° h=540km Mc=5.5		
z	e	44 37	S-lich der Fidschi-Inseln	24.1S;179.1E h=555km H=06:18:33.9(U)	
				26.6S;178.5W 450	06:18:18 (M)
19. z	iP	11 17 43.1K 1.4/170			
z	e(PP)	20 33			
z	e	23 55	Nahe der E-Küste von	54.4N;161.3E h= 62km H=11:06:27.5(U)	
N,E,V	eLm	50	Kamtschatka	54.3N;161.2E 95	11:06:30 (M)
19. z,n,e	iPg	11 43 43.9	115km Sprengung 12.5t	50.56°N; 14.07°E	(C)
z,n,e	i(Sg)	43 58.9			
z	eL	44 06			
19. z	eP	23 26 53	Grenzgebiet NW-Iran - UdSSR	38.4N; 45.6E h= 39km H=23:21:20.0(U)	
z	i	27 51.0			
z	e	28 09			
19. z	e	23 54 29			
20. z	e	00 48 36			
20. z	iP	01 03 14.1K 1.5/53			
z	i(PP)	03 27.9			
z	e(PP)	03 34	S-Sumatra	4.4S;102.4E h= 58km H=00:50:04.7(U)	
z	ePP	06 56		4.2S;102.5E 60	00:50:06 (M)
20. z	iP	01 29 33.9K 0.8/22			
20. z	e	01 42 13	Spuren		
20. z	e	03 18 48			
20. z	e	15 03 08	Spuren		
20. z,n,e	iP	15 12 18.3K 1.2/125			
z	ePP	15 21			
z	e	38 22	Unterirdische Kernexplosion, 37°13'29.83"N;116°22'03.22"W		
z	ePKPPKP	38 51	Nevada - Testort	h= 0km H=15:00:00.1(U)	
20. z	e	17 07 02			
20. z,n,e	e	18 43 23			
21. z,n,e	iP	01 27 32.0K 2.0/130			
z,V	i	27 37.0	Grenzgebiet	7.5N; 77.6W h= 36km H=01:15:00.8(U)	
z	ePP	30 45	Panama - Kolumbien	7.5N; 77.5W	01:15:01 (M)
N,E,V	eLm	02 11			

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21. z	e	02 35 22	Spuren		
21. z	iPKP	05 03 57.1D	1.1/42	7.5S;127.1E h=116km H=04:45:36.4(U)	
z	e	05 14	Banda-See	7.5S;127.3E 100 04:45:35 (M)	
21. z	iP	13 57 44.3D	1.2/45		
			Vor der E-Küste von Kamtschatka	52.9N;159.4E h= 68km H=13:46:24.1(U)	
				52.9N;159.8E 13:46:20 (M)	
21. z	e	14 09 41			
21. z	e	14 40 39			
22. z	iP	02 47 39.7K	1.5/34		
e		47 47	Mindanao, Philippinen	8.1N;126.4E h= 74km H=02:34:10.6(U)	
ePP		51 39		8.0N;126.4E 50 02:34:07 (M)	
N,E,V	eL	03 35	t18 an1 ae2 av2		
22. z	epP	09 02 13	Andreanow-Inseln, Aleuten	51.7N;173.4W h= 54km H=08:50:09.1(U)	
				51.4N;173.8W 08:50:06 (M)	
22. z	e	09 53 43			
22. z	eP1	10 09 04			
z,n,e	eP2	09 07	D 1.5/50		
z,n,e,V	iPP	09 17.1	1.4/160		
V	e	12 04			
E,V	eSSS	12 50	12.5°		
z,e,N	eLg2	13 14			
z,n,e,V	e	13 27	S-Albanien	39.9N; 20.1E H=10:06:11 (B)	
E	e	13 38		40.0N; 20.1E h= 36km 10:06:08.9(U)	
z	e	14 08		39.8N; 19.8E 10:06:06 (M)	
N,E	eIm	14.4	t12 an2.5 ae5.5		
N,E,V	eL	14.8	t12 an4.5 ae3 av6.5		
22. z	e	17 36 35	Spuren		
22. z	e	18 03 40	Spuren		
22. z	e(Sg)	18 20 58	Spuren, N-Italien	44.4N; 11.0E H=18:17:07 (B)	
				44.4N; 11.2E h=143km 18:17:03.4(U)	
22. z	e(P)	18 38 33	14.5°		
z	e	38 50			
e	eSS	41 35	Griechenland	38.4N; 21.6E H=18:35:07 (B)	
z	e	42 29		38.2N; 21.4E h= 33km 18:35:05.8(U)	
e	e	42 53		38.5N; 21.9E 18:35:09 (M)	
E	e	43 26			
N,E	eL	44 20			
23. z,n	ePKP	00 55 32	Salomonen	6.3S;154.8E h= 56km H=00:36:35.8(U)	
z,e	epPKP	55 48		6.0S;154.5E 00:36:35 (M)	
z	e	56 03			
z	e	56 32			
N,E,V	eIm	01 51			
23. z	ePKP1	01 35 42	S-lich der Fidtschi-Inseln	22.0S;179.2W h=482km H=01:16:50.6(U)	
z	e	36 11			
23. z,n,e	eSg	03 32 52			
23. z	iPKP	09 58 30.6	0.8/24		
			Neue Hebriden	18.8S;169.2E h=227km H=09:39:28.1(U)	
				18.8S;169.8E 09:39:04 (M)	
23. z	e	10 06 51	Spuren		

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23. z	iPn	10 29 24.2	600km		
n,e	ePG	29 47			
z	e	29 57	Frioul, N-Italien	45.8N; 13.0E H=10:28:01 (B)	
z,n,e	e	30 45		45.9N; 13.0E h= 33km 10:28:04.0(U)	
z,n,e	eSg	30 59			
23. z	e	12 47 46	Spuren		
23. z	e(P)	13 25 04			
23. z	iP	23 13 43.1D	1.6/210		
z	e	14 00			
z	epP	14 24	Gebiet von Hokkaido, Japan	41.2N;140.1E h=161km H=23:02:07.4(U)	
z	e	16 42		41.6N;140.1E 165 23:02:09 (M)	
23. z	e	23 36 42	Spuren		
24. z,n,e	iPKP1	03 54 31.1D	1.8/89		
z	e	54 51	Gebiet der Tonga-Inseln	19.0S;172.7W h= 33km H=03:34:49.0(U)	
				17.8S;173.5W 03:34:56 (M)	
24. z,n,e,V	ePKP1	05 56 20	2.8/300		
z	i	56 40.4	Gebiet der Tonga-Inseln	19.0S;172.8W h= 33km H=05:36:38.3(U)	
24. z,n,e	e	07 37 39			
24. z,n,e,V	iP	08 09 57.2K	1.1/300		
z,V	ipP	10 09.8D	78° h= 50km MLH=5.9		
z	e	13 32			
n	eS	19 48	Kurilen	43.3N;147.5E h= 43km H=07:58:03.0(U)	
n,N,E	eSKS	20 04		44.4N;147.0E 40 07:58:09 (M)	
N,E	eL	41	t21 an2.5 ae3		
N,E,V	eL	44	t16 an2.5 ae2		
	eIm	48	t15 an3.5 ae2.5 av3		
24. z,n,e	iP	08 37 02.6K	1.2/61		
z	e	37 15			
z	e	37 33	Kurilen	43.3N;147.6E h= 33km H=08:25:06.9(U)	
				44.6N;147.0E 80 08:25:20 (M)	
24. z,n,e	iP	10 03 41.6K	1.2/110		
z,e	ipP	03 53.5	78° MLH=5.6		
z	ePP	06 35			
n	eS	13 27	Kurilen	43.3N;147.6E h= 36km H=09:51:46.0(U)	
N,E,V	eIm	42	t16 an2 ae1.5 av1.5	44.3N;147.1E 80 09:51:57 (M)	
24. z	eP	14 51 42	SW-lich von Sumatra	6.4S;102.9E h= 33km H=14:38:22.5(U)	
				6.5S;102.9E 14:38:17 (M)	
24. z	e	15 08 29	Spuren		
24. z	eP	21 43 27	K 1.6/22		
z	e	43 35			
z	ePP	45 37	N-lich der Insel Ascension	3.8S; 12.0W h= 33km H=21:33:30.0(U)	
24. z,e	iPKP1	21 59 52.3D	0.9/21		
z	ePKP2	22 00 05	S-lich der Fidtschi-Inseln	25.9S;178.7W h=302km H=21:40:30.8(U)	
24. z,n,e	e(Pn)	22 32 34	220km W-Polen		
z,n,e	e	32 41			
n	iSn	32 57.8			
z,n,e	iSg	33 03.1			
25. z	e	00 49 48			
z,n,e	e	50 02			
25. z	e	01 17 26	Spuren		
25. z	e	02 45 34	Spuren		
25. z,n,e	e	03 21 09			

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25. z	ePKP	04 22 15	Tonga-Inseln	17.78;173.0W h= 33km H=04:02:36.4(U)
25. z	e	06 12 50		
25. z,n,e	e(Pg)	06 19 36	685km	
z,n,e	i	19 53.5		
z,n,e	e	20 33		
z,n,e	i(Sg)	20 53.7	Valais, Schweiz	46.3N; 7.4E H=06:17:38 (B) 46.3N; 7.5E h= 33km 06:17:39.5(U)
25. z	ePKP	08 25 54	1.8/39	
z	e	26 11		
z,n,V	e	28 26		
n,e,E	ePKS	29 20	128.5° MLH=6.5	
z,N,E	ePPP	30 40		
V	ePS	38 08		
z,N	e	38 37	Salomonen	9.2S;156.7E h= 33km H=08:06:45.4(U) 8.9S;156.8E 08:06:43 (M)
z	ePPS	39 50		
N,E	eSS	45 16		
N,E,V	eLm	09 12	t24 an8.5 ae7 av6	
F	F	10 30		
25. z	iP	10 09 16.7K	1.1/36	
z	e	09 26	Gebiet von Hokkaido, Japan	41.5N;144.3E h= 27km H=09:57:17.3(U) 41.5N;144.3E 09:57:18 (M)
25. z	e	12 35 20		
25. z	e	13 55 05	Spuren	
25. z	iPKIKP	14 33 39.1	1.5/19	
z,n,e	iPKP ₁	33 44.0D	1.2/72	
z	iPKP ₂	33 48.8K	1.2/50	
z	epPKP	36 05	148.5° h=600km Mc=4.9	
z	eSKS	39 47	Gebiet der Fidshi-Inseln	21.1S;178.5W h=593km H=14:15:02.1(U)
25. z	eP	14 56 44		
z	e	57 43		
25. z	e	19 22 28		
25. z	e	21 32 36	Spuren	
26. z,n,e,V	iP	00 27 10.3	2.0/150	
z,e	e	27 20		
e	eS	32 52	51.5°	
e	e	34.5		
e	ePPS	34 48	Gebiet von Sokotra,	
z	e	35 08	Arabisch-Indischer Rücken	13.6N; 56.7E h= 33km H=00:18:06.3(U) 13.5N; 56.6E 00:18:06 (M)
z	e	37 29		
E	e	38 40		
26. z	e	01 15 45	Spuren	
26. z	e	02 20 53		
26. z	e	02 49 26		
26. z	eP	04 11 50	1.6/27	
			Gebiet von Sokotra,	
			Arabisch-Indischer Rücken	13.7N; 56.6E h= 33km H=04:02:47.9(U) 12.8N; 56.5E 04:02:41 (M)
26. z,n,e	e	08 21 54		
26. z	e	09 00 08	Spuren	
26. z,n,e	iPg	11 25 14.6	115km Sprengung 29t	
z,n,e,V	iSg	25 28.1		
26. z	eP	14 26 14	Kurilen	50.59°N; 14.05°E (O) 43.2N;147.2E h= 33km H=14:14:19.0(U) 43.2N;147.4E 14:14:18 (M)

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26. z	iP	14 52 50.2		
26. z,n,e	e	19 46 15		
27. z	eP	00 21 54	Gebiet der Philippinen	13.0N;125.9E h= 33km H=00:08:40.8(U) 13.2N;125.9E 00:08:42 (M)
27. z	e	00 25 04		
z	e	25 17		
27. z	iP	03 45 09.6D	N-tliche Provinz Sinkiang,	
z	i	45 15.6	China	42.2N; 90.5E h= 33km H=03:36:05.5(U)
27. z	e	04 14 51		
27. z	eP	08 31 50	N-atlantischer Rücken	43.8N; 28.7W h= 33km H=08:25:56.3(U)
27. z	e(P)	10 17 21	Mongolei	45.1N;100.0E h= 33km H=10:07:54.7(U) 45.3N; 99.7E 10:07:57 (M)
z	e	17 34		
27. z	e	10 21 11		
27. z	iPKP	11 02 26.6K	1.2/42	
z	ipPKP	02 33.2	Tonga-Inseln	17.8S;174.7W h= 33km H=10:42:47.7(U)
27. z	iPKP ₁	11 03 48.3	1.1/18	
z	i(pPKP)	03 53.4	Tonga-Inseln	18.5S;173.3W h= 33km H=10:44:05.1(U)
27. z,n,e	iPKP ₁	11 21 29.8K	1.4/120	
z	ipPKP	21 37.6D		
z	e	25 02	Tonga-Inseln	17.8S;174.8W h= 33km H=11:01:52.6(U)
27. z	i	11 28 58.1		
27. z,e	iPKP	11 43 18.7K	1.7/60	
z	i	43 30.6		
27. z	iP	12 01 40.3		
z	e	01 47		
z	i	01 50.7		
27. z,n,e	e	12 10 25		
27. z	e(P)	14 32 44	Ionisches Meer	37.0N; 21.0E H=14:28:48 (B) 37.8N; 21.4E h= 57km 14:29:00.4(U)
27. z,n,e	iPKP ₁	15 42 34.3K	1.2/75	
			Tonga-Inseln	18.3S;174.5W h=109km H=15:23:04.4(U)
27. z,n,e	e	17 00 42		
27. z	eP	19 33 52	1.3/18	
			Kurilen	43.3N;147.6E h= 35km H=19:21:56.5(U) 43.6N;148.0E 19:21:55 (M)
27. z,n,e	iP	19 46 36.1D	1.3/46	
z	epP	46 48	Kurilen	43.3N;147.7E h= 42km H=19:34:41.4(U) 43.3N;147.7E 19:34:40 (M)
27. z	eP	20 16 48	Riu-kiu-Inseln	29.0N;130.3E h= 33km H=20:04:25.6(U) 29.2N;130.0E 20:04:27 (M)
z	e	17 05		
27. z,n,e	eP	20 29 41	N-Großbritannien	57.6N; 7.1W h= 33km H=20:26:33.0(U)
n	e	31 41		
z,n,e	eS	32 02		
28. z	e(PKP)	01 30 22	S-lich von Australien	49.1S;127.3E h= 33km H=01:10:52.6(U)

November 1975

Table of seismic events for November 1975, left page. Columns include date, time, location, magnitude, and depth. Events range from 03:22:04 to 10:34:07.

November 1975

Table of seismic events for November 1975, right page. Columns include date, time, location, magnitude, and depth. Events range from 11:01:55 to 05:20:59.

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30. z	e	11 14 06			
30. z	eP	11 53 10	Nahe der E-Küste von Hondo, Japan	38.9N;142.5E h= 32km H=11:41:03.9(U) 41.6N;140.1E 75 11:41:37 (M)	
30. z,n	i	16 18 11.8D			
30. z	eP	18 33 20	1.4/18		
z	e	33 47			
z	e	34 09	Provinz Jünnan, China	27.2N;100.3E h= 18km H=18:22:22.5(U) 26.6N;100.8E 18:22:20 (M)	
30. z	i(P)	19 22 31.7D	1.2/16		
30. z,n,e	iP	20 42 05.3K	1.7/100		
z,v	i	42 08.4			
z,n	i	42 11.4	1.7/250		
z	i	42 25	76.5 ⁰ MSH=6.1 MIH=6.4		
z	ePP	45 02			
N,E	eS	51 59	t17 an3.1 ae2.5		
n,e,v	eSKS	52 13			
z,e	ePS	52 29			
N,E	e	53 30			
N	eSS	57	Fuchs-Inseln, Aleuten	52.6N;167.2W h= 24km H=20:30:17.0(U) 53.2N;167.4W 20:30:17 (M)	
N,E	e	21 01			
z	ePKPPKP	09 24			
z	e(PKPPKS)	12 32			
N,E,v	eIm	18	t18 an15.5 ae6 av17.5		
N,E	eL	27	t16 an12 ae8		
F	F	23 30			
30. z	iSg	21 01 30.6	Tirol, Österreich	47.3N; 11.5E H=20:59:17 (W)	
30. z	ePKP	22 07 03	1.1/13		
			Gebiet der Loyalty-Inseln	22.9S;172.4E h= 79km H=21:47:30.5(U)	
30. z	epP	22 46 27	Gebiet von Alma-Ata	42.7N; 79.4E h= 35km H=22:38:06.7(U) 42.9N; 79.4E 22:38:05 (M)	

Dezember 1975

1. z	eP	02 17 05	Spuren, Fuchs-Inseln, Aleuten	53.3N;167.4W h= 53km H=02:05:23.4(U)	
1. z	iPKP	02 33 31.4	0.9/12		
			Neue Hebriden	15.6S;167.6E h=115km H=02:14:16.3(U)	
1. z	e	03 58 34			
1. z	iP	05 27 22.4	1.0/16		
			Nahe der E-Küste von Kamtschatka	53.9N;160.6E h= 57km H=05:16:05.0(U) 53.8N;160.4E 75 05:16:06 (M)	
1. z,n,e	iP	12 20 14.5D	1.7/68		
z	e	20 47	Gebiet der Philippinen	12.6N;126.0E h= 30km H=12:06:57.4(U) 12.7N;126.1E 12:06:58 (M)	
1. e	e	13 07 35			
n	e	08 13			
z,e	eSg	08 19			
1. z	eP	14 11 52	Grenzgebiet UdSSR - Mongolei	50.5N; 91.7E h= 23km H=14:03:20.2(U) 50.7N; 91.4E 14:03:16 (M)	
z	e(PPP)	14 45			
1. z	e	21 49 50			
2. z	eP	01 50 27	Kurilen	45.2N;149.9E h= 33km H=01:38:37.4(U)	
2. z	iP	23 36 03.3	1.7/28		
			Talaud-Inseln	3.1N;125.5E h=170km H=23:22:28.9(U) 2.8N;125.4E 23:22:12 (M)	
2. e	e	23 55 58			
z	e	56 08			
3. z	e	01 02 26			
z,n,e	e	02 38			
3. z	iP	07 26 19.6K	1.3/87		
z	e(pP)	26 36			
z	i	27 06.9			
N,E,v	eIm	08 02	Gebiet von Hokkaido, Japan	43.2N;145.7E h= 76km H=07:14:32.4(U) 43.6N;145.6E 75 07:14:34 (M)	
3. z,n,e	e	08 58 50	Nahbeben		(W)
3. z	iP	12 00 23.1K	2.4/130		
z	e(PP)	03 20	S-atlantischer Rücken	21.2S; 11.6W h= 33km H=11:48:41.5(U) 20.8S; 11.7W 11:48:43 (M)	
3. z	i	12 32 42.8			
3. z	iPKP	14 19 17.1K	1.4/32		
z	i	20 06.2			
3. z	e	20 06 06			
3. z	e	23 33 52	Spuren		
4. z,n	e	06 28 11			
4. z,n,e	iPg	11 44 24.3	115km Sprengung, CSSR		
z,n,e	i	44 37.4			
z,n	iSg	44 39.1			
z,n,e	eIm	44 46			
4. z	epP	15 11 25	Oaxaca, Mexiko	16.6N; 94.5W h= 89km H=14:58:20.2(U) 17.5N; 94.4W 14:58:17 (M)	
4. z	e	17 32 16			
4. z	e	19 29 29			

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5. z	e	00 06 19			
z	e	08 32			
5. z	e	00 35 41			
5. z,n,e	iP	07 45 53.5K 1.5/53			
z	e	46 06	33.1N; 76.0E h= 33km H=07:37:11.4(U)		
z,e	e(PF)	48 01	33.2N; 76.0E 40	07:37:13 (M)	
z	e	49 56	Grenzgebiet Kaschmir - Indien		
5. z	iP	09 43 08.2D 1.4/23			
			Nahe der Küste von Venezuela 10.8N; 62.6W h=108km H=09:31:50.3(U)		
5. z,n,e	e	10 04 48			
z,n	e	05 05	2.0/82		
5. z	e	12 06 50			
5. z	eP	14 40 45	108.5°		
z	e	41 20			
z	e	43 55	Banda-See		
z,n	ePKP	44 48	6.3S;124.8E h=576km H=14:27:19.8(U)		
e	e	45 02	6.5S;124.7E 500	14:27:13 (M)	
z	ePP	45 28			
5. z,n,e	e	15 18 46			
5. z,n,e,V	iP	20 26 06.3K 1.1/390			
z	i	26 15.8			
z	iaP	26 31.2	77°		
z	e(PF)	29 17			
e	e	31 22	Kurilen		
e	e(S)	36 07	43.6N;146.4E h= 68km H=20:14:18.2(U)		
N,E	eIm	21 03	44.7N;146.0E 80	20:14:25 (M)	
V	eIm	06	t20 an1.5 ae1		
5. n	e	23 46 56			
z,n,e	e	47 07			
e	e	47 19			
6. z	e	02 41 15	Spuren		
6. z	e	04 16 39			
6. z	e	04 53 27	Spuren		
6. z,n,e	iP	05 25 55.3D 1.9/240			
z,n	epP	26 05			
z,n	e	26 33			
z,e	ePP	29 17	86.5° MIH=5.9		
e,N,E	e(S)	36 32			
e	ePS	37 16			
e	e	41 10	Gebiet der Philippinen		
e	eSS	41 34			
N,E	e	44 38	17.4N;119.7E h= 19km H=05:13:11.7(U)		
N,E,V	eL	06 06	17.3N;119.9E	05:13:12 (M)	
	eIm	11	t14 an2 ae1.5		
			t11 an1.5 ae2 av2		
6. z	eP	05 31 13	Gebiet der Philippinen		
6. z	iP	07 11 17.2K 1.4/27			
			Gebiet der Philippinen		
6. z	e	12 03 38	17.4N;119.8E h= 52km H=06:58:37.4(U)		
z	e	07 53	17.6N;120.0E	06:58:36 (M)	
6. z	e	13 24 01	Spuren		
6. z	iPKP ₂	17 31 42.3K	Gebiet der Kermadec-Inseln		
6. z	e	21 05 40	31.6S;177.6W h= 33km H=17:11:11.4(U)		

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7. z	e	01 17 21			
7. z	e	04 11 45	Spuren		
7. z	iP	04 13 28.2	1.5/20		
z	i	13 39.4			
7. z,n,e	iPKP	04 21 12.9	0.9/15		
z	e	22 29	123° MIH=5.7		
z,n,e	ePP	22 48			
z,n,e	e	23 35	Gebiet von Neu-Irland		
N,E,V	eIm	05 19	t18 an1.5 ae0.5 av2	4.5S;153.4E h= 40km H=04:02:18.5(U)	
				4.4S;153.6E 04:02:13 (M)	
7. z,n	e	05 36 29			
7. z	iP	08 09 48.1	1.0/21		
z	e	10 04	Kurilen	43.4N;147.2E h= 23km H=07:57:52.3(U)	
				43.8N;147.2E 55 07:57:57 (M)	
7. z	ePKP	08 20 47	1.4/18		
			SE-Indischer Rücken	49.2S;109.0E h= 33km H=08:01:41.3(U)	
7. z	eP	09 56 22	Riu-kiu-Inseln	29.5N;130.7E h= 25km H=09:43:58.3(U)	
N,E	eIm	10 37		29.8N;130.8E 09:44:01 (M)	
7. z	iP	12 16 01.1	1.1/18		
7. z	e	23 29 46	Spuren		
7. z	e	23 49 28	Spuren		
8. z	e	00 44 29			
8. z	e	02 25 54	Spuren		
8. z	ePKP	07 53 38	Gebiet der Fidschi-Inseln	17.9S;176.6W h= 93km H=07:34:05.0(U)	
z	ipPKP	54 01.0			
8. z	eSg	15 39 30	Valais, Schweiz	45.5N; 7.3E H=15:36:10 (B)	
				46.6N; 7.3E h= 11km 15:36:10.6(U)	
8. z,n	iP	19 07 05.0D	1.3/35		
z	e	07 16			
n,e	e	07 20	Vor der E-Küste von Kantschatka	52.8N;160.1E h= 54km H=18:55:40.6(U)	
				52.7N;159.8E 70 18:55:42 (M)	
8. z,n,e	iP	22 58 51.8	1.6/43		
z	e	59 09 K			
N,E,V	eIm	23 09	t16 an4 ae2 av5	78.8N; 1 3/4°E H=22:52:59 (B)	
			W-lich von Spitzbergen	79.1N; 2.2E h= 33km 22:53:01.5(U)	
				79.2N; 1.4E 22:52:56 (M)	
9. z,n,e	e	00 05 25			
9. z,n,e	iP	01 36 05.2	1.5/87		
z	e	36 46			
z	e(pP)	38 17			
e	e	38 54			
z	iPP	40 18.2	Mindanao, Philippinen	6.1N;123.7E h=548km H=01:23:26.9(U)	
N	eS	46 44		5.9N;123.8E 500 01:23:22 (M)	
N,E	eSS	50 24			
9. z	iPKP	09 34 11.2	1.2/73		
z,n,e,V	i	34 13.6			
z	i	34 16.3			
z,n,e,N	e	34 25	143° MIH=6.1		
V	e	36 05			
z,n,e	e	36 49	Gebiet der Samoa-Inseln	14.8S;173.0W h= 33km H=09:14:40.6(U)	
z,n,e	ePP	37 22		14.5S;172.1W 09:14:42 (M)	
N	ePKS	37 50			
N	e	39.9			

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Fortsetzung					
V	eP	09 42 56			
e,N	eSKKS	44 28			
z	e	45 12			
z	ePcSPKP	46 12			
V	e	47.3			
N	eSKSP	47 50			
z	e	49 03			
N,E,V	eSS	56.5			
E	e	59.2			
N	eSSS	10 01.7			
N,E	eL	30	t24 an3.5 ae3		
N,E	eL	37	t19 an1 ae2.5		
N,E,V	eIm	41	t18 an3 ae2 av4.5		
9. n	e	12 59 52			
n,e	e	13 00 35			
z,n	e	00 43			
9. z,n,e	iPKP	13 52 34.9K	0.8/77		
z	e	53 20			
z	e(pFKP)	55 10	Gebiet der Fidschi-Inseln	18.0S; 178.6W h=635km H=13:34:04.1(U)	
9. z	e	14 35 56			
9. z	e	16 07 25	Spuren		
9. z	e	19 58 37			
9. z	e	22 40 27			
10. z	e	02 40 09			
10. z	e	03 13 36			
10. z	e	03 30 56			
10. z,n,e	iP	03 34 52.6D	1.4/41		
z	e	35 24			
z,n,e	e(FP)	37 01	48° MLH=5.0		
N	eS	41 55	Grenzgebiet		
N	eSS	45 50	Kaschmir - Indien	33.0N; 76.1E h= 21km H=03:26:08.4(U)	
N	e	50 26		33.1N; 76.1E 03:26:10 (M)	
N,E,V	eIm	59	t14 an1 ae1 av1.5		
10. z	iP	06 31 23.0	Grenzgebiet	40.5N; 77.4E h= 51km H=06:23:12.6(U)	
			Kirgisische SSR - Sinkiang	40.8N; 77.3E 06:23:13 (M)	
10. z	eP	18 16 53	Mittelmeer, S-lich von Kreta	34.1N; 25.6E H=18:12:23 (B)	
				34.2N; 25.8E h= 52km 18:12:28.7(U)	
10. z	e	19 49 20			
11. z	e	01 30 12			
z	i	30 19.6			
11. z	iP	03 03 13.2K	0.9/22		
11. z	e	03 12 36	Spuren		
11. n,e	e	03 53 22			
z,n,e	e	53 32			
11. z	e	03 56 20	Spuren		
11. z	ePKP	05 35 24	Santa-Cruz-Inseln		
11. z	eP	07 54 27	Riu-kiu-Inseln	11.2S; 165.9E h= 50km H=05:16:08.4(U)	
				26.1N; 126.6E h=129km H=07:42:13.4(U)	

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11. z	eP	09 52 31	Vor der E-Küste von Hondo, Japan	40.2N; 143.7E h= 33km H=09:40:27.3(U)	40.2N; 143.8E 09:40:28 (M)
11. z	eP	10 18 32	Grenzgebiet Kaschmir - Indien	32.8N; 76.0E h= 59km H=10:09:51.8(U)	33.0N; 76.2E 10:09:49 (M)
11. z	e	12 49 05			
11. z	iP	13 56 09.2K	Kaspisches Meer	42.5N; 48.5E h= 33km H=13:50:40.6(U)	42.6N; 48.5E 13:50:42 (M)
11. z,n,e	iP	16 55 00.8K	1.4/280		
z,e	e	55 17	Kurilen	44.8N; 149.0E h= 67km H=16:43:14.0(U)	45.1N; 148.9E 80 16:43:16 (M)
11. z,n,e	e	17 26 00			
11. z	iP	20 30 33.2K	1.9/72		
z	epP	30 57			
z	e(FP)	34 28	Peru	11.6S; 74.6W h= 98km H=20:17:08.1(U)	11.6S; 74.8W 20:17:00 (M)
11. z	e	23 31 15			
z	e	31 30			
12. z	eP	08 26 07	Samar, Philippinen	12.0N; 125.8E h= 53km H=08:12:50.8(U)	12.1N; 125.6E 55 08:12:53 (M)
12. z	ePKP	11 55 47	SE-indischer Rücken	49.2S; 108.9E h= 33km H=11:36:39.3(U)	
12. z	ePKP	13 28 09	Santa-Cruz-Inseln	12.0S; 166.4E h= 53km H=13:08:53.9(U)	
z	eFP	30 44			
12. z	e	13 55 08	W-Irian	4.6S; 140.4E h= 86km H=13:36:02.8(U)	4.2S; 140.7E 70 13:36:03 (M)
13. z	iP	00 07 47.7D	0.7/18		
13. z,n,e	iP	05 04 37.8K	0.7/47		
z,e	ePn	06 05	Unterirdische Kernexplosion,		
e	e	06 42	Gebiet von Semipalatinsk, Kasachische SSR	49.8N; 78.2E h= 0km H=04:56:57.3(U)	
13. z,e	e	11 22 42			
13. z	iP	17 34 27.5D			
13. z,e	eP	22 46 29	1.1/16		
z	epP	46 49	Grenzgebiet Burma - Indien	23.7N; 94.3E h= 63km H=22:35:44.2(U)	22.9N; 94.6E 22:35:36 (M)
14. N,E,V	eL	01 10			
N,E	eL	17	t18 an1.5 ae1		
V	eL	20			
14. z	e	10 48 53			
z,n,e	e	49 14			
14. z	iP	21 02 30.2K	1.7/38		
N,E	eIm	52	Negros, Philippinen	9.8N; 122.6E h= 14km H=20:49:10.1(U)	10.1N; 122.3E 20:49:15 (M)
14. z	iP	23 24 48.8K			
z,n,e	i	24 51.9D	1.7/125		
z	e	25 31			
z,n	e	26 47	W-Arabien	14.6N; 42.2E h= 33km H=23:16:47.6(U)	13.8N; 42.2E 23:16:42 (M)
14. z,n,e	iP	23 35 27.0D	1.5/87		
z	e	36 06			
z	e(FP)	37 21	W-Arabien	14.7N; 42.3E h= 33km H=23:27:25.9(U)	14.4N; 42.1E 23:27:24 (M)
15. z	eP	01 06 13	Naher der E-Küste von Hondo, Japan	35.4N; 140.1E h= 74km H=00:54:00.2(U)	35.6N; 140.2E 00:53:56 (M)
z	e	06 31			

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15. z	z,n,e	iPKP i e	01 28 23.5K 1.6/43 28 29.6 1.4/78 29 28	Gebiet der Fidschi-Inseln	17.9S; 176.5W h= 77km H=01:08:50.5(U) 18.0S; 176.3W 01:08:42 (M)
15. z	z	ePKP ₁ ePKP ₂	04 44 10 44 28	K 1.0/21 Kermadec-Inseln	29.0S; 178.6W h=200km H=04:24:28.8(U)
15. z,n,e	e		12 50 13		
15. z,n,e	N,E	iP e(PP) eS eLm	13 48 12.8K 2.0/88 50 19 60° 56.5	Zentraler Mittelatlantischer Rücken	0.6N; 26.1W h= 33km H=13:38:06.0(U) 1.0N; 25.7W 13:38:04 (M)
15. z		ePKP ₁	19 20 33	S-lich der Fidschi-Inseln	24.8S; 177.5W h=102km H=19:00:46.2(U)
15. z,e	z,n	e	22 32 53 33 17		
16. z	z,n,e	ePKIKP iPKP ₁ iPKP ₂ e	02 24 07 148° Mc=4.9 24 11.1D 0.8/70 24 15.2K 1.0/31 24 50	Gebiet der Fidschi-Inseln	20.3S; 177.9W h=550km H=02:05:26.8(U)
16. z	z	iP e	04 02 02.5D 1.6/35 02 46	N-lich von Island	66.6N; 18.4W H=03:57:08 (B) 66.5N; 18.0W h= 10km 03:57:10.8(U)
16. z	z	iP epP	05 01 39.9D 1.1/38 01 51	Kurilen	43.0N; 147.0E h= 38km H=04:49:44.2(U) 43.0N; 147.2E 04:49:43 (M)
16. z	z	eP e	07 48 31 50 02	E-Kaukasus	39.9N; 48.4E H=07:42:46 (B) 39.6N; 48.3E h= 58km 07:42:50.9(U) 39.5N; 48.3E 07:42:49 (M)
16. z		iP	10 18 01.2K 1.8/46	Gebiet von Island	66.3N; 17.8W h= 20km H=10:13:12.0(U)
16. z	z	eP epP e (oder zum vorigen Beben ?)	10 19 37 19 52 21 38	Kiuschu, Japan	30.2N; 131.0E h= 33km H=10:07:18.4(U) 30.7N; 130.8E 10:07:22 (M)
16. z	z	e	11 50 25 52 45		
16. z	z,n,e	eP e e ePPP	13 40 59 41 02 41 30 41 52	Transatlantische Seismische Zone	35.6N; 16.9W H=13:35:18 (B) 35.7N; 17.0W h= 33km 13:35:22.4(U) 36.1N; 17.0W 13:35:25 (M)
16. z	z	iP epP ePP	15 52 47.8 1.3/35 54 38 56 17	S-lich von Hondo, Japan	29.7N; 137.8E h=484km H=15:40:59.6(U) 30.2N; 137.7E 550 15:41:08 (M)
16. z	z	ePKP e	21 21 11 21 20	Fidschi-Inseln	18.7S; 178.5W h= 33km H=21:01:38.5(U)
16. z		eP	23 16 49	Spuren, Nahe der S-Küste von Hondo, Japan	34.4N; 139.6E h= 51km H=23:04:35.3(U)
17. z	z	eP i e	00 48 11 48 15.7D 48 25		
17. z		e(P)	02 56 49	Mittelmeer, S-lich von Kreta	34.0N; 26.1E H=02:52:13 (B) 34.3N; 26.1E h= 53km 02:52:19.6(U)

17. z,n,e	z	iPKP ₁ i e	05 19 06.4 0.8/44 19 16.6 19 28	S-lich der Fidschi-Inseln	23.5S; 179.3E h=435km H=05:00:08.0(U)
17. z,n,e	z,n,e,V	iP ePoP i e e e e e(S) e e e e N,E z z N,E,V	05 47 35.5 47 41 1.4/98 47 48.7K 47 59 48 35 52 24 81.5° MLH=6.0 52 56 57 55 58 24 59 24 06 08.0 17 42 18 20 07 30	N-Sumatra	5.3N; 95.9E h= 17km H=05:35:17.8(U) 5.0N; 95.8E 05:35:19 (M)
17. z,n,e	z	iPKP ipPKP ePP	08 01 03.2K 1.2/140 01 17.9 03 01	Salomonen	7.0S; 155.8E h= 67km H=07:42:06.7(U) 6.6S; 155.8E 60 07:42:07 (M)
17. z		e	08 14 18	Spuren	
17. z		eSg	08 55 21	Sprengung Erzberg, Steiermark	(W)
17. z		e	11 19 18	D	
17. z,e		iP	13 42 30.2 0.9/15	S-Iran	27.0N; 58.2E H=13:34:37 (B) 27.9N; 57.1E h= 33km 13:34:53.5(U) 27.7N; 57.2E 13:34:52 (M)
17. z	z	iPKP ₁ iPKP ₂ epPKP	14 00 31.0K 1.3/48 00 38.1 1.3/25 02 55 149° Mc=4.7	S-lich der Fidschi-Inseln	22.2S; 179.8W h=618km H=13:41:49.5(U)
17. z		eP	16 02 25 1.3/18		
18. z		e	00 05 02		
18. z,n,e	z,n,e	iPg iSg eLm	00 33 49.7 34 04.2 34 16		
18. z	z	iPKP ePP e	00 41 53.2D 1.3/17 43 32 45 53	Gebiet von Neu-Britannien	5.1S; 151.3E h=125km H=00:23:11.3(U) 4.9S; 151.4E 60 00:23:04 (M)
18. z	n,e	ePg eSg e	05 23 42 230km W-Polen 24 10 24 15		
18. z		eP	06 25 18	Gebiet der Philippinen	19.1N; 121.3E h= 33km H=06:12:38.5(U) 19.2N; 121.4E 06:12:39 (M)
18. z		e	07 08 18	Spuren	
18. z		eP	08 36 02	Grenzgebiet Kaschmir - Tibet	35.7N; 79.7E h= 33km H=08:27:14.0(U) 35.6N; 79.8E 08:27:08 (M)
18. z		e	11 24 11		
18. z	z	ePKP e i	12 02 26 02 40 02 57.8	Tonga-Inseln	17.9S; 173.6W h= 34km H=11:42:46.5(U)
18. z		iP	13 16 14.3D	Tyrrhenisches Meer	39.2N; 16.0E h=205km H=13:13:25 (B)

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18. z	ePKP	13 52 55	Spuren, Gebiet der Loyalty-Inseln	22.3S;170.9E	h=156km	H=13:33:29.3(U)	
18. z,n,e	e	19 36 31					
19. z,n,e,V	iPKP	02 33 46.7D	2.8/280				
z,V	eFP	36 20					
n,e,N,E,V	ePKS	37 17					
z,n	ePPP	39 10	134.5°				
N,E	e	53					
N,E	eL	03 28		11.8S;164.8E	h= 33km	H=02:14:29.6(U)	
N,E,V	eLm	41	Gebiet der Santa Cruz-Inseln	11.8S;164.7E		02:14:25 (M)	
19. z	e	04 16 42					
19. z,n,e	e	04 19 13					
19. z	e	07 30 52					
19. z	iP	08 09 37.6	S-Iran	26.8N; 58.3E		H=08:01:44 (B)	
				28.6N; 57.0E	h= 61km	08:02:08.4(U)	
				27.9N; 57.0E		08:02:01 (M)	
19. z	iP	12 54 05.8D	1.1/22	28.5N; 57.4E	h= 95km	H=12:46:37 (B)	
			S-Iran	28.2N; 57.2E	33	12:46:31.1(U)	
				27.7N; 57.1E		12:46:27 (M)	
19. z	e	14 40 19					
19. z	iP	23 18 27.7D	1.0/15	46.9N;152.7E	h= 33km	H=23:06:40.9(U)	
			Kurilen	46.7N;152.9E		23:06:41 (M)	
20. z	ePKP	02 49 40	Loyalty-Inseln	21.2S;168.8E	h= 32km	H=02:30:05.8(U)	
20. z,n,e	iPKP	03 03 18.5K	1.6/78				
z	ipPKP	03 28.7	Loyalty-Inseln				
20. z	iPKP	03 10 30.6K	1.0/28	21.0S;168.6E	h= 33km	H=02:43:46.1(U)	
			Loyalty-Inseln				
20. z	e	03 22 33		21.1S;168.6E	h= 26km	H=02:51:04.2(U)	
z	e	22 44					
20. z	iPKP	03 46 43.2K	1.0/17				
z	ipP	46 53.1					
20. z	iPKP	06 32 01.1D	1.0/13				
z	ipPKP	32 10.8	Loyalty-Inseln				
20. z	iP	12 36 33.0	1.3/22	21.0S;168.6E	h= 33km	H=06:12:29.0(U)	
20. z,n,e	eSg	14 00 01					
20. z	eP	14 32 44	Vor der E-Küste von Kamtschatka	53.6N;161.5E	h= 33km	H=14:21:19.4(U)	
20. z,n,e	iP	20 12 18.4K	1.7/68				
z	e	12 39					
z	eFP	15 25	Unterirdische Kernexplosion, Nevada - Testort	37°07'39.53"N;116°03'41.64"W		h= 0km H=20:00:00.2(U)	
20. z	eP	20 32 10		24.7N;141.5E	h= 96km	H=20:19:12.5(U)	
z	epP	32 36	Spuren, Gebiet der Vulkan-Inseln	24.9N;141.6E	100	20:19:14 (M)	
21. z	e(P)	01 15 47	D 1.7/36	8.4N; 58.4E	h= 33km	H=01:05:59.4(U)	
z	e(FPP)	19 00	Carlsberg-Rücken	8.6N; 58.6E		01:06:02 (M)	

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21. z	e(P)	01 26 14	1.6/33				
z	e(FP)	28 26	Carlsberg-Rücken	8.5N; 58.4E	h= 33km	H=01:16:27.1(U)	
				8.5N; 58.4E		01:16:27 (M)	
21. z	e	01 58 15	Spuren				
21. z,n,e	e	04 10 55					
21. z,n	e	07 20 30					
21. z,n,e,N,E,V	iP	11 04 42.7D	N,E 1.0/(3800)				
N,V	i	04 45.8	t1.4			av4.5	
z,n,N,E,V	ipP	06 37					
N,V	eFP	07 35	71° h=560km				
n,e,N,E	eS	13 17	Ochotskisches Meer	51.9N;151.6E	h=554km	H=10:54:17.7(U)	
N,E	o(SS)	16 42		51.9N;151.8E	550	10:54:16 (M)	
N,E	e(SSS)	22	t20 an21 ae7.5				
21. z	e(P)	11 34 24					
21. z	e	12 04 47					
21. z,n	eP	12 56 38	Gebiet von Island	66.2N; 16.5W	h= 33km	H=12:51:53.7(U)	
21. z,n,e	iP	15 41 28.9K,S	1.2/35	35.7N; 26.7E	h=103km	H=15:37:18 (B)	
			Ägäisches Meer	34.8N; 27.1E	66	15:37:05.7(U)	
21. z	eP1	16 11 13	14° MTH=5.6				
z,n,e	eP2	11 18					
z,V	iP3	11 23.2	1.4/190	38.4N; 21.6E		H=16:07:50 (B)	
z	i	11 55.6	Griechenland	38.7N; 21.9E	h= 33km	16:07:55.8(U)	
n,e,N,E	eS3	14 18		38.4N; 21.3E		16:07:53 (M)	
N,E	eLm	16	t10 an11.5 ae27				
N,E,V	eL	17	t13 an14.5 ae18.5 av29.5				
21. z	iP	18 18 47.2	1.7/32				
			Grenzgebiet Peru - Ecuador	3.8S; 77.4W	h= 87km	H=18:05:40.6(U)	
21. z	e	21 08 50	Griechenland	38.5N; 21.9E		H=21:05:17 (B)	
				38.7N; 22.0E	h= 33km	21:05:20.7(U)	
21. z	iP	21 48 16.3D	1.6/43	44.6N;150.2E	h= 33km	H=21:36:22.7(U)	
			Gebiet der Kurilen				
22. z	e	01 53 33					
22. z	eP	03 56 21	Spuren				
22. z,n,e	e	08 54 49					
22. z	e	10 39 46					
22. z	e	13 56 10					
22. z	eP	17 07 41	Vor der E-Küste von Kamtschatka	53.6N;161.5E	h= 33km	H=16:56:18.6(U)	
23. n,e	e	00 07 45					
23. z	e	00 45 12					
23. z	iPKP	01 00 40.3	1.0/48				
z	e	02 27	Gebiet der Fidsohi-Inseln	18.1S;178.4W	h=622km	H=00:42:08.2(U)	
23. z	eP	03 50 18	Atlantisch-Indischer Rücken	39.8S; 46.0E	h= 33km	H=03:36:53.5(U)	

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23. z,n,e	IP	06 23 06.2K 2.2/100	Gebiet von Island	66.3N; 16.0W h= 33km H=06:18:24.9(U)
23. z	e	07 12 57		
23. z,n,e	IPKP ipFKP	10 08 59.6K 1.7/69 09 10.7	Loyalty-Inseln	21.0S; 168.5E h= 33km H=09:49:27.2(U)
23. z	IPKP ₂	12 30 16.1K	Gebiet der Kermadec-Inseln	31.5S; 178.1W h=410km H=12:10:20.1(U)
23. z	e	12 42 57		
23. z,n,e	ISg	15 32 58.0		
23. z,n,e	e(P) eL	15 45 07	Island	64.2N; 21° W H=15:40:05 (B) 63.9N; 22.2W h= 33km H=15:40:06.8(U)
23. z	eP	16 04 54	S-atlantischer Rücken	12.4S; 14.7W h= 33km H=15:53:56.6(U)
23. z,n,e	eP eL	16 11 53	K 1.5/36 Island	64.0N; 22° W H=16:06:50 (B) 64.3N; 21.6W h= 33km H=16:06:57.5(U)
23. z,n,e	IP eL	16 33 07.2	Island	65.0N; 21.3W h= 33km H=16:28:09.8(U)
23. z,e	ePg eSg	18 22 56 23 23	W-Polen	
23. z	i	19 01 29.4	Spuren	
24. z,n,e	eP e eLm	09 38 40 38 52 47	2.0/130 N-lich von Island	66.0N; 17.1W h= 10km H=09:33:56 (B) 66.1N; 16.7W 33 09:33:56.9(U) 66.1N; 16.1W 09:33:58 (M)
24. z,e	e	11 11 52		
24. z	eP	11 42 43	S-Iran	
24. z,n,e,E,V	IP ePP eS eSS eL eLm	11 56 31.2K,W 1.8/270 58 08 12 02 36 05 43 13 15	40° MLH=5.5 t20 an3 ae5 t18 an5.5 ae2.5 av4.5 Laristan, Iran	26.8N; 55.5E h= 33km H=11:35:07.1(U)
24. z,n	eP	14 48 56		26.9N; 55.6E H=11:48:51 (B) 27.0N; 55.5E h= 33km H=11:48:56.8(U) 27.3N; 55.5E 60 11:49:01 (M)
24. z	e	14 54 51 56 05		
24. z	eFKP e ePP e eSKP e eLm	15 16 50 16 56 19 07 19 20 20 06 20 22 32.4	2.0/53 Salomonen	
24. z	ePKP	16 49 03	Neue Hebriden	
24. z,n	eP e	17 08 35 08 42	SW-Küste von Griechenland	15.4S; 167.4E h=120km H=16:29:50.4(U)
24. z,n,e	IP eL	17 45 49.6K 2.7/195 55	Gebiet von Island	36.7N; 21.7E H=17:04:45 (B) 37.3N; 22.3E h=110km H=17:05:00.2(U) 36.6N; 22.2E 17:04:48 (M)
				66.0N; 16.7W h= 10km H=17:41:02.5(U)

24. z	eP	18 48 08	Laristan, Iran	26.9N; 55.6E H=18:40:28 (B) 27.0N; 55.6E h= 33km H=18:40:32.9(U) 26.6N; 55.5E 18:40:30 (M)
24. z,n,e	IP i	18 59 54.8K 1.2/105 19 01 24.1	Kurilen	45.4N; 151.5E h= 45km H=18:48:04.5(U) 46.0N; 150.9E 40 18:48:08 (M)
24. z,n,e	eP	20 02 45	1.5/50 Laristan, Iran	27.0N; 55.7E H=19:55:05 (B) 27.1N; 55.5E h= 33km H=19:55:11.0(U) 27.0N; 55.5E 19:55:10 (M)
24. z	eP	21 11 48	Laristan, Iran	27.0N; 55.4E H=21:04:09 (B) 27.0N; 55.5E h= 33km H=21:04:13.1(U) 26.8N; 55.5E 21:04:10 (M)
24. z	eP	23 44 29	1.1/14 Fuchs-Inseln, Aleuten	52.4N; 168.7W h= 33km H=23:32:39.6(U) 52.0N; 168.6W 23:32:37 (M)
25. z,n,e	e	01 30 13		
25. z	IP	05 23 29.0D		
25. z,n,e	IP ePn	05 24 39.1K,S,W 26 11	Unterirdische Kernexplosion, Gebiet von Sempalatinsk, Kasachische SSR	50.0N; 78.9E h= 0km H=05:16:57.2(U)
25. z,n,e	eP	05 49 04	2.3/110 Gebiet von Island	66.1N; 16.9W h= 10km H=05:44:17.3(U)
25. z	i	10 15 45.0		
25. z,n,e	IP	15 48 21.4K 1.2/88	Kurilen	45.4N; 151.4E h= 48km H=15:36:31.5(U) 45.6N; 151.1E 65 15:36:34 (M)
25. z	eP epP	15 57 38 57 53	Luzon, Philippinen	17.4N; 120.1E h= 56km H=15:44:56.6(U) 17.4N; 120.2E 15:44:54 (M)
25. z,n,e	IP	16 12 06.3K 1.2/120	Kurilen	45.4N; 151.4E h= 46km H=16:00:16.3(U) 45.4N; 151.5E 16:00:14 (M)
25. z	IPKP ₁ IPKP ₂	17 51 11.9D 1.1/44 51 22.3K	S-lich der Fidschi-Inseln	24.6S; 179.0E h=541km H=17:32:19.0(U)
25. z	eP ipP	21 50 13 50 24.8	Vor der Küste von Hokkaido, Japan	42.8N; 147.3E h= 41km H=21:38:15.9(U) 43.0N; 147.6E 21:38:10 (M)
25. z,n,e,N,V	IP i eS eLm F	22 09 20.4K 1.8/170 09 26.0 13 20 19 30	21° MLH=5.2 t15 an5 ae5 av6 N-lich von Island	66.3N; 16.7W H=22:04:32 (B) 66.1N; 16.4W h= 10km H=22:04:35.1(U) 66.3N; 16.3W 22:04:34 (M)
25. z,n,e,V	eP	23 37 10	2.0/79	
26. z	e i IPKP epPKP e ePP isPP ePPP eSKS esSKS ePKKP ePS e eSPP e(PFS)	37 48 40 44.9 40 54.7K 1.8/170 41 24 42 04 42 30 42 44 44 35 47 38 48.4 51 20 51 46 52 26 52 47 53.5	D,N,E 4.2/3300 t14 an3.4 ae4.5 av10.0 116.5° h=100km MPPH ₁ =6.8 MPFV ₁ =6.9 MLH=6.9 (nicht tiefenkorrigiert) Papua, Neuguinea	4.1S; 142.0E h=115km H=23:22:21.7(U) 4.0S; 142.5E 115 23:22:21 (M)

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Voraussetzung

N	ePSPS	23 58.7			
Z	eS6PPKP	59 20			
Z	ePKPKPK	59 57			
E	eSSS	00 01.8			
N,E	e	06.8	t17 an18.5 ae11		
N,E	eIm	24	t22 an24.5 ae12.5 av25		
N,E,V	eL	31			
	F	02 30			
26. z	i	00 05 19.1	1.0/17		
26. z,n,e	iP	00 55 14.1D	2.2/240		
			Gebiet von Island	66.1N; 16.8W h= 33km	H=00:50:31.3(U)
26. z,n,e	e	02 13 46			
26. z	iPKP	03 28 56.4K	Loyalty-Inseln	21.0S; 168.6E h= 31km	H=03:09:22.9(U)
z	ipPKP	29 05.2	1.1/20		
26. Z	eP	05 54 21	Laristan, Iran	26.7N; 55.6E h= 33km	H=05:46:38 (B) 26.9N; 55.4E h= 33km 05:46:43.6(U) 28.8N; 54.8E 05:46:54 (M)
26. z	i	07 29 11.3D			
26. z	e	09 02 10	Loyalty-Inseln	21.1S; 168.9E h=123km	H=08:42:26.7(U)
26. z,n	eP	09 28 58	1.5/32		
			Gebiet von Island	66.1N; 16.4W h= 33km	H=09:24:16.5(U)
26. z	iP	10 50 18.6D	1.2/28		
z	i	50 29.9			
z	e	50 39	Kurilen	43.2N; 147.2E h= 40km	H=10:38:23.6(U) 43.0N; 147.4E 10:38:19 (M)
26. z	iPKP	12 12 40.7K	1.7/45		
z	ipPKP	12 50.9D	Loyalty-Inseln	21.0S; 168.6E h= 33km	H=11:53:06.7(U)
26. z,n,e,N,E,V	ePKP	16 16 12 D	t15 an11 ae2.5 av42		
z,n,e	i	16 15.0	1.9/780		
z,n	i	16 23			
z	i	16 38	145° MIH=7.9		
z,n,N,E,V	i	16 48			
z,n,e,W,N,WE	e	19 59	t18 an30 ae11 av129		
z	ePKS	20 21			
z	i	21 32.0	Gebiet der Samoa-Inseln	16.3S; 172.5W h= 33km	H=15:56:38.7(U) 16.0S; 172.3W 15:56:41 (M)
z	e	23 43			
z	e	27 51			
z	e(PB)	30 50			
N,E,V	eIm	17 28			
	F	21 30	t18 an(170) ae54 av175		
26. z,n,e	iP	17 01 23.6K	1.8/68		
			N-lich von Island	66.1N; 17.0W H=16:56:35 (B)	
26. z	i	18 03 20.1	Spuren	66.1N; 16.9W h= 10km	16:56:37.1(U)
26. z	e	18 28 57			
26. z,n,e	iPKP	18 31 47.2K	1.2/42		
z	i	32 03.0			
z,n	e	33 03			
z	ePP	35 10	Gebiet der Samoa-Inseln	16.1S; 172.9W h= 33km	H=18:12:12.1(U)
26. z	e	18 42 34	Gebiet der Samoa-Inseln	16.6S; 172.3W h= 33km	H=18:22:45.4(U)
26. z	e	19 07 31			
26. z	ePKP	19 26 22	Gebiet der Samoa-Inseln	15.2S; 172.3W h= 33km	H=19:06:50.5(U)

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26. z	iPKP	20 26 57.1D	Gebiet der Samoa-Inseln	16.1S; 172.7W h= 38km	H=20:07:21.6(U)
26. z	eP	20 36 32 K	1.5/22		
			N-lich von Island	66.0N; 17.2W H=20:31:48 (B)	
				66.2N; 17.1W h= 33km	20:31:48.0(U)
26. z	e	20 54 25			
26. z,e	iPKP	21 24 56.1K	1.1/35		
			Gebiet der Fidschi-Inseln	17.7S; 178.8W h=588km	H=21:06:22.3(U)
26. z	e	22 12 03			
z	e	13 22			
27. z	iPKP	01 53 42.3K	Gebiet der Samoa-Inseln	16.6S; 172.4W h= 33km	H=01:34:06.8(U)
27. z	e	03 04 38			
27. z,n,e	ePn	04 33 30	760km		
z,n,e	ePg	34 03			
z	eSn	34 42			
n	i	34 46.0	Emilien, Italien	44.4N; 11.9E H=04:31:47 (B)	
n,e	e	34 56		44.5N; 11.9E h= 34km	04:31:50.5(U)
n	i	35 06.1			
z,n,e	iSg	35 36			
n	iL	35 53			
27. z	eP	05 37 26	Kurilen	43.2N; 147.2E h= 38km	H=05:25:29.8(U)
z	epP	37 36		43.1N; 147.1E	05:25:24 (M)
27. z	eP	05 45 13 D	Vor der E-Küste von Hondu, Japan	39.7N; 143.3E h= 33km	H=05:33:08.2(U)
				40.0N; 143.1E	05:33:10 (M)
27. z	e	07 11 46	Spuren		
27. z,n,e	iP	07 53 50.1D	1.1/40		
z	i	53 51.9	1.1/80		
z,e	i	54 01.1			
z	i	54 38.6	78° MIH=6.1		
z	e	56 26			
E	eS	08 03 40	Kurilen	43.1N; 147.2E h= 39km	H=07:41:54.3(U)
z,e	ePPS	04 40		43.0N; 147.4E	07:41:47 (M)
N,E	eL	25			
N,E,V	eIm	33	t22 an3.5 ae4.5		
			t14 an5.5 ae3 av5.5		
27. z	iPKP ₁	09 23 43.7K	1.1/23		
			S-lich der Fidschi-Inseln	23.7S; 180° h=476km	H=09:04:46.3(U)
27. z	iP	09 43 10.8D	1.2/25		
z	e	45 49	Gebiet des Hindukusch	36.1N; 69.4E h=156km	H=09:35:30.0(U)
				36.5N; 69.4E 140	09:35:31 (M)
27. z	ePKP	10 39 32	Spuren, Tonga-Inseln	16.1S; 173.1W h= 33km	H=10:19:59.5(U)
27. z	e	10 48 05	Spuren		
27. z	iPKP ₁	12 13 32.9K	1.6/53		
			Tonga-Inseln	21.5S; 174.0W h= 37km	H=11:53:45.8(U)
27. z,n,e	e	12 16 16			
z,n,e	eSg	17 03			
27. z	i(pP)	13 02 52.7D	Vor der Küste von Hokkaido, Japan	42.7N; 147.3E h= 68km	H=12:50:46.3(U)
27. z	e	13 07 19			
27. z	e	14 10 18			
z	e	12 04			
27. z	e	14 26 43	Spuren		

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27. z	ePKP	15 15 56	Tonga-Inseln	16.2S;174.0W h=173km H=14:56:39.0(U)
27. z	eP	17 15 40	1.3/22	43.2N;147.1E h= 44km H=17:03:46.4(U)
z	epP	15 50	Kurilen	43.4N;146.9E 17:03:46 (M)
27. z	eP	20 55 23	Vor der Küste von	42.8N;147.2E h= 58km H=20:43:27.8(U)
z	e	55 33	Hokkaido, Japan	
27. z	epPKP	21 00 41	Gebiet der Samoa-Inseln	16.1S;172.6W h= 31km H=20:40:56.7(U)
27. z	ePKP	23 52 31	1.5/40	15.3S;171.9W h= 33km H=23:32:59.8(U)
z	e	53 08	Gebiet der Samoa-Inseln	15.4S;171.7W 23:33:00 (M)
27. z	iPKP	23 54 13.1K	1.5/35	
z	e(PF)	55 41		
z	e	56 44	Gebiet der Samoa-Inseln	15.2S;171.9W h= 33km H=23:34:38.4(U)
28. z	ePKP	00 30 07	Gebiet der Samoa-Inseln	15.2S;171.9W h= 18km H=00:10:33.3(U)
28. z	e	02 36 39	2.0/49	15.1S;178.0W h= 62km H=02:17:00.5(U)
			Gebiet der Fidschi-Inseln	15.2S;177.1W 02:16:56 (M)
28. z	e	02 38 52		
28. z	e	07 40 13		
28. z	eP	11 08 39	Gebiet von Island	66.2N; 16.6W h= 10km H=11:03:51.5(U)
z	e	09 02		
28. z	eP	15 18 25	Spuren, Fuchs-Inseln, Aleuten	52.3N;168.3W h= 29km H=15:06:35.1(U)
28. z	eP	15 38 31	104°	
z	e	38 48		
z	epP	39 17		
z	e	41 35	Gebiet der Insel Bali	8.0S;115.1E h=196km H=15:24:50.8(U)
z,n,e	e(PKP)	42 41		7.9S;115.2E 160 15:24:47 (M)
z	e	44 33		
28. z	eP	16 41 46	Naher der E-Küste von Hondo, Japan	37.5N;141.5E h= 57km H=16:29:38.2(U)
28. z	i	21 02 23.8		37.5N;141.6E 16:29:34 (M)
28. z,n,e	eSg	22 05 50	SW-lich von Wiener Neustadt, Österreich	47.7N; 15.7E h= 0km H=22:03:46 (B)
28. z	iP	22 37 29.2	1.4/27	47.2N; 16.2E 33 22:03:40.6(U)
29. z	epP	01 30 58	Mittelindischer Rücken	15.8S; 67.3E h= 23km H=22:25:09.8(U)
			Spuren, Burma	15.8S; 67.3E 22:25:08 (M)
29. z	iPKP ₁	02 54 43.6D	1.0/40	26.5N; 97.1E h= 58km H=01:20:02.9(U)
z	iPKP ₂	54 52.9		26.0N; 97.3E 01:19:55 (M)
29. z	e	02 59 42	S-lich der Fidschi-Inseln	23.4S;178.9E h=405km H=02:35:41.9(U)
29. z,n,e	iPKP	03 58 47.2K	1.1/60	
z	e	58 55		
z	epP	00 43		
z,V	e	01 07	127°	MIH=6.8
N,E,V	ePKS	02 10		
E	e(SKS)	06 10		
N,E	eSKKS	07 50		
E	e	08 25	Drake-Straße	
V	ePS	11 00		
z	ePKKS	12 04		
				56.8S; 68.5W h= 14km H=03:39:43.0(U)
				57.2S; 70.6W 03:39:44 (M)

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Fortsetzung

V	ePFS	04 12 36		
V	e	13 40		
N,E	eSS	18 20		
N	eSSS	23.4		
N,E	eSSSS	26.0		
N,E,V	eLm	53	t19 an10 ae17 av23.5	
N,E,V	eL	05 04	t16 an5 ae12.5 av16.5	
29. z,n,e	eP	05 18 43	1.4/47	
z	ePP	21 11	Burma	26.8N; 97.2E h= 48km H=05:07:59.2(U)
n	e	29 13		26.6N; 97.3E 20 05:07:55 (M)
N,E	eLm	45	t20 an11 ae4	
N,E	eL	48	t20 an10 ae4.5	
F	F	06 30		
29. z,n,e	iPg	05 26 51.4	530km	
z	e	27 14		
z,n,e	i	27 51.3	Schweiz	47.2N; 9.1E H=05:25:19 (B)
z,n,e	eSg	27 58		47.3N; 9.2E h= 9km 05:25:17.7(U)
29. z	ePKP	09 49 08	1.5/29	
			Drake-Straße	56.8S; 68.5W h= 38km H=09:30:07.3(U)
				56.8S; 67.2W 09:30:08 (M)
29. z,n,e	eP	10 49 45	D 2.2/62	
29. z,n,e	iP	10 49 58.4	2.8/300	
N	eS	54 00	21° MIH=4.7	
N,E,V	eLm	58	t16 an2 ae2 av2.5	66° N; 16 3/4° W H=10:45:09 (B)
			N-lich von Island	66.0N; 16.9W h= 14km 10:45:11.4(U)
				65.1N; 17.2W 10:45:06 (M)
29. z	ePKP	16 48 24	Gebiet von Neu-Irland	5.0S;153.9E h=104km H=16:29:37.9(U)
				4.8S;153.9E 16:29:31 (M)
29. z	e	16 54 43		
29. z	epPKP	21 43 41	Gebiet der Samoa-Inseln	16.0S;172.7W h= 35km H=21:24:01.3(U)
29. z	iPKP	22 43 46.1K	1.1/29	
			Gebiet der Fidschi-Inseln	17.4S;177.1W h=388km H=22:24:52.4(U)
29. z,n,e	e	23 14 17		
29. z	e	23 47 07	Spuren	
30. z	eP	01 17 11	Laristan, Iran	(26.8N; 56.4E h= 0km H=01:09:26 (B))
				oder 27.0N; 55.5E 60 01:09:40 (B)
				26.8N; 55.5E 29 01:09:35.4(U)
				26.6N; 55.5E 01:09:34 (M)
30. z	ePKP	02 49 09	Gebiet der Samoa-Inseln	15.7S;172.5W h= 69km H=02:29:40.9(U)
30. z	iP	03 46 15.4K		
30. z	eP	04 22 11	Naher der E-Küste der E-lichen UdSSR	42.0N;133.7E h=451km H=04:11:23.1(U)
30. z	e	07 33 54		
30. z	eP	07 54 14	1.9/45	
30. z	eP	09 08 47	Burma	18.1N; 96.4E h= 33km H=08:57:24.1(U)
z	e	09 35		17.8N; 96.8E 08:57:22 (M)
30. z	iP	14 41 13.2	1.6/80	
z	e	41 21		38.6N; 40.5E h= 6km H=14:36:41 (B)
z	e	42 35	E-Anatolien, Türkei	38.5N; 40.5E h= 6km 14:36:03.7(U)
				38.8N; 40.6E 14:36:09 (M)

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30. z	iP	15 08 24.3D	0.8/22			
30. z	iP	15 10 13.8	2.0/90	66.2N; 16.9W	H=15:05:29 (B)	
			N-lich von Island	66.2N; 16.5W h= 10km	15:05:27.9(U)	
30. z	eP	16 05 26	E-Anatolien, Türkei	38.4N; 40.3E	H=16:00:20 (B)	
				38.4N; 40.3E h= 15km	16:00:18.0(U)	
				38.6N; 40.2E	16:00:22 (M)	
31. z	e	03 22 15	Spuren			
31. z	e	03 29 52				
31. z	e	03 48 06				
31. z	e(P)	06 37 34	Mittelgriechenland	38.4N; 21.8E	H=06:34:02 (B)	
				38.6N; 22.0E h= 54km	06:34:07.4(U)	
31. z	iPKP	07 33 54.7D	0.8/28			
31. z	i(P)	07 48 21.9	0.6/16			
31. z	eP	08 48 41	Gebiet von Island	66.2N; 16.6W h= 33km	H=08:43:55.5(U)	
31. z,n,e	iP	09 49 11.3	1.8/90			
z,n,e	e	49 17	1.9/220			
z,n,e	ePPP	49 28	14.5° MIH=5.9			
e	eS	51 54		38.4N; 21.7E	H=09:45:44 (B)	
e,E	eSS	52 13	Mittelgriechenland	38.6N; 21.8E h= 19km	09:45:47.7(U)	
z,n	e	52 18		38.5N; 21.7E	09:45:48 (M)	
N,E	eIm	54.3	t13 an27 ae63			
N,E,V	eIm	55.2	t14 an55 ae49 av48			
31. z,n,e	iPg	10 35 57.3	Sprengung			
N,E,V	i	35 59				
z,n,e	i	36 25.8				
31. z	e	13 10 41	Spuren			
31. z,n	e(P)	13 54 48	1.4/20			
z,e	e	55 04		38.5N; 21.8E	H=13:51:20 (B)	
n,e	eSS	57 52		38.5N; 21.7E h= 24km	13:51:20.2(U)	
z,n,e	eIm	59.3	Mittelgriechenland	38.3N; 21.3E	13:51:20 (M)	
31. z	iP	14 24 25.2K	1.0/40			
z	e	24 45	Gebiet von Hokkaido, Japan	41.6N; 142.0E h= 71km	H=14:12:35.9(U)	
				42.1N; 141.9E	60 14:12:37 (M)	
31. z	e	14 27 08				
31. z	i(P)	14 57 10.2	1.1/14			
z	e	57 31		38.4N; 21.8E	H=14:53:38 (B)	
z	e	15 00 49	Mittelgriechenland	38.4N; 21.6E h= 39km	14:53:41.6(U)	
31. z	e	15 06 49	Griechenland	38.4N; 21.5E	H=15:03:09 (G)	
31. z	eP	15 18 10	Mittelgriechenland	38.5N; 21.9E	H=15:14:38 (B)	
z,n,e	eSS	21 16		38.5N; 22.0E h= 33km	15:14:41.8(U)	
31. z	eP	22 58 16	Spuren, Mittelgriechenland	38.5N; 21.8E	H=22:54:46 (B)	
				38.3N; 21.8E h= 44km	22:54:47.1(U)	

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H. Merkel