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International Seismological Centre
Quetta

QUARTERLY SEISMOLOGICAL BULLETIN OF PAKISTAN

Vol. 10 **January to March 1964** **No. 1**

Issued under the authority of the Director

PAKISTAN METEOROLOGICAL SERVICES

GEOPHYSICAL CENTRE

QUETTA

PRINTED BY THE MANAGER, PRINTING CORPORATION OF PAKISTAN PRESS, KARACHI.
1976

International Seismological Centre

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The Seismological Bulletin of Pakistan is a quarterly publication containing data of Seismological Stations of Pakistan.

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Corrigenda

January ------ March

Page 1 column 3 Read 30.11N instead of 30.117N

Page 3 column one dated 1 Jan Read Δ= 70.6 instead of Δ= 70° 6

Page 6 column two dated 5 Jan Read 51.1N instead of 51.2N

Page 6 column two dated 5 Jan Read eSCSE instead of eSCS

Page 7 column two dated 7 Jan Read FOX instead of DOX

Page 7 column two dated 7 Jan Read 80 kms instead of 180 kms.

Page 14 column two dated 19 Jan Read 07 00 03.3 instead 07 00 .033

Page 15 column one dated 19 Jan Read CGS instead CSG

Page 16 column one dated 22 Jan Read 15 58 46,5 instead 15 546,5

Page 16 colmn two dated 23 Jan Read Hebrides instead Herbrides

Page 19 column one dated 28 Jan Read 56 instead of 46

Page 20 column one dated 28 Jan Read CGS instead GCS

Page 20 column one dated 29 Jan Read HOKKAIDO instead of Hokkaide

Page 20 column two dated 30 Jan Read 12 52 29.4d instead 12 52 59.4d

Page 21 column one dated 30 Jan Read 5.3 instead of 5.3

Page 31 column one dated 1 Feb. Read 27.5N instead 27.4N

Page 41 column one dated 18 Feb Read 45.0N instead 45° .0N

Page 48 column/dated two 6 Feb Read 20 08 59 instead of 20 66 59

Page 51 column two dated 25 Feb Read 01 19 10 ± instead of 10 19 10

Page 52 column two dated 2 Feb Read 52.8 instead 2.8

Page 52 column two dated 3 Feb Read 16 16 46.8 instead 16 16 06.8

Page 14 column two dated 19 Jan Read 07 00 03.3 instead 07 00 .033

Page 15 column one dated 19 Jan Read CGS instead CSG

Page 16 column one dated 22 Jan Read 15 58 46.5 instead 15 546.5

Page 16 colmn two dated 25 Jan Read Hebrides instead Herbrides

Page 19 column one dated 28 Jan Read 56 instead of 46

Page 20 column one dated 28 Jan Read CGS instead GCS

Page 20 column one dated 29 Jan Read HOKKAIDO instead of Hokkaide

Page 20 column two dated 30 Jan Read 12 52 29.4d instead 12 52 59.4d

Page 21 column one dated 30 Jan Read 5.3 instead of 5.3

Page 31 column one dated 1 Feb. Read 27.5N instead 27.4N

Page 41 column one dated 18 Feb Read 45.0N instead 45 .0N

Page 48 column/dated 6 Feb Read 20 08 59 instead of 20 66 59 (two)

Page 51 column two dated 25 Feb Read 01 19 10 ± instead of 10 19 10

Page 52 column two dated 2 Feb Read 52.8 instead 2.8

Page 52 column two dated 3 Feb Read 16 16 46.8 instead 16 16 06.8

Page 57 colum two dated 3 March Read 7.1° instead 70.1

Page 59 column one dated 4 March Read 41.5 instead 2241.5

Page 59 column one dated 4 March Read 22 44 59.8 instead of 44 59.8

Page 60 column two dated 7 March Read 130.3E instead 130.33E

Page 64 column one dated 14 March Read 92.1E instead 91.1E

Page 71 column two dated 24 March Read USCGSH 14 41 55*instead of USCGSH 44 155

Page 73 column two dated 27 March Read 15.0 instead of 15

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SEISMOLOGICAL BULLETIN
of
PAKISTAN

Pakistan Meteorological Services, Geophysical Centre, Quetta.

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Particulars of Stations and Instruments

(a) Stations

Station	Symbol	Latitude	Longitude	Height (a.s.l.)	Ground
Quetta	Qt	30°117′N	66° 57′E	1721 meters	Cretaceous Limestone
Lahore ..	Lh	31° 33′N	74° 20′E	210 „	Alluvium
Karachi ..	Kr	24° 50′N	67° 02′E	30 „	Alluvium
Chittagong ..	Ch	22° 21′N	91° 49′E	35 „	Alluvium
Warsak ..	Wr	34° 09′N	71° 25′E	343 „	River Terrace

(b) Instruments

Instruments	Components	Period Sec. To	Period Sec. Tg	Damping	Max. Magnification
Quetta					
Sprengnether ..	Z	1.9	1.9	Critical	5,500
„	N	15.8	15.8	„	15,000
Benioff	Z	1.0	0.77	„	2,00,000
„ ..	N	1.0	0.76	„	2,00,000
„	E	1.0	0.77	„	2,00,000

Instruments	Components	Period Sec. To	Period Sec. Tg	Damping	Max. Magnification
Sprengnether ..	Z	30.1	100.0	Critical	3,000
,, ...	N	30.3	100.0	,,	3,000
,, ...	E	30.2	100.0	,,	3,000
Willmore ..	Z	1.0	0.25	—	—
Sprengnether ..	F	1.0	6.0	—	—
Pen recorder :					
Lahore :					
Sprengnether ..	Z	1.8	1.8	Critical	4,900
,, ...	N	1.7	1.7	,,	4,200
,, ...	E	1.6	1.6	,,	4,100
Benioff	Z	1.0	0.75	,,	6,250
,, ...	N	1.0	0.75	,,	6,250
,, ...	E	1.0	0.75	,,	6,250
Sprengnether ..	Z	30.0	100.0	,,	750
,, ...	N	30.0	100.0	,,	750
,, ...	E	30.0	100.0	,,	750
Karachi :					
Sprengnether ..	Z	1.8	1.8	Critical	5,890
,, ...	N	1.8	1.8	,,	4,700
,, ...	E	1.4	1.4	,,	4,700
Chittagong :					
Sprengnether ..	Z	1.7	1.7	Critical	5,200
,, ...	N	1.8	1.8	,,	5,700
,, ...	E	1.5	1.5	,,	3,600
Warsak :					
Sprengnether ..	Z	1.95	1.95	Critical	8,000
,, ...	N	1.8	1.8	,,	4,000

* indicates long period seismographs

c=compression, d =dilatation, X=unidentified phase

Mu=Actual ground motion of the indicated phase in microns

Sec=Period of the indicated phase in seconds

(Pas), (Berk), (Up), (Ki), (Pal), stand for seismological observatories Pasadena (U.S.A.), Berkeley (U.S.A.), Uppsala (Sweden), Kiruna (Sweden) & Palisade (U.S.A.), respectively

All times are in Greenwich Mean Time

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January 1964

Date	Station	Phase	h	m	s
1	Qt	ePZ	05	24	44·5
		epPZ			55·2
		USCGS H 05 14 26			
		37·4 N 142·7 E			
		Off east coast of Honshu,			
		Japan depth about 33 km			
1	Lh	ePZ	12	32	28·0
	Wr	ePZ			49·4
	Kr	ePZ			50·8
		epPZ		33	15·6
		ePPZ		35	20·7
	Qt	iPZ		33	02·2c
		ePPZ		35	35·5
		eSN*		42	03·0
		Mu Sec			
		PZ 0·1 1·0			
		△= 70°6			
		USCGS H 12 21 55·4			
		6·8 S 129·8 E			
		Banda Sea			
		depth about 96 km			
		Mag : 5·7 (CGS),			
		5·9 (Qt)			
1	Qt	ePKPZ	14	36	16±
		epPKPZ			27·5
		USCGS H 14 16 28			
		41·4 S 74·4 W			
		Near coast of southern			
		Chile depth about 33km			
		Mag : 4·7 (CGS)			
1	Qt	ePKPZ	16	08	30±
		USCGS H 15 49 47·9			
		55·9 S 27·1 W			
		Sandwich Islands			
		depth about 33 km			
		Mag : 5·4 (CGS)			
	Lh	ePZ	17	36	48·0c
		epPZ		37	02·0
		PcPZ			33·0
		eSN*E*		45	05·0
		eScSE ·		46	26·0
	Wr	ePZ		36	50·1
	Qt	iPZ		37	25·6c
		epPZ			41·2
		ePcPZ			52·0
		ePPZ		39	56·5
		ePcSN		42	00·0
		iSN*		46	15·0
		eScSN*		47	28·4
		eSSN*		50	40·0
		Mu Sec			
		18·3 20·0			
		MH 18·3 20·0			
		△=67°·2			
	Kr	ePZ	17	37	47·0c
		epPZ			58·4
		USCGS H 17 26 43·5			
		45·4 N 151·9 E			
		Kurile Islands			
		depth about 45 km			
		Mag : 6 (Pal),			
		6.3 (Qt)			
1	Wr	iPZ	20	14	07·2
	Qt	iPZ			23·4c
		epPZ			34·5
		esPZ			38·5
		ePPZ		17	22·5
		eSN		24	10·5
		Mu Sec			
		PZ 0·1 1·3			
		△= 77°·2			
		USCGS H 20 02 32·5			
		3·2 S 139·7 E			
		Western New Guinea			
		depth about 33 km			
		Mag : 6·3 (CGS),			
		5·9 (Qt).			
1	Qt	ePZ	22	53	09·0c
		epPZ			22·2
		USCGS H 22 42 27·0			

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Date	Station	Phase	h	m	s
		45·5 N 151·7 E			
		Kurile Islands			
		depth about 45 km			
		Mag : 4·7 (CGS)			
1	Qt	ePZ	23	51	25·6
		epPZ			39·2
		USCGS H 23 40 44·1			
		45·5 N 151·9 E			
		Kurile Islands			
		depth about 60 km			
		Mag : 4·5 (CGS)			
2	Qt	ePZ	05	12	49·6
		ePcPZ		13	16.0
		USCGS H 05 01 53·5			
		53·0 N 159·6 E			
		Kamchatka depth			
		about 40 km Mag :			
		4·9 (CGS)			
2	Wr	iPZ	17	29	20·0
		iSZ			53·5
	Lh	ePZ			58·0
		eSN		30	56·3
	Qt	iPZ			19·1d
		eSE		31	40·0
		Mu Sec			
		PZ 0·11 0·5			
		△= 7°·2			
		H 17 28 35·0			
		36·2 N 70·9 E			
		Hindukush			
		depth about 230 km			
		USCGS H 17 28 35·5			
		36·4 N 71·1 E			
		Hindukush			
		depth about 233 km			
		Mag : 4·8 (CGS),			
		5·3 (Qt)			
2	Wr	ePZ	19	28	23·5
	Qt	ePZ			41·1
		epPZ			52·2
		esPZ			57·2
		ePPZ		32	30·5
		eSN		39	47·0
		USCGS H 19 15 23·9			
		8·4 S 157·1 E			
		Solomon Islands			
		depth about 33 km			
		Mag : 5·5 (CGS).			
3	Qt	ePZ	00	57	49·0
		USCGS H 00 45 20·4			
		5·9 S 146·7 E			
		Near coast of north			
		east New Guinea			
		depth about 33 km			
		Mag : 4·6 (CGS)			
3	Qt	ePZ	01	12	48·0±
		USCGS H 00 59 33·8			
		8·5 S 157·4 E			
		Solomon Islands			
		depth about 61 km			
		Mag : 4·8 (CGS)			
3	Qt	ePZ	06	25	33·6
		USCGS H 06 14 24·4			
		6·9 S 128·7 E			
		Banda Sea			
		depth about 33 km			
3	Wr	iPZ	16	37	52·0
		eSZ		38	18·8
	Lh	ePZ			33·5
		eSN		39	31·2
	Qt	iPZ		38	57·2
		eSE		40	14·0
		Mu Sec			
		PZ 0·04 0·6			
		△= 6°·9			
		H 16 37 17·0			
		36·0 N 70·9 E			
		Hindukush depth			
		about 150 km			
		USCGS H 16 37 19·4			
		36·0 N 71·3 E			

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Date	Station	Phase	h	m	s
		Hindukush			
		depth about 123 km			
		Mag : 4·5 (CGS),			
		4·8 (Qt)			
3	Qt	ePZ	17	32	38·8d
		esPZ			52·5
		USCGS H 17 20 54·0			
		52·8 N 173·1 E			
		Rat Islands, Aleutian			
		Islands depth about			
		33 km			
		Mag : 4·9 (CGS)			
3	Qt	ePKPZ	21	42	49·7d
		eXZ		44	16·2
		ePPZ			31·5
		USCGS H 21 24 56·3			
		20·4 S 78·2 W			
		Fiji Islands			
		depth about 520 km			
		Mag: 5·3 (CGS)			
3	Qt	ePZ	22	01	11·0d
		epPZ			18·2
		USCGS H 21 48 05·6			
		53·0 S 21·2 E			
		Bouvet Islands region			
		depth about 33 km			
3	Qt	ePZ	23	52	31·0
4	Qt	ePZ	03	53	56·0
		USCGS H 03 42 22·6			
		3·4 S 149·2 E			
		Bismarck Sea			
		depth about 33 km			
		Mag: 4·3 (CGS)			
4	Qt	ePZ	10	47	48·5
		epPZ			57·5
		ePPZ		49	41·2
		USCGS H 10 38 58·8			
		21·6 N 121·8 E			
		Off south coast of			
		Taiwan depth about			
		33 km			
		Mag : 4·7 (CGS).			
4	Wr	ePZ	12	02	57·0
		eSZ		03	27·0
		ePZ			38·0
	Lh	ePZ		04	01·2
	Qt	ePZ		05	20·0
		eSN			
		Mu Sec			
		PZ 0·01 0·5			
		△ = 7°·2			
		H 12 02 17·0			
		36·3 N 71·3 E			
		Hindukush			
		Mag : 4·3 (Qt)			
4	Qt	ePZ	16	00	37·3
4	Qt	ePZ	16	53	07·0
		epPZ			16·8
		USCGS H 16 44 16·9			
		21·7 N 121·8 E			
		Off south coast of			
		Taiwan			
		depth about 33 km.			
4	Qt	ePZ	21	25	16·0
		USCGS H 21 12 09·3			
		52·9 S 20·9 E			
		Bouvet Islands region			
		depth about 33 km			
4	Qt	ePZ	22	54	12·4d
		epPZ			23·5
		USCGS H 22 45·47			
		1·9 S 102·3 E			
		Sumatra depth about 33 km			
5	Qt	ePKPZ	07	31	06·0c
		epPKPZ			32·0
		USCGS H 07 11 26·5			
		37·6 S 72·5 W			
		Near coast of central Chile			
		depth about 61 km			
		Mag : 4·3 (CGS)			

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Date	Station	Phase	h	m	s
5	Wr	ePZ	09	07	11·5
	Qt	ePZ			45·0
		esPZ			59·5
		ePcPZ	08	21	·9
		USCGS H 08 57 22·3			
		32·5 N 141·7 E			
		South of Honshu, Japan			
		depth about 33 km			
		Mag : 4·8 (CGS)			
5	Qt	ePKPZ	10	30	54·2c
		epPKPZ	31	06·5	
		eXZ			19·0
		USCGS H 10 11 53·0			
		26·6 S 175·7 W			
		Kermadec Islands region			
		depth about 31 km			
		Mag : 5·1 (CGS)			
5	Qt	ePZ	12	12	36·0c
		epPZ			55·2
		H 12 00 05·0			
		53·8 N 165·3 W			
		Fox Islands, Aleutian Islands			
		depth about 63 km			
		Mag : 4·8 (CGS)			
5	Qt	ePZ	15	27	50·5
		USCGS H 15 17 43·6			
		43·1 N 144·4 E			
		Hokkaido, Japan			
		depth about 110 km			
		Mag : 4·3 (CGS)			
5	Qt	ePZ	18	02	54·5d
		epPZ		03	03·5
		USCGS H 17 50 45·3			
		51·2 N 179·6 W			
		Andreanof Islands, Aleutian Islands			
		depth about 33 km			
		Mag : 4·3 (CGS)			
5	Qt	iPKPZ	18	53	04·0c
		eXZ			44·4
		ePPZ		55	52·5
		eXZ		56	23·7
		iXZ		57	36·5
		USCGS H 18 33 54·7			
		8·0 S 74·5 W			
		Central Peru			
		depth about 150 km			
		Mag : 5·2 (CGS)			
5	Kr	ePZ	23	58	34·0
	Qt	ePZ		59	01·5d
		ePcPZ			08·0
		esPZ			17·7
		eppZ	00	02	27·7
		epPPZ		04	25·0
		eSKSN		09	31·8
		eSE			45·5
		eSCSE			50·0
	Lh	ePZ	23	59	19·0
		esPZ			35·0
		ePPZ*	00	03	11·5
		eSKSE*		09	49·0
		eSN*		10	24
		eSSN*		16	35·0
		USCGS H 23 46 10·7			
		52·3 S 28·6 E			
		Prince Edward Islands region			
		depth about 33 km			
6	Wr	ePZ	01	18	03·7
		eSZ			35·8
	Qt	iPZ		19	02·7c
		eSN		20	20·9

Date	Station	Phase	h	m	s
		Mu Sec.			
		PZ 0·01 0·5			
		△ = 7°·0			
		H 01 17 21·3			
		Hindukush region			
		Mag : 4·3 (Qt.)			
6	Qt	ePZ	06	03	46·3d
		iXZ			59·0
		epPZ		04	14·5
		ePcPZ			46·0
		ePPZ		05	44·5
		ePPPZ		06	51·2
		eXZ		08	40·0
		eSE*		11	07·0
		eScSE*		13	28·5
		Mu Sec.			
		PZ 0·1 1·1			
		△ = 53°·1			
		USCGS H 05 54 42·7			
		27·2 N 127·3 E			
		Ryukyu Islands			
		depth about 110 km			
		Mag : 5·7 (CGS),			
		5·7 (Qt)			
6	Wr	ePZ	15	10	17·9
	Qt	ePZ		11	24·0
		iPZ			26·5
		eSE		15	49·0
		USCGS H 15 07 09·6			
		44·2 N 82·6 E			
		Sinkiang Province, China			
		Mag : 4·5 (CGS)			
6	Qt	iPZ	16	16	05·3d
		USCGS H 16 06 35·0			
		30·4 N, 138·3 E			
		South of Honshu, Japan			
		depth about 426 km			
		Mag : 4·1 (CGS)			
6	Ch	ePZ	23	55	14
		eSE	00	03	14
	Wr	ePZ	23	55	42·1
		ePZ			43·0
	Lh	eSE*	00	04	02·0
	Qt	iPZ	23	56	17·5c
		epPZ			27·5
		esPZ			32·7
		ePcPZ			46·5
		ePPZ		58	43·0
		eSN*	00	05	11·0
		eScSN*		06	12·0
		eSSN*		09	30·0
		ePKPPKPZ		24	41·5
		Mu Sec.			
		MH 16·6 20			
		△ = 67°·7			
		USCGS H 23 45 23·4			
		50·9 N, 157·3 E			
		Southern Kamchatka			
		depth about 33 km			
		Mag : 5·6 (CGS),			
		6·2 (Qt)			
7	Wr	ePZ	04	55	39·3
	Qt	ePZ		5620	.0±
		epPZ		57	15·5
		iXN	05	01	49·0
		USCGS H 04 50 37			
		29·8 N 98·7 E			
		Eastern Tebet			
		depth about 46 km			
		Mag : 5·0 (CGS)			
7	Qt	ePZ	08	59	15·3
		USCGS H 08 46 48·0			
		54·0 N, 165·5 W			
		Dox Islands, Aleutian			
		Islands			
		depth about 180 km			
		Mag :4·7 (CGS)			
7	Wr	ePZ	10	52	10·2
	Qt	ePZ			26·5
		esPZ			51·2
		USCGS H 10 40 42·9			

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Date	Station	Phase	h	m	s
		3·0 S 139·0 E			
		Western New Guinea			
		depth about 47 km			
		Mag : 5·0 (CGS)			
7	Wr	iPZ	20	05	55·1
	Qt	ePZ		07	12·0
		eSE		09	18·0
		USCGS H 20 04 36			
		39.3 N, 73.8 E			
		Tadzhik, S. S. R.			
		depth about 33 km.			
		Mag : 4.5 (CGS)			
7	Wr	ePZ	21	00	43.7
	Qt	ePZ			44.9c
		USCGS HZ 20 52 04.9			
		4.6 S 103.3 E			
		Near west coast of			
		Sumatra			
		depth about 89 km			
		Mag : 5.0 (CGS)			
7	Qt	ePKPZ	23	31	31.5
		epPKPZ			43.5
		USCGS H 23 12 33.4			
		18.3 S 173.4 W			
		Tonga Islands			
		depth about 33 km			
		Mag : 4.7 (CGS)			
8	Wr	ePZ	04	35	43.0
	Qt	ePZ			59.9
		epPZ		36	16.8
		USCGS H 04 23 46.3			
		5.0 S 144.3 E			
		Eastern New Guinea			
		depth about 72 km			
		Mag : 5.1 (CGS)			
8	Ch	ePZ	16	10	51
	Qt g	ePZ		13	34.0
		eXZ			43.5
		USCGS H 16 02 30.0			
		6.9 S 129.4 E			

Date	Station	Phase	h	m	s
		Banda Sea			
		depth about 108 km			
8	Ch	iPZ	22	37	58 c
		eSE		43	52
	Lh	ePZ		40	16.0
	Wr	ePZ			40.0
	Qt	ePZ			50.8c
		epPZ		41	14.5
		esPZ			25.5
		ePcPZ			34.5
		ePPZ		43	08.2
		ePPPZ*		44	27.0
		eSE*			49.00.0
		eScSN*		50	36.0
		eSSN*		52	58.0
		Mu Sec			
		MH 3.7 20			
		△ = 60°.0			
		USCGS H 22 30 52.5			
		3.8 S 119.3 E			
		Celebes			
		depth about 112 km			
		Mag: 5.3 (CGS),			
		5.8 (Qt)			
9	Ch	ePZ	03	07	46
	Qt	ePZ		09	24.0
		epPZ			43.0
		USCGS H 02 59 21.6			
		41.7N 141.9 E			
		Off north coast of			
		Hokkaido, Japan			
		depth about 50 km			
		Mag : 5.0 (CGS)			
9	Ch	ePZ	18	41	09
		eSE		48	35
	Lh	ePZ		41	54.0
		epPZ		42	07.0
		ePPZ		44	11.0

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Date	Station	Phase	h	m	s
		eSN*		49	59.0
		eScSE*		51	38.0
	Wr	iPZ		41	56.5
	Qt	iPZ		42	32.5c
		epPZ			45.6
		ePcPZ		43	07.0
		eSN*		51	12.3
		esSE*			35.0
		eScSN*		52	24.0
		eSSN*		55	35.0
		ePKPPKPZ	19	11	11.5
		Mu Sec.			
		PZ 0.2 1.0			
		PH 0.1 1.0			
		MH 49.6 20			
		△ = 65.°4			
	Kr	iPZ	18	42	53.5c
		epPZ		43	01.7
		USCGS H 88 31 52.4			
		45.5 N, 150.9 E			
		Kurile Islands			
		depth about 40 km			
		Mag : 5.6 (CGS)			
		6.4 (Qt)			
10	Ch	ePZ	04	59	21.0
	Lh	ePZ	05	00	20.0
	Wr	iPZ			24.7
	Qt	iPZ	01	02	1c
		epPZ			12.0
		esPZ			17.5
		ePcPZ			39.0
		ePPZ*	03	18	.0
		eSN*	09	14	.0
		esSN*			40.0
		eScSE*	10	47	.5
		eSSE*	13	18	.0
		ePKPPKI Z	30	31	.0
		Mu Sec.			
	PZ	0.3 1.5			
		MH 11.9 20			
		△ = 60°.6			
	Kr	iPZ	05	01	22.5c
		epPZ			32.0
		USCGS H 04 50 53.4			
		42.0 N 142.6 E			
		Near south coast of Hokkaido, Japan			
		depth about 33 km			
		Mag : 5.5 (CGS), 6.1 (Qt)			
10	Qt	ePZ	11	03	23.0
		epPZ			34.5
		USCGS H 10 52 45.7			
		44.8 N 149.6 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 4.5 (CGS)			
10	Qt	ePZ	12	07	13.5
		USAGS H 11 56 33.4			
		44.1N 150.8E			
		Kurile Islands			
		depth about 58 km			
		Mag : 4.1 (CGS)			
10	Ch	ePZ	17	06	35
		eSN		13	56
	Lh	ePZ		07	21.0
		eSN*		15	20.0
	Wr	ePZ		07	24.3
	Qt	iPZ	08	01	.4d
		eXZ			10.0
		epPZ			18.5
		ePcPZ			36.9
		ePPZ	10	23	.0
		eSN*	16	36	.0
		ePKPPKPZ	36	52	.0
		Mu Sec			
		MH 9.0 20			
		△ = 64°.5			

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Date	Station	Phase	h	m	s
		USCGS H 16 57 26.5			
		45.4 N 150.0 E			
		Kurile Islands			
		depth about 50 km.			
		Mag : 5.4 (CGS),			
		5.8 (Qt)			
10	Wr	ePZ	19	06	59.5
		eSZ		07	53.1
	Lh	ePZ			28.5
		eSNE		08	40.0
	Qt	ePZ			08.0
		eSN		09	54.0
		Mu	Sec		
		PZ 0.01	0.9		
		△ = 9°.8			
		H 19 05 53.0			
		37.9 N 73.8 E			
		Tadzhik, S. S. R.			
		depth about 220 km			
		Mag : 4.1 (Qt)			
10	Qt	ePZ	19	32	24.0
		USCGS H 19 21 58			
		2.8 N 127.0 E			
		Molucca Islands region			
		depth about 33 km			
10	Wr	ePZ	22	03	34.3
	Qt	ePZ			51.0c
		epPZ		04	07.5
		ePcPZ			18.0
		eXZ			58.2
		USCGS H 21 52 47.6			
		6.9 S 129.4 E			
		Banda Sea			
		depth about 117 km			
		Mag : 5.5 (CGS)			
11	Qt	iPZ	10	31	44.5d
		epPZ			53.5
		ePPZ		33	36.5
		eSE		38	34.5
	Wr	ePZ		31	54.9
		USCGS H 10 23 10.9			
		11.4 S 90.9 E			
		Indian Ocean			
		depth about 33 km			
		ePKPZ	21	43	37.3
11	Qt	USCGS H 21 23 54.2			
		40.4 S 72.6 W			
		Southern Chile			
		depth about 33 km			
		Mag : 4.5 (CGS)			
11	Ch	ePZ	22	10	04
		eSN		16	26
	Wr	ePZ		12	37.2
		eSN			46.5
	Qt	ePZ		13	00.0
		epPZ			15.5
		ePcPZ			
		USCGS H 22 02 03			
		8.6 S 123.4 E			
		Flores Sea			
		depth about 70 km			
		Mag : 5.5 (CGS)			
12	Ch	iPZ	06	12	17 c
		eSN		22	11
	Wr	iPZ		12	17.8
	Lh	ePZ			23.5
		eSN*		22	25.0
	Qt	iPZ		12	46.5c
		epPZ			56.5
		ePPZ		16	01.0
		eSE*		23	10.0
		esSN*			28.0
		eSSN*		28	38.0
		Mu Sec.			
		MH 5.4 20			
		△ = 84°.6			
		USCGS H 06 00 13.2			
		53.2 N 166.3 W			
		Fox Islands, Aleutian Islands			
		depth about 33 km			

Date	Station	Phase	h	m	s
		Mag : 5.5 (CGS), 6.1 (Qt)			
12	Ch	ePZ	11	23	07
		eSE		31	05
	Wr	ePZ		25	08.6
	Qt	ePZ			25.0
		epPZ		26	21.5
		esPZ			40.5
		eXZ		27	32.5
		eSE		35	30.0
		USCGS H 11 13 19.6			
		5.4 S 146.8 E.			
		Near coast of north east New Guinea			
		depth about 229 km			
		Mag : 5.6 (CGS)			
12	Qt	ePZ	12	49	22.0
		eSSE		52	26.5
		Mu Sec			
		PZ 0.09 1.0			
		△ = 15°.0			
		USCGS H 12 45 51.1			
		31.5 N 49.4 E			
		Western Iran			
		depth about 67 km			
		Mag : 5.2 (CGS), 5.0 (Qt)			
12	Qt	ePZ	14	40	01.5
		epPZ			06.5
		USCGS H 14 28 20.0			
		4.4 S 137.3 E			
		West New Guinea			
		depth about 22 km			
		Mag : 5.4 (CGS)			
12	Wr	ePZ	21	32	08.7
		eSZ			36.0
	Qt	ePZ		33	14.2
		eSN		34	32.0
		H 21 31 32.0			
		Hindukush region			

Date	Station	Phase	h	m	s
13	Qt	ePZ	13	35	44.0s
		eSPZ			56.5
		USCGS H 13 25 01·9			
		46·6 N 152·1 E			
		Kurile Islands			
		depth about 20 km			
		Mag : 4·9 (CGS)			
13	Qt	ePKPZ	17	43	07·0
		USCGS H 17 23 30·1			
		2·3 N 102·0W			
		West of Galapagos Islands,			
		depth about 33 km			
		Mag : 4·9 (CGS)			
13	Qt	iPZ	18	34	40.0d
		eSN*			35 03·8
		Mu Sec			
		PZ 0·27 0·5			
		△ = 1°·9			
	Wr	ePZ	18	35	14·4
		H 18 34 09·5			
		Dilation from north-west of Quetta			
		Mag : 3·8 (Qt)			
14	Qt	ePZ	01	22	08·0
		ePPZ			20·5
		USCGS H 01 11 12·6			
		52·9 N 159·6 E			
		Near coast of Kamchatka			
		depth about 50 km			
		Mag : 4·9 (CGS)			
14	Wr	ePZ	01	40	44.2
		iSZ		41	23·8
	Qt	ePZ			51·5c
		eSN		43	23·0
14	Qt	ePKPZ	04	36	43·5
		USCGS H 04 17 50·5			
		28·8 S 176·2 W			
		Kermadec Islands			

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Date	Station	Phase	h	m	s
		depth about 89 km			
		Mag : 4·7 (CGS)			
14	Qt	ePZ	09	02	31·9
		USCGS H 08 53 09.9			
		47·9 N 145·6 E			
		Sea of Okhotsk			
		depth about 565 km			
		Mag : 4·1 (CGS)			
14	Qt	ePZ	10	03	49·0
14	Wr	ePZ	15	15	17·8
	Qr	ePZ			42·5
		USCGS H 15 06 35·3			
		13·6 N 120·5 E			
		North-western Mindanao,			
		Philippine Islands			
		depth about 44 km			
		Mag : 4·5 (CGS)			
14	Ch	ePZ	15	48.32	
		eSN		56.57	
	Lh	ePZ	50	13·0	
		epPZ*		52·0	
		eSE*	16	00	07·5
	Wr	iPZ	15	50	25·8
	Qt	ePZ			42·5
		epPZ*		51	22·5
		eXZ*		53	45·0
		ePPZ*		54	13·0
		eSKSE*	16	00	52·0
		eSE*		01	08·0
		esSE*		02	08·0
		eSSE*		07	03·0
		Mu Sec			
PZ		0·1 1·0			
		USCGS H 15 38 13·8			
		5·2 S 150·8 E			
		Near north coast of			
		New Britain			
		depth about 169 km			
		Mag : 5·6 (CGS),			
		5·8 (Qt)			

Date	Station	Phase	h	m	s
			02	33	50·0
15	Wr	ePZ		34	26·0c
	Qt	iPZ			39·5
		epPZ			43·5
		esPZ			
		USCGS H 02 23 47·4			
		43·3 N 150·6 E			
		Kurile Islands			
		depth about 45 km			
		Mag : 5·3 (CGS)			
15	Qt	ePZ	16	27	16·0
15	Ch	ePZ	17	41	48
	Qt ..	ePZ		45	26·9
		eSN		49	48·5
		esSN		50	18·4
		USCGS H 17 40 01			
		25·2 N 95·5 E			
		Burma			
		depth about 78 km			
		Mag : 4·0 (CGS)			
15	Qt	ePKPZ	19	05	06·7c
		USCGS H 18 46 32·9			
		28·4 S 178·4 W			
		Kermadec Islands			
		depth about 211 km			
		Mag : 4·7 (CGS)			
15	Qt	ePZ	21	40	08·4
		USCGS H 21 26 43·2			
		23·7 N 45·0 W			
		North Atlantic Ocean			
		depth about 33 km			
		Mag : 4·7 (CGS)			
15	Ch	ePZ	21	44	14
		eSNE		50	42
	Lh	ePZ		45	42·0
		epPZ		46	13·0
		eSN*		53	27·0
	Wr	ePZ		45	53·2
	Qt	iPZ		46	26·4c
		epPZ			38·5
		ePcPZ			59·8

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Date	Station	Phase	h	m	s
		ePPZ		48	50·5
		eSE*		54	52·0
		esSE*		55	13·0
		eScSN		56	12·0
		eSSN*		59	08·0
		eSSSE*	22	01	42·0
		ePKPZ		15	25·0

	Mu	Sec
PZ	0·1	1·0
MH	10·8	20

Δ = 63°·2
USCGS H 21 36 05·0
South of Honshu,
Japan
depth about 70 km
Mag: 6¾ (Pas),
6·4 (CGS),
6·0 (Qt)

16	Qt	ePZ	17	21	47

USCGS 17 10 41
52·5 N 162·9 E
Off east coast of
Kamchatka
depth about 33 km
Mag: 4·2 (CGS)

16	Qt	iPZ	23	19	35·8d

USCGS H 2310 34·4
37·3 N 134·8 E
Sea of Japan
depth about 380 km
Mag: 4·1 (CGS)

17	Qt	ePZ	00	41	31·0d
17	Qt	iPZ	03	05	02·6c
		epPZ			15·7
		ePPZ		07	26·2

USCGS H 02 54 22·6
45·5 N 151·3 E
Kurile Islands
depth about 55 km
Mag: 5·1 (CGS)

Date	Station	Phase	h	m	s
17	Wr	iPZ	03	25	46·6
		iSZ		26	19·9
	Lh	ePZ			26·0
		eSE		27	27·0
	Qt	iPZ		26	49·5c
		iSE		28	11·5

	Mu	Sec
PZ	0·1	0·8

Δ = 7°·6

Kr		ePZ	03	27	57·3
		eSE		30	14·0

H 03 25 01·0
36·7 N 71·4 E
Hindukush
depth about 200 km
USCGS H 03 25 00·6
36·8 N 71·4 E
Hindukush
depth about 94 km
Mag: 5.2 (CGS).
5·1 (Qt)

18	Ch	iPZ	12	10	18c
		eSNE		14	52
	Lh	ePZ		12	28·0c
		ePPZ*		14	10·0
		eSN*		18	44·0
		eSSN		21	44·0
	Wr	ePZ		12	47·9
	Qt	ePZ		13	18·5d
		epPZ			26·0
		esPZ			39·0
		ePcPZ		14	42·0
		ePPZ*		15	11·8
		ePcPZ		18	34·0
		iSN*		20	20·0
		eScSN*		23	09·0
		eSSN*			44·2

	Mu	Sec
PZ	0·2	1·5
PH	0·1	1·5

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Date	Station	Phase	h	m	s
		MH 76·8 20			
		Δ = 49°·1			
	Kr	ePZ	12	13	23·0
		epPZ			31·2
		ePPZ		15	17·5
		eSE		20	27·4
		USCGS H 12 04 40·0			
		23·1 N 120.5 E			
		Taiwan			
		depth about 33 km			
		Mag: 6¾ (Pas).			
		6¾-7 (Bks),			
		6·1 (CGS),			
		6·5 (Qt)			
18	Qt	ePZ	13	51	47·0
		USCGS H 13 43 05·6			
		23·1 N 120·8 E			
		Southwestern Taiwan			
		depth about 31 km			
		Mag: 4·5 (CGS)			
18	Qt	ePZ	14	54	38·0c
		USCGS H 14 45 39·4			
		20·6 N 122·1 E			
		Batan Islands			
		depth about 18 km			
		Mag: 4·9 (CGS)			
18	Qt	ePZ	16	56	58·5
		USCGS H 16 45 54			
		6·9 S 129·3 E			
		Banda Sea			
		depth about 84 km			
18	Qt	ePKPZ	19	03	01·0
		USCGS H 18 44 05·0			
		25·1 S 176·9 W			
		Kermadec Islands region			
		depth about 33 km			
		Mag: 4·6 (CGS)			
19	Qt.	ePKPZ	02	46	53·5
		epPKPZ		47	08·0
		USCGS H 02 27 07			
		39·1 S 72·4 W			
		Near coast of Southern Chile			
		depth about 33 km			
		Mag: 4·5 (CGS)			
19	Qt	ePKPZ	07	08	39·0
		USCGS H 06 49 55·9			
		58·6 S 25·1 W			
		Sandwich Islands			
		depth about 33 km			
19	Qt	ePZ	07	13	27±
		USCGS H 07 00·033			
		9·2 S 128·2 E			
		Solomon Islands			
		depth about 33 km			
19	Qt	ePZ	08	08	41±
		USCGS H 07 55 09			
		5·9 S 134·1 E			
		Aru Islands			
		depth about 33 km			
		Mag: 4·7 (CGS)			
19	Qt	ePZ	09	16	41·7
		eSN		18	51·0
		Mu Sec			
		PZ 0 06 0·8			
		Δ = 11°·8			
	Kr	ePZ	09	16	35·0
		USCGS H 09 13 53·8			
		26·9 N 54·0 E			
		Near coast of southern			
		Iran			
		depth about 33 km			
		Mag: 5·6 (CGS),			
		5·7 (Qt)			
19	Qt	ePZ	16	21	21±
		eXZ			33·2
		USCGS H 16 12 50·0			
		23·0 N 120·4 E			
		Taiwan			

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Date	Station	Phase	h	m	s
		depth about 33 km			
		Mag: 4·8 (CGS)			
19	Qt	ePZ	17	21	02±
		USCGS H 17 00 46·1			
		44·1 N 145·0 E			
		Near east coast of			
		Hokkaido, Japan			
		depth about 33 km			
		Mag: 4·6 (CSG)			
19	Qt	ePZ	23	40	58·2
20	Wr	ePZ	04	56	34·2
	Qt	ePZ			54·0
		epPZ		57	11·0
		USCGS H 04 46 59·7			
		8·2 N 126·6 E			
		Near east coast of			
		Mindanao,			
		Philippine Islands			
		depth about 110 km			
		Mag: 4·9 (CGS)			
20	Qt	ePZ	15	48	15
		USCGS H 15 39 41·5			
		23·2 N 120·3 E			
		Taiwan			
		depth about 49 km			
		Mag: 5·1 (CGS)			
20	Ch	ePZ	17	21	12
		eSNE		31	25
	Lh	ePZ*		22	31·0
		ePKPZ		26	07·5
		eSKS		32	56·0
	Wr	ePZ		22	49·3
		ePKPZ		26	48·1
	Qt	ePZ		22	56·5
		epPZ*		23	32·0
		ePKPZ		26	55·0
		iXZ		30	19·5
		eSKSN		33	26·0
		USCGS H 17 08 37·4			
		20·7 S 169·9 E			
		Loyality Islands region			
		depth about 141 km			
		Mag: 6·1 (CGS)			
20	Qt	ePZ	17	37	52·5
20	Ch	ePZ	20	44	00
	Wr	ePZ		46	38·4
	Qt	iPZ		47	06·5
		epPZ			16·2
		esPZ			21·5
		ePcPZ		48	30·2
		ePPZ			55·5
		USCGS H 20 38 16·5			
		18·8 N 120·7 E			
		Near north coast of			
		Luzon.			
		Philippine Islands			
		depth about 53 km			
		Mag : 4.8 (CGS)			
20	Qt	ePKPZ	23	25	22·0
		epPKPZ			33·5
		USCGS H 23 06 26·3			
		30·0 S 177·9 W			
		Kermadec Islands region			
		depth about 44 km			
		Mag: 5·1 (CGS)			
21	Ch	ePZ	22	24	56
		eSNE		30	23
	Lh	ePZ		27	14
	Wr	ePZ			36·5
	Qt	ePZ			59·5
		epPZ		28	09·0
		ePcPZ			52·5
		ePPZ		30	08·5
		USCGS H 22 18 13·0			
		10·6 N 125·3 E			
		Near coast of Layte.			
		Philippine Islands			
		depth about 53 km			
		Mag: 5·2 (CGS)			

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Date	Station	Phase	h	m	s
22	Wr	ePZ	09	23	20·2
	Qt	ePZ			37·0
		epPZ			50·5
		USCGS H 09 12 03·4			
		4·2 S 136·2 E			
		Western New Guinea			
		depth about 71 km			
		Mag: 5.1 (CGS)			
22	Ch	ePZ	15	59	12
	Lh	ePZ	16	03	07·0
		ePPZ			28·5
		eSN		06	27·0
		eSSN*		07	01·5
	Wr	ePZ		03	41·5
	Kr	iPZ		04	00·2d
		ipPZ			15·7
		ePPZ			37·0
		eSSE		09	10·7
	Qt	iPZ		04	04·3d
		epPZ			16·5
		esPZ			31·5
		ePPZ			42·0
		ePPPZ			51·0
		eSE*		08	23·0
		esSE*			53·0
		eSSE*		09	20·5
		Mu Sec			
		PZ 0·4 1·0			
		△ =24°9			
		H 15 58 42·3			
		22·6 N 94·0 E			
		Burma			
		depth about 60 km			
		Felt—Chittagong			
		USCGS H 15 5 46·5			
		22·4 N 93·6 E			
		Burma			
		depth about 88 km			
		Mag: 6·1 (CGS),			
		6·1 (Qt)			
22	Qt	ePZ	17	53	14
		eXZ			28·2
		USCGS H 17 41 50			
		4·0 S 133·9 E			
		Near south coast of			
		western			
		New Guinea			
		depth about 33 km			
22	Wr	ePZ	18	09	10·0
	Qt	ePZ			38·0
		USCGS H 17 58 16·3			
		20·2 N 147·1 E			
		Mariana Islands region			
		depth about 39 km			
		Mag: 5·1 (CGS)			
22	Qt	ePZ	18	58	26·0
		USCGS H 18 48 30·9			
		7·6 N 126·9 E			
		Near east coast of			
		Mindanao,			
		Philippine Islands			
		depth about 144 km			
		Mag: 4·2 (CGS)			
23	Ch	ePZ	00	11	58
		eSNE		22	06
	Lh	ePZ		13	20·0
		eSKSN*		24	02·0
		eSN*		46·0	
	Wr	ePZ		13	31·8
	Qt	ePZ			46·5
		ePKPZ*		18	11·0
		eSKSE*		24	35·0
		ePSE*		28	14·0
		USCGSH 23 59 43·6			
		13·7 S 165·9 E			
		New Herbrides Islands			
		depth about 33 km			
		Mag: 6·0 (CGS)			
23	Qt	ePZ	06	09	12·5

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Date	Station	Phase	h	m	s
		USCGSH 05 56 34			
		8·4 S 13·3 W			
		Ascension Islands			
		depth about 33 km			
23	Wr	iPZ	15	20	17·2
		eSZ			45·1
	Lh	ePZ			58·4
		eSN		22	00·0
	Qt	iPZ		21	21·0c
		iSE		22	38·0
		Mu Sec			
		PZ 0·09 0·8			
		△ =7°2			
	Ch	ePZ	15	24	36
		H 15 19 37			
		36·4 N 71·0 E			
		Hindukush			
		depth about 180 km			
		USCGSH 15 19 31·6			
		36·9 N 71·2 E			
		Hindukush, Felt Tarbela			
		depth about 28 km			
		Mag: 4·4 (CGS),			
		5·0 (Qt)			
23	Qt	ePZ	16	18	19·5
		iPZ			23·2
		esPZ			39·0
		USCGS H 16 08 55·5			
		11·5 N 122·5 E			
		Panay Islands			
		Philippine Islands			
		depth about 47 km			
		Mag: 4·5 (CGS)			
24	Qt	ePZ	02	52	13·5d
		ipPZ		53	49·0
		USCGS H 02 40 00·1			
		4·2 S 154·2 E			
		New Britain region			
		depth about 416 km			
		Mag: 4·3 (CGS)			
24	Qt	ePZ		04	05 22·5
		USCGS H 03 52 29·3			
		5·9 S 154·0 E			
		New Britain region			
		depth about 85 km			
24	Wr	ePZ		10	01 36·6
	Qt	ePZ		02	45·0
		eSE		04	17·0
		USCGS H 10 00 47			
		35·6 N 74·4 E			
		Hindukush region			
		depth about 215 km			
24	Wr	ePZ	13	45	17·0
		eSZ			47·7
	Lh	ePZ			58·4
		eSNE		47	02·0
	Qt	iPZ		46	11·0d
		eSE		47	29·5
		Mu Sec			
		PZ 0·03 0·5			
		△ = 6°8			
		H 13 44 33·0			
		36·1 N 70·4 E			
		Hindukush			
		depth about 240 km			
		Mag: 4·8 (Qt)			
24	Ch	ePZ	17	24	04
		eSNE		29	00
	Lh	ePZ		25	14·0
		eSN*E*		31	11·3
	Wr	ePZ		25	24·4
	Qt	iPZ		26	01·8d
		epPZ		28	08·5
		eSN*		32	38·0
		eScSN		34	50·5
		USCGS H 17 17 45·5			
		38·7 N 129·4 E			
		Near east coast of Korea			
		depth about 522 km			

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Date	Station	Phase	h	m	s
		Mag: 5·3 (CGS)			
24	Wr	iPZ	21	06	55·2
		eSZ		07	26·6
					53·5c
	Qt	iPZ			
		iSNE		09	11·5
		Mu Sec			
		PZ 0·04 0·5			
		△ = 7·2			
		H 21 06 12·1			
		Hindukush region			
		Mag: 4·9 (Qt)			
24	Qt	ePKPZ	21	31	17·5
		USCGS H 21 12 23·2			
		21·7 S 176·2 W			
		Tonga Islands			
		depth about 32 km			
		Mag: 4·8 (CGS)			
24	Ch	ePZ	21	40	39
	Wr	ePZ		41	28·3
	Qt	ePZ		42	04·5c
		esPZ			16·5
		eXZ			54·5
		ePPZ		44	20·5
		USCGS H 21 31 24·2			
		44·5 N 150·3 E			
		Kurile Islands			
		depth about 33 km			
		Mag: 4·7 (CGS)			
24	Lh	ePZ	22	52	38·0
	Wr	ePZ		53	04·2
	Qt	iPZ			07·3c
		epPZ			25·5
		ePcPZ		54	16·2
		ePPZ		55	11·7
		USCGS H 22 44 01			
		7·1 S 106·0 E			
		Off south coast of Java			
		depth about 94 km			
		Mag: 5·5 (CGS)			
25	Qt	ePZ	01	12	58·5
		USCGS H 02 00 06·0			
		6·3 S 145·6 E			
		New Britain region			
		depth about 134 km			
25	Ch	iPZ	07	15	22 c
		eSNE		15	43
		ePZ		17	29±
	Qt	eSE		20	31·5
		USCGS H 07 13 30·8			
		28·5 N 86·8 E			
		Tibet			
		depth about 44 km			
		Mag: 4·5 (CGS)			
25	Qt	ePKPZ	12	28	09·5
		USCGS H 12 09 08·8			
		28·3 S 176·5 W			
		Kermadec Islands region			
		depth about 17 km			
		Mag: 4·5 (CGS)			
25	Qt	ePZ	15	22	08·9
		USCGS H 15 09 17·3			
		5·2 S 153·1 E			
		New Britain region			
		depth about 17 km			
		Mag: 4·6 (CGS)			
25	Qt	ePZ	22	21	54·0
		USCGS H 22 09 00·8			
		5·3 S 153·2 E			
		New Britain region			
		depth about 42 km			
		Mag: 4·8 (CGS)			
26	Qt	ePZ	07	48	56·0
26	Qt	ePKPZ	09	28	44·5
		iXZ			52·0
		epPKPZ		29	20·0
		ePPZ		31	43·0
		ePKSZ		32	17·5
		eSKSN		36	13·7
		eXN			45·0

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Date	Station	Phase	h m s
		iSKKSN	38 31·5
		ePSN*	41 44·0
	Wr	ePKPZ	28 50·0
	Lh	ePKPZ	29 01·0
		epPKPZ	32·0
		ePPZ	32 20·0
	Ch	ePKPZ	29 26
		USCGS H 09 09 33·9	
		16·3 S 71·7 W	
		Southern Peru	
		depth about 116 km	
		Mag: 6·1 (CGS)	
26	Qt	ePZ	10 10 52·6
		USCGS H 10 02 15·0	
		23·1 N 120·4 E	
		Taiwan	
		depth about 37 km	
		Mag: 4·9 (CGS)	
27	Qt	ePZ	01 25 00·0
		epPZ	10·5
		ePPZ	28 15·0
		H 01 12 23·5	
		00·0 17·9 W	
		Mid-Atlantic Ocean	
		depth about 33 km	
		Mag: 5·3 (CGS)	
27	Wr	ePZ	05 34 24·5
	Qt	ePZ	35 03
		esPZ	18·0
		esSE	39 57·0
		USCGS H 05 29 27	
		29·2 N 97·2 E	
		Southern Tibit	
		depth about 33 km	
		Mag: 4·9 (CGS)	
27	Qt	ePZ	20 13 42·5
28	Wr	ePZ	05 55 31·7
	Qt	ePZ	46 00·7
		eXZ	53·5
		USCGS H 05 43 22·1	
		6·3 S 148·7 E	
		New Britain region	
		depth about 33 km	
		Mag: 5·1 (CGS)	
28	Qt	ePZ	09 09 37·5
		USCGS H 09 00 46·9	
		21·7 N 121·6 E	
		Off east coast of	
		Taiwan	
		depth about 33 km	
28	Wr	ePZ	14 09 59·8
	Lh	iPZ	10 39·0d
	Qt	iPZ	59·5d
		iSZ	12 16·4
		Mu Sec	
		PZ 1·0 1·0	
		△ =7°0	
	Kr	iPZ	14 11 56·0d
	Ch	iPZ	14 06 d
		eSNE	18 04
		H 14 09 18·0	
		36·1 N 71·0 E	
		Hindukush felt throughout	
		Northern West Pakistan	
		depth about 196 km	
		USCGS H 14 09 17·1	
		36·5 N 70·9 E	
		Hindukush	
		depth about 207 km	
		Mag: 6·1 (CGS),	
		6·0 (Qt)	
28	Qt	ePZ	16 36 15·0
		USCGS H 16 26 05·6	
		7·0 S 124·5 E	
		Banda Sea	
		depth about 407 km	
		Mag: 5·1 (CGS)	
28	Qt	ePZ	17 56 51 ±
		USCGS H 17 46 16·2	

Date	Station	Phase	h	m	s
		45·3 N 149·8 E			
		Kurile Islands			
		depth about 33 km			
		Mag: 4·4 (GCS)			
29	Wr	ePZ	05	46	58·9
	Qt	ePZ		48	06·7
		eSE		50	02·5
		USCGS H 05 45 58			
		38·7 N 73·2 E			
		Hindukush region			
		depth about 185 km			
		Mag: 3·8 (CGS)			
29	Wr	ePZ	08	57	17·6
	Qt	ePZ			35·4
		epPZ		58	06·0
		ePcPZ			17·2
		USCGS H 08 47 30			
		3·0 N 125·7 E			
		Celebes Sea			
		depth about 133 km			
		Mag: 4·9 (CGS)			
29	Wr	iPZ	13	18	49·2
	Qt	ePZ		19	06·0
		USCGS H 13 07 18			
		2·2 S 139·5 E			
		Near north coast of			
		Western New Guinea			
		depth about 33 km			
		Mag: 4·4 (CGS)			
29	Qt	ePZ	22	42	24·0
		epPZ			40·0
		USCGS H 22 32 20·9			
		41·7 N 141·9 E			
		Near south coast of			
		Hokkaide, Japan			
		depth about 56 km			
		Mag: 4·5 (CGS)			
30	Qt	ePZ	09	15	24·3
		USCGS H 09 06 02			
		11·4 N 121·6 E			
		Sulu Sea			
		depth about 33 km			
		Mag: 4·2 (CGS)			
30	Qt	ePZ	12	27	02·9
		esPZ			17·5
		USCGS H 12 23 10			
		32·7 N 47·8 E			
		Western Iran			
		depth about 33 km			
30	Wr	ePZ	12	47	01·0
	Qt	ePZ			04·4d
		epPZ			43·0
		esPZ			55·0
		USCGS H 12 39 23·8			
		1·7 N 99.6E			
		Northern Sumatra			
		depth about 133 km			
		Mag: 5·4 (CGS)			
30	Qt	ePZ	12	52	59·4d
30	Wr	ePZ	17	30	39·1
	Qt	ePZ		31	09·2c
		epPZ			16·5
		esPZ			20·5
		USCGS H 17 20 13·4			
		23·4 N 143·3 E			
		Volcano Islands region			
		depth about 33 km			
		Mag: 4·7 (CGS)			
30	Qt	ePZ	17	52	13·8
		esPN			32·5
		ePPZ		53	11·0
		ePPZ			29·0
		eSN*		57	18·2
		Mu Sec			
		MH 3·7 20			
		△=31°4			
	Wr	ePZ	17	52	34·6
		USCGS H 17 45 54·6			
		37·3 N 29·9 E			

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Date	Station	Phase	h	m	s
		Near southwest coast of Turkey			
		depth about 41 km			
		Mag: 5·4 (CGS)			
30	Wr	ePZ	18	08	42·8
	Qt	ePZ		09	11·2
30	Qt	ePZ	19	05	02·7
31	Wr	iPZ	00	15	35·3
		iSZ		16	03·0
	Qt	ePZ			40·2
		eSNE		17	58·8
		Mu Sec			
		PZ 0·01 1·0			
		△ = 7·0			
		USCGS H	00	14	58·4
		36·3 N 71·4 E			
		Northeastern Afghanistan			
		depth about 127 km			
		Mag: 4·2 (CGS),			
		4·0 (Qt)			
31	Wr	ePZ	01	18	15·0
	Qt	ePZ		19	20 ±
		eSN		20	35·2
31	Qt	ePZ	04	29	37 ±
		USCGS H	04	17	12·4
		61·5 N 151·9 W			
		Southern Alaska			
		depth about 33 km			
		Mag: 4·9 (CGS)			
31	Qt	ePZ	16	50	14·2
		USCGS 16 40 09·8			
		42·2 N 142·1 E			
		Near south coast of			
		Hokkaido, Japan.			
		depth about 49 km			
		Mag: 4·2 (CGS)			
31	Qt	iPZ	17	02	40·1c
		eXZ			51·2
		eXZ		03	50·1

Date	Station	Phase	h	m	s
		QUETTA			
1		ePZ	02	17	43·2
1		ePZ	03	02	45·5
1		ePZ	04	34	04±
		eSN			27
1		eSE	06	43	00·0
1		ePZ	07	55	48±
		eSN		56	29·0
1		ePZ	17	20	21±
		eSN			35·5
1		ePZ	17	32	00±
1		ePZ	21	15	11±
1		ePZ	21	59	41·5
		eSZ			58·0
1		ePZ	22	38	00±
		eSE			05·0
2		ePZ	01	39	02·0
2		ePZ	02	55	12±
		e(S)E		57	24
2		ePZ	03	45	02±
		iSE			22·5
2		ePZ	05	31	33±
		iSE			40·5
2		ePZ	06	42	31·5
2		ePZ	06	54	57±
2		ePZ	09	03	20±
		eSE			23·0
2		ePZ	10	16	05
		e(S)E		17	10·0
2		ePZ	14	59	46±
2		ePZ	18	27	14·5
2		ePZ	23	09	10·0
		eSN		10	26·5
3		ePZ	04	30	15±
3		e(P)Z	11	16	0
		eSE		16	2
3		ePZ	11	51	15±
		eSN			23
3		ePZ	14	20	32·5
		eSE			35·0
3		ePZ	14	52	24·1
3		eSN	14	56	08·5
3		eSN	15	03	08·0
3		ePZ	15	58	00
3		ePZ	18	24	25·6
3		ePZ		25	06·0
		eSNE	18	30	40·0
3		ePZ	21	14	44±
3		ePZ	23	59	08±
3		ePZ	01	49	35±
4		ePZ			45·5
		eSN	03	53	56·0
4		ePZ	04	13	02·5
4		ePZ		14	00
		e(P)N		06	52 35±
4		ePZ	07	38	48·0d
4		iPZ			59·5
		iSE	11	19	07±
4		ePZ	13	46	39·4
4		ePZ	13	57	51·6
4		ePZ	13	59	24·0d
4		ePZ			40·0
		eSN	16	27	57·0
4		ePZ	16	51	52·0
4		ePZ	17	45	13·0
4		ePZ			20·0
		iSN	17	45	38·9c
4		iPZ			45·5
		iSN	21	12	50.5
4		ePZ	02	32	02±
5		ePZ			11·0
		eSN	04	19	31·5
5		ePZ	05	20	15±
5		ePZ			45·5
		eSE	07	23	36±
5		ePZ		25	16·0
		eSE	08	14	47±
5		ePZ		15	13·0
		e(S)N	15	00	26±
5		ePZ	16	36	10·5
5		ePZ			

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Date	Phase	h	m	s
	eSE			38·0
5	ePZ	17	12	31±
	eSE			46·0
5	ePZ	17	47	51·7
	eSE		48	05·0
5	ePZ	19	05	10·5
	eXZ			43·5
5	eXZ	22	49	20·0
5	ePZ	22	54	00·5
5	ePZ	23	22	37·6
6	ePZ	02	49	10±
	eSE		50	36·5
6	ePZ	04	44	52±
6	e(P)Z	06	08	40·0
6	ePZ	09	31	44·0
6	eSN		32	13·5
6	e(P)Z	10	30	0·0
	eSN		30	5·5
6	ePZ	11	30	00·5
	eXZ			13·0
	e(S)N		33	22·0
6	ePZ	13	57	05·5
6	e(P)Z	17	07	10·5
	e(S)E			15·3
6	ePZ	18	18	30±
	eSN			34·0
6	eXZ	18	20	06·5
6	ePZ	18	21	37·5
	eSE			52
6	ePZ	18	46	33±
6	ePZ	20	22	08·5
6	ePZ	21	30	55±
7	ePZ	02	04	04·0
	eSE		05	24·3
7	ePZ	03	41	22±
	eSE			34·0
7	ePZ	04	36	00
7	ePZ	11	35	49·5
	eSE		36	16·0
7	ePZ	12	16	58±
	eSE		17	24·5
7	ePZ	12	59	05·6c
	eXZ			23·5
7	ePZ	13	03	52·5
	eXZ		04	11·5
7	ePZ	13	22	25·5
7	iPZ	13	27	19·5c
	iSN			23·3
7	ePZ	13	32	48·5
	iSN		33	04·5
7	ePZ	15	52	40±
	iSN			41·5
7	ePZ	19	06	52·2
7	ePZ	19	44	35±
	iSN			54·5
7	ePZ	20	01	28·5
	iSN			34·0
7	ePZ	21	59	36·5
	eSE			50·5
7	ePZ	23	01	21·5
8	ePZ	00	35	22·3
8	ePZ	01	55	06·0
	eSN			28·0
8	ePZ	06	00	04·0
8	ePZ	06	37	31·0
	eSE		38	02·5
8	ePZ	10	38	27±
8	ePZ	12	07	13±
8	ePZ	13	54	28·5
8	ePZ	14	19	21·0
8	ePZ	17	45	05±
8	ePZ	18	22	38·0
8	ePZ	18	51	05·0
	eSE			28·0
8	iPZ	21	30	54·5d
	eSE		32	17·0
8	ePZ	22	37	35±
9	ePZ	01	20	45±
	eSN		22	09·5
9	ePZ	02	32	10±

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Date	Phase	h m s
	eSN	34·0
9	ePZ	08 09 48·5
9	ePZ	14 46 00
	eSE	05·5
9	ePZ	17 49 34·5
9	ePZ	18 05 00
10	ePZ	05 06 13·0
	eSN	38·0
10	ePZ	11 18 30·4
	eSN	19 08±
10	ePZ	12 07 13·5
10	ePZ	14 31 47±
10	ePZ	18 39 39·0
	eSE	59·0
10	ePgZ	21 12 20·5
	eSgE	21·5
10	ePgZ	23 10 00·0
11	ePZ	01 50 35±
	eSN	51 50·5
11	ePZ	08 41 15±5
11	ePZ	14 19 15·5
11	ePZ	20 29 18·4
11	ePZ	20 47 09·5
	eSN	20·5
11	ePZ	23 33 37·5
12	ePZ	03 08 09·0
	eSE	09 37·5
12	ePZ	04 58 07·0
	eSE	10·5
12	ePZ	06 30 37·0
12	ePZ	12 45 27·0
	eSE	48·0
12	e(P)Z	16 29 34·0
	eSN	30 33·0
12	ePZ	17 08 48±
	eSE	09 35·5
12	ePZ	20 24 52·5
	e(S)N	25 11·0
13	ePZ	02 30 50·5
13	ePZ	09 43 55·0
	eSE	44 45·0
13	ePZ	14 23 24±
	eSN	25 36·4
13	ePZ	18 44 53·56
	eSE	45 18·0
13	ePZ	18 54 38·5
	eSN	55 04·5
13	ePZ	19 47 22·0
	eSE	50·0
13	ePZ	20 16 05·0
	eSN	17 25·5
13	ePZ	21 50 13·5
	eSN	40·0
13	ePZ	21 58 38·5
	eSN	59 04·5
14	ePZ	00 35 40±
	eSN	36 50·0
14	ePZ	03 59 28±
14	ePZ	05 18 54·0
	eSN	19 20·5
14	ePZ	05 35 58·0
	eSN	36 08·5
14	ePZ	09 57 00·5
14	ePZ	13 39 56·5
14	ePZ	14 02 31·0
14	ePZ	23 28 53·0
	eSE	30 22·0
15	ePZ	10 31 53.5
	eSE	55·5
15	ePZ	18 00 09·5
	eSE	01 38·5
15	ePZ	20 08 37·0
	eSE	39·5
15	ePZ	23 01 30±
15	ePZ	23 21 51±
	eSN	56·5
16	ePN	09 22 28·0
16	ePZ	12 02 20·0
	iXZ	28·4
16	ePZ	12 47 53·4

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Date	Phase	h	m	s	
	eSE		48	20·5	
16	ePZ	13	50	20±	
	e(S)E		51	43·0	
16	ePZ	14	52	43·6	
16	ePZ	14	57	11·5	d
16	ePZ	19	48	50±	
	eSE		50	07·5	
16	ePZ	23	03	44·0	
16	ePZ	23	24	26·5	
	iSE		26	35·0	
17	ePZ	01	21	43·5	
	iSN			53·0	
17	ePZ	01	51	31·0	
	iSE			48·0	
17	ePZ	01	56	25±	
17	ePZ	04	40	24·0	
	eSE			26·5	
17	ePZ	06	49	00·0	
	eSE			42·5	
17	ePZ	08	37	12·4	
17	ePZ	12	33	08·5	
17	ePZ	13	17	55·7	d
17	ePZ	16	47	35·3	
	eSN		48	51·0	
17	ePZ	19	59	13±	
17	ePZ	22	26	00	
	eSN			44·0	
18	ePZ	00	04	31·5	
	eSN			43·8	
18	ePZ	07	31	20±	
18	ePZ	08	54	25±	
	eSN		55	12	
18	ePZ	13	15	02·5	
18	ePZ	15	00	01·0	
18	ePZ	15	04	11·5	
18	ePZ	17	46	36·0	
18	ePZ	18	29	02·5	
	e(S)N*		33	37·0	
18	ePgZ	18	51	04·2	
	eSgN			05·8	

Date	Phase	h	m	s	
		20	27	21·0	
18	ePZ	21	01	09·5	
18	ePZ	22	54	50·5	
18	ePZ	23	44	52·0	
18	ePZ			55·0	
	eSE	04	36	42±	
19	ePZ	05	45	36·5	
19	ePZ		46	53·5	
	eSE	09	15	43·5	
19	ePZ	10	20	54·5	
19	ePZ		23	03·0	
	e(S)E	11	15	51·2	
19	ePZ	11	21	33±	
19	ePZ	12	07	19·0	
19	ePZ	15	19	20·5	
	eSN			45·5	
19	ePZ	18	58	18·5	
20	ePZ	04	39	06±	
	eSE			15·0	
20	ePgZ	05	32	38·0	
	eSgE			40·5	
20	ePZ	05	51	17·5	
	e(S)E			47·0	
20	ePZ	09	30	07·5	
20	ePZ	10	51	11·5	
20	ePZ	13	56	36·0	
20	ePZ	17	26	55	
	eSN		33	26·0	
20	ePZ	17	30	19·5	
20	ePZ	17	37	52·5	
20	eXZ	20	04	38·0	
20	ePZ	20	23	23·0	
	eSE		25	28·0	
20	ePZ	20	50	15·0	
	iSN			18·0	
20	ePZ	20	57	02·0	
21	ePZ	00	34	33·0	
	eSE		35	13·5	
21	iPZ	03	57	36·5	d
	iSE*		58	07·0	

Date	Phase	h m s
21	ePZ	11 55 44·5
	eSE	56 20·0
21	ePZ	12 09 00.0
	iSE	10 08·5
21	ePZ	12 48 12·0
	iSE	49 30·5
21	ePZ	16 51 08·0
	iSN	34·3
21	ePZ	19 17 45±
22	eXZ	02 35 06±
22	ePZ	02 35 14·0
22	ePZ	02 45 06·0
22	ePZ	04 22 09·0
22	ePZ	10 35 51·9
22	ePZ	13 15 06·0
	iSN	30.5
22	ePZ	13 59 17·5
22	ePZ	14 35 13·0
	eSN	31·0
22	ePZ	17 43 41·2
	eSE	53·0
23	ePZ	00 29 34·0
23	ePZ	02 29 53·0
	iSN	56·5
23	ePZ	05 16 46·0
	eSE	17 35·0
23	ePZ	11 48 10·0
23	ePZ	18 13 02±
	eSN	14 16·0
24	ePZ	01 35 41·5
	eSN	55·5
24	ePZ	06 49 52·0
	iSE	51 12·5
24	ePZ	10 02 45·0
	eSE	04 17·0
24	ePZ	13 59 00
	e(S)N	14 00 14·0
24	ePZ	15 14 09·0
	eSE	15 26·0
24	ePZ	18 25 32·4c
	eSE	54·5
24	ePZ	20 57 37·5
	iSE	48·0
25	ePZ	02 37 29·5
25	ePZ	04 02 30±
25	ePZ	04 20 19±
25	ePZ	05 38 40
	eSE	45·5
25	ePZ	07 30 50·5
25	ePZ	08 20 31±
25	ePZ	08 28 00
25	ePZ	49·5
	eSE	09 15 22·0
25	ePZ	47·5
	eSN	18 48 15·0
25	ePZ	39·5
	eXZ	19 35 26·0
25	ePZ	36 54·5
	eSE	20 32 39.0
25	ePZ	33 42·0
	eSN	20 42 12·0
25	ePZ	18·0
	eSE	20 44 17·0
25	ePZ	23 25 16·5
25	ePZ	00 48 36·5
26	ePZ	00 57 05·5 c
26	iPZ	02 32 24·0 c
	iSN	33 14·5
26	ePZ	09 31 43·0
26	ePZ	10 46 00
	c(S)N	33·5
26	ePZ	10 47 46·0
	e(S)E	48 55·0
26	ePZ	11 36 45·5 d
26	ePZ	11 56 40·0 d
	eSE	51·7
26	ePZ	12 15 15±
26	iPZ	13 09 33·5 d
	iSE	45·5
26	ePZ	14 40 58·5

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Date	Phase	h	m	s
26	ePZ	18	03	55
26	ePZ	19	12	13·0
	eSN			44·5
26	ePZ	20	35	45
26	ePZ	20	53	52·5
	iSN		54	23·5
27	ePZ	01	49	47·8
	eSN			57·0
27	ePZ	02	52	53±
	e(S)E		53	42·5
27	eSZ	04	29	30·5
27	ePZ	04	31	22±
	eSE			26
27	ePZ	15	17	55±
	eSE			56
27	ePZ	19	04	06·0
	ePZ			55·0
27	ePZ	21	42	52·5
	e(S)E		43	41·0
27	ePZ	22	11	00·0
	e(S)E		13	08·5
28	ePZ	06	11	06±
28	ePZ	06	12	47.5
28	ePZ	06	42	50.5
	eSN		43	15.0
28	ePZ	07	24	00
28	ePZ	07	34	15.0
28	ePZ	09	35	38±
	eSE			54
28	ePZ	12	21	28.5
	eSE		22	05.0
28	ePZ	17	29	06.5
28	ePZ	19	12	51.0
	eSN		14	02.0
28	ePZ	19	26	20.0
	eSN		27	39.0
28	ePZ	19	45	04.4
	eSN			19.0
28	ePZ	21	03	55.5
	eSN		04	21.5
28	ePZ	22	12	40.0
29	ePZ	00	12	00.5
29	ePZ	03	36	31.5
29	ePZ	07	45	39.4
29	iPZ	09	09	07.4c
	iSN			12.4
29	iPZ	09	43	05.9d
	iSNE			12.0
29	ePZ	13	04	51.7
	eSE		05	27.4
29	ePZ	18	48	48.0c
29	ePZ	20	33	43.5
	eSN		34	02.5
29	ePZ	22	35	16.5
29	ePZ	23	18	40.5
	eSN		19	59.5
30	ePZ	02	00	10±
	eSN			36.5
30	ePZ	03	45	28.1
30	ePZ	05	40	00
	eSN		41	05.0
30	ePZ	05	53	51.5
30	ePZ	08	35	27±
30	ePZ	08	50	30.5
	eSN		52	00.3
30	ePZ	14	41	52.1
	e(S)E		44	06.9
30	iPgZ	16	43	40.3c
	iSgE			41.5
30	ePZ	18	00	41.8
	iSN			42.8
30	ePZ	21	04	33.2
	e(S)E		05	18.2
30	ePZ	22	08	07.7
31	ePZ	08	17	17.0
31	ePgZ	12	51	41.0
	eSgE			44.0
31	ePZ	14	29	20.0
	e(S)N			30.0
31	ePZ	16	38	45.0

Date	Phase	h	m	s
	WARSAK			
1	ePZ	09	57	03.9
1	ePZ	13	36	12.7
	eSZ			52.3
1	ePZ	23	12	18.4
	eSZ			35.9
2	ePZ	02	54	26.9
2	ePZ	23	08	08.9
	eSZ			38.4
3	ePZ	07	25	38.3
3	ePZ	10	03	33.9
	eSZ		04	14.7
3	ePZ	18	22	47.5
3	ePZ	21	43	58.7
4	ePZ	10	44	18.3
5	ePZ	07	21	30.1
	eSZ		22	21.7
5	ePZ	10	27	45.9
5	ePZ	11	04	02.3
5	ePZ	17	46	53.3
	eSZ		47	21.9
5	ePZ	18	53	02.3
5	ePZ	22	48	30.9
6	ePZ	02	48	16.1
	eSZ			50.0
6	ePZ	05	45	42.7
6	ePZ	06	02	55.4
	eSZ		03	13.4
6	ePZ	11	28	52.2
6	ePZ	13	35	28.6
6	ePZ	16	01	39.8
7	ePZ	10	26	50.2
8	ePZ	12	45	41.1
8	ePZ	12	52	06.0
8	ePZ	14	18	44.4
	eSZ		19	03.9
8	iPZ	21	29	51.6
	iSZ		30	26.6
9	ePZ	11	48	48.8
10	ePZ	22	12	25.9

Date	Phase	h	m	s
		00	04	57.0
12	ePZ	02	00	01.1
12	ePZ	06	28	13.0
12	ePZ			38.7
	eSZ	09	43	26.2
13	ePZ			47.3
	eSZ	17	59	04.5
15	iPZ			43.2
	iSZ	13	49	33.4
16	iPZ	19	47	54.6
	ePZ		48	27.4
	eSZ	23	23	20.2
16	ePZ	01	55	58.8
17	ePZ		56	26.5
	eSZ	16	46	45.6
17	iPZ		47	21.9
	iSZ	19	03	25.6
17	iPZ			47.1
	iSZ	17	06	38.5
18	ePZ		07	05.7
	eSZ	19	17	46.2
19	ePZ	03	58	10.4
21	ePZ	07	55	44.1
21	ePZ	12	47	13.8
21	ePZ			45.4
	eSZ	14	14	33.8
21	ePZ	19	16	37.6
21	ePZ	04	21	33.1
22	iPZ		22	01.2
	iSZ	16	03	41.5
22	iPZ		07	48.2
	eSZ	11	48	26.8
23	ePZ	16	17	56.6
23	ePZ	06	48	55.7
24	ePZ		49	27.2
	eSZ	05	57	10.3
27	ePZ			47.4
	eSZ	09	07	20.5
27	ePZ			46.6
	eSZ	20	44	05.1
27	ePZ			

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Date	Phase	h	m	s
28	ePZ	14	49	09.5
28	ePZ	16	15	51.2
30	iPZ	01	28	23·7
30	ePZ	08	49	34·1
	eSZ		50	05·5
30	ePZ	13	43	18·9
	eSZ			46·6
	LAHORE			
1	eXZ	22	52	30·6
4	eXZ*	16	54	50·0
6	eXZ	15	16	19·0
7	eXN	20	07	08·0
	eXN		08	05·0
8	eXN	21	31	34·0
10	eXN	22	20	24.0
12	eXZ	19	48	20·0
13	eXN	18	36	02·7
	eXN			47·0
14	eXN	01	42	29·0
14	eXN	23	29	52·3
19	eXZ	09	18	05·5
23	eXNE	01	06	50·5
	eXN		07	14·6
24	eXN	21	08	38·0
24	eXZ	21	41	25·5
25	eXZ	07	16	09·0
30	eXZ	17	53	03·0
	eXN		59	02·0
31	eXN	01	18	58.0
	eSZ		19	54·0
	CHITTAGONG			
6	eXZ	14	29	26
6	ePZ	15	12	21·5
7	eXZ	10	52	12
7	eXZ	20	58	16
8	ePZ	04	33	37·0
9	eXZ	09	08	09
9	ePZ	11	48	51·2

Date	Phase	h	m	s
9	ePZ	12	01	37.8
9	eXZ	21	09	21
10	eXE	00	50	29
10	eXE	01	52	31
10	eXE	02	30	37
10	eXE	08	50	15
10	eXE	11	02	16
10	ePZ	22	01	09·5
11	eXZ	09	36	16
11	eXZ	10	31	00
11	eXZ	14	37	29
11	ePZ	19	53	13·1
12	eXZ	01	45	24
12	eXZ	04	51	47
12	ePZ	05	39	18·8
12	eXZ	05	58	17
12	eXZ	07	22	32
12	ePZ	12	53	14·3
12	eXZ	14	39	00
12	eXZ	14	52	48
12	eXZ	17	18	38
13	iSN	12	41	55
13	ePE	13	34	29
13	eXE	22	45	31
13	eXE	23	32	49
14	eXE	09	03	17
14	eXE	14	37	35
15	eXN	00	50	43
15	ePN	02	33	01·4
15	eXE	08	39	58
15	eXE	13	30	58
16	eXE	00	27	48
16	eXN	05	59	26
16	eXN	09	47	05
16	eXN	12	20	17
16	eXN	13	33	19
17	ePN	03	03	40·2
17	eXN	03	34	07
17	eXN	12	13	01
18	eXZ	03	30	26

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Date	Phase	h	m	s
18	eXZ	11	27	27
18	ePZ	12	38	21
18	ePZ	13	48	46·5±
18	ePZ	14	51	36
18	eXZ	23	15	00
19	eXZ	03	53	04
19	eXZ	04	13	05
19	eXZ	07	11	31
19	eXZ	08	52	50·2
19	eXZ	09	20	45
19	eXZ	15	23	11
19	eXZ	16	18	32
19	eXZ	17	10	08
19	eXZ	23	02	52
20	ePZ	04	53	56·0
	epPZ		54	10
20	eXZ	15	25	53
20	ePZ	15	45	18·8
20	eXZ	22	42	37
21	eXE	02	37	43
21	eXE	05	27	51
21	eXE	07	09	33
22	eXZ	18	07	31
22	eXZ	18	37	23
23	eXZ	01	37	12
23	eXZ	05	59	43
23	eXZ	11	27	58
23	ePZ	22	34	25·1
24	eXZ	03	19	11
24	eXZ	04	03	56

Date	Phase	h	m	s
24	eXZ	13	55	21
24	eXZ	18	15	18
24	ePZ	20	43	16·1
24	eXE	21	18	15
24	eXZ	22	49	33
24	eXZ	22	51	46
25	eXE	02	24	22
25	eXE	05	19	54
25	eXN	06	44	58
25	eXZ	11	17	48
25	eXZ	15	20	22
25	eXE	21	46	46
26	eXE	02	01	53
26	eXE	22	08	22
27	eXE	01	56	12
27	eXN	05	33	27
27	eXN	10	16	15
28	ePN	05	53	54
28	eXN	06	03	17
28	eXN	09	10	55
28	eXN	11	31	25
28	eXZ	22	19	09
29	eXZ	09	19	52
29	eXZ	11	03	58
29	eXZ	12	53	10
29	eXZ	13	16	34
30	eXZ	12	44	14
30	eXZ	18	05	48
31	eXE	04	26	28
31	eXE	05	15	22

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Date	Station	Phase	h	m	s
1	Wr	ePZ	01	29	11.2
		iSZ			36.9
	Qt	ePZ		30	15.0d
		eSN		31	32.6
		H 01 28 36.0			
		Hindukush region			
1	Wr	ePZ	01	59	58.5
	Qt	ePZ	02	00	21.6d
		eXZ			31.5
		eXZ		03	43.2
		eXE		10	45.5
		eXE			56.5
		eXE		11	12.5
1	Qt	ePZ	02	44	29.5
		USCGS H 02 34 06.0			
		40.7 N 145.0E			
		South of Hokkaido, Japan			
		depth about 34 km			
		Mag: 4.7 (CGS)			
1	Ch	ePZ	11	29	51
		eSE		31	01
	Wr	ePZ			54.4
	Qt	ePZ		32	34.5
		esPZ			45.5
		eXZ		33	23.8
		eSN		35	58.0
		H 11 28 20.0			
		27.4 N 88.0 E			
		Nepal-Tibet Border			
		depth about 33 km			
		USCGS H 11 28 19.4			
		27.4 N 87.8E			
		Eastern Nepal			
		depth about 33 km			
		Mag: 4.8 (CGS)			
2	Ch	ePZ	09	00	43
		eSN		05	25
	Lh	ePZ		02	47.0
		eSSN*		12	25.0
	Wr	ePZ		03	06.7
	Qt	iPZ			39.0c
		ePPZ			49.5
		esPZ			52.5
		ePPZ		05	19.0
		epPPZ*			37.0
		eSN*		10	44.0
		esSN*		11	02.0
		eS eSE		13	26.0
		esScSE			43.5
		Mu Sec			
		MH 5.4 20			
		△=49 ·°8			
	Kr	ePZ	09	03	43.8
		USCGS H 08 54 48.3			
		24.2 N 122.6 E			
		Near east coast of Taiwan			
		depth about 28 km			
		Mag : 5.0 (CGS)			
		5.9 (Qt)			
3	Qt	ePKPZ	20	23	41.5
		USCGS H 20 05 47.6			
		23.2 S 179.8 W			
		South of Fiji Islands			
		depth about 509 km			
		Mag : 4.4 (CGS).			
3	Wr	ePZ	21	13	23±
	Qt	ePZ			58.5
		epPZ		14	10.0
		esPZ			13.0
3	Wr	ePZ	22	06	41.0
	Qt	ePZ			59.5d
		eXZ		07	08.5
		eXN		12	07.0
4	Wr	ePZ	02	09	06·0
		eSZ			32.8
	Qt	ePZ		10	09.4
		eSE		11	26·5
		H 02 08 30.0			
		Hindukush region			
4	Wr	ePZ	07	13	23·0

Date	Station	Phase	h	m	s
		eSZ			58.3
	Qt	ePZ		14	29.0
		iSE		15	58.0
		H 07 12 35.0			
		Hindukush region			
4	Qt	ePZ	10	13	09.5
		USCGS H 10 02 21.4			
		48.2 N 154.4 E			
		Kurile Islands			
		depth about 40 km			
		Mag : 4.8 (CGS).			
4	Wr	ePZ	22	18	16.2
		eSZ			59.0
	Qt	ePZ		19	23.5
		eSN		21	03.0
		H 22 17 18.0			
		Hindukush region			
4	Kr	ePZ	23	00	44.6
	Wr	ePZ		01	04.3
	Qt	ePZ			07.5
		epPZ			20.2
		USCGS H 22 52 04			
		5.6 S 105.5 E			
		Southern Sumatra			
		depth about 33 km			
		Mag : 5.0 (CGS)			
5	Wr	ePZ	10	04	12.4
		iSZ			46.7
	Qt	ePZ		05	10.8
		eSN		06	31.5
		Mu Sec			
		PZ 0·02 0.8			
		△= 7°.3			
		Hindukush region			
		Mag : 4.4 (Qt)			
5	Qt	ePZ	10	28	56 ±
		eXZ		29	15.7
	Wr	ePZ			12.3
5	Ch	ePZ	11	38	26
		eSNE		44	58

Date	Station	Phase	h	m	s
				39	11.1c
	Lh	ePZ		47	16.0
		eSN*E*		39	49.5
	Wr	ePZ		40	24.5c
	Qt	iPZ			35.0
		epPZ		41	12.0
		ePcPZ		42	41.0
		ePPZ		48	40.0
		eSE*			
		ePKPPKPZ	12	09	50.0
		Mu Sec.			
		MH 11.8 20			
		△= 61°·2			
	Kr	ePZ	11	40	40.7
		eSE		49	06.4
		USCGS H 11 30 15.7			
		36.5N 141.0 E			
		Central Honshu, Japan			
		depth about 46 km			
		Mag: 6¼ (Pas)			
		5.4 (CGS),			
		6.1 (Qt)			
5	Qt	ePKPZ	11	53	20.5
		USCGS H 11 35 18.6			
		19.7 S 179.8W			
		Fiji Islands region			
		depth about 414 km			
		Mag : 5.5 (CGS)			
5	Ch	ePZ	15	29	50.0
		eSE		35	00
	Wr	ePZ		32	06.8
	Qt	ePZ			38.5
		USCGS H 15 23 24			
		23.8 N 126.4 E			
		Ryukyu Islands region			
		depth about 45 km			
		Mag: 4.2 (CGS)			
5	Ch	ePZ	16	24	33
	Wr	ePZ		26	42.3
	Qt	ePZ			59.5
		ePcPZ		27	04.5
		ePPZ			14.5

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Date	Section	Phase	h	m	s
		USCGS H 16 15 08.1			
		3.8 S 141.3 E			
		New Guinea			
		depth about 110 km			
		Mag: 4.5 (CGS)			
5	Qt	ePZ	16	33	40.0
		USCGS H 16 21 50.3			
		3.7 S 140.0 E			
		Western New Guinea			
		depth about 55 km			
9	Ch	ePZ	07	55	32
	Qt	ePZ		56	07.0c
		USCGS H 07 43 40.4			
		52.2 N 171.2 W			
		Fox Islands, Aleutian Islands			
		depth about 33 km			
		Mag: 4.4 (CGS)			
6	Wr	ePZ	13	19	40.6
	Lh	ePZ*			49.0
		ePPZ*		23	00.0
		ePPPZ*		25	03.0
		iSE*		30	10.0
		ePSE*		31	08.0
	Ch	ePZ		19	52
		eSNE		30	16.0
	Qt	iPZ		20	08.0c
		ePPZ		23	34.0
		eSNE		30	39.0
		Mu Sec			
		PZ 0.3 1.5			
		MH 69.7 20			
		△= 86°.2			
	Kr	eFZ	13	20	32.0c
		ePCPZ			36.3
		ePPZ		24	11.0
		eSE		31	34.5
		USCGS H 13 07 25.2			
		55.7 N 155.8 W			
		Kodiak Islands region			

Date	Station	Phase	h	m	s
		depth about 33 km			
		Mag: 6¾ -7 (Pas),			
		6½-6¾ (Bks)			
		6¾ - 7 (Pal.),			
		6.6(Qt.)			
6	Qt	ePZ	13	26	28.5
		USCGS H 13 13 45.2			
		55.8 N 155.9 W			
		Kodiak Islands region			
		depth about 33 km			
		Mag: 5.4 (CGS)			
6	Wr	ePKPZ	14	32	56.8
	Qt	ePKPZ		33	03.0
		ePPKPZ			12.0
		USCGS H 14 13 10.8			
		4.0 S 103.9 W			
		1300 km west of Gala-			
		pagos Islands			
		depth about 33 km			
		Mag: 5.0 (CGS)			
6	Ch	ePZ	15	27	39
		eSNE		33	59
	Wr	ePZ		30	12.1
	Kr	ePZ			14.8
	Qt	iPZ			20.0c
		epPZ			23.5
		ePcPZ			50.0
		eSE		38	58.0
		USCGS H 15 19 38.1			
		10.5 S 120.7 E			
		Sumba Islands region			
		depth about 43 km			
		Mag : 4.9 (CGS)			
6	Ch	ePZ	19	15	24
	Wr	ePZ		17	40.8
	Qt	ePZ		18	13.0c.
		epPZ			20.8
		esPZ			25.0
		USCGS H 19 08 57.8			
		24.0 N 126.4 E			
		Ryukyu Islands region			

Date	Station	Phase	h	m	s
		depth about 33 km			
		Mag: 4.8 (CGS)			
6	Qt	ePZ	19	20	59.0d
6	Qt	ePKPZ	20	51	53.0
		USCGS H 20 32 54.9			
		33.5 S 178.4 W			
		Kermadec Islands region			
		depth about 33 km			
		Mag : 5.0 (CGS)			
6	Qt	ePZ	21	02	57.8
		USCGS H 20 51 06			
		39.2 N 31.0 W			
		Azores region			
		depth about 33 km			
		Mag: 4.3 (CGS)			
7	Qt	ePZ	06	44	16.8c
		epPZ			26.5
		esPZ			33.5
		USCGS H 06 31 21.8			
		5.8 S 154.0 E			
		Solomon Islands region			
		depth about 77 km			
		Mag: 4.6 (CGS)			
7	Ch	ePZ	08	40	33 ±
		eSE		45	46
	Wr	ePZ		42	51.1
	Qt	ePZ		43	23.5d
		epPZ			32.5
		esPZ			43.5
		USCGS H 08 34 09.6			
		23.8 N 126.4 E			
		Ryukyu Islands region			
		depth about 45 km			
		Mag : 4.8 (CGS).			
7	Wr	ePZ	09	41	07.3
	Qt	ePZ			35.0
		USCGS H 09 30 09			
		19.7 N 147.6 E			
		Mariana Islands region			
		depth about 33 km			

Date	Station	Phase	h	m	s
		Mag: 4.6 (CGS)			
7	Ch	iPZ	13	07	17c
		eSNE		14	01
	Lh	ePN*E*		08	22.0
		eSN*E*		16	04.0
	Wr	ePZ		08	28.8
	Qt	iPZ		09	05.3c
		epPZ			18.5
		ePcPZ			44.0
		ePPZ		11	20.0
		eSN		17	24.0
		esSN			45.2
		eScSN		18	53.2
		esScSN		19	13.5
		ePKPPKPZ		38	27.0
		Mu Sec.			
		PZ 0.1 1.0			
		△=61°.7			
	Kr	ePZ	13	09	22.5c
		epPZ			33.8
		USCGS H 12 58 53.6			
		39.8 N 142.8 E			
		Off east coast of Honshu, Japan			
		depth about 45 km.			
		Mag: 5.4 (CGS)			
		5.9(Qt)			
7	Wr	ePZ	21	14	58.3
	Qt	ePZ		16	02.0
		eSN		17	29.0
		H 21 14 09.4			
		Hindukush region			
7	Qt	ePZ	21	47	36.5d
		ePPZ			43.7
		USCGS H 21 38 22.1			
		23.8 N 126.5 E			
		Ryukyu Islands region			
		depth about 45 km			
		Mag: 4.2 (CGS)			
8	Qt	ePZ	06	32	03.0
		eSN		34	59.0

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Date	Station	Phase	h	m	s
	Wr	ePZ		32	25.3
		USCGS H 06 28 25.9			
		36.8 N 50.3 E			
		Northern Iran			
		depth about 33 km			
		Mag:4.7 (CGS)			
8	Ch	ePZ	10	02	53
		eSN		08	30
	Wr	ePZ		05	33.8
	Qt	ePZ			54.8
		epPZ		06	11.0
		USCGS H 09 55 59.9			
		9.2 N 126.2 E			
		Near east coast of Mindanao.			
		Philippine Islands			
		depth about 57 km.			
		Mag : 5.7 (CGS).			
8	Ch	ePZ	11	28	48
		eSNE		37	46
	Wr	ePZ		29	01.0
	Qt	iPZ			34.4d
		ePcPZ			40.5
		epPZ			47.0
		ePPZ		32	23.5
		eSN		39	16.0
		esSN			37.5
		Mu Sec.			
		PZ 0.1 1.0			
		$\triangle$=77°.3			
	Kr	ePZ	11	29	58.0d
		epPZ		30	13.2
		USCGS H 11 17 46.5			
		52.3 N 175.6 E			
		Rat Islands, Aleutian Islands			
		depth about 60 km.			
		Mag : 5.4 (CGS)			
8	Wr	ePZ	11	56	50.3
	Qt	ePZ		57	29$\pm$
		eSE		59	47.4
	Kr	ePZ		58	03.5
		eSZE	12	01	10.0
		USCGS H 11 54 23.1			
		29.0 N 82.2 E			
		Nepal			
		depth about 33 km			
8	Qt	ePZ	19	04	45.0d
		epPZ			53.5
	Wr	ePZ		05	14.5
		USCGS H 18 54 51.2			
		28.4 S 62.6 E			
		Mascarene Island region			
		depth about 33 km.			
8	Qt	ePZ	22	26	48.0c
		USCGS H 22 16 08.7			
		45.9 N 151.3 E			
		Kurile Islands			
		depth about 45 km			
		Mag: 4.7 (CGS).			
9	Qt	ePZ	02	18	00.5
		USCGS H 02 00 07.3			
		16.5 S 1792. W			
		Fiji Islands region			
		depth about 480 Km			
		Mag : 5.3 (CGS)			
9	Qt	ePZ	06	13	14.0
		epPZ			26.5
		esPZ			31.5
		eXZ			46.5
		USCGS H 06 07 30			
		25.6 N 36.4 E			
		Red Sea			
		depth about 33 km			
9	Qt	ePZ	07	43	25.5
		eXZ			30.7
9	Qt	ePZ	08	02	33·0
		eXZ			39·0
9	Wr	ePZ	16	15	23·4c

Date	Station	Phase	h	m	s
	Qt	ePZ			25·0
		epPZ			35·0
		esPZ			40·0

USCGS H 16 08 00·4
3·1 N 96·5 E
Near west coast of Sumatra
depth about 33 km.
Mag : 5·1 (CGS).

9	Wr	ePZ	22	19	01·2
		iSZ			31·7
	Qt	ePZ			58·0c
		eSE	21	17	5

	Mu	Sec
PZ	0·01	0·5

△=7°.1
H 22 18 18·0
Hindukush region
Mag : 4·3 (Qt)

10	Qt	ePZ	00	36	36·5
		ePcPZ		37	18·5

USCGS H 00 26 30
6·3 N 125·8 E
Near south coast of
Mindanao,
Philippine Islands
depth about 33 km
Mag : 5·4 (CGS)

10	Wr	ePZ	03	48	50·2
		eSZ	49	22·2	
	Qt	iPZ			47·7d
		iSE	51	07·0	

	Mu	Sec
PZ	0·04	0·5

△=7°·2
H 03 48 05·0
USCGS H 03 48 05·0
36·4 N 71·0 E
Hindukush
depth about 4.9 km.
Mag : 4·1 (CGS),
4·8 (Qt)

10	Kr	ePZ	17	35	32±
	Wr	ePZ			47±
	Qt	ePZ			56·0
		eXZ		36	10·5
		eXZ			57·5

USCGS H 17 27 07
6·1 S 104·1 E
Near south coast of Sumatra
depth about 126 km.

10	Qt	ePZ	17	37	11·5

USCGS H 17 27 58
6·1 S 104·1 E
Near south coast of
Sumatra.

10	Wr	ePZ	22	13	38·9
	Qt	ePZ		14	25·5
		eSE		16	06·5

USCGS H 22 12 21·0
38·7 N 68·3 E
Tadzhik, S.S.R.
depth about 46 km.
Mag : 4·8 (CGS)

11	Wr	ePZ	00	56	29·3
	Qt	ePZ		57	31·0
		iSE		58	48·5

	Mu	Sec
PZ	0·01	0·6

△=6°·9
Hindukush region
Mag : 4·3 (Qt)

11	Qt	ePKPZ	02	53	25·5
		eXZ		54	41·5

USCGS H 02 34 26·8
19·5 S 174·0 W
Tonga Islands region
depth about 33 km
Mag : 4·9 (CGS).

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Date	Station	Phase	h	m	s
11	Qt	ePZ	03	58	22·5
		epPZ			43·0
		USCGS H 03 49 10·6			
		27·9 N 128·0 E			
		Ryukyu Islands			
		depth about 78 km			
		Mag : 4·8 (CGS)			
11	Qt	ePZ	06	44	55·2
		USCGS H 06 34 31·3			
		44·8 N 149·3 E			
		Kurile Islands			
		depth about 125 km.			
		Mag : 4·2 (CGS)			
11	Qt	ePKPZ	18	40	02·5
		epPKPZ			10·5
		USCGS H 18 21 05.5			
		15·9 S 173·1 W			
		Somoa Islands region			
		depth about 33 km.			
		Mag: 5·2 (CGS)			
12	Qt	ePZ	08	22	23·0
		eXE			26 21·0
	Wr	ePZ			22 30·4
		USCGS H 08 19 24·1			
		39·8 N 53·4 E			
		Turkmen, S. S. R,			
		depth about 33 km.			
		Mag : 5·2 (CGS)			
12	Qt	ePZ	16	49	14·5
12	Qt	ePZ	18	01	39·5
		epPZ			48·8
		USCGS H 17 51 11·3			
		43·6 N 147·2 E			
		Kurile Islands			
		depth about 33 km.			
		Mag: 4·6 (CGS)			
12	Wr	ePZ	20	43	55·6
	Qt	ePZ		44	16·0
		ePcPZ			20·0
		epPZ			26·5
		esPZ			34·0
		eSE*		54	36·0
		ePSE		55	22·2
		USCGS H 20 31 53·2			
		3·5 S 146·6 E			
		Admirality Islands region			
		depth about 33 km.			
		Mag : 5·4 (CGS).			
12	Qt	ePKPZ	22	52	53·5
		USCGS H 22 33 59·2			
		15.3 S 174.4 W			
		Samoa Islands region			
		depth about 33 km			
		Mag : 5¾ (Bks),			
		5.0 (CGS)			
13	Qt	ePZ	01	51	20.5
		epPZ			26.5
		USCGS H 01 42 35.3			
		26.5 N 124.3 E			
		Ryukyu Islands region			
		depth about 33 km			
		Mag : 4.0 (CGS)			
13	Qt	ePZ	02	13	17.0
		USCGS H 02 04 21.1			
		24.9 N 124.9 E			
		Ryukyu Islands region			
		depth about 94 km			
		Mag : 4.3 (CGS)			
13	Qt	ePZ	03	38	08.0
		epPZ			15.5
		USCGS H 03 25 45.1			
		3.5 S 146.6 E			
		Admirality Islands region			
		depth about 33 km			
		Mag : 4.9 (CGS)			
13	Qt	ePZ	05	12	26.5
		eSE		13	44.3
		USCGS H 05 10 47.7			
		34.9 N 72.7 E			
		Hindukush region			

Date	Station	Phase	h	m	s
		depth about 4.6 (CGS)			
13	Wr	ePZ	10	09	28.0
	Qt	ePZ		10	01.8
		esPZ			14.4
		eSN*		14	54.0
		eXN		15	52.2
		USCGS H 10 03 50.6			
		26.1 N 100.9 E			
		Yunan Province, China			
		depth about 33 km			
		Mag : 4.7 (CGS)			
13	Wr	ePZ	13	54	41.2
	Lh	ePZ		55	15.0
	Qt	ePZ			57.0c
		eSN*		57	52.0
		Mu Sec			
		PZ 0.04 0.6			
		△= 10°.4			
	Kr	ePZ	13	56	50.5
	Ch	ePN		58	28
		H 13 53 29.0			
		39.1 N 73.2 E			
		Tadzhik, S.S.R.			
		depth about 100 km			
		USCGS H 13 53 31.1			
		39.4 N 72.7 E			
		Tadzhik, S.S.R.			
		depth about 144 km			
		Mag : 5.6 (Qt)			
14	Qt	ePZ	07	06	15.0
		USCGS H 06 56 02.2			
		37.2 N 141.7 E			
		Near east coast of Honshu, Japan			
		depth about 33 km			
		Mag : 4.4 (CGS)			
14	Wr	ePZ	08	27	53.8
		eSZ		28	25.5
	Lh	ePZ*			35.0
		iSNE		29	39.0
	Qt	ePZ		28	47.6
		eSE			30 04.5
		Mu Sec			
		PZ 0.05 0.5			
		△= 6°.8			
		H 08 27 09.0			
		36.5 N 70.5 E			
		Hindukush			
		depth about 220 km			
		Mag : 5.0 (Qt)			
14	Qt	ePZ	15	53	48.0
		eSE*		55	52.0
		USCGS H 15 51 12.1			
		29.2 N 54.5 E			
		Southern Iran			
		depth about 47 km			
		Mag : 4.7 (CGS)			
14	Qt	ePZ	16	26	54.2d
14	Ch	ePN	16	40	22
	Lh	ePZ		42	01±
	Wr	ePZ			14.6
	Qt	ePZ			29.5c
		ePPZ*		46	01.0
		ePPPZ*		47	49.0
		eSKSE*		52	52.0
		eSE*		53	08.0
		Mu Sec			
		MH 8.8 20			
		△= 87°.4			
	Kr	ePZ	16	42	30.6
		ePcPZ			36.1
		ePPZ		46	07.3
		eSKSE		52	52.3
		eSE		53	06.8
		USCGS H 16 29 45.0			
		5.1 S 151.7 E			
		New Britain			
		depth about 55 km			
		Mag : 6.0 (CGS), 6.2 (Qt)			
15	Qt	ePZ	09	20	26.0
		eSE		22	38.5

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Date	Station	Phase	h	m	s
15	Qt	ePZ	13	19	55.5c
		epPZ		20	08.2
		USCGS H 13 07 26.1			
		52.7 N 168.2 W			
		Fox Islands, Aleutian Islands			
		depth about 50 km			
		Mag : 4.6 (CGS)			
15	Qt	ePZ	16	45	54.0c
		epPZ		46	08.0
		esPZ			12.0
		USCGS H 16 33 08.0			
		4.8 S 152.4 E			
		New Britain			
		depth about 71 km			
		Mag : 5.5 (CGS)			
15	Qt	ePZ	22	06	16.0
		eXZ			22.5
15	Qt	ePZ	22	45	51.0
15	Wr	ePZ	23	55	01.0
		eSZ			37.1
	Qt	ePZ			51 ±
		eSE		57	10.0
16	Qt	ePZ	00	20	29.5
		esPZ			34.7
		ePPZ			39.0
		ePPPZ			44.2
		eSN*		23	04.0
		eSSN			19.5
Kr		ePZ	20	45	.0
Wr		ePZ	21	20	.0
Lh		ePZ			46.3
		eSN*	25	28	.5
		H 00 17 12.0			
		29.9 N 50.7 E			
		Southern Iran			
		USCGS H 00 17 15.7			
		30.1 N 51.2 E			
		South-western Iran			
		depth about 37 km			
		Mag : 5.3 (CGS)			

Date	Station	Phase	h	m	s
16	Lh	ePN	10	07	48 ±
	Wr	ePZ		08	25.5
	Qt	ePZ			46 ±
		eSN		10	19.0
16	Qt	ePZ	21	11	43.5
		epPZ			56.5
		USCGS H 21 01 22.0			
		44.0 N 147.1 E			
		Kurile Islands region			
		depth about 80 km			
		Mag : 4.6 (CGS)			
16	Ch	ePNE	21	45	12.3
		eSNE		53	52
	Wr	ePZ		47	05.2
	Qt	ePZ			21.0
		epPZ			28.5
		ePPZ		50	48.5
		eSKSE*		57	50.0
		eSE*		58	06.0
		ePS		59	10.0
		USCGS H 21 34 32.3			
		5.6 S 152.0 E			
		New Britain			
		depth about 49 km			
		Mag : 5.6 (CGS)			
17	Wr	ePZ	05	58	50.0
	Qt	ePZ		59	21.1
		eXZ			26.0
		epPZ			31.5
		eXZ			47.0
		USCGS H 05 50 41.8			
		23.1 N 120.6 E			
		Southern Formosa			
		depth about 33 km			
		Mag : 4.9 (CGS)			
17	Wr	ePZ	08	15	14.2
		eSZ			43.4
	Qt	ePZ		16	16.2
		eSN		17	36.0
		H 08 14 33.0			

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Date	Station	Phase	h	m	s
15	Qt	ePZ	13	19	55.5c
		epPZ		20	08.2
		USCGS H 13 07 26.1			
		52.7 N 168.2 W			
		Fox Islands, Aleutian Islands			
		depth about 50 km			
		Mag : 4.6 (CGS)			
15	Qt	ePZ	16	45	54.0c
		epPZ		46	08.0
		esPZ			12.0
		USCGS H 16 33 08.0			
		4.8 S 152.4 E			
		New Britain			
		depth about 71 km			
		Mag : 5.5 (CGS)			
15	Qt	ePZ	22	06	16.0
		eXZ			22.5
15	Qt	ePZ	22	45	51.0
15	Wr	ePZ	23	55	01.0
		eSZ			37.1
	Qt	ePZ			51 ±
		eSE		57	10.0
16	Qt	ePZ	00	20	29.5
		esPZ			34.7
		ePPZ			39.0
		ePPPZ			44.2
		eSN*		23	04.0
		eSSN			19.5
Kr		ePZ	20	45	.0
Wr		ePZ	21	20	.0
Lh		ePZ			46.3
		eSN*	25	28	.5
		H 00 17 12.0			
		29.9 N 50.7 E			
		Southern Iran			
		USCGS H 00 17 15.7			
		30.1 N 51.2 E			
		South-western Iran			
		depth about 37 km			
		Mag : 5.3 (CGS)			

Date	Station	Phase	h	m	s
16	Lh	ePN	10	07	48 ±
	Wr	ePZ		08	25.5
	Qt	ePZ			46 ±
		eSN		10	19.0
16	Qt	ePZ	21	11	43.5
		epPZ			56.5
		USCGS H 21 01 22.0			
		44.0 N 147.1 E			
		Kurile Islands region			
		depth about 80 km			
		Mag : 4.6 (CGS)			
16	Ch	ePNE	21	45	12.3
		eSNE		53	52
	Wr	ePZ		47	05.2
	Qt	ePZ			21.0
		epPZ			28.5
		ePPZ		50	48.5
		eSKSE*		57	50.0
		eSE*		58	06.0
		ePS		59	10.0
		USCGS H 21 34 32.3			
		5.6 S 152.0 E			
		New Britain			
		depth about 49 km			
		Mag : 5.6 (CGS)			
17	Wr	ePZ	05	58	50.0
	Qt	ePZ			59 21.1
		eXZ			26.0
		epPZ			31.5
		eXZ			47.0
		USCGS H 05 50 41.8			
		23.1 N 120.6 E			
		Southern Formosa			
		depth about 33 km			
		Mag : 4.9 (CGS)			
17	Wr	ePZ	08	15	14.2
		eSZ			43.4
	Qt	ePZ		16	16.2
		eSN		17	36.0
		H 08 14 33.0			

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Date	Station	Phase	h m s
		Hindukush region	
		ePZ	09 47 31.5
17	Qt	ePZ	15 59 03.4
17	Wr	ePZ	46±
	Qt	eXZ	16 00 26.5
		eXZ	02 48.5
		ePZ	18 20 05.1
17	Wr	eSZ	38.8
		ePZ	21 04.5
	Qt	eSN	22 22.5
		Mu Sec	
		PZ 0.03 0.5	
		△= 6°.9	
		H 18 19 23.0	
		Hindukush region	
		Mag : 4.8 (Qt)	
		ePZ	00 46 06.0
18	Qt	USCGS H 00 37 07.0	
		17.5 N 121.3 E	
		Luzon, Philippine Islands	
		depth about 56 km	
		Mag : 4.5 (CGS)	
		ePZ	03 49 51
18	Ch	eSNE	50 53
	Wr	ePZ	52 44.4
	Qt	ePZ	53 23.5
		esPZ	29.2
		ePPZ	49.5
		ePPPN	54 00.0
		eSN*	57 18.0
		Mu Sec	
		PZ 0.05 1.0	
		△= 21°.6	
		H 03 48 34.0	
		27.7 N 91.6 E	
		Bhutan	
		depth about 33 km	
		USCGS H 03 48 35.6	
		27.5 N 91.1 E	
		Bhutan	
		depth about 30 km	
		Mag : 5.6 (CGS),	
		5.0 (Qt)	
		ePZ	04 56 47.1
18	Wr	ePZ	57 13.2
	Qt	epPZ	26.0
		USCGS H 04 45 42.0	
		14.2 N 146.5 E	
		Mariana Islands	
		depth about 78 km	
		Mag : 5.0 (CGS)	
		ePKPZ	05 01 09.6
18	Qt	USCGS H 04 42 47.7	
		15.5 S 175.0 W	
		Tonga Islands region	
		depth about 289 km	
		Mag : 4.8 (CGS)	
		ePZ	11 11 58.0
18	Wr	eSZ	12 29.7
		ePZ	37.0
	Lh	eSN	13 38.0
		ePZ	12 56.6
	Qt	eSN	14 15.6
		Mu Sec	
		PZ 0.2 1.0	
		△= 7°.1	
		H 11 11 14.0	
		36.5 N 71.0 E	
		Hindukush	
		depth about 190 km	
		USCGS H 11 11 16.8	
		36.2 N 71.0 E	
		Hindukush	
		depth about 226 km	
		Mag : 5.3 (Qt)	
18	Qt	ePZ	12 31 05.0
	Wr	ePZ	13±
		USCGS H 12 19 20.6	
		38.8 N 28.4 W	
		Azores	
		depth about 33 km	

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Date	Station	Phase	h m s
		Mag : 4.6 (CGS)	
18	Qt	ePZ	12 33 44.5
		eXE*	39 50.0
18	Wr	ePZ	17 08 52 6
		eSZ	09.24.1
	Lh	ePZ	33.0
		eSZ	10 35.0
	Qt	ePZ	09 49.4
		eSN	11 05.4
		Mu Sec	
		PZ 0.2 1.0	
		△=6°.7	
	Kr	ePZ	17 10 51.5
		eSE	12 54.0
		H 17 08 11.0	
		36.1 N 70.5 E	
		Hindukush	
		depth about 190 km	
		USCGS H 17 08 10.2	
		36.3 N 70.7 E	
		Hindukush	
		depth about 223 km	
		Mag : 5.0 (CGS), 5.3 (Qt)	
18	Lh	ePZ	22 53 51.5
	Qt	ePZ	54 30.8
		epPZ	40.0
		USCGS H 22 43 52.5	
		45°.0 N 150.6 E	
		Kurile Islands	
		depth about 40 km	
		Mag : 4.5 (CGS)	
19	Qt	ePZ	00 45 58±
		USCGS H 00 34 14.5	
		38.9 N 28.5 W	
		Azores	
		depth about 33 km	
		Mag : 4.5 (CGS)	
19	Qt	ePZ	06 45 20.5
		USCGS H 06 33 36.5	
		38 9.N 28.6 W	
		Azores	
		depth about 33 km	
		Mag : 4.5 (CGS)	
19	Ch	ePZ	09 22 23.1
		eSN	27 54
	Qt	iPZ	25 02.2c
		epPZ	13.5
		esPZ	17.5
		ePPZ	27 09.2
		eSE*	32 46.0
		USCGS H 09 15 29.4	
		9.6 S 107.3 E	
		Off south coast of Java	
		depth about 48 km	
		Mag : 5.0 (CGS)	
19	Qt	ePKPZ	15 54 22.5
	Wr	ePKPZ	25.3
		USCGS H 15 25 58.9	
		21.4 S 70.7 W	
		Near coast of northern Chile	
		depth about 80 km	
		Mag : 5.2 (CGS)	
19	Qt	ePZ	20 36 57±
		eXN	37 12.5
		eXN	39 46.2
		eXN	41 21.5
20	Qt	ePZ	02 59 08.5c
		epPZ	18.5
		USCGS H 02 47 14.9	
		51.7 N 175.6 E	
		Rat Islands, Aluetian Islands	
		depth about 33 km	
		Mag : 4.6 (CGS)	
20	Qt	ePZ	03 38 52.7c
		USCGS H 03 26 58.0	
		51.5 N 175.8 E	
		Near Aleutian Islands	
		depth about 33 km	
		Mag : 4.7 (CGS)	
20	Qt	ePZ	04 03 35.0
		USCGS H 03 51 40.2	

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Date	Station	Phase	h m s
		Near Aleutian Islands	
		depth about 33 km	
		Mag : 4.5 (CGS)	
20	Qt	iPZ	08 46 19.5c
		epPZ	31.5
		USCGS H 08 35 36.2	
		46.6 N 152.5 E	
		Kurile Islands	
		depth about 50 km	
		Mag : 4.8 (CGS)	
20	Ch	ePZ	10 02 58
		eSN	10 21
	Lh	ePZ	03 46.0
		epPZ	04 01.0
		eSN*	11 52.0
	Wr	ePZ	03 50.2
	Qt	ePZ	04 26.5
		epPZ	40.0
		ePcPZ	57.2
		ePPZ	06 52.0
		isN	13 07.0
		esSN	28.2
		Mu Sec	
		MH 3.6 20	
		△= 65°.4	
	Kr	ePZ	10 04 52±
		eSE	13 46.1
		USCGS H 09 53 51.1	
		44.6 N 150.0 E	
		Kurile Islands	
		depth about 150 km	
		Mag : 5.2 (CGS),	
		5.9 (Qt)	
20	Qt	ePKPZ	12 22 29.0
		USCGS H 12 03 18.7	
		14.5 N 93.0 W	
		Near coast of Chiapas,	
		Mexico	
		depth about 49 km	
		Mag : 4.4 (CGS)	
20	Wr	ePZ	16 27 32.7
		eSZ	28 04.9
	Qt	ePZ	32.0c
		eSN	29 51.5
		H 16 26 50.0	
		Hindukush region	
21	Qt	ePZ	01 06 05±
		eSE*	07 42.0
	Wr	ePZ	06 43.4
		USCGS H 01 04 00.6	
		34.4 N 58.1 E	
		Iran	
		depth about 33 km	
		Mag : 5.0 (CGS)	
21	Wr	ePZ	14 02 12.3
	Qt	ePZ	14.5c
		epPZ	26.5
		USCGS H 13 53 06.0	
		6.7 S 105.5 E	
		Sunda Straight	
		depth about 33 km	
		Mag : 5.2 (CGS)	
21	Qt	ePZ	17 26 31.2
		esPZ	48.5
		USCGS H 17 14 45	
		38.3 N 28.7 W	
		Azores	
		depth about 33 km	
		Mag : 4.8 (CGS)	
22	Qt	ePKPZ	02 06 01.0
		USCGS H 01 47 32.1	
		36.9 S 176.9 E	
		Near coast of North Island,	
		New Zealand	
		depth about 203 km	
		Mag : 5.1 (CGS)	
22	Wr	ePZ	08 48 45.4
		eSZ	49 24.1
	Qt	iPZ	48.6c
		eSN	51 20.0

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Date	Station	Phase	h m s
		Mu Sec	
		PZ 0.02 0.5	
		△= 8°.3	
		Mag : 4.6 (Qt)	
22	Qt	ePKP	09 09 34.0
		epPZ	47.0
		USCGS H 08 50 35.0	
		30.1 S 177.3 W	
		Kermadec Islands	
		depth about 33 km	
		Mag : 5.1 (CGS)	
22	Qt	ePZ	14 22 19.0
		epPZ	28.5
		USCGS H 14 11 38	
		1.3 S 127.2 E	
		Halmohera region	
		depth about 33 km	
		Mag : 4.4 (CGS)	
22	Qt	ePZ	18 01 44.2
		epPZ	55.5
		USCGS H 17 50 56.2	
		48.5 N 154.9 E	
		Kurile Islands	
		depth about 60 km	
		Mag : 5.3 (CGS)	
22	Wr	ePZ	21 24 48.4
	Qt	iPZ	25 20.5d
		epPZ	33.5
		ePcPZ	26 39.8
		USCGS H 21 16 27.5	
		24.1 N 123.2 E	
		Ryukyu Islands	
		depth about 48 km	
		Mag : 5.2 (CGS)	
23	Qt	ePZ	00 17 48.1
		USCGS H 00 06 59.0	
		48.6 N 154.7 E	
		Kurile Islands	
		depth about 33 km	
		Mag : 5.0 (CGS)	
23	Qt	ePZ	19 52 37.1
		USCGS H 19 40 52	
		38.5 N 28.6 W	
		Azores region	
		depth about 33 km	
		Mag : 4.5 (CGS)	
23	Qt	ePZ	22 48 09.5
		epPZ	17.5
		eXZ	44.7
		ePPN	49 40.2
		eSN*	53 53.0
		eSSN*	56 11.0
		Mu Sec	
		MH 5.4 20	
		△= 37°.2	
	Wr	ePZ	22 48 25.8
		USCGS H 22 41 06.3	
		39.2 N 23.7 E	
		Aegean Sea	
		depth about 33 km	
		Mag : 4.5 (CGS),	
		5.7 (Qt)	
24	Qt	ePZ	09 59 30.5
		epPZ	37.0
		eSN*	10 05 18.0
		Mu Sec	
		MH 3.5 20	
		△= 37°.7	
	Wr	ePZ	10 00 03.3
		USCGS H 09 52 18.7	
		7.3 S 67.8 E	
		Chagos Archipelago region	
		depth about 33 km	
		Mag : 5.2 (CGS),	
		5.5 (Qt)	
24	Qt	ePZ	11 25 07.5
		eXZ	14.5
		eXZ	21.2
	Wr	ePZ	32.8
24	Qt	ePZ	13 48 28.2
		esPZ	42.5
		USCGS H 13 39 00.6	

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Date	Station	Phase	h m s
		31.2 N 131.3 E	
		Near south coast of Kyushu,	
		Japan	
		depth about 33 km	
		Mag : 4.2 (CGS)	
24	Qt	ePZ	23 37 30.0
		USCGS H 23 30 24.6	
		39.2 N 23.8 E	
		Aegean Sea	
		depth about 16 km	
		Mag : 4·4 (CGS)	
25	Qt	ePZ	00 46 35·5d
		ePcPZ	42·0
		epPZ	46·0
		ePPZ	49 43·0
		eSKSN*	56 43·0
		eXN*	57 16·0
		Mu Sec	
		MH 5·7 20	
		△=79°.0	
	Ch	ePZ	46 56
	Wr	ePZ	47 01·3
		USCGS H 00 34 32·0	
		44·7 S 37·5 E	
		Prince Edward Islands	
		region	
		depth about 33 km	
		Mag : 6·7 (CGS),	
		6·1 (Qt)	
25	Wr	ePZ	02 38 34·7
	Qt	iPZ	38·5
		epPZ	48·5
		eSN	46 31·0
		USCGS H 02 28 55·5	
		9·1 S 110·7 E	
		Off south coast of Java	
		depth about 81 km	
25	Wr	ePZ	04 13 23.5
	Qt	iPZ	56·6d
		eXZ	14 21·5
		eXZ	53·0
		USCGS H 04 04 29·0	
		32·1 N 137·7 E	
		South of Honshu, Japan	
		depth about 374 km	
		Mag . 4.8 (CGS)	
25	Qt	ePZ	10 15 18·1c
		USCGS H 10 04 37·5	
		45·4 N 151·3 E	
		Kurile Islands	
		depth about 50 km	
		Mag . 4·3 (CGS)	
25	Wr	ePZ	13 39 15·1
	Qt	ePZ	40 20·5
		epPZ	31·5
		USCGS H 13 36 45·6	
		36·0 N 83·9 E	
		Sinkiang Province,	
		China	
		depth about 42 km	
25	Qt	ePZ	15 28 08·0d
	Wr	ePZ	29 03·8
25	Qt	ePZ	21 08 53±
		USCGS H 20 57 30·6	
		11·5 N 142·0 E	
		400 km south west of	
		Guam	
		depth about 16 km	
		Mag : 4·7 (CGS)	
25	Qt	ePKPZ	23 42 28·2
		USCGS H 23 23 33·3	
		30·1 S 177·9 W	
		Kermadec Islands	
		depth about 51 km	
		Mag : 4·8 (CGS)	
26	Wr	ePZ	08 22 14·8
		eSZ	23 05·9
	Qt	ePZ	22·5
		eSE	25 05·0
26	Qt	ePZ	09 19 37·2

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Date	Station	Phase	h	m	s
		eSE	21	41	0
		Mu Sec			
	PZ	0·03 1·0			
		△= 11°·1			
	Wr	ePZ	09	20	41·5
		USCGS H 09 16 55·2			
		27·3 N 54·5 E			
		Southern Iran			
		depth about 33 km			
		Mag : 4·6 (CGS),			
		5·0 (Qt)			
26	Wr	ePZ	18	24	23·0
	Qt	ePZ			41·5
		ePcPZ		25	35·5
		ePPZ		26	58·0
		eXZ		29	18·5
		eSN		32	52·0
		eScSN		34	22·0
		USCGS H 18 14 37·9			
		4·4 N 126·2 E			
		Talaud Islands region			
		depth about 132 km			
		Mag : 5·3 (CGS)			
26	Qt	ePKPZ	21	36	06·5
		epPKPZ			17·5
		USCGS H 21 17 08·1			
		20·7 S 174·4 W			
		Tonga Islands			
		depth about 33 km			
		Mag : 5·0 (CGS)			
27	Qt	iPZ	02	40	43·4d
		epPZ			52·0
		ePPZ		42	30·5
		eSE*		47	26·0
	Wr	ePZ		41	25·4
		USCGS H 02 32 23·7			
		7·6 S 39·6 E			
		Near coast of			
		Tanganyika			
		depth about 33 km			
27	Qt	ePZ	06	40	52·5
		eXZ		41	21·7
		USCGS H 06 28 36			
		4·5 S 143·4 E			
		Northeast New Guinea			
		depth about 37 km			
		Mag : 5·2 (CGS)			
27	Wr	ePZ	09	05	11·8
	Qt	ePZ		06	16·0
		USCGS H 09 02 22·8			
		44·0 N 79·2 E			
		Kazakh. S.S.R.			
		depth about 33 km			
		Mag : 4·5 (CGS)			
27	Qt	ePKPZ	11	54	40·5
		USCGS H 11 35 32·4			
		18·9 N 104·0 W			
		Near coast of Colima,			
		Mexico,			
		depth about 33 km			
		Mag : 4·5 (CGS)			
27	Qt	ePZ	13	25	18·0
		USCGS H 13 15 27·1			
		5·3 N 123·7 E			
		Celebes Sea			
		depth about 92 km			
27	Ch	iPZ	15	11	28c
	Lh	ePZ	15	18	0
		ePPZ*			39·0
		eSN*	18	53	0
		eSSN*	19	31	0
	Wr	ePZ	15	54	4
	Kr	ePZ	16	10	3d
		epPZ			31·9
		eSE	20	30	0
	Qt	iPZ	16	15	5d
		epPZ*			36·0
		esPZ*			56·0
		ePPZ*	17	01	0
		eSE*	20	40	0

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Date	Station	Phase	h	m	s
		eSSE*	21	45	0·0
		Mu Sec			
		PZ 0·2 2·0			
		MH 25·1 2·0			
		△= 26°·3			
		H 15 10 47·0			
		22·0 N 94·6 E			
		Burma			
		depth about 100 km			
		Widely felt throughout			
		East Pakistan			
		USCGS H 15 10 48·4			
		21·7 N 94·4 E			
		Central Burma			
		depth about 102 km			
		Mag : 6·4 (CGS),			
		6·0 (Qt)			
28	Ch	ePZ	17	48	18·6
	Lh	ePZ*		52	03·0
		eSN*E*		56	07·0
	Wr	ePZ		52	37·9
	Kr	ePZ			41·0
		epPZ			54·2
		ePPZ		53	25·5
	Qt	iPZ		52	52·0d
		epPZ		53	04·5
		esPZ			18·0
		eSN*		57	33·0
		eXE	58	11	5
		Mu Sec.			
		MH 7·5 20			
		△= 28°·1			
		H 17 47 01·3			
		17·7 N 04·5 E			
		West coast of Burma			
		depth about 40 km			
		USCGS H 17 47 05·9			
		18·2 N 94·3 E			
		Near west coast of			
		Burma			
		depth about 43 km			
		Mag : 5·3 (CGS),			
		5·6 (Qt)			
29	Qt	ePZ	04	37	40·5
		USCGS H 04 31 41·5			
		53·5 N 90·9 E			
		Southern Siberia			
		depth about 33 km			
		Mag : 4·5 (CGS)			
29	Qt	ePZ	07	14	46·5
		epPZ		15	05·0
		USCGS H 07 04 18·3			
		47·0 N 150·9 E			
		Kurile Islands			
		depth about 110 km			
		Mag : 4·6 (CGS)			
29	Ch	ePZ	15	28	26±
	Lh	ePZ*		29	47·0
		eNE*		37	30·0
	Wr	ePZ		29	56·3
	Qt	ePZ		30	30·0
		epPZ			41·6
		esPZ			46·0
		ePcPZ		31	09·5
		ePPZ		32	47·5
		eSN*		38	54·0
		Mu Sec			
		MH 4·7 20			
		△= 62°·6			
		USCGS H 15 20 12·8			
		34·8 N 141·7 E			
		Off east coast of			
		Honshu, Japan			
		depth about 34 km			
		Mag : 5·1 (CGS),			
		5·9 (Qt)			
29	Wr	ePZ	18	26	23·4
		eSZ			49·2
	Qt	ePZ		27	20·0
		eSN		28	30·5

Date	Station	Phase	h	m	s
		H 18 25 49·0			
		Hindukush region			
29	Qt	iPZ	19	52	28·4d
		eXZ		53	07·6
		USCGS H 19 42 43·9			
		29·9 N 139·1 E			
		South of Honshu,			
		Japan			
		depth about 322 km			
		Mag : 4·4 (CGS)			
29	Qt	ePKPZ	20	32	40·5
		USCGS H 20 13 41·6			
		18·2 S 172·8			
		Tonga Islands			
		depth about 33 km			
		Mag : 5·1 (CGS)			
29	Ch	ePZ	23	56	45
		eSNE	00	01	19
	Lh	ePZ	23	58	59·0
		iSE	00	06	19·0
		eScSN*E*		08	34

Date	Station	Phase	h	m	s
		eSSN*		10	09
	Wr	ePZ	23	59	24·3
		eSZ	00	07	06·5
	Qt	ePZ	23	59	29·0
		ePcPZ	00	00	24·0
		ePPZ		01	42·5
		eXZ		04	07·5
		iSN		07	17·0
		eScSE		09	09·5
		eSSE*		11	08·0
		ePKPPKPZ		29	17·0
		Mu Sec.			
		PZ 0·1 1·0			
		△ = 56°·8			
		USCGS H 23 49 40·8			
		8·5 S 112·7 E			
		Near south coast of			
		Java			
		depth about 73 km			
		Mag : 5·8 (CGS),			
		5·8 (Qt)			

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Date	Phase	h m s
	QUETTA	
	ePZ	18 19 01·0
1	eSE	04·0
	ePZ	18 30 13·0
1	ePZ	23 25 30·0
1	eSE	46·0
	ePZ	00 34 54·0
2	ePZ	00 38 37·5
2	ePZ	04 53 00
2	eSE	54 07·5
	ePZ	07 21 15±
2	ePZ	21 14 14·4
2	eSE	18·0
	ePZ	23 28 00
2	ePZ	00 20 20·0
3	ePZ	06 12 11·5
3	ePZ	06 26 32·5
3	eSE	27 05·5
	ePZ	10 59 20·0
3	cPZ	15 18 17·0
3	esN	33·0
	ePZ	15 30 48·0
3	eSE	31 05·0
	ePgZ	19 04 36·5
3	iSgE	38·5
	cPZ	19 05 43·5
3	ePZ	21 37 35±
3	e(S)E	38 28·5
	ePZ	04 50 32·5
4	eSE	54·5
	ePZ	04 55 00±
4	ePZ	09 04 10±
4	ePZ	09 58 53±
4	e(S)E	10 00 54·0
	ePZ	15 57 39±
4	e(S)N	59 30·5
	ePZ	00 29 18·5
5	cSNE	28·5
	ePZ	01 18 45·0
5	eSE	
	ePZ	17 35 48·0
5	eSE	36 13·5
	ePZ	17 50 39±
5	ePZ	21 33 08·0
5	ePZ	00 07 06·5
6	ePZ	01 06 59·5
6	ePZ	02 20 50·5
6	ePZ	21 19·0
	eXZ	34·5
	eXZ	03 04 11±
6	ePZ	34·0
	eSE	06 35 13·5
6	ePZ	07 20 00
6	cPZ	12·0
	eSE	08 11 23·2
6	ePZ	09 49 09·0
6	ePZ	30·5
	eSE	12 29 41±
6	ePZ	30 56·5
	eSE	13 29 48
6	ePZ	18 47 35·5
6	ePZ	48 57·0
	eSE	19 35 55±
6	ePZ	20 66 59
6	ePZ	08 53·0
	c(S)E	23 22 12±
6	ePZ	00 42 52·5
7	ePZ	08 59 48·0
7	ePZ	11 11 16·0
7	ePZ	00 34 10·5
8	ePZ	36 04·5
	c(S)E	02 47 04±
8	cPZ	48 28·0
	iSE	02 56 18·0
8	ePZ	56·5
	eSZ	04 14 25±
8	ePZ	08 00 00
8	ePZ	51·0
	eSN	09 58 26±
8	ePZ	

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Date	Phase	h	m	s
	eSE		59	12·0
8	ePZ	10	10	45·0
8	ePZ	13	12	02·2
	eSE			11·0
8	ePZ	15	28	50±
	e(S)E		29	51·5
8	ePZ	15	42	24·5
	eSE			50·0
8	ePZ	16	48	59·0
	eSE		50	20·0
8	ePZ	17	18	49·0
	eSN		19	05·5
8	ePZ	20	13	37·0
	eSE			56·5
8	ePZ	21	08	14·5
8	ePZ	21	09	06·0
	eSE			19·5
8	ePZ	23	17	41·0
	eSE		18	59·5
9	ePZ	01	34	48·5
9	eSE	01	46	28·5
9	ePZ	03	33	22·6c
	iSN			24·6
9	ePZ	05	01	59·5
	eSE		03	21·5
9	ePZ	06	03	00
	eSE		04	56·0
9	ePZ	18	34	28·1
9	ePZ	20	23	27·0
	eSE			35·0
9	ePZ	22	31	00
	eSE		32	07·5
10	ePZ	03	33	01·0
10	ePgZ	10	18	02·5
	iSgE			05·0
10	ePZ	13	39	13±
	e(S)E		41	40·5
10	ePZ	14	33	54·0
	eSE		34	53·5
10	ePZ	15	36	51·0
	eSE		38	10·5
10	ePZ	17	13	50·4
	eSE		15	38·0
10	ePZ	19	40	50·0
10	ePZ	19	49	16·0
10	ePZ		51	24·0
	e(S)N	21	43	24±
10	ePZ			39·0
	eXZ	22	11	47·5
10	ePZ		12	14·0
	eSE	22	29	29·5
10	ePZ	22	37	19·5
10	ePZ			46·0
	eSE	22	48	30·5
10	ePZ	22	53	03·5
10	ePZ			27·5
	eSN	23	35	29·0
10	ePgZ			30·7
	eSgE	23	39	03·5
10	ePZ			27·5
	eSE	05	49	08±
11	ePZ			34·0
	iSN			49·0
	iXE	10	31	18±
11	ePZ			43·0
	eSE*	10	59	59·5
11	ePZ	11	00	40·0
	eSE*	12	07	15·0
11	ePZ		08	08·5
	e(S)Z	19	10	38·0
11	ePZ		11	03·5
	eSE	19	12	55·6
11	ePZ	21	31	02·0
11	ePZ		32	23·5
	eSN	21	39	43±
11	ePZ	03	40	10·5
12	ePZ	09	20	52·5
12	ePZ		23	02·5
	eSE	09	57	36·0
12	ePZ			44·0
	eSE			

Date	Phase	h m s
12	ePZ	12 20 29±
	eSN	22 37·0
12	ePZ	19 08 37·5
12	ePZ	21 08 38·0
12	ePZ	23 44 50·0
	eSN	45 02·0
13	ePZ	01 16 10±
	eSE	23·5
13	ePZ	01 32 23±
	eSE	33 32·5
13	ePZ	08 35 21·2
13	ePZ	10 45 07±
13	ePZ	10 48 16·5
	eSZ	49 02·5
13	ePZ	15 35 53±
13	ePZ	21 24 00±
	eXZ	44·2
14	ePZ	00 00 39·0
	eSE	46·5
14	ePZ	00 43 53·5
14	ePZ	00 59 44·6
	eSE	01 01 02·0
14	ePZ	05 50 17·5
	eSN	38·5
14	eXZ	06 20 02·0
14	eXZ	11 37 59·0
14	ePZ	20 26 31±
	eSN	49·2
14	ePZ	20 32 17±
14	ePZ	22 07 39·0
	eSE	08 55·0
15	ePZ	05 57 07·5
	eSN	23·0
15	ePZ	07 14 43±
15	ePZ	10 14 23±
	eSE	15 45·0
15	ePKPZ	14 16 22·2
15	ePZ	15 49 54·5
15	ePZ	19 21 02±
15	ePZ	19 45 48·0
	eSN	46 42·5
15	ePZ	22 15 19·2
	eSN	23 00 49·0
15	ePZ	52·5
	eSN*	00 17 01·0
16	ePZ	04 50 37·0
16	ePZ	53·5
	eSN	06 09 56.0
16	ePZ	11 10 11·0
16	eSN	11 38 21·5
16	ePZ	18 07 02·2
16	ePZ	19 05 56·5
16	ePZ	00 01 11·5
17	ePZ	05 49 25±
17	ePZ	51 07·0
	e(S)N	08 39 44·5
17	ePZ	40 19·0
	eSN	12 40 13±
17	ePZ	40·2
	eSN	13 29 22·0
17	ePZ	40·2
	eSN	14 39 12±
17	ePZ	19 12 29·2
17	ePZ	20 43 51·0
	eSN	44 16·5
17	ePZ	20 59 51±
18	ePZ	08 13 33±
18	ePZ	08 19 09·0
	eSN	30·7
18	ePZ	08 35 29·5
	eSN	36 57·5
18	ePZ	10 29 04·0
	eSN	30 22·5
18	ePZ	13 30 46·2
18	iPZ	17 19 30·2c
	eXE	23 04·0
18	ePZ	17 37 27±
	eSN	35·2
18	ePZ	23 07 02·0
19	iPZ	00 12 04·6d

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Date	Phase	h	m	s
	eSE		13	33·6
19	ePZ	04	25	37·5
	eSE		27	07·5
19	ePZ	05	06	55·4
	eSE		08	08·5
19	ePZ	06	45	35·2
	eSN			40·5
19	ePZ	10	19	09·0
	eSN		20	28·0
19	ePZ	14	15	58·7
19	ePZ	16	48	44·0
	e(S)N		51	45·0
19	ePZ	20	49	37·0
	eSN		50	00·0
19	ePZ	20	51	34·5
	eSN		52	56·0
20	ePZ	03	42	36·8
20	ePZ	06	25	02±
	eSE		26	00
20	ePZ	06	36	36±
	e(S)E		37	12·0
20	ePZ	07	33	47·5
20	ePZ	20	12	48·0
	eSN		13	14·0
20	ePZ	22	58	04·1
20	ePZ	23	59	16±
21	ePZ	00	16	07·5
21	ePZ	02	40	20±
21	ePZ	05	49	21·5
21	e(P)Z	08	20	32·5
21	ePZ	12	54	00·0
21	ePZ	14	44	46·5
21	iPZ	15	16	07·2d
	eSN*			14·0
21	ePZ	17	40	31·0
	eSN		41	51·5
21	eSE	18	45	50·5
21	ePZ	19	44	26±
21	ePZ	22	57	38·6
	eSN			45·5

Date	Phase	h	m	s
22	ePZ	01	57	22±
	eXZ		58	11·0
22	ePZ	02	21	03±
22	ePZ	11	51	52±
22	ePZ	16	14	13·0
	eXZ		15	42·1
	eXZ		16	22·5
22	ePZ	19	15	45·0
	eXZ		16	10·5
23	ePZ	02	02	38·2
23	ePZ	06	57	06·7
23	ePZ	20	40	54·0
	eXZ		41	29·0
23	ePZ	23	25	37±
24	ePZ	02	31	30·5
	eSN		32	52·5
24	ePZ	04	15	02±
	eSE			06·0
24	ePZ	05	25	58·0
24	ePZ	07	41	44±
	eSN		44	10·4
24	ePZ	10	24	52·5
	eSE		25	09·5
24	ePZ	11	37	32±
24	ePZ	13	24	04±
	eSN		25	23·5
24	ePZ	22	08	44.0
	eSN			46·7
25	ePZ	10	19	10±
25	ePZ	03	21	15·5
25	ePZ	11	49	49·0
	eSN		50	21·2
25	e(P)Z	16	01	46·5
	eSN		02	05·0
25	ePZ	16	22	01·5
	eSN		23	16·0
25	eSE	16	57	07·0
25	ePZ	17	44	03·0
	eSE		45	20·5
25	eSN	21	23	36·5

Date	Phase	h	m	s
		23	34	46·0
25	e(P)Z		35	48·0
	eSN	01	21	00·0
26	ePZ			21·9
	eSN	03	05	35·5
26	ePZ	07	07	59+
26	ePZ		09	28·5
	eSE	07	37	41·2
26	ePZ		38	10·8
	eSE	13	17	50±
26	ePZ		18	07·5
	eSN	15	18	15±
26	ePZ			34·0
	eSN	16	38	59·0
26	ePZ	18	08	22·5
26	ePZ		09	38·0
	eSN	18	15	56±
26	ePZ		18	03·5
	eSN	19	36	02·2
26	ePZ	21	24	34·2
26	ePZ		26	20·5
	eXE	05	29	04·5
27	ePZ	06	46	52±
27	ePZ		48	09·7
	eSE	10	00	25·5
27	ePZ		01	45·0
	eSE	13	48	41·0
27	ePZ	14	11	07·2
27	eSZ			25·1
	iPZ	17	34	30·9d
27	eSE			43·0
27	eSE	20	23	58·5
27	ePZ	23	44	04·5
27	ePZ	08	17	16·2
28	eSN			18·3
28	ePZ	15	20	52±
	eSE		22	01·5
28	ePZ	16	56	41·8
28	ePZ	17	00	30·8
28	ePZ	17	15	42±
28	e(P)Z	17	32	28±
28	ePZ	20	50	52·3
28	ePZ	20	57	32±
28	ePZ	00	16	28·5
29	ePZ		18	06·5
	eSE	00	32	28±
29	ePZ	03	04	03·5
29	ePZ			28·5
	eSE	07	19	51·5
29	ePZ		20	14·0
	eSN	08	11	37·5
29	ePZ	10	22	55·2
29	ePZ	21	42	18·5
29	ePZ			33·4
	eSN			

WARSAK

2	ePZ	12	44	21·5
	eSZ			2·8
2	ePZ	23	25	40·3
3	ePZ	16	16	06·8
3	ePZ	19	06	08·2
4	ePZ	15	56	43·8
	eSZ		57	30·0
4	ePZ	19	59	12·5
5	ePZ	02	36	14·1
	eSZ			44·1
5	ePZ	06	08	17·2
5	ePZ	07	11	10·6
	ePZ	11	31	57·2
	ePZ	14	24	33·5
6	iPZ	12	28	35·7
	iSZ		29	02·4
6	ePZ	18	46	21·0
	eSZ			42·6
6	ePZ	20	50	24·5
7	ePZ	12	53	21·8
8	ePZ	00	33	10·0
8	ePZ	01	18	00.0
8	eSZ			41·2
8	ePZ	02	46	18·1
	iSZ			48·8

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Date	Phase	h	m	s
8	ePZ	07	58	32·1
	eSZ			55·7
8	ePZ	08	47	18·5
	eSZ			57·7
8	ePZ	16	47	59·5
8	ePZ	23	16	42·1
	eSZ		17	13·3
9	ePZ	01	34	55·2
9	ePZ	18	36	00·8
	eSZ			26·3
10	ePZ	06	43	57·2
	eSZ		44	48·7
10	ePZ		36	23·4
	ePZ		51	15·5
10	ePZ	15	35	52·0
			36	23·4
		16	50	37·9
10	ePZ	19	48	15·7
10	ePZ	21	26	50·2
10	ePZ	21	46	33·8
11	ePZ	10	32	09·1
11	ePZ	11	02	43·7
11	ePgZ	17	32	23·3
13	ePZ	05	11	11·0
	iSZ			30·3
14	ePZ	22	06	43·0
	eSZ		07	16·2
15	iPZ	16	45	11·7
	iSZ			39·3
17	ePZ	05	48	29·2
17	iPZ	08	15	14·2
	iSZ			43·4
17	ePZ	14	38	05·3
17	ePZ	19	18	58·0
17	ePZ	22	18	57·0
17	ePZ	22	44	43·6
17	ePZ	04	40	08·8
18	ePZ			41·6
	eSZ	08	34	12·3
18	iPZ			31·5
	iSZ			

Date	Phase	h	m	s
		07	25	00·0
19	iPZ	08	18	04·0
19	ePZ			31·7
	eSZ	16	18	18·8
19	ePZ	20	50	33·6
19	iPZ		51	05·3
	eSZ	06	23	59·8
20	ePgZ	06	35	11·3
20	ePZ	04	09	09·3
21	ePZ			33·0
	eSZ	08	18	10·3
21	iPZ			39·0
	iSZ	17	39	32·3
21	ePZ		40	04·0
	eSZ	16	20	35·0
22	ePZ			58·2
	eSZ	16	47	57·3
23	iPZ		48	17·5
	iSZ	23	41	41·1
23	ePZ	13	23	08·5
24	iPZ			43·2
	iSZ	01	19	34·0
26	iPZ		20	00·2
	eSZ	07	06	55·2
26	ePZ		07	34·5
	eSZ	13	17	11·3
26	ePZ			22·4
	eXZ			46·7
	eSZ	18	07	17·8
26	ePZ			43·1
	eSZ	21	23	38·4
26	ePZ	06	45	49·2
27	ePZ	09	59	21·8
27	iPZ			49·5
	iSZ	15	49	14·8
27	ePZ	15	19	38·8
28	iPgZ			50·4
	iSgZ	01	26	26·2
29	ePZ			37·8
	eSZ	01	27	47·8
29	ePZ			

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Date	Phase	h	m	s
	eSZ			57·5
29	ePZ	08	17	59·0
	LAHORE			
1	eXNE	01	30	50·5
6	eXN	18	46	49·0
	eXN		47	29·0
6	eXN*	19	24	07·0
6	eXN	20	49	50·0
	eXN		50	19·3
8	eXN*	11	56	41·0
	eXE		57	25·0
	eXZ*		58	14·0
8	eXN*	19	23	44·0
9	eXN	22	19	41·0
	eXN		20	43·0
10	eXZ	17	12	47·2
	eXN		13	39·5
10	eXZ	17	35	41·0
	eXZ		36	28·0
	eXZ			41·7
	eXN*		43	14·0
10	eXZ	22	14	26·2
	eXZ		15	57·5
11	eXZ	00	58	25·0
12	eXZ*	20	43	43·0
13	eXZ*	05	11	57·0
13	eXZ*	10	09	24·0
	eXN		13	20·0
14	eXN	22	07	35·5
	eXN		08	27·5
15	eXNE	23	56	55·0
17	eXZ	05	50	38·0
	eXZ		51	14·0
17	eXNE	08	16	54·0
17	eXZ	16	00	22·0
	eXN		01	11·0
	eXN			30·0
17	eXZ	18	20	48·0
	eSZ		21	47·0
17	eXZZ*	18	52	26·0
	eXZ	03	54	52·0
18	eXZ		57	08·0
	eXZ	08	34	58·0
18	eXZ		35	17·0
	eXZ			52·0
	eSZN			
	eXZ	15	45	34·0
19	eXZ*	01	12	35·0
21	eXZN	17	51	12·0
22	eXN*	22	55	08·0
23	eXZ	00	46	54·5
25	eXN*	13	42	02·0
25	eXN	18	08	57·5
26	eXZ	09	08	16·0
27	eXN	15	20	44·0
28	eXN		21	02·0
29	ePN	18	28	06.0
29	iSZ	22	58	33·4
			59	02·0
	KARACHI			
11	ePZ	11	00	31·1
	eSE		01	41·0
14	ePZ	15	53	58·4
27	ePZ	09	06	11·5
	CHITTAGONG			
1	eXZ	09	31	10
1	eXE	10	48	13
1	eXE	13	29	46
2	eXZ	05	43	55
2	eXZ	06	51	53
2	eXZ	07	29	39
2	eXZ	13	14	08
2	eXE	23	04	33
3	eXZ	08	34	13
3	eXZ	10	56	49
3	eXZ	19	04	33
3	ePZ	21	11	53·4±
3	ePZ	22	02	19±

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Date	Phase	h	m	s
	eSN		03	02
4	eXE	03	29	13
4	eXZ	09	03	34
4	ePZ	10	11	56·5
4	eXE	13	59	05
4	eXZ	15	29	58
4	eXE	23	08	59
5	ePZ	05	25	27·8
5	eXZ	08	50	10
5	eXE	10	34	35
5	eXZ	11	50	46
	iXE		57	53
5	eXZ	13	25	43
5	eXZ	13	32	16
5	eXZ	17	29	53
5	eXE	21	38	23
5	eXE	22	40	29
6	eXZ	09	32	36
6	eXZ	13	04	14
6	ePZ	13	26	12·6
6	eXZ	14	33	33
6	eXE	21	41	17
6	eXZ	22	52	11
7	eXZ	06	42	09
7	eXZ	07	17	40
7	eXZ	21	44	47
8	eXZ	01	07	38
8	eXZ	06	37	11·0
8	eXE	07	18	47
8	ePN	11	56	59·0
	eSN		59	00
8	eXZ	15	21	00
8	ePZ	19	04	42·1
9	eXN	03	05	40
9	eXN	14	41	10
9	eXN	16	34	47
9	eXN	19	33	43
9	eXN	21	46	09
9	eXN	22	31	36
10	eXN	00	34	08
10	eXZ	17	33	46
10	eXZ	22	17	44
11	eXN	02	53	27
11	eXN	03	59	17
11	eXN	12	55	37
12	eXE	05	43	46
12	eXE	11	28	56
12	ePN	20	42	20±
12	eXN	22	50	17
13	eXE	00	17	28
13	ePN	03	35	43±
13	eXN	05	15	49
13	eXN	10	05	58
13	iXE	18	36	51
13	eXE	22	39	09
14	eXE	00	17	18
14	eXE	03	56	18
14	eXE	05	11	40
14	eXE	17	09	50
14	ePN	22	21	46
14	eXN	23	55	50
15	eXE	04	13	38
15	eXE	06	34	02
15	eXE	22	13	30
15	eXE	22	58	24
16	eXE	05	37	23
16	eXE	06	29	05
16	eXN	08	55	49
16	eXE	10	15	32
16	eXE	21	31	44
16	eXE	23	10	07
17	eXE	04	53	36
17	ePE	05	56	20·1
18	ePZ	04	54	50·0
	eXZ		56	01
18	ePZ	10	46	56·3
18	eXZ	12	33	56
18	eXN	17	17	31
19	eXN	00	01	21
19	eXN	03	34	58

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Date	Phase	h m s
19	eXN	17 36 14
19	eXN	21 39 30
19	eXN	22 45 14
20	ePZ	02 58 19·0
20	ePZ	03 38 03·0
20	ePZ	04 02 45·2
20	eXN	04 29 17
20	ePZ	08 45 00·0
20	eXN	10 26 39
20	iXZ	12 38 52
20	eXN	16 25 29
20	eXN	18 22 05
21	eXZ	01 12 29
21	eXN	07 00 27
22	eXZ	18 00 28
22	ePZ	21 22 39±
23	eXZ	23 29 33
24	eXZ	10 12 54
24	eXZ	11 23 34
25	eXZ	21 09 38
25	eXZ	22 04 24
26	eXZ	04 44 [illegible]
26	eXZ	07 48 40
26	eXZ	17 56 28
26	ePZ	18 21 42·0
26	eXZ	22 00
	eSN	27 27
	iXN	31 46
26	eXZ	20 30 46
26	eXZ	23 04 48
26	ePZ	23 23 09·0
27	eXZ	00 43 39
27	eXE	06 40 41
27	ePZ	09 07 38·2
27	eXN	13 22 13±
27	eXZ	14 11 49
28	eXN	22 48 37
28	eXE	02 11 43
28	eXZ	03 38 52
29	ePZ	05 35 04
		07 13 27·5

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Date	Station	Phase	h	m	s
1	Qt	ePZ	02	53	21.5c
		USCGS H 02 40 21.6			
		7.1 S 155.4E			
		Solomon Islands			
		depth about 100 km			
		Mag : 4.8 (CGS)			
1	Qt	ePZ	08	10	54.5
		USCGS H 08 02 03.8			
		18.8 N 120.6 E			
		Luzon, Philippine			
		Islands			
		depth about 50 km			
		Mag : 4.8 (CGS)			
1	Qt	ePZ	11	33	03.5
		USCGS H 11 22 22.9			
		45.3 N 150.6 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 4.4 (CGS)			
1	Qt	ePZ	13	04	19.5
		USCGS H 12 54 37.3			
		7.8 N 122.5 E			
		Mindanao, Philippine			
		Islands			
		depth about 31 km			
2	Qt	ePKPZ	12	58	20±
		USCGS H 12 39 17.6			
		13.9 N 91.1 E			
		Near coast of Guatemala			
		depth about 130 km			
		Mag : 4.6 (CGS)			
2	Qt	ePZ	16	48	42.8c
2	Wr	ePZ	18	48	46.0
	Qt	ePZ		49	22.1
		USCGS H 18 39 12.2			
		41.1 N 142.6 E			
		Off east coast of			
		Honshu, Japan			
		depth about 29 km			
		Mag : 4.8 (CGS)			
		(CGS)			
2	Wr	ePZ	18	52	26.7
	Qt	ePZ		53	17.0
		eSN		54	59.0
		H 18 51 05			
2	Wr	ePKPZ	19	51	20.4
	Qt	ePKPZ			27.5
		ePPKPZ			46.5
		ePKSE*		58	22.0
		USCGS H 19 32 41.7			
		18.9 S 174.8 W			
		Tonga Islands			
		depth about 105 km			
		Mag : 5.3 (CGS)			
2	Wr	ePZ	20	59	01.6
	Qt	ePZ			49.6
		eSE	21	01	37.0
		H 20 57 33			
2	Qt	ePZ	23	46	12.3
3	Wr	ePZ	00	34	31.6
		eSZ		35	00.0
	Qt	ePZ			29.5
		eSN		36	49.5
		Mu Sec			
		PZ 0.01 0·5			
		△ = 70°.1			
		H 00 33 48			
3	Wr	iPZ	09	28	13.8
		iSZ			46.0
	Qt	ePZ		29	11.0
		eSE		30	31.0
		H 09 27 30			
3	Qt	ePKPZ	15	31	12.0
		USCGS H 15 12 14.9			
		30.4 S 177.9 W			
		Kermadec Islands			
		region			
		depth about 33 km			

Date	Station	Phase	h	m	s
		Mag : 4.3 (CGS)			
3	Qt	ePZ	17	08	37.5
	Wr	ePZ		09	36.4
3	Qt	ePZ	17	14	48.0
3	Qt	iPZ	17	33	14.5c
		USCGS H 17 29 55.5			
		Solomon Islands region			
		depth about 422 km			
		Mag : 4.8 (CGS)			
3	Qt	ePZ	19	47	10
		USCGS H 19 37 06.7			
		37.3 N 140.9 E			
		Near east coast of Honshu, Japan			
		depth about 80 km			
		Mag : 4.4 (CGS)			
3	Wr	ePZ	19	51	35.0
	Qt	ePZ		52	43.5
		eSE		54	54.0
		USCGS H 19 50 13			
		37.3 N 76.9 E			
		Sinkiang Province, China			
		depth about 256 km			
3	Qt	ePZ	21	44	54.0
		eXZ		45	04.5
3	Lh	ePZ	21	48	56.5c
		eSN*E*		56	24.0
	Wr	iPZ	21	49	18.6d
	Qt	ePZ			37.5c
		eSN		57	40.0
		Mu Sec			
		PZ 0.1 1.0			
		△= 59°.5			
		USCGS H 21 39 31.0			
		4.8 N 125.5 E			
		Celebes Sea			
		depth about 77 km			

Date	Station	Phase	h	m	s
		Mag: 4.9 (CGS)			
		5.8 (Qt)			
3	Wr	iPZ	21	53	52.4c
	Qt	ePZ		54	04.0d
4	Qt	ePZ	00	59	35.0
		USCGS H 00 48 09*			
		44.1 N 30.4 W			
		Azores region			
		depth about 33 km			
		Mag : 4.2 (CGS)			
4	Ch	ePZ	04	14	50.2
	Wr	iPZ		17	18.3d
	Qt	ePZ			31.0c
		USCGS H 04 06 27.6			
		7.1 S 129.5 E			
		Banda Sea			
		depth about 120 km			
		Mag : 5.3 (CGS)			
4	Qt	ePZ	07	26	46·5
		USCGS H 07 17 41·2			
		4·2 N 123·1 E			
		Celebes Sea			
		depth about 588 km			
		Mag : 5·0 (CGS)			
4	Qt	ePZ	07	51	20·5d
4	Qt	ePZ	12	59	58·5c
4	Qt	ePZ	13	10	46±
4	Ch	ePZ	15	32	44·1
	Qt	iPZ		35	07·4c
		USCGS H 15 24 07·6			
		6·3 S 130·2 E			
		Banda Sea			
		depth about 171 km			
		Mag : 5·7 (CGS)			
4	Qt	ePZ	16	28	04·0
	Wr	ePZ			05·1
		USCGS H 16 16 30·9			
		43·6 N 29·3 W			
		Azores region			

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Date	Station	Phase	h	m	s
		depth about 33 km			
		Mag : 4·8 (CGS)			
4	Qt	ePZ	17	38	27·5
	Wr	ePZ			32·1
		USCGS H 17 33 43·3			
		43·3 N 46·1 E			
		Eastern Caucasus			
		depth about 58 km			
4	Qt	ePZ	19	32	38
		iPZ		22	41·5
4	Wr	ePZ		44	59·8
	Qt	ePZ		45	12·0
		USCGS H 22 34 06·3			
		6·8 S 129·8 E			
		Banda Sea			
		depth about 108 km			
		Mag : 5·2 (CGS)			
5	Wr	ePZ	00	10	25·8
	Qt	ePZ		11	07·0
		USCGS H 00 01 19·6			
		11·5 N 126·0 E			
		Near coast of Leyte,			
		Philippine Islands			
		depth about 40 km			
		Mag : 4·7 (CGS)			
5	Wr	iPZ	02	04	46·4c
		iSZ		05	15·3
	Qt	ePZ			50·7
		eSNE		07	09·0
		H 20 04 09			
5	Qt	ePZ	06	12	46·4
	Wr	ePZ			59·7
		USCGS H 06 00 41·3			
		42·2 S 96·4 E			
		Indian Ocean			
		East of Kerguelen			
		Islands			
		depth about 40 km			
		Mag : 5·5 (CGS)			

Date	Station	Phase	h	m	s
5	Qt	ePZ	15	40	25·5
5	Qt	ePZ	19	48	46·4
	Wr	ePZ			57·0
5	Qt	ePZ	22	39	49·5c
		epPZ		40	02·0
		eXZ			39·5
		USCGS H 22 27 22·7			
		52·8 N 170·0 W			
		Fox Islands, Aleutian			
		Islands			
		depth about 33 km			
		Mag : 4·1 (CGS)			
6	Qt	ePZ	00	07	09±
6	Ch	ePZ	02	44	58·1
	Wr	ePZ		46	00·0
	Qt	ePZ			45·5
		USCGS H 02 36 36·3			
		41·1 N 142·5 E			
		Off north east coast of			
		Honshu, Japan			
		depth about 34 km			
		Mag : 4·8 (CGS)			
6	Qt	ePZ	06	31	14·5
6	Ch	ePZ	13	04	50·6
	Qt	ePZ		06	05·2
		USCGS H 12 54 35·9			
		4·2 S 134·6 E			
		Near coast of western			
		New Guinea			
		depth about 33 km			
6	Wr	ePZ	15	33	11·5
		iSZ			47·4
	Qt	ePZ		34	01·0
		eSE		35	17·0
		H 15 32 22			
6	Ch	ePZ	19	08	04
		eSE		16	50
	Lh	ePZ		09	42·0
		epPZ			58

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Date	Station	Phase	h	m	s
		eSN*E*	20	03	·0
				56	·0
	Wr	ePZ			
	Qt	ePZ	10	11	·0c
		epPZ		25	·5
		eSKSE*	20	40	·0
		eSN	21	03	·0
		Mu Sec			
		MH 1·7 20			
		△= 91°·0			
		USCGS H 18 57 16·1			
		6·1 S 154·4 E			
		New Britain region			
		depth about 74 km			
		Mag : 6(Pal),			
		5·8 (CGS),			
		5·9 (Qt)			
6	Qt	iPKPZ	21	25	17·2c
	Wr	ePKPZ			17·6
	Lh	ePKPZ			28·0
	Ch	ePKPZ			49·5
		USCGS H 21 05 50·2			
		19·7 S 70·5 W			
		Northern Chile			
		depth about 50 km			
		Mag : 5·3 (CGS)			
7	Ch	ePZ	07	29	25·0
	Wr	ePZ		32	21·2
	Qt	ePZ			24·0
		USCGS H 07 25 03·9			
		3·5 N 97·1 E			
		Northern Sumatra			
		depth about 33 km			
		Mag : 5·3 (CGS)			
7	Qt	ePZ	07	53	43·7c
		USCGS H 07 44 08·1			
		71·7 N 1·4 W			
		Jan Mayen Islands			
		region			

Date	Station	Phase	h	m	s
		depth about 33 km			
		Mag : 4.5 (CGS)			
7	Qt	iPZ	11	12	20.5d
		USCGS H 11 01 12.1			
		4.1 S 130.33 E			
		Banda Sea			
		depth about 33 km			
		Mag : 4.2 (CGS)			
7	Lh	ePZ	21	18	34.0
	Wr	ePZ			43.4
	Qt	ePZ			58±
		USCGS H 21 06 06.9			
		5.6 S 152.7 E			
		New Britain			
		depth about 62 km			
		Mag : 4.8 (CGS)			
7	Qt	ePKPZ	23	31	18.0c
		USCGS H 23 13 25.4			
		19.9 S 177.9 W			
		Fiji Islands			
		depth about 534 km			
		Mag : 4.5 (CGS)			
8	Qt	ePZ	01	54	33.0
	Wr	ePZ			35.6
8	Qt	ePZ	02	04	56±
8	Qt	ePZ	02	06	57.2
8	Qt	ePZ	03	33	00±
8	Qt	ePZ	17	52	20.5c
		USCGS H 17 39 35			
		4.7 S 152.7 E			
		New Britain			
		depth about 83 km			
		Mag : 4.4 (CGS)			
8	Qt	ePZ	18	03	52.7
		USCGS H 17 51 06.5			
		4.6 S 152.6 E			
		New Britain region			
		depth about 69 km			

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Date	Station	Phase	h m s
		Mag : 4.7 (CGS)	
9	Qt	ePZ	00 48 14.2
9	Wr	ePZ	01 09 13.4±
	Qt	ePZ	10 17±
		eSN	11 42.0
		H 01 09 27	
9	Qt	ePZ	01 38 59.0
		eSE	40 10.2
		H 01 37 15	
9	Wr	iPZ	10 28 08.4c
		iSZ	35.1
	Lh	ePZ	49.0
		iSNE	29 47.0
	Qt	iPZ	29 13.5d
		iSN	30 31.5
		Mu Sec	
		Pz 0.03 0.7	
		△ = 7°.0	
		H 10 27 32	
		36.1 N 71.3 E	
		Hindukush	
		depth about 160 km	
		USCGS H 10 27 33.1	
		36.2 N 71.5 E	
		Hindukush	
		depth about 132 km	
		Mag : 4.8 (CGS), 4.6 (Qt)	
9	Wr	iPZ	19 41 43.7c
		iSZ	42 14.4
	Lh	ePZ	25.0
		iSNE	43 26.0
	Qt	iPZ	42 42.8d
		iSE	44 00.5
	Ch	ePZ	45 51.5
		Mu Sec	
		PZ 0.15 0.8	
		△ = 6°.9	
		H 19 41 02	
		36.2 N 70.7 E	
		Hindukush	
		depth about 191 km	
		USCGS H 19 41 01.3	
		36.5 N 70.9 E	
		Hindukush	
		depth about 181 km	
		Mag : 5.3 (CGS)	
10	Qt	ePZ	05 39 21.5
		e(S)E	41 38.5
10	Qt	ePZ	07 11 07.4
		USCGS H 07 02 08*	
		6.3 S 104.4 E	
		Near west coast of Sumatra	
		depth about 62 km	
		Mag : 5.2 (CGS)	
10	Ch	iPZ	14 07 22d
		esPZ	55
		ePPN	09 01
		ePcPZ	22
		eSNE	13 19
	Lh	ePZ	09 38.0
		eSE*	17 30.0
	Wr	iPZ	09 56.4c
	Kr	iPZ	10 08.0d
		epPZ	36.5
		ePPZ	12 25.5
		eSE	18 26.2
		esSE	19 09·7
	Qt	iPZ	14 10 16.8d.
		esPZ	51.0
		iSN	18 41.0
		esSN *	19 25.0
		Mu Sec	
		PZ 0.3 1.5	
		PH 0.1 1.5	
		△ = 63°.5	
		USCGS H 13 59 54.8	
		1.9 N 127.5 E	
		Molucca Passage	

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Date	Station	Phase	h m s
		depth about 117 km	
		Mag : 5.6 (CGS), 5.9 (Qt)	
10	Wr	ePZ	20 58 35.7
	Qt	ePZ	59 31.0c
		eSN	21 01 08.5
		H 20 57 26	
10	Qt	iPZ	21 56 41.6d
		USCGS H 21 46 37*	
		6.9 S 125.6 E	
		Banda Sea	
		depth about 514 km	
		Mag : 5.2 (CGS)	
10	Qt	ePZ	23 21 24·5
		USCGS H 23 10 24.4	
		6.8 S 129.4 E	
		Banda Sea	
		depth about 141 km	
		Mag : 5.1 (CGS)	
11	Qt	ePZ	00 13 50·5
	Wr	ePZ	14 00·3
		USCGS H 00 09 02·7	
		42·5 N 45·0 E	
		Georgia, S.S.R.	
		depth about 29 km	
		Mag : 4·6 (CGS)	
11	Ch	ePZ	01 13 31
		esPZ	53
		ePPZ	15 07
		eSNE	19 26
	Lh	ePZ	01 15 50·0
		eSN*E*	23 38·0
	Wr	ePZ	16 07·8
	Kr	ePZ	24·1
		eSE	24 43·2
	Qt	ePZ	16 24·5
		epPZ	36·5
		ePcPZ	17 05·5
		eSN	24 48·0
		esSE	25 06·4
		USCGS H 01 06 00·4	
		1·8 N 127·1 E	
		Molucca Passage	
		depth about 58 km	
		Mag : 5·6 (CGS)	
11	Qt	ePKPZ	06 10 33·5
		USCGS H 05 50 51·9	
		38·2 S 74·3 W	
		Near coast of Southern Chile	
		depth about 33 km	
		Mag : 4·7 (CGS)	
11	Wr	ePZ	08 36 26·4
		eSZ	37 02·1
	Qt	ePZ	21±
		eSNE	38 39·5
		H 08 35 40	
11	Qt	ePZ	11 05 13·0
11	Wr	ePZ	14 42 56·4
	Qt	ePZ	53·0
		eSN	45 38·0
		H 14 41 38	
11	Qt	ePZ	18 32 51·7
		USCGS H 18 23 19·6	
		31·9 N 132·4 E	
		Near east coast of Kyushu, Japan	
		depth about 33 km	
		Mag : 4·7 (CGS)	
11	Qt	ePZ	23 36 27·5c
		eSN*	37 56·0
	Kr	ePZ	36 36±
		eSE	38 23·3
	Wr	iPZ	37 34·4d
		USCGS H 23 34 21*	
		27·7 N 57·5 E	
		Southern Iran	
		depth about 42 km	
		Mag : 4·6 (CGS)	
12	Wr	ePZ	04 03 28·4
	Qt	ePZ	04 00·0

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Date	Station	Phase	h	m	s
		eSN		11	03·5
		USCGS H 03 55 14·0			
		23·4 N 121·6 E			
		Near east coast of			
		Taiwan			
		depth about 33 km			
		Mag : 5·2 (CGS)			
12	Wr	ePZ	04	59	17·2
		eSZ			47·4
	Qt	ePZ	05	00	21·5
		eSE		01	48·5
		H 04 58 33			
12	Qt	ePZ	05	49	23·3
		USCGS H 05 39 03*			
		5·2 N 127·5 E			
		Talaud Islands region			
		depth about 33 km			
12	Qt	ePZ	09	05	28·0
12	Qt	ePZ	15	39	35·5
		eSEE*		41	17·0
		H 15 37 23			
12	Qt	ePZ	18	48	48·5
12	Qt	ePZ	19	42	22·5c
		USCGS H 19 32 20·2			
		36·4 N 140·4 E			
		Near east coast of			
		Honshu, Japan			
		depth about 85 km			
		Mag : 4·3 (CGS)			
12	Qt	ePZ	22	23	01·0
12	Ch	ePZ	22	39	11
		epPZ			21
		eSNE		44	10
	Lh	ePZ		41	30±
		eSE*		48	26.0
	Wr	ePZ		41	57·0
	Kr	ePZ		42	15·8
		epPZ			23·0
	Qt	ePZ			19·5
		USCGS H 22 32 56·7			
		13·5 N 122·9 E			
		Near south coast of			
		Luzon, Philippine			
		Islands			
		depth about 33 km			
		Mag : 5·3 (CGS)			
12	Qt	ePZ	23	09	16·0
13	Qt	ePZ	03	57	43·5
		USCGS H 03 46 59*			
		25·5 N 142·5 E			
		Volcano Islands			
		depth about 33 km			
		Mag : 4·7 (CGS)			
13	Wr	ePZ	04	45	55·1
	Qt	ePZ		46	16±
13	Ch	ePZ	06	03	25
		epPZ			36
		eSNE		13	13
	Wr	ePZ		03	31·5
	Qt	ePZ		04	01.0c
		eSN		14	29.0
		USCGS H 05 51 31·2			
		52·1 N 170·0 W			
		Fox Islands, Aleutian			
		Islands			
		depth about 33 Km			
		Mag : 4.6 (CGS)			
13	Wr	ePKPZ	12	13	11.8
	Qt	ePKPZ		14	15.5
		USCGS H 11 54 06.1			
		12.9 N 90.4 E			
		Near coast of Guatemala			
		depth about 126 Km			
		Mag: 4.9			
13	Wr	iPZ	13	15	35.1c
		iSZ		16	02·4
	Qt	ePZ			38·5c

Date	Station	Phase	h	m	s
		eSNE	18	02	·5
		H 13 14 54			
13	Wr	iPZ	13	35	50·6c
		iSZ		36	23·8
	Qt	ePZ			52·0
		eSE		38	14·3
		Mu Sec			
		PZ 0·02 0·8			
		△ = 7°·3			
		H 13 35 07			
		Mag : 4·4 (Qt)			
13	Qt	ePZ	19	10	23·0
13	Qt	iPKPZ	21	27	16·5
		USCGS H 21 08 12·1			
		14·5 N 90·9 W			
		Near coast of			
		Guatemala			
		depth about 33 km			
		Mag : 4·8 (CGS)			
14	Qt	ePZ	02	45	58·5
		USCGS H 02 37 24·6			
		47·1 N 8·3 E			
		depth about 33 km			
		Switzerland			
		Mag : 4·7 (CGS)			
14	Qt	ePZ	03	51	55
	Wr	ePZ		53	01·2
14	Qt	ePZ	03	56	03·5
14	Ch	ePZ	06	55	45
		iPPZ			57
		eSNE		58	40
	Qt	ePZ	06	58	40·5
	Wr	ePZ			46·1
		USCGS H 06 51 58·6			
		6·2 S 91·1 E			
		Andaman Islands			
		region			
		depth about 33 km			
		Mag : 4·7 (CGS)			

Date	Station	Phase	h	m	s
14	Wr	ePZ	11	30	34·0
		eSZ		31	03·2
	Qt	ePZ			38·0
		eSE		32	58·0
		H 11 29 55			
14	Qt	ePZ	11	37	42·3
		USCGS H 11 25 13·3			
		51·5 N 170·1 W			
		Fox Islands, Aleutian			
		Islands			
		depth about 33 km			
		Mag : 4·2 (CGS)			
14	Qt	ePKPZ	12	02	43·0d
		USCGS H 11 44 53·8			
		20·6 S 178·5 W			
		Fiji Islands			
		depth about 561 km			
		Mag : 4·7 (CGS)			
14	Wr	ePZ	12	57	30·2
	Qt	ePZ		58	35·5
14	Qt	ePKPZ	15	23	19·0d
		USCGS H 15 05 54·4			
		13·7 S 172·3 E			
		New Hebrides Islands			
		region			
		depth about 611 km			
		Mag : 5·1 (CGS)			
14	Qt	ePKPZ	15	31	43·3
		USCGS H 15 12 22·4			
		15·9 N 60·5 W			
		Leeward Islands region			
		depth about 31 km			
		Mag : 5·4 (CGS)			
14	Qt	ePZ	16	49	12·6
	Kr	ePZ			14·0
	Wr	ePZ			33·4

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Date	Station	Phase	h	m	s
		USCGS H 16 36 52·1			
		1·9 S 12·9 W			
		Mid-Atlantic Ocean			
		depth about 33 km			
		Mag : 5·4 (CGS)			
14	Qt	ePZ	18	35	03±
14	Qt	ePZ	18	55	47·5
	Wr	ePZ		56	08·8
		USCGS H 18 43 27·4			
		1·8 S 13·2 W			
		Mid-Atlantic Ocean			
		depth about 33 km			
		Mag : 4·7 (CGS)			
14	Qt	ePZ	19	04	06±
14	Qt	ePZ	19	08	57·0d
14	Qt	ePZ	19	24	08·0
14	Qt	ePZ	19	48	02·5
14	Qt	ePZ	20	29	20·0d
14	Qt	ePZ	23	07	23·5c
	Wr	ePZ			42·0
14	Qt	ePZ	23	24	37·0
		USCGS H 23 12 10*			
		52·1 N 170·6 W			
		Andreanof Islands,			
		Aleutian Islands			
		depth about 33 km			
		Mag : 4·1 (CGS)			
14	Qt	ePZ	23	26	44·5
15	Qt	ePKPZ	02	26	51·5
		USCGS H 02 07 04·1			
		37·5 S 73·3 W			
		Central Chile			
		depth about 33 km			
		Mag : 4·6			
15	Wr	ePZ	03	28	22·2
	Qt	ePZ			38·5
		USCGS H 03 18 13·6			
		1·2 N, 126·2 E			
		Moiucca Passage			
		depth about 43 km			

Date	Station	Phase	h	m	s
			07	55	11·0
15	Qt	ePZ	08	03	48·7
15	Wr	ePZ		04	14·0
	Lh	ePZ			47·5c
	Qt	iPZ			
		USCGS H 07 59 58·0			
		49·7 N 78·0 E			
		Kazakh, S.S.R.			
		depth about 0 km			
		Mag : 5·6 (CGS)			
		iPZ	09	12	48·5d
15	Qt	ePZ	09	59	42·2
15	Wr	ePZ	10	00	17·7d
	Qt	ePZ			
		USCGS H 09 49 42·4			
		53·0 N 157·3 E			
		Kamchatka			
		depth about 170 km			
		Mag : 4·8 (CGS)			
15	Qt	ePZ	12	44	22±
	Wr	ePZ			31·6
15	Qt	ePZ	13	52	11·3
15	Qt	ePZ	16	43	49·6
15	Qt	ePZ	17	48	11·0
15	Qt	ePZ	17	54	36·5d
		eSN		55	04·0
	Wr	ePZ			18·8
		H 17 54 00			
15	Qt	ePZ	19	45	40·5
		USCGS H 19 40 51*			
		42·2 N 44·6 E			
		Georgia, S.S.R.			
		depth about 33 km			
		Mag : 4·1 (CGS)			
15	Qt	ePZ	21	26	36·5
		USCGS H 21 17 46·1			
		17·9 N 120.0 E			
		Near west coast of			
		Luzon, Philippine			
		Islands			

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Date	Station	Phase	h	m	s
		depth about 33 km			
		Mag : 4·8 (CGS)			
15	Qt	iPZ	22	40	39·7c
		eSN*		48	58·0
		Mu Sec			
		PZ 0·1 1·0			
		△= 61°·7			
	Wr	ePZ		40	51·2d
	Lh	ePZ		41	13·0c
		epPZ			23·0
		ePPZ*		43	42·0
		iSN*E*		49	58·0
		ePKPPKPZ	23	09	49·0
	Ch	ePZ	22	43	00
		eSNE		53	22
		USCGS H 22 30 26·0			
		36·2 N 7·6 W			
		West of Strait of			
		Gibraltor			
		depth about 27 km			
		Mag : 6¼-7 (Pas),			
		7-7½ (Bks),			
		6¼-6½ (Pal),			
		6·2 (CGS),			
		5·9 (Qt)			
16	Ch	ePZ	01	08	45·2
	Lh	ePZ	09	29	0
		eSN*E*	12	56	0
	Wr	iPZ	09	47	4d
	Qt	iPZ	10	38	5c
		epPZ			52·5
		esPZ	11	07	5
		ePPZ			15·0
		eSN	14	59	0
		Mu Sec			
		PZ 0·1 1·0			
		△= 25°·3			
		USCGS H 01 05 17·6			
		36·9 N 95·5 E			

Date	Station	Phase	h	m	s
		Tsinghai Province,			
		China			
		depth about 33 km			
		Mag : 5·9 (CGS)			
16	Qt	ePZ	02	16	37·0
16	Wr	iPZ	03	29	14·4d
		iSZ			56·6
	Lh	ePZ	03	29	47·0
		eSE*		30	54·0
	Qt	iPZ			21·0c
		iSE		31	59·5
		Mu Sec			
		PZ 0·4 1·0			
		△= 9°·0			
	Kr	ePZ			23·0d
		eSE		33	50·5
	Ch	ePZ			03
		epPZ			33
		eSN		36	57
		H 03 28 14			
		37·6 N 72·8 E			
		Tadzhik, S.S.R.			
		depth about 150 km			
		USCGS H 03 28 11·7			
		38·0 N 72·9 E			
		Tadzhik, S.S.R.			
		depth about 132 km			
		Mag : 5·2 (CGS),			
		5·8 (Qt)			
16	Qt	ePZ	07	55	10·5
16	Ch	ePZ	08	53	17
		eSNE	09	00	16
	Lh	ePZ	08	54	06·0
	Wr	iPZ		54	09·8d
	Qt	ePZ			45·5c
		eSN	09	03	03·5
		USCGS H 08 44 32·8			
		44·8 N 146·8 E			
		Kurile Islands			
		depth about 140 km			

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Date	Station	Phase	h	m	s
		Mag : 5·7 (CGS)			
16	Qt	ePZ	16	14	42·0
16	Wr	iPZ	17	46	19·4c
		eSZ			47·6
	Qt	ePZ			47 50±
		H 17 45 41			
16	Qt	ePZ	18	45	16·0
		eXZ			47 18·0
16	Qt	ePZ	19	34	24·6
16	Qt	iPKPZ	21	57	31·0c
		USCGS H 21 39 42·5			
		20·6 S 178·7 W			
		Fiji Islands			
		depth about 578 km			
		Mag : 4·9 (CGS)			
16	Wr	ePZ	22	19	47·8
		eSZ		20	26·0
	Qt	ePZ			51·7
		H 22 18 58			
17	Qt	ePZ	01	44	24·2
		USCGS H 01 33 46			
		45·2 N 150·4 E			
		Kurile Islands			
		depth about 40 km			
		Mag : 4·1 (CGS)			
17	Qt	ePZ	02	16	09·5
		USCGS H 02 04 58·2			
		53·5 N 163·3 E			
		Off coast of Kamchatka			
		depth about 20 km			
		Mag : 4·8 (CGS)			
17	Qt	ePZ	07	47	37·5
17	Qt	ePZ	12	07	58·6
		eSN		10	06·4
		USCGS H 12 05 10*			
		27·0 N 54·1 E			
		Southern Iran			
		depth about 33 km			
17	Qt	ePZ	18	58	05.5
18	Ch	iPZ	04	46	23d
		iSN		53	36
	Wr	iPZ		46	45.7c
		iSZ		54	20.8
	Lh	iPZ*		46	47 d
		epPZ		48	15.0
		ePPZ*		49	04.0
		eSN*		54	21.0
		eScSN*		55	47.0
		eSSE*		58	31.0
	Qt	iPZ		47	22.2d
		epPZ*		48	54.0
		esPZ*		49	37.0
		ePPZ*			58.0
		ePPPZ*		51	39.0
		iSN*		55	29.0
		esSN*		58	03.0
		ePKPPKPZ	05	15	38.0
		Mu Sec			
		PZ 0.1 1.0			
		△= 60°.0			
		USCGS H 04 37 26.9			
		52.5 N 153.6 E			
		Sea of Okhotsk			
		depth about 440 km			
		Mag : 5.6 (CGS),			
		5.5 (Qt)			
18	Wr	ePZ	15	38	58.2
		eSZ		39	45.9
	Qt	ePZ		40	06±
		H 15 37 56			
18	Qt	ePZ	17	56	21.2
18	Qt	ePKPZ	19	16	58.5
		USCGS H 18 57 27.3			
		29.9 S 71.0 W			
		Northern Chile			
		depth about 50 km			
		Mag : 4.5 (CGS)			
19	Wr	ePZ	01	05	05.5
	Qt	ePZ		06	11.0
		eSE		08	37.0

Date	Station	Phase	h m s
		H 01 03 03	
19	Qt	ePZ	03 15 18.7
19	Qt	ePKPZ	05 03 33.0
		USCGS H 04 45 50.9	
		21.9 S 179.5 E	
		Fiji Islands	
		depth about 613 km	
		Mag : 4.7 (CGS)	
19	Qt	ePZ	06 28 40.3
	Wr	ePZ	29 43.1
19	Qt	ePZ	08 10 37.5
	Wr	iPZ	11 38.0c
19	Qt	ePZ	08 19 06±
19	Qt	ePZ	08 21 17.0
	Wr	iPZ	22 17.4
19	Qt	ePZ	09 23 43.5
19	Qt	ePZ	09 46 48.5
		esSN*	50 22.0
	Lh	ePZ*	47 47±
		eSE*	52 02.0
	Wr	iPZ	47 49.5d
		USCGS H 09 42 34.9	
		14.7 N 56.3 E	
		Arabian Sea	
		depth about 33 km	
19	Wr	ePZ	12 00 02.3
	Qt	ePZ	33.5
		USCGS H 11 50 54.2	
		28.4 N 139.6 E	
		Bonin Islands region	
		depth about 450 km	
		Mag : 4.4 (CGS)	
19	Wr	iPZ	14 33 32.4c
		iSZ	34 18.7
	Qt	ePZ	40.0
		eSN	36 27.0
		Mu Sec	
		PZ 0.02 0.6	
		△= 9°.5	
		H 14 32 26	

Date	Station	Phase	h m s
		Mag : 4.6 (Qt)	
19	Qt	ePZ	16 06 40.1
	Wr	ePZ	06 49.4
19	Qt	ePZ	18 50 01.0
19	Qt	ePKPZ	22 03 02.1
	Wr	ePKPZ	33.0
		USCGS H 21 44 03.8	
		15.1 S 172.6 W	
		Samoa Islands region	
		depth about 33 km	
		Mag : 5.6 (CGS)	
19	Qt	ePKPZ	22 48 20.0
		USCGS H 22 29 03.2	
		15.3 S 72.9 W	
		Southern Peru	
		depth about 117 km	
		Mag : 4.7 (CGS)	
20	Wr	iPZ	02 23 32.1d
		iSZ	24 09.9
	Qt	ePZ	36.1c
		eSN	26 06.0
		H 02 22 40	
20	Qt	ePZ	03 18 18±
		eSN	20 15.1
	Wr	ePZ	19 19.3
		USCGS H 03 15 45.6	
		28.2 N 55.0 E	
		Southern Iran	
		depth about 43 km	
		Mag : 5.8 (CGS)	
20	Qt	ePKPZ	07 14 47.0d
	Wr	ePKPZ	47.7
		USCGS H 06 55 28.1	
		2.0 S 79.7 W	
		Ecuador	
		depth about 71 km	
		Mag : 5.3 (CGS)	
20	Lh	ePZ	19 04 27.0
	Wr	ePZ	54.6
	Qt	ePZ	05 00.0

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Date	Station	Phase	h	m	s
		USCGS H 18 55 10.8			
		7.0 S 115.2 E			
		Bali Sea			
		depth about 121 km			
		Mag : 5.4 (CGS)			
20	Ch	ePZ	19	01	34
		iSNE		02	05
	Qt	ePZ		06	30±
		eSE		10	54.0
		USCGS H 19 00 52.7			
		23.6 N 94.4 E			
		Northern Burma			
		depth about 86 km			
		Mag : 5.7 (CGS)			
20	Qt	ePKPZ	19	34	16.0
		USCGS H 19 15 16.3			
		19.8 S 173.6 W			
		Tonga Islands			
		depth about 33 km			
		Mag : 4.7 (CGS)			
20	Qt	ePZ	22	34	47.5
21	Ch	ePN	03	50	10
		epPN		51	24
		esPN		52	07
		eSN		56	21
		esSN		58	35
	Lh	ePZ		52	14.0
		ePcPZ			48.0
		epPZ		53	26.0
		iSN*	04	00	14.0
	Kr	iPZ	03	52	32.0
		ePcPZ		53	04.5
		epPZ			48.5
		esPZ		54	26.4
		ePPZ		55	06.8
		eSZ	04	00	49.3
	Wr	iPZ	03	52	34.8
	Qt	iPZ			47.0c
		epPZ		54	06.0
		esPZ			44.0
		ePPZ		55	28.0
		eSN*	04	01	19.0
		eScSN*		02	09.0
		ePSN*			42.0
		eSSN*		05	56.0
		eSSSE*		09	02.0
		Mu Sec			
		PZ 0.1 1.0			
		MH = 11.9 20			
		△ = 68°.5			
		USCGS H 03 42 19.6			
		6.4 S 127.9 E			
		Banda Sea			
		depth about 367 km			
21	Qt	ePZ	09	32	29±
21	Qt	ePZ	10	15	03±
		eSN		17	21.0
		H 10 12 06			
21	Qt	ePZ	10	28	21.0
		eSN		30	30.5
		USCGS H 10 25 32.9			
		27.1 N 54.1 E			
		Southern Iran			
		depth about 33 km			
21	Wr	ePKPZ	15	27	11.6
	Qt	ePKPZ			18.3
		ePKSN		30	46.0
		USCGS H 15 08 14.3			
		18.7 N 103.1 W			
		Near coast of Michoacan			
		Mexico			
		depth about 83 km			
		Mag : 5¼ (Pal),			
		5.0 (CGS)			
21	Wr	ePKPZ	16	46	02.9
	Qt	ePKPZ			08.6c
		USCGS H 16 27 11.7			
		27.6 S 177.2 W			
		Kermadec Islands region			
		depth about 33 km			
		Mag : 5.6 (CGS)			

Date	Station	Phase	h m s
21	Wr	ePZ	19 07 15.1
		eSZ	51.7
	Qt	ePZ	08 21±
		eSN	09 46.8
		H 19 06 27	
21	Wr	iPZ	21 09 22.4d
		iSZ	52.7
	Qt	ePZ	10 21·4
	Qt	eSE	11 39.5
		Mu Sec	
		PZ 0.02 0.5	
		△ = 6°.9	
		H 21 08 41	
		Mag : 4.6 (Qt)	
22	Qt	ePZ	01 03 36.5
		USCGS H 00 52 38.8	
		54.0 N 160.5 E	
		Kamchatka	
		depth about 30 km	
		Mag : 5.0 (CGS)	
22	Qt	ePZ	03 03 39.0
22	Wr	ePZ	03 59 19.1
22	Qt	ePZ	04 00 21.0
22	Wr	ePZ	05 42 38.2
	Qt	ePZ	52.2c
		USCGS H 05 32 07.7	
		2.7 S 126.4 E	
		Ceram Sea	
		depth about 33 km	
		Mag : 5.1 (CGS)	
22	Qt	ePZ	06 34 41.2
		USCGS H 06 22 15*	
		61.3 N 147.8 W	
		East of Anchorage, Aladea	
		depth about 62 km	
		Mag : 4.5 (CGS)	
22	Qt	iPKPZ	07 24 49.5d
	Wr	ePKPZ	51.2
		USCGS H 07 05 39.7	
		5.5 S 77.1 W	
		Northern Peru	
		depth about 147 km	
		Mag : 5.1 (CGS)	
22	Qt	iPKPZ	08 54 44.5c
		epPKPZ	54.0
		ePPE	58 05.0
		Mu Sec	
		MH 1.4 20	
		△ =14°·5	
	Wr	iPKPZ	08 54 56.4d
	Lh	ePKPZ	59.5
		USCGS H 08 35 06.4	
		35.7 S 72.9 W	
		Near coast of Central Chile	
		depth about 33 km	
		Mag : 5.1 (CGS),	
		5.9 (Qt)	
22	Qt	ePZ	13 46 34.0
		USCGS H 13 39 02*	
		3.2 N 98.0 E	
		Northern Sumatra	
		depth about 33 km	
22	Qt	ePZ	14 28 05.4
		e(S) E	30 35.0
22	Wr	ePZ	20 21 17·4
	Qt	ePZ	39·5
22	Wr	ePZ	23 58 07·4
	Qt	ePZ	59 00·0
23	Wr	ePZ	01 12 09·0
	Qt	ePZ	11·5
		USCGS H 01 02 36·1	
		9·3 S 108·2 E	
		Off south coast of Java	
		depth about 50 km	
23	Qt	ePZ	01 27 24·7
		e(S)E	29 53·5
23	Wr	ePZ	07 37 13·7
		iSZ	38 02·6
	Qt	ePZ	22·0
		eSN	40 01·2
		USCGS H 07 36 24·3	

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Date	Station	Phase	h	m	s
		37·2 N 72·3 E			
		Hindukush			
		depth about 143 km			
		Mag : 4·4 (CGS)			
23	Wr	iPZ	13	41	36·0d
		iSZ		42	22·7
	Lh	ePZ	13	42	04·0
		eSZ*		43	14±
	Qt	iPZ		42	43·8
		eSN		44	29·0
		Mu Sec.			
		PZ 0·37 0·7			
		△ = 9°.5			
	Ch	ePN		45	17
		epPN			47
		esPN		46	06
		eSN		49	14
		esSN			59
		H 13 40 30·0			
		38·0 N 73·3 E			
		Hindukush region			
		depth about 150 km			
		USCGS H 13 40 26·3			
		38·3 N 73·7 E			
		Hindukush			
		depth about 126 km			
		Mag : 5·4 (CGS),			
		6·0 (Qt)			
23	Qt	ePZ	19	08	11·5
		eSN		10	17·6
		H 19 05 28			
23	Qt	ePZ	21	17	58·5
		eXE*		19	03·0
23	Qt	ePZ	22	37	38·0 d
		USCGS H 22 28 45·6			
		19·3 N 121·0 E			
		Near north coast of Luzon,			
		Philippine Islands			
		depth about 33 km			
23	Ch	ePE	22	50	13
		eSN		57	07
		esSE			22
	Wr	ePZ		52	33·8
	Qt	ePZ			39·0
		epPZ			48·0
		USCGS H 22 41 15·8			
		17·6 S 123·2 E			
		Dampier Land,			
		Western Australia			
		depth about 33 km			
23	Wr	ePZ	23	43	55·8
		eSZ		44	29·7
	Qt	ePZ			47·5
		H 23 43 11			
24	Qt	ePZ	02	09	05·0
		USCGS H 01 58 42·7			
		25·2 N 140·6 E			
		Volcano Islands region			
		depth about 181 km			
		Mag : 4·6 (CGS)			
24	Qt	ePZ	14	53	22·5
		USCGS H 4 41 55*			
		11·7 N 143·9 E			
		Mariana Islands region			
		depth about 51 km			
		Mag : 4·6 (CGS)			
24	Qt	ePKPZ	17	57	36·7
	Wr	ePKPZ			49·4
		USCGS H 17 38 08·2			
		27·7 S 68·7 W			
		Catdmarca Province, Argentina			
		depth about 76 km			
		Mag : 4·5 (CGS)			
24	Qt	ePZ	20	44	00·5
24	Qt	ePZ	21	56	20·0
24	Qt	ePZ	22	30	20±
		USCGS H 22 20 26·2			
		36·1 N 141·5 E			
		Near east coast of Honshu,			
		Japan			
		depth about 50 km			

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Date	Station	Phase	h	m	s
		Mag : 4·3 (CGS)			
25	Ch	ePZ	02	51	35
	Wr	ePZ		52	55·6
	Qt	ePZ		53	30·5c
		USCGS H 02 43 23·5			
		36·3 N 140·9 E			
		Near east coast of Honshu, Japan			
		depth about 67 km			
		Mag : 4·8 (CGS)			
25	Qt	ePZ	05	02	15·8
		USCGS H 04 52 07·8			
		36·3 N 141·1 E			
		Near east coast of Honshu, Japan			
		depth about 60 km			
		Mag : 4·7 (CGS)			
25	Qt	ePKPZ	10	27	10·0
		USCGS H 10 08 06·8			
		7·7 N 75·3 W			
		Northern Colombia			
		depth about 48 km			
		Mag : 4·8 (CGS)			
25	Wr	ePZ	20	26	19·1
	Qt	ePZ			20·5
26	Lh	ePZ*	01	24	55·0
	Wr	iPZ		25	17·8
	Qt	ePZ			39·0d
		ipPZ			54·0
		USCGS H 01 16 08·8			
		10·3 N 122·6 E			
		Near south coast of Panay, Philippine Islands			
		depth about 53 km			
26	Qt	ePZ	02	15	40·3
		eSE*		24	55·0
		USCGS H 02 04 20·2			
		11·3 N 142·0 E			
		Mariana Islands			
		depth about 33 km			
		Mag : 4·9 (CGS)			
26	Qt	ePZ	05	35	53·5
26	Ch	ePZ	06	36	41
		eSN		41	20
	Wr	ePZ		39	38·0c
	Qt	ePZ			50·0c
		USCGS H 06 30 51·1			
		13·7 N 120·6 E			
		Near south west coast of Luzon, Philippine Islands			
		depth about 118 km			
26	Wr	ePZ	09	24	47·6
	Qt	ePZ		25	03±
		USCGS H 09 15 33·4			
		8·3 N 121·8 E			
		Near west coast of Mindanao, Philippine Islands			
		depth about 59 km			
26	Wr	iPZ	10	15	08·1c
		iSZ			36·4
	Qt	ePZ		16	10·5
		eSN		17	25·5
	H	10 14 32			
26	Wr	iPZ	10	34	18·1c
		iSZ			46·4
	Qt	iPZ		35	07·5c
		eSN		36	18·0
	H	10 33 38			
26	Lh	ePZ	12	26	11·0
		eSN*		34	36·0
26	Wr	ePZ		26	32·3
	Qt	ePZ			44·6d
26	Wr	ePKPZ	13	49	41·0
	Qt	ePKPZ			54·0
		USCGS H 13 29 56·2			
		4·4 S 104·7 W			
		1500 km south-west of Galapagos Island			
		depth about 33 km			
		Mag : 4·9 (CGS)			

Date	Station	Phase	h	m	s
26	Qt	ePZ	17	40	17·0
26	Wr	ePZ	19	47	07·8d
	Qt	ePZ			44·0c
		ePPZ		50	08·0
		USCGS H 19 37 27·6			
		39·3 N 143·3 E			
		Off east coast of Honshu, Japan			
		depth about 33 km			
		Mag : 4·7 (CGS)			
26	Qt	ePZ	21	35	18·0
		USCGS H 21 28 06·0			
		4·6 N 95·8 E			
		Near west coast of Sumatra			
		depth about 33 km			
		Mag : 5·5 (CGS)			
27	Wr	ePZ	02	03	45·8
		eSZ		04	14·1
	Qt	ePZ			51±
		eSE		06	03·0
		H 02 03 13			
27	Ch	ePZ	04	31	48
		eSNE		32	46
	Lh	ePZ		34	57·0
	Wr	iPZ	04	35	29·8c
	Qt	iPZ			57·8d
		epPZ*		36	19·0
		eSN*		40	18·0
		Mu Sec			
		PZ 0·2 1·3			
		Δ = 26°·0			
Kr		ePZ	36	00±	
		epPZ		18·1	
		ePPZ		54·7	
		eSE	40	16·8	
		esSE		51·8	
		H 04 30 35			
		25·3 N 95·4E			
		Burma			
		depth about 100 km			
		USCGS H 04 30 33 0			
		25·9 N 95·8 E			
		Northern Burma			
		depth about 93 km			
		Mag : 5·4 (CGS), 5·6 (Qt)			
27	Qt	ePZ	08	05	40±
27	Qt	ePZ	14	59	41±
27	Wr	iPZ	19	13	40·4c
		iSZ		14	14·0
	Lh	ePZ			15
	Qt	eSNE		15	20·0
	Qt	ePZ		14	38·0d
		eSE		16	01·0
	Ch	ePZ		17	48±
		USCGS H 19 12 50·7			
		36·8 N 71·2 E			
		Hindukush			
		depth about 206 km			
		Mag : 5·6 (CGS)			
27	Qt	ePZ	20	10	12±
27	Wr	ePZ	20	39	58·1
	Qt	ePZ		40	05·0c
		eSN		46	18·5
		H 20 32 19			
27	Qt	ePZ	21	05	06·0
27	Ch	ePZ	23	05	00·8
		eSNE		06	01·0
	Wr	ePZ		07	32·7
	Qt	ePZ		08	10±
		eSN*		11	52·0
	Kr	ePZ		08	22·0
		USCGS H 23 03 41·7			
		27·2 N 89·3 E			
		Bhutan			
		depth about 32 km			
		Mag : 6·3 (CGS)			
28	Qt	ePZ	00	06	23±
28	Wr	iPZ	03	48	20·4d
	Lh	iPZ			30·0c
	Ch	ePZ			44

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Date	Station	Phase	h	m	s
				59	08
		eSE		48	48·0c
	Qt	iPZ		49	15·5
	Kr	ePZ			
		USCGS H 03 36 12·7			
		61·1 N 147·6 W			
		East of Anchorage, Alaska			
		depth about 20 km			
		Mag : 8.4 (Pas),			
		8½-8¾ (Brk),			
		8.6 (Pal),			
		8.5			
28	Wr	ePZ	06	56	11.6c
	Lh	ePZ			20.0
	Ch	ePZ			28.4
		USCGS H 06 43 57.4			
		58.3 N 151.3 W			
		Alaska after shock			
		depth about 25 km			
		Mag : 5½-5¾ (Brk),			
		6.1 (CGS)			
28	Lh	ePZ	07	06	00±
	Qt	ePZ			06 18.3
		USCGS H 06 53 35.6			
		58.8 N 149.5 W			
		Alaska after shock			
		depth about 20 km			
		Mag : 4¾ (Brk),			
		5.7 (CGS)			
28	Wr	ePZ	07	22	37.0c
	Lh	ePZ			45.0
	Ch	ePZ			56.5
	Qt	ePZ		23	04.5
		USCGS H 07 10 21.4			
		58.8 N 149.5 W			
		Alaska after shock			
		depth about 20 km			
		Mag : 6.2 (Pas),			
		5¾-6 (Brk),			
		6.1 (CGS)			
28	Wr	iPZ	07	42	48.5c
	Lh	ePZ			58.0
	Ch	ePZ		43	03±
	Qt	ePZ			15.5
		USCGS H 07 30 29.6			
		57.4 N 151.7 W			
		Alaska after shock			
		depth about 15 km			
		Mag : 5¼-5½ (Brk),			
		5.7 (CGS)			
28	Qt	ePZ	08	01	38.0
		USCGS H 07 48 47.8			
		57.0 N 153.3 W			
		Alaska after shock			
		depth about 15 km			
		Mag : 5.0 (CGS)			
28	Wr	ePZ	08	46	03.0
	Qt	ePZ			28.7
		USCGS H 08 33 47.0			
		58.1 N 151.1 W			
		Alaska after shocks			
		depth about 25 km			
		Mag : 5¼-5½ (Brk),			
		5.6 (CGS)			
28	Qt	ePZ	08	52	38.8
		USCGS H 08 39 54.9			
		57.5 N 151.6 W			
		Alaska after shock			
		depth about 20 km			
		Mag : 5.4 (CGS)			
28	Qt	ePZ	09	08	11.0
		USCGS H 08 55 22.8			
		56.7 N 151.9 W			
		Alaska after shock			
		depth about 25 km			
		Mag : 5.1 (CGS)			
28	Wr	iPZ	09	13	22.2d
	Lh	ePZ			30.0d
	Ch	ePZ			35
	Qt	ePZ			48.7c
		USCGS H 09 01 00.5			
		56.5 N 152.0 W			
		Alaska			
		depth about 20 km			
		Mag : 6.2 (Pas),			
		5½-5¾ (Brk),			
		6.0 (CGS)			
28	Wr	iPZ	10	05	13.0c
	Lh	ePZ			19.0

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Date	Station	Phase	h	m	s
	Ch	ePZ			33
	Qt	ePZ			36.6c
		USCGS H 09 52 55.7			
		59.7 N 146.6 W			
		Alaska			
		depth about 30 km			
		Mag : 6.2 (Pas),			
		5-5¼ (Brk),			
		5.5 (CGS)			
28	Qt	ePZ	10	30	36.5
		USCGS H 10 17 48.5			
		56.6 N 152.2 W			
		Alaska			
		depth about 15 km			
		Mag : 5.1 (CGS)			
28	Wr	iPZ	10	47	55.0c
	Lh	ePZ		48	03.0
	Ch	ePZ			08
		eSNE			58 34
	Qt	ePZ			21.7d
		USCGS H 10 35 38.9			
		57.2 N 152.4 W			
		Alaska			
		depth about 33 km			
		Mag : 6.3 (Pas),			
		5¾-6 (Brk)			
		6.0 (CGS)			
28	Qt	ePZ	11	19	29.0
	Ch	ePZ		21	00
		USCGS H 11 07 13.2			
		58.3 N 150.7 W			
		Alaska			
		depth about 33 km			
		Mag : 4.6 (CGS)			
28	Lh	ePZ	11	20	46.0
		USCGS H 11 08 26.0			
		60.1 N 148.4 W			
		Alaska aftershock			
		depth about 15 km			
		Mag : 5.6 (Pas),			
		5¼-5½ (Brk),			
		5.7 (CGS)			
28	Ch	iPZ	11	37	07c
		iSNE		43	43
	Wr	iPZ			39 50.7d
	Lh	iPZ			27.0c
	Qt	iPZ			40 04.5c
		USCGS H 11 30 09.8			
		0.5 N 122.3 E			
		Northern Celebes			
		depth about 140 km			
		Mag : 5.8 (CGS)			
28	Wr	iPZ	12	02	19.2d
	Qt	ePZ			45.1
		USCGS H 11 50 01.9			
		58.2 N 149.8 W			
		Alaska			
		depth about 25 km			
		Mag : 5·3 (CGS)			
28	Wr	iPZ	12	32	57·6c
	Lh	ePZ		33	15·0
	Ch	iPZ			20d
	Qt	ePZ			34·5d
		USCGS H 12 20 49·8			
		56·5 N 154·0 W			
		Alaska			
		depth about 25 km			
		Mag:6·5(Pas),			
		5¼-5¾(Brk),			
		6.1(CGS)			
28	Qt	ePZ	12	52	00·0
28	Ch	ePZ	13	13	52
	Qt	ePZ			54·5
		USCGS H 13 01 14·2			
		60·1 N 147·0 W			
		Alaska			
		depth about 20 km			
		Mag : 5·1 (CGS)			
28	Wr	ePZ	13	39	52·1
	Qt	ePZ		40	18·5
		USCGS H 13 27 38·5			
		60·3 N 147·1 W			
		Alaska			
		depth about 15 km			
		Mag : 4·9 (CGS)			

Date	Station	Phase	h	m	s
			14	19	14·2
28	Wr	ePZ			41·5c
	Qt	ePZ			
		USCGS H	14	01	57·6
		56·5 N 154·4 W			
		Alaska			
		depth about 25 km			
		Mag : 5·1 (CGS)			
			14	59	50·8
28	Wr	ePZ	15	00	00·0
	Lh	ePZ			16 d
	Ch	iPZ			18·0d
	Qt	ePZ			
		eSN		10	25·0
		USCGS H	14	47	37·1
		60·4 N 146·5 W			
		Alaska			
		depth about 10 km			
		Mag : 6·3 (Pas),			
		$5\frac{3}{4}$-6 (Brk),			
		$6\frac{1}{2}$-$6\frac{3}{4}$ (Pal),			
		5·7 (CGS)			
28	Qt	ePZ	16	39	03·0
		USCGS H	16	26	16·9
		57·5 N 150·9 W			
		Alaska			
		depth about 30 km			
		Mag : 5·0 (CGS)			
28	Wr	ePZ	16	56	51·4
	Qt	ePZ		57	18·2
		USCGS H	16	44	35·9
		59·3 N 147·8 W			
		Alaska			
		depth about 25 km			
		Mag : $4\frac{3}{4}$-5 (Brk),			
		5·3 (CGS)			
28	Qt	ePZ	18	02	38·4
		USCGS H	17	49	49·7
		57·7 N 150·2 W			
		Alaska			
		depth about 15 km			
		Mag : 4·9 (CGS)			
28	Wr	ePZ	18	15	47·4
	Qt	ePZ		16	19·6
28	Qt	ePZ	19	14	33·0

Date	Station	Phase	h	m	s
		USCGS H	19	01	51·5
		60·1 N 146·9 W			
		Alaska			
		depth about 15 km			
		Mag : 4·5 (CGS)			
			19	47	16·4
28	Wr	ePZ			44·1
		eSZ		48	15·5
	Qt	ePZ		49	33·0
		eSN			
		Mu Sec			
		PZ 0·01 0·5			
		H 19 46 36			
		Mag : 4·3 (Qt)			
			20	41	18·0
28	Wr	ePZ			27·0
	Lh	ePZ		51	41·0
		eSN*E*		41	41
	Ch	ePZ			44·5
	Qt	ePZ		52	20·0
		eSE			
		Mu Sec			
		PZ 0·4 1·5			
		Δ = 87°.1			
		USCGS H	20	29	08·6
		59·8 N 148·7 W			
		Alaska			
		depth about 40 km			
		Mag : 5.6 (Pas),			
		$6\frac{1}{2}$-$6\frac{3}{4}$ (Brk, Pal),			
		5·8 (CGS),			
		6·5 (Qt)			
28	Qt	ePZ	22	22	35·0
		USCGS H	22	09	43·2
		58·0 N 153·2 W			
		Alaska			
		depth about 33 km			
		Mag : 4·7 (CGS)			
28	Qt	ePZ	22	41	30·0
		USCGS H	22	28	47·0
		58·2 N 150·4 W			
		Alaska			
		depth about 20 km			
		Mag : 5·2 (CGS)			
28	Wr	iPZ	23	10	06·4c

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Date	Station	Phase	h	m	s
		iSZ			39·8
	Qt	ePZ		11	07·5
		eSN		12	23·5
	H	23 09 25			
	Wr	ePZ	23	58	38·2
	Qt	ePZ		59	06·0
		USCGS H 23 46 22·0			
		57·5 N 151·1 W			
		Alaska			
		depth about 33 km			
		Mag: 5.0 (Pas),			
		$5\frac{1}{2}$-$5\frac{3}{4}$(Brk),			
		5.2(CGS)			
	Qt	ePZ	01	05	50·5
		USCGS H 00 53 05·8			
		57·4 N 151·5 W			
		Alaska			
		depth about 25 km			
		Mag : 5·1 (CGS)			
	Wr	ePZ	01	21	48·2
	Lh	ePZ			57·0
	Ch	ePZ		22	10
	Qt	ePZ			15·0d
		USCGS H 01 09 36·4			
		59·8 N 149·2 W			
		Alaska			
		depth about 20 km			
		Mag : 5·2 (Pas),			
		$5\frac{1}{4}$-$5\frac{1}{2}$ (Brk),			
		$5\frac{1}{2}$ (Pal),			
		5·5 (CGS)			
9	Wr	ePZ	01	41	52·3
	Lh	ePZ		42	00·0
	Qt	ePZ			19·0
		USCGS H 01 29 33·7			
		57·5 N 153·3 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 20 km			
		Mag : 4·6 (Pas),			
		$5\frac{3}{4}$-6 (Brk),			
		5·6 (CGS)			
29	Qt	ePZ	02	01	05·5
		USCGS H 01 48 18·5			
		56·3 N 153·7 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 20 km			
		Mag : 4·8 (CGS)			
29	Qt	ePZ	02	29	12·0
		USCGS H 02 16 29·8			
		58·3 N 149·7 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 25 km			
		Mag : 4·9 (CGS)			
29	Qt	ePZ	02	31	57·0
		USCGS H 02 19 13·2			
		59·0 N 149·2 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 20 km			
		Mag : 4·7 (CGS)			
29	Qt	ePZ	02	38	12·5
		USCGS H 02 25 25·1			
		57·0 N 151·7 W			15·0d
		Prince William Sound,			
		Alaska aftershock			
		depth about 20 km			
		Mag : 5·2 (CGS)			
29	Qt	ePZ	03	19	57·5c
		USCGS H 03 07 19·5			
		59·7 N 148·8 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 30 km			
		Mag : 5·0 (CGS)			
29	Wr	ePZ	03	50	43·1
	Qt	ePZ		51	10·2c
		USCGS H 03 38 38·1			
		60·7 N 149·1 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 40 km			
		Mag : 5·1 (CGS)			

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Date	Station	Phase	h	m	s
29	Wr	ePZ	04	24	31·7
	Ch	ePZ			57·8
	Qt	ePZ			58·5
		USCGS H 04 12 15·7			
		60·2 N 145·5 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 15 km			
		Mag : 5·2 (Pas),			
		4¾-5(Brk),			
		5·3 (CGS)			
29	Qt	ePZ	04	48	14±
29	Qt	ePZ	05	04	43·0
		USCGS H 04 51 53·3			
		56·8 N 152·4 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 40 km			
		Mag : 4·8 (CGS)			
29	Qt	ePZ	05	34	00·0
		USCGS H 05 21 09·8			
		57·1 N 150·4 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 20 km			
		Mag : 4·4 (CGS)			
29	Qt	ePZ	05	50	32·5
		USCGS H 05 37 47·4			
		56·9 N 153·3 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 25 km			
		Mag : 4·8 (CGS)			
29	Wr	iPZ	06	17	02·1d
	Lh	ePZ			10·0
		eSN*E*		27	30·0
		eSSN*		31	51·0
	Ch	ePZ		17	14
		eSE		27	40
	Qt	ePZ		17	29·0c
		eSN		27	56·5

Date	Station	Phase	h	m	s
		Mu Sec			
		MH 21·1 20			
		Δ = 85°.4			
	Kr	ePZ		17	51·8c
		USCGS H 06 04 44·5			
		56·1 N 154·3 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 30 km			
		Mag : 5·8 (Pas),			
		5¼-5½ (Brk),			
		6-6¼ (Pal),			
		5·6 (CGS)			
29	Qt	ePZ	06	20	50·5
29	Qt	ePZ	06	42	23·0c
		USCGS H 06 29 39·4			
		58·1 N 149·8 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 33 km			
		Mag : 5·0 (CGS)			
29	Qt	ePZ	07	06	05·5
		USCGS H 06 53 19·5			
		56·1 N 154·5 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 25 km			
		Mag : 4·8 (CGS)			
29	Qt	ePZ	07	17	57·5
		USCGS H 07 05 17·1			
		59·0 N 150·2 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 25 km			
		Mag : 4·7 (CGS)			
29	Wr	iPZ	08	05	05·2d
	Qt	ePZ			32·0
		USCGS H 07 52 46·4			
		56·1 N 154·2 W			
		Prince William Sound,			
		depth about 25 km			
		Mag : 4.9 (Pas),			
		4.8 (CGS)			

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ate	Station	Phase	h	m	s
29	Qt	ePZ	08	08	54.0
29	Qt	ePZ	08	44	09.5
		USCGS H 08 31 30.0			
		60.2 N 148.5 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 15 km			
		Mag : 4.4 (CGS)			
29	Wr	ePZ	09	28	12.2
	Qt	ePZ			39.0
		USCGS H 09 15 55.4			
		58.4 N 150.5 W			
		Alaska			
		depth about 15 km			
		Mag : 4.6 (CGS)			
29	Wr	ePZ	10	20	13.8
	Ch	ePZ			38
	Qt	ePZ			41.2d
		USCGS H 10 08 02.4			
		60.0 N 148.6 W			
		Prince William Sound,			
		Alaska after shock			
		depth about 20 km			
		Mag : 5.0 (Pas),			
		$5\frac{1}{4}$-$5\frac{1}{2}$ (Brk),			
		5.3 (CGS)			
29	Wr	ePZ	11	01	56.0
	Qt	ePZ		02	23.5
		USCGS H 10 49 40.3			
		58·2 N 150·4 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 25 km			
		Mg : 5.2 (CGS)			
29	Qt	ePZ	11	56	41.2
		USCGS H 11 44 04.3			
		60.0 N 149.1 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 25 km			

Date	Station	Phase	h	m	
		Mag : 4.9 (CGS)			
29	Qt	ePZ	12	07	40±
		eXZ		09	16.0
		USCGS H 11 54 41.0			
		58.8 N 151.1 W			
		Prince William Sound.			
		Alaska aftershock			
		depth about 25 km			
		Mag. 4.5 (CGS)			
29	Qt	ePZ	13	20	51±
		USCGS H 13 07 48			
		60.3 N 147.1 W			
		Alaska			
		depth about 33 km			
		Mg : 4.1 (CGS)			
29	Qt	ePZ	14	11	49.0
29	Qt	ePZ	15	20	03.0
		USCGS H 15 07 13.1			
		54.3 N 157.0 W			
		Alaska			
		depth about 20 km			
		Mag : 4.9 (CGS)			
29	Wr	ePZ	16	21	29.1
	Qt	ePZ			56.0
		USCGS H 16 09 15.3			
		60.3 N 146.6 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 15 km			
		Mag : 4.8 (CGS)			
29	Wr	ePZ	16	53	13.3
	Lh	ePZ			23.0
		eSN*	17	03	42.0
	Qt	ePZ	16	53	40.5c
		eSN*	17	04	16.0
		Mu Sec			
		MH 7.1 20			
		$\triangle = 87°.1$			
		USCGS H 16 40 57.9			
		59.7 N 147.0 W			
		Alaska			

Date	Station	Phase	h	m	s
		depth about 15 km			
		Mag : 5.8 (Pas),			
		$5\frac{1}{2}$-$5\frac{3}{4}$ (Brk).			
		5.6 (CGS)			
29	Qt	ePZ	17	06	07.8c
		USCGS H 16 53 26.6			
		60.3 N 146.1 W			
		Prince William Sound.			
		Alaska aftershock			
		depth about 15 km			
		Mag : $4\frac{3}{4}$-5.			
		5.2 (CGS)			
29	Wr	ePZ	18	05	18.8
	Qt	ePZ			44.0
		eXZ		08	14.1
		USCGS H 17 53 02.2			
		59·9 N 146.1 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 15 km			
		Mag : 5.0 (CGS)			
29	Qt	ePZ	18	10	34.5
		USCGS H 17 57 56.8			
		60.0 N 147.0 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 33 km			
		Mag : 4.5 (CGS)			
29	Qt	ePZ	18	50	00.0 c
29	Qt	ePZ	19	00	08.0
29	Qt	ePZ	19	11	19±
		USCGS H 18 58 37.1			
		59.8 N 146.7 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 15 km			
		Mag : 4.5 (CGS)			
29	Qt	ePZ	19	44	28.5
		USCGS H 19 31 46.1			
		59.9 N 148.2 W			
		Prince William Sound.			
		Alaska aftershock			
		depth about 15 km			
		Mag : 4.6 (CGS)			
29	Ch	iPZ	21	51	31.0
		eSN	22	00	28
	Wr	ePZ	21	53	18.4
	Qt	ePZ			35.2c
		USCGS H 21 40 32.7			
		6·7 S 155·1 E			
		Solomon Islands			
		depth about 68 km			
		Mag : 6 (Pal),			
		5·3 (CGS)			
29	Qt	ePZ	23	07	42·7
29	Qt	ePZ	23	37	13·0
		USCGS H 23 25 35·1			
		59·2 N 152·6 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 33 km			
		Mag : 4·1 (CGS)			
29	Wr	ePZ	23	38	47·5
		eSZ		39	28·6
	Qt	ePZ			54·5
		eSN		41	28·5
		H 23 37 53			
30	Qt	ePZ	00	02	10·5
		USCGS H 23 49 28·6			
		59·9 N 147·1 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 20 km			
		Mag : 4·8 (CGS)			
30	Qt	ePZ	00	39	05±
		USCGS H 00 26 15·7			
		58·9 N 150·2 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 20 km			
		Mag : 4·6 (CGS)			
30	Qt	ePZ	01	54	17·5
		USCGS H 01 41 38·6			

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Date	Station	Phase	h	m	s
		60·6 N 144·3 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 33 km			
		Mag : 4·7 (CGS)			
30	Qt	ePZ	02	15	47·0
	Ch	ePZ			47
30	Wr	ePZ	02	30	23·8
	Lh	ePZ			32·0
		ePPZ*		33	51·0
		eSN*E*		41	02·0
		ePPSE*		42	07·0
	Ch	ePZ		30	39
		eSN		41	20
	Qt	ePZ		30	52·5
		eSE		41	26·5
		Mu Sec			
		PZ 40·8 20			
		△ =86°.9			
		USCGS H 02 18 06·3			
		56·6 N 152·9 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 25 km			
		Mag : 6·6 (Pas),			
		6½-6¾ (Brk),			
		5¾ (Pal),			
		5·8 (CGS),			
		6·6 (Qt)			
30	Qt	ePZ	03	34	14·5
	Wr	iPZ			35·4c
30	Qt	ePZ	05	11	05·9
30	Wr	ePZ	07	21	50·8
	Lh	ePZ		22	00·0
		eSN*		32	22·0
		eSSN*		37	46·0
	Ch	ePZ		22	15
		eSNE		32	49
	Qt	ePZ		22	17·8d
		eSN		32	47·0
		Mu Sec			
		PZ 0·1 1·5			
		MH 25·2 20			
		△ =85°·2			
		USCGS H 07 09 34·0			
		59·9 N 145·7 W			
		Prince William Sound			
		Alaska aftershock			
		depth about 15 km			
		Mag : 6·2 (Pas),			
		5¾-6(Brk),			
		6¼-6½(Pal),			
		5·6 (CGS),			
		6·5 (Qt)			
30	Qt	ePZ	09	52	05·5
30	Qt	ePZ	11	12	08·5
		USCGS H 10 59 27·6			
		58·4 N 149·2 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 25 km			
		Mag : 5·0 (CGS)			
30	Ch	ePZ	12	01	13±
	Qt	ePZ			28·0
		USCGS H 11 48 40·4			
		56·4 N 152·5 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 20 km			
		Mag : 5·2 (CGS)			
30	Wr	iPZ	12	17	55·7d
	Ch	ePZ		18	20
	Qt	ePZ			22·0
		USCGS H 1205 43·5			
		60·1 N 147·0 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 25 km			
		Mag : 5·0 (Pas, CGS)			
30	Qt	ePZ	12	27	10·5
		USCGS H 12 14 28·4			

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Date	Station	Phase	h	m	s
		58·0 N 151·6 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 25 km			
		Mag : 5·0 (CGS)			
30	Wr	ePZ	12	50	31·2
	Ch	ePZ			53
	Qt	ePZ			56·7
		USCGS H 12 38 16·0			
		59·7 N 146·9 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 30 km			
		Mag : 5·0 (CGS)			
30	Wr	ePZ	13	15	55·4
	Lh	ePZ		16	02·8
		eSN*E*		26	25·0
	Ch	ePZ		16	08
		eSE		26	28
	Qt	ePZ		16	22·0
		USCGS H 13 03 34.9			
		56.5 N 152.7 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 20 km			
		Mag : 5.3 (Pas),			
		$4\frac{3}{4}$-5 (Brk),			
		$5\frac{1}{2}$-$5\frac{3}{4}$(Pal),			
		5.3 (CGS)			
30	Wr	ePZ	13	44	41.1
	Lh	ePZ			48±
	Ch	ePZ			55
	Qt	ePZ		45	07.5
		USCGS H 13 32 18.5			
		56.4 N 152.6 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 15 km			
		Mag : 4.8 (CGS)			
30	Qt	ePZ	14	23	30.5
		USCGS H 14 10 48.6			
		57.4 N 152.3 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 30 km			
		Mag : 5.1 (CGS)			
30	Wr	iPZ	15	20	02.4c
	Lh	ePZ			12.2
	Ch	ePZ			25
	Qt	ePZ			31.0
		USCGS H 15 07 49.3			
		58.7 N 149.6 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 25 km			
		Mag ; 5.3 (CGS)			
30	Wr	iPZ	16	21	48.1d
	Lh	ePZ			56.0
		eSN*E*		32	17.0
	Ch	ePZ		22	03
		eSNE		32	26
	Qt	ePZ		22	15.4c
		eSN		32	44.0
		Mu Sec			
		PZ 0.1 1.5			
		△ = 87°.5			
		USCGS H 16 09 28.4			
		56.6 N 152.1 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 25 km			
		Mag : 5.5 (Pas),			
		$5\frac{1}{2}$-$5\frac{3}{4}$ (Brk),			
		$5\frac{3}{4}$-6 (Pal),			
		5.5 (CGS)			
		6.0 (Qt)			
30	Wr	ePZ	17	05	28.7
	Lh	ePZ			37.0
	Qt	ePZ			55.5
		USCGS H 16 53 07.7			
		56.6 N 152.2 W			

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ate	Station		Phase	h	m	s
			Prince William Sound, Alaska aftershock depth about 15 km Mag : 5.0 (CGS)			
30	Wr		ePZ	17	34	20.0
	Qt		ePZ			46.0
			USCGS H 17 22 06.2 60.7 N 145.5 W Prince William Sound, Alaska aftershock depth about 15 km Mag : 4.6 (CGS)			
30	Qt		ePZ	17	53	42.5
			USCGS H 17 41 13.4 61.5 N 150.0 W Prince William Sound, Alaska aftershock depth about 40 km Mag : 4.3 (CGS)			
30	Qt		ePKPZ	19	00	02.0
			USCGS H 18 42 03.4 24.2 S 176.4 W Tonga Islands region depth about 33 km Mag : 4.6 (CGS)			
30	Qt		ePZ	19	31	03.5
			USCGS H 19 18 20* 60.5 N 143.8 W Alaska aftershock depth about 15 km Mag ; 4. 7(CGS)			
30	Qt		ePZ	20	45	35.0
			USCGS H 20 32 46.8 59.4 N 145.1 W Prince William Sound, Alaska aftershock depth about 15 km Mag : 4.5 (CGS)			
30	Qt		ePZ	21	44	52±
			USCGS H 21 32 14.9 59.9 N 147.6 W Alaska depth about 33 km Mag : 4.5 (CGS)			
30	Qt		ePZ	22	34	05.0
			USCGS H 22 21 25.2 60.3 N 146.9 W Prince William Sound, Alaska aftershock depth about 15 km Mag : 4.7 (CGS)			
30	Qt		ePZ	22	49	56.5
			USCGS H 22 37 14.4 58.4 N 149.8 W Prince William Sound, Alaska aftershock depth about 33 km Mag : 4.6 (CGS)			
30	Qt		ePZ	23	16	18.3
			USCGS H 23 03 34.5 57.3 N 152.7 W Prince William Sound, Alaska aftershock. depth about 20 km Mag : 5.0 (CGS)			
30	Wr		ePZ	23	47	26.4
			eSZ		48	04.5
	Qt		ePZ			31.5
			eSE		50	00.5
			H 23 46 36			
31	Qt		ePZ	00	04	20.5
			USCGS H 23 51 46·0 59·6 N 147·4 W Prince William Sound, Alaska aftershock depth about 33 km Mag : 4·6 (CGS)			
31	Ch		ePZ	00	23	26·0
			ePPZ			40
			esPZ			53

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Date	Station	Phase	h	m	s
		eSNE		30	59
	Lh	ePZ		24	10 ·0c
		eSN*		32	18 ·0
	Wr	iPZ		24	13 ·2d
	Qt	iPZ			49 ·6c
		eSE		33	38 ·0
		Mu Sec			
		PZ 0·1 1·5			
		MH 12·6 20			
		△ = 66°.2			
		USCGS H 00 14 11·7			
		45·3 N 151·0 E			
		Kurile Islands			
		depth about 60 km			
		Mag : 5½-5¾ (Pal),			
		5·3 (CGS)			
		5·9 (Qt)			
31	Qt	ePZ	01	07	36·0
31	Qt	ePZ	02	10	41·5
		USCGS H 01 57 54·3			
		57·6 N 150·1 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 20 km			
		Mag : 4·8 (CGS)			
31	Ch	ePZ	02	56	02
	Qt	ePZ			19·0
		eXZ		58	10·0
		USCGS H 02 43 35·6			
		56·7 N 154·0 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 20 km			
		Mag : 4·7 (CGS)			
31	Wr.	iPZ	03	09	57·1d
		iSZ		10	30·8
	Qt	ePZ			55·0
		eSNE		12	18·5
		H 03 09 10			
31	Wr.	ePZ	04	32	32·3
	Ch	ePZ			55
	Qt	ePZ			59·0
		USCGS H 04 20 16·3			
		60·3 N 146·3 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 5 km			
		Mag : 4·9 (CGS)			
31	Qt	ePZ	04	58	55·7
		USCGS H 04 46 06·1			
		57·6 N 151·2 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 33 km			
		Mag : 4·7 (CGS)			
31	Qt	ePZ	07	21	40·2
		USCGS H 07 08 54·5			
		58·3 N 149·3 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 20 km			
		Mag : 4·5 (CGS)			
31	Qt	ePZ	08	53	32±
		USCGS H 08 40 52·2			
		59·8 N 148·6 W			
		Alaska aftershock			
		depth about 36 km			
		Mag : 4·7 (CGS)			
31	Wr	ePZ	09	14	45·7
	Qt	ePZ		15	0 9±
		Mu Sec			
		MH 4·9 20			
		△ = 99°·2			
		USCGS H 09 01 30·2			
		50·8 N 130·2 W			
		Vancovor Islands region			
		depth about 15 km			
		Mag : 6(Pas),			
		6-6¼ (Brk),			
		6½-6¾ (Pal),			
		5·6 (CGS)			

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	Station	Phase	h	m	s
	Wr	ePZ	11	15	50·1
	Qt	ePZ		16	17·0
		USCGS H 11 03 35·4			
		58·9 N 149·9 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 20 km			
		Mag : 5·0 (CGS)			
	Wr	ePZ	12	05	34·2
	Qt	ePZ		06	01·0
	Wr	iPZ	12	06	31·7c
		iSZ			58·1
	Qt	ePZ		07	31·5
		eSN		08	44·0
		H 12 05 58			
	Qt	ePZ	16	56	25·0
		USCGS H 16 43 45·5			
		59·7 N 148·7 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 33 km			
		Mag : 4·6 (CGS)			
31	Wr	ePZ	18	49	45·1
	Qt	ePZ		50	13·0
		USCGS H 18 37 36·8			
		60·4 N 146·0 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 33 km			
		Mag : 4·8 (CGS)			
31	Wr	ePZ	21	16	17·8
	Qt	iPZ			44·5c
		USCGS H 21 04 01·1			
		58·2 N 150·3 W			
		Prince William Sound,			
		Alaska aftershock			
		depth about 20 km			
		Mag : 5·2 (CGS)			
31	Qt	ePZ	21	45	57·0
31	Qt	ePZ	22	49	38·5
31	Qt	ePZ	23	03	18·0

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Date	Phase	h	m	s
	QUETTA			
1	ePZ	02	30	33·0
	eSN			37·0
1	ePZ	17	27	10±
	eSN			39·5
1	ePZ	17	39	04·5
1	ePZ	19	34	10·0
	eSN			37·0
1	iPZ	20	10	25·0d
	eSN			40·0
2	ePZ	02	04	53·0
	eSN		05	22·0±
2	ePZ	07	07	44·4
	eXE		08	07·1
	eSE			15·0
2	ePZ	08	57	51·5
2	ePgZ	10	58	09·0
	iSgE			10·0
2	ePZ		12	17 26±
2	ePgZ	14	12	07·5
	iSgE			08·5
2	ePZ	14	48	00·2
	iXZ			01·0
3	ePgZ	03	56	14·0
	iSgE			16·0
3	ePZ	11	53	00·0
	eSNE			23·0
4	ePZ	03	55	28·5
	eSN			45·0
4	ePZ	04	20	49·5
	eSE		21	07·0
4	ePZ	07	52	45·5
	eSN		53	17·0
4	ePgZ	08	45	18·0
	eSgN			20·5
4	ePgZ	08	47	51·0
	eSgN			53·0
4	ePZ	10	40	01·5
	e(S)E			10·0
4	ePZ	12	33	02·2
	eSN			03·5
4	ePZ	15	41	22·0
	eSE			32·5
4	ePZ	17	19	28±
4	ePZ	19	19	03±
4	ePZ	19	53	10·0
	eSN			36·0
4	ePZ	20	48	45·0
	eSE		49	11·5
4	ePZ	22	35	27·0
	iXZ			42·0
5	ePZ	06	06	40·5
5	ePZ	08	35	06·0
	iSE			47·3
5	ePZ	13	01	00·0
	eSE		02	23·5
5	ePZ	13	58	19±
5	ePZ	14	53	15·5
	eSE			22·5
5	ePZ	18	44	00·0
	eSE		45	45·5
5	ePZ	20	00	09·0
	eSE			26·0
5	ePZ	20	02	45·5
5	ePZ	20	48	38·0
	e(S)E		49	31·0
5	ePZ	22	02	01·0
6	ePZ	01	14	33·0
6	ePZ	08	02	28·5
	iSE			44·5
6	ePZ	11	04	38·0
	eSE		05	07·8
6	ePZ	13	21	14·0
	eSE			28·5
6	ePZ	14	34	52·0
7	ePZ	07	44	03·4
8	ePZ	04	05	15·0
	eSN		06	09·0
8	ePZ	06	01	59·0
	eSN		02	02·0

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te	Phase	h	m	s
8	ePZ	17	30	57·5
	eSN		31	25·0
8	ePZ	17	43	29·5
	eSN			32·0
9	ePZ	06	53	00·0
	eSE			38·0
9	ePZ	21	47	20±
9	ePZ	23	01	03±
0	ePZ	00	25	57·0
0	ePZ	19	40	20·7
0	eZ	22	17	00·5
0	ePZ	22	42	03±
	eSE			16·0
10	ePZ	22	51	57·5
11	ePZ	04	17	48·0
	eSN		19	20·6
11	ePZ	04	20	21·0
	eSN			41·7
11	ePZ	09	14	31±
	eSN			36·5
11	eSN	10	27	34·5
11	ePZ	15	09	54·5
	eSE		10	07·5
12	ePZ	13	17	27·4
	eSE			34·5
12	iPZ	21	02	17·0
	iSE			18·5
13	ePZ	11	26	36·5
13	iPZ	17	21	50·8c
	iSN			52·8
13	ePZ	17	52	17·0
	eSN			21·5
13	ePZ	18	15	56·0
	iSN			57·6
13	ePZ	21	24	00·0
14	ePZ	06	46	49±
14	ePZ	08	44	35·5
	eSE			56·5
14	ePZ	09	31	50±
	e(S)E		32	32·5

Date	Phase	h	m	s
14	ePZ	10	51	51·0
	eSE		52	01·5
14	ePZ	11	13	00·0
	eSE			36·5
14	ePZ	16	02	03·0
14	ePZ	19	58	00·0
	eSE			38·5
15	ePZ	15	15	38·5
	eSE		16	31·5
15	iPZ	15	41	28·0d
	eSN			39·5
15	ePZ	15	52	18·5
	eSN			33·5
15	ePZ	18	27	33·5
	eSN			58·0
15	ePZ	21	02	38·2
	eSN		03	06·5
16	ePZ	02	22	40±
16	ePZ	05	04	00·0
	eSN		05	38·0
16	ePZ	09	12	50±
16	ePZ	16	18	23·5
16	ePZ	20	01	22·0
17	ePZ	06	10	28·1
	eSN			51·7
17	ePZ	06	55	48·0
	eSE			54·0
17	ePZ	10	48	54·0
	eSE		49	09·5
18	ePZ	00	45	14·0
	eSN			41·3
18	ePZ	06	26	43·0
	eSN		27	08·0
18	ePZ	19	31	07±
18	ePZ	19	53	48·0
	eSN			53·5
18	ePZ	23	47	36·0
	eSN		48	02·5
19	ePZ	08	31	15·0
19	ePZ	22	12	48·0

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Date	Phase	h m s
20	ePZ	05 43 31·0
	e(S)N	44 56·0
20	ePZ	22 18 02·0
21	ePZ	06 35 27·5d
	eSN	46·0
21	ePZ	15 51 02·5
	eSN	13·0
21	ePZ	20 18 17·6
	eSNE	19·0
21	ePZ	20 20 31·7
	eSE	33·0
21	ePZ	22 12 08±
21	ePZ	23 54 39·0
	eSN	54·6
22	ePZ	00 24 48·0
	eSE	25 14·5
22	ePZ	14 22 47±
	eSN	23 32·5
22	ePZ	18 54 09·8
	eSN	12·5±
22	ePZ	19 43 23·5
	eSN	41·6
23	ePZ	00 42 45·5
	eSN	43 45·5
23	ePZ	05 50 35·5
	eSN	51 02·5
23	ePZ	11 19 35·0
	eSN	36·6
23	ePZ	11 51 19·9
	eSN	52 02·5
24	ePZ	15 05 30·6
	eSE	53·5
24	ePZ	15 56 22·5
	eSE	48·0
24	ePZ	15 58 36·5
24	ePZ	18 56 29·2±
25	ePZ	20 13 28·7
	eSN	14 01·4
25	ePZ	07 20 56·5±
	eSN	21 09·5
25	ePZ	12 04 55·0±
	eSN	05 09·2
25	ePZ	21 02 13·5
	eSN	23·5
25	ePZ	23 02 55·0
	eSN	03 20·0
	eSE	03 22·0
26	ePZ	13 24 24±
	eSN	35·0
27	eSN	02 40 05·5
27	ePZ	03 08 29±
	eSN	49±
27	ePZ	05 32 36·2
	eSE	33 03·5
27	ePZ	06 12 56·7d
	eSE	13 08·0
28	ePZ	02 07 34·8
	eSE	08 02±
28	ePZ	20 15 57·0
28	ePZ	23 26 25·3
	eSN	27 15·0
29	ePZ	01 20 11·8
29	ePZ	18 30 20·5
30	ePZ	00 55 27·5
	eSN	56 15·2
30	ePZ	05 35 55·3
	eSN	36 07·5
30	ePZ	08 40 54·5
30	ePZ	14 01 51·5
	e(S)N	02 21·0

WARSAK

1	ePZ	06 48 59·2
	eSZ	49 34·3
3	ePZ	08 19 08·9
3	ePZ	12 51 59·8
	eSZ	52 30·0
3	ePZ	12 39 00·2
4	ePZ	13 37 35·0
	eSZ	57·6

Minor Shock
International Seismological Centre

Date	Phase	h	m	s
4	ePZ	15	34	18·1
4	iPZ	19	18	30·2
	iSZ			54·5
4	iPZ	22	34	53·6
	iSZ		35	16·8
5	ePZ	18	43	25·0
5	iPZ	20	47	56·1
	iSZ		48	22·3
5	ePZ	22	01	06·3
	eSZ			32·3
6	ePZ	01	11	55·0
7	ePZ	05	55	38·6
7	ePZ	06	57	22·6
8	ePZ	04	27	03·6
	eSZ			37·8
8	ePZ	11	59	59·0
8	iPZ	13	51	13·7
8	ePZ	15	35	11·2
8	ePZ	15	41	47·9
9	ePZ	06	51	30·1
	eSZ			55·9
10	ePZ	21	42	58·0
10	ePZ	22	16	58·2
	eSZ		17	18·4
11	ePZ	10	25	17·4
	eSZ			49·6
12	ePZ	09	13	43·0
	eSZ		14	19·3
12	ePZ	15	43	41·1
13	ePZ	12	56	41·1
	eSZ		57	08·3
13	ePZ	15	35	38·3
	eSZ		36	10·6
14	ePZ	15	56	03·7
14	ePZ	19	49	43·8
	eSZ		50	22·5
15	ePZ	03	30	31·0
	eSZ		31	45·8
15	ePZ	12	19	43·9
15	ePZ	19	45	21·1
15	ePZ	22	30	42·2
15	ePZ	23	09	47·8
15	ePZ	23	49	02·0
	eSZ			30·8
16	ePZ	02	22	56·7
16	ePZ	04	57	14·7
16	ePZ	07	54	00·2
17	ePZ	09	49	00·1
19	ePZ	05	04	24·3
19	ePZ	07	38	04·5
	eSZ			29·8
19	ePZ	11	22	16·2
	eSZ			43·9
20	ePZ	15	49	36·4
	eSZ		50	02·7
20	ePZ	17	08	04·3
	eSZ			31·7
21	ePZ	04	20	35·6
21	ePZ	06	48	01·8
	eSZ			32·1
22	ePZ	07	56	38·7
	eSZ		57	13·4
22	ePZ	08	52	07·3
	eSZ			38·8
23	ePZ	02	03	06·9
	eSZ			43·6
23	ePZ	07	44	09·0
	eSZ			49·2
23	iPZ	11	50	23·4
	iSZ			48·8
24	ePZ	03	11	20·2
24	ePZ	13	11	44·8
	eSZ		12	32·0
25	ePZ	05	27	44·8
26	ePZ	02	15	35·4
26	ePZ	04	14	00·7
	eSZ			33·9
26	iPZ	15	55	30·8
	iSZ			55·6
27	ePZ	03	57	28·4

Date	Phase	h	m	s
27	ePZ	08	48	22·1
	iSZ		49	04·8
28	ePZ	00	56	19·0
28	iPZ	11	20	37·9
28	ePZ	12	15	30·4
28	ePZ	16	07	44·1
28	ePZ	11	50	17·7
29	ePZ			44·3
	eSZ	15	42	24·7
29	ePZ		43	01·4
	eSZ	16	30	43·0
29	ePZ	00	55	00·4
30	ePZ			28·2
	eSZ	03	28	21·7
30	ePZ	10	03	21·0
30	iPZ			40·7
	iSZ	11	04	35·0
30	ePZ	11	56	53·6
30	ePZ		57	20·8
	eSZ	22	10	50·6
30	ePZ		11	09·8
	eSZ	02	50	30·0
31	ePZ		51	02·7
	eSZ	07	57	20·4
31	ePZ	13	23	37·0
31	ePZ	15	23	20·9
	eSZ			41·2

LAHORE

2	eXZ*	18	55	27·0
	eXZ*		56	05·0
5	eXE*	06	37	02·0
11	eXN*	23	40	34·0
16	eXZ	17	48	34·0
19	eXZ	01	04	50·0
19	eXZ*	22	01	55·0
	eXZ*		04	05·0
23	eXZ	07	38	02·0
26	eXZ	02	15	28·0
27	eXZ	23	06	50·0

Date	Phase	h	m	s
	eXN			45·0
28	ePZ	05	47	56·0
28	eXZ	07	06	00

KARACHI

8	ePZ	04	04	40·8
	eXZ			49·5
18	ePZ	04	47	46·8d
21	ePZ	04	21	00·4
30	ePnZ	14	00	19·5
	ePgZ			23·7
	eSnE			41·0

CHITTAGONG

1	eXZ	07	00	20
1	eXZ	08	09	38
1	eXZ	13	01	22
2	eXE	03	35	58
2	eXE	05	40	48
2	eXE	07	24	56
2	eXE	23	34	24
3	eXE	05	13	48
3	eXE	14	43	50
4	eXE	01	46	02
4	eXE	23	59	58
6	eXZ	23	53	10
7	eXZ	00	16	00
7	eXZ	01	47	12
7	ePZ	08	37	00±
	eSN			28
7	eXZ	08	53	27
7	eXZ	15	33	11
7	eXZ	20	23	44
8	eXZ	01	59	46
8	eXZ	05	33	05
8	eXZ	10	06	03
8	eXZ	12	04	48
8	eXZ	14	34	20
8	eXZ	23	03	52
8	eXZ	23	50	16

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Date	Phase	h	m	s
9	eXZ	00	19	44
9	eXZ	10	06	46
9	eXZ	10	32	25
9	eXN	14	12	27
9	eXE	14	55	22
9	ePZ	21	42	37
9	eXZ	22	37	13
10	eXZ	02	11	29
10	eXZ	03	14	32
10	ePZ	05	52	54·1
10	eXZ	07	10	22
10	eXZ	11	56	47
11	eXE	01	56	24
11	eXE	08	06	51
11	eXE	11	03	00
11	eXE	22	29	55
11	eXE	23	17	29
11	eXZ	23	43	11
12	ePZ	09	22	26·8
	eSN			42
12	ePZ	09	25	05·6
	eSN			21
12	ePZ	22	18	34·8
	eXZ			51
12	eXZ	23	07	12
12	eXZ	23	18	16
12	eXZ	23	37	53
12	eXZ	01	17	48
13	eXZ	03	57	30
13	eXZ	04	46	21
13	eXZ	07	25	06
13	eXN	07	39	36
13	eXZ	08	24	54
13	eXZ	09	20	12
13	eXZ	21	27	16
13	eXZ	00	41	12
14	eXZ	02	54	54
14	eXZ	02	59	46
14	eXZ	03	36	39
14	eXE	15	34	41
14	eXZ	15	46	08
14	eXE	15	59	56
14	eXE	18	07	57
14	eXE	22	28	41
14	eXE	00	57	33·5
15	ePZ			50.4
	iSN			
15	eXZ	03	25	40
15	eXZ	05	08	36
15	eXZ	06	43	54
15	eXZ	08	05	29
15	eXZ	23	12	35
15	eXE	00	23	28
16	eXE	07	16	15
16	eXZ	08	19	45
16	eXE	13	30	55
16	eXE	00	18	03
17	eXE	02	15	22
17	eXN	02	55	25·0
18	ePZ	13	28	46·2
18	ePZ	17	04	29
18	eXZ	20	02	29
18	eXZ	02	59	31
19	eXZ	03	43	41
19	eXZ	09	51	23
19	eXZ	12	01	00
19	eXZ	21	58	08
19	iXZ	04	31	58
20	eXZ	05	08	34
20	eXZ	08	00	41
21	eXE	10	55	05
21	eXN	20	58	58
21	eXE	04	14	30
21	eXE	05	41	04
22	eXN	07	25	06
22	eXN	08	56	07
22	eXN	22	35	21
22	eXN	23	53	34
22	eXN	01	29	17
23	eXE	21	54	04
23	eXE	22	17	32
24	eXE			
24	eXN			
24	eXN			

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March. 1964

Date	Phase	h	m	s	
25	eXE	03	55	54	
25	eXE	04	04	03	
25	eXE	05	00	28	
25	eXZ	10	46	54	
25	eXZ	20	25	21	
26	ePZ	01	22	31	·8
26	ePZ	02	13	08	±
26	eXZ	05	32	55	
26	eXZ	12	24	36	
26	eXN	21	31	20	
27	eXN	19	56	15	
28	eXZ	20	44	08	
28	eXZ	02	45	52	
28	eXZ	03	01	31	
28	eXZ	07	03	20	·6
28	eXZ	08	44	49	·1
28	eXZ	09	09	44	
28	eXZ	12	15	50	
28	eXZ	15	01	50	·5
29	eXZ	12	04	07	
29	eXZ	02	29	24	
29	eXZ				
29	eXZ				
29	eXZ				
29	eXZ				
29	eXZ				
29	eXZ				
30	eXZ				
30	eXE				
30	eXZ				
30	eXZ				
30	eXZ				
31	eXZ				
31	eXZ				
31	eXZ				
31	ePZ				
31	eXZ				
31	eXZ				
31	eXZ				

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Quetta

QUARTERLY
SEISMOLOGICAL BULLETIN
OF
PAKISTAN

Vol. 10 **April to June 1964** **No. 2**

Issued under the authority of the Director

PAKISTAN METEOROLOGICAL SERVICES

GEOPHYSICAL CENTRE

QUETTA

PRINTED BY THE MANAGER, PRINTING CORPORATION OF PAKISTAN PRESS, KARACHI.
1976

International Seismological Centre

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The Seismological Bulletin of Pakistan is a quarterly publication containing data of Seismological Stations of Pakistan.

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Corrigenda

April - June

Page 6 column two dated 3 April Read Mag 5.8 (Qt)

instead of 5.4 (QT)

Page 14 column two dated 12 April Read 179.8W

instead of 119.8W

Page 14 column two dated 12 April Read Eastern Caacasus

instead of Eastern Casxasus

Page 19 column two dated 19 April Read ePPKPZ 33 08.5 instead of ePKPZ 33 08.7

Page 31 column two dated 2 May Read MH 63.3

instead of 633

Page 44 column one d ated 30 May Read Phillipine Islands

Instead of Philippine Islands.

	Z	1.0	0.77	"	2,00,000
"	N	1.0	0.76	"	2,00,000
"	E	1.0	0.77	"	2,00,000

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SEISMOLOGICAL ... of PAKISTAN

Pakistan Meteorological Services, Geophysical Centre, Quetta.

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Particulars of Stations and Instruments

(a) Stations

Station	Symbol	Latitude	Longitude	Height (a. s. l.)	Ground
Quetta	Qt	30° 11′N	66°57′E	1721 meters	Cretaceous Limestone
Lahore	Lh	31° 33′N	74° 20′E	210 ,,	Alluvium
Karachi	Kr	24° 50′N	67° 02′E	30 ,,	Alluvium
Chittagong	Ch	22° 21′N	91° 49′E	35 ,,	Alluvium
Warsak	Wr	34° 09′N	71° 25′E	343 ,,	River Terrace

(b) Instruments

Instruments	Components	Period Sec. To	Period Sec. Tg	Damping	Max. Magnification
Quetta					
Sprengnether	Z	1.9	1.9	Critical	5,500
,,	N	15.8	15.8	,,	15,000
Benioff	Z	1.0	0.77	,,	2,00,000
,,	N	1.0	0.76	,,	2,00,000
,,	E	1.0	0.77	,,	2,00,000

Instruments	Components	Period Sec. To	Tg	Damping	Max. Magnification
Sprengnether	Z	30.1	100.0	Critical	3,000
"	N	30.3	100.0	"	3,000
"	E	30.2	100.0		—
Willmore	Z	1.0	0.25	—	—
Sprengnether	E	1.0	6.0	—	
Pen recorder					
Lahore					4,900
Sprengnether	Z	1.8	1.8	Critical	4,200
"	N	1.7	1.7	"	4,100
"	E	1.6	1.6	"	6,250
Benioff	Z	1.0	0.75	"	6,250
"	N	1.0	0.75	"	6,250
"	E	1.0	0.75	"	750
Sprengnether	Z	30.0	100.0	"	750
"	N	30.0	100.0	"	750
"	E	30.0	100.0		
Karachi					5,890
Sprengnether	Z	1.8	1.8	Critical	4,700
"	N	1.8	1.8	"	4,700
"	E	1.4	1.4	"	
Chittagong					5,200
Sprengnether	Z	1.7	1.7	Critical	5,700
"	N	1.8	1.8	"	3,600
"	E	1.5	1.5	"	
Warsak					8,000
Sprengnether	Z	1.95	1.95	Critical	4,000
"	N	1.8	1.8	"	

* indicates long period seismographs
c=compression, d—dilatation, x—unidentified phase
Mu=Actual ground motion of the indicated phase in microns
Sec=period of the indicated phase in seconds
(Pas), (Berk), (Up), (Ki), (Pal), stand for seismological observatories, Pasadena (U.S.A.), Berkeley (U. S. A.), Uppsala (Sweden), Kiruna (Sweden) & Palisade (U. S. A.) respectively
All times are in Greenwich Mean Time

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Date	Station	Phase	h m s
1	Wr	ePZ	00 13 24.0
	Qt	ePZ	50.6
		USCGS H 00 01 10.6	
		60.4 N 146.4 W	
		Alaska aftershock	
		depth about 10 km	
		Mag : 4.9 (CGS)	
1	Wr	ePZ	03 35 43.0
	Qt	ePZ	36 03.0
		epPZ	10.7
		ePPZ	39 31.5
		eSE*	46 44.0
		Mu Sec	
		MH 1.6 20	
		△ =88°.4	
		USCGS H 03 23 17.2	
		57.2 N 151.3 W	
		Alaska aftershock	
		depth about 25 km	
		Mag : 5¼ (Pal),	
		5.1 (CGS),	
		5.7 (Qt)	
1	Qt	ePZ	04 45 22.5
		USCGS H 04 32 40.7	
		58.7 N 150.1 W	
		Alaska aftershock	
		depth about 20 km	
		Mag : 4.8 (CGS)	
1	Qt	ePZ	05 02 16.5
		USCGS H 04 49 26*	
		57.2 N 151.4 W	
		Alaska after shock	
		depth about 20 km	
		Mag : 4.8 (CGS)	
1	Wr	ePZ	05 45 21.2
	Qt	ePZ	46.5
		USCGS H 05 33 02.9	
		59.9 N 146.0 W	
		Alaska after shock	
		depth about 15 km	
		Mag : 4.5 (CGS)	
1	Qt	ePZ	06 29 04.7
		USCGS H 06 16 21*	
		60.2 N 147.1 W	
		Alaska after shock	
		depth about 15 km	
		Mag : 4.8 (CGS)	
1	Qt	ePZ	08 46 03.0
		USCGS H 08 33 22.0	
		59.9 N 146.6 W	
		Alaska aftershock	
		depth about 10 km	
		Mag : 4.5 (CGS)	
1	Wr	ePZ	08 55 13.0
		eSZ	43.6
	Qt	iPZ	56 07.8c
		iSE	57 18.8
		Mu Sec	
		PZ 0.01 0.4	
		△ =6°.2	
		H 08 54 34	
		Hindukush region	
		Mag : 4.4 (Qt)	
1	Qt	iPZ	09 08 46.5d
1	Qt	ePZ	10 12 08.0
		e(S)NE	14 26.0
1	Wr	ePZ	13 32 02.3
		eSZ	36.6
	Qt	ePZ	33 01.0c
		iSE	34 20.5
		H 13 31 18	
		Hindukush region	
1	Qt	ePZ	14 07 16.5
		USCGS H 13 54 31.9	
		57.5 N 151.3 W	
		Alaska aftershock	
		depth about 20 km	
		Mag : 4.9 (CGS)	
1	Qt	ePZ	15 35 21.0
		USCGS H 15 22 38.3	

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Date	Station	Phase	h m s
		57.3 N 152.9 W	
		Alaska aftershock	
		depth about 15 km	
		Mag : 4.8 (CGS)	
1	Wr	ePZ	16 41 25.3
	Qt	ePZ	52.0
		USCGS H 16 29 09.0	
		59.7 N 146.5 W	
		Alaska aftershock	
		Mag : 4.7 (CGS)	
1	Qt	ePZ	20 25 51.0
		USCGS H 20 13 08.3	
		58.3 N 149.6 W	
		Alaska aftershock	
		depth about 20 km	
		Mag : 5.1 (CGS)	
1	Qt	ePZ	22 13 40.0
		USCGS H 22 00 58.7	
		58.9 N 150.0 W	
		Alaska aftershock	
		depth about 20 km	
		Mag : 4.6 (CGS)	
2	Ch	ePZ	01 15 46.8
	Lh	ePZ	18 12.0
	Kr	ePZ	31.2
		epPZ	50.4
		ePPZ	19 45.4
		ePPPZ	20 02.6
		eSE	23 00.7
		esSE	57·2
	Wr	ePZ	18 43.7
	Qt	iPZ	47.2d
		epPZ*	19 21.0
		ePPZ	20 20.5
		epPPZ*	49.0
		ePcPZ*	21 07.0
		eSN*	24 28.0
		esSN	25 18.0
		iSSN*	27 15.0
		iXN*	29 45.0

Date	Statson	Phase	
		Mu Sec	
		PZ 0.2 1.0	
		MH 54.4 20	
		△ = 37°.7	
		USCGS H 01 11 55*	
		5.9 N 95.7 E	
		Near coast of northern	
		Sumatra	
		Mag : 5.2 (CGS),	
		5·9 (Qt)	
2	Wr	ePZ	07 03 27.4
	Qt	iPZ	38.5d
	Wr	ePZ	07 48 28.5
	Qt	ePZ	43.5
		USCGS H 07 38 31*	
		2.0 N 125.6 E	
		Northern Celebes	
		depth about 82 km	
		Mag : 5.0 (CGS)	
2	Qt	ePZ	09 17 36.5
		USCGS H 09 04 51.9	
		57.9 N 151.1 W	
		Alaska aftershock	
		depth about 33 km	
		Mag : 4.8 (CGS)	
2	Wr	ePZ	10 10 14.3
	Qt	ePZ	41.2c
		ePPZ	14 05.0
		eSN*	21 21.0
		Mu Sec	
		MH 1.2 20	
		△ = 88°.2	
		USCGS H 09 57 54.5	
		56.5 N 152.8 W	
		Alaska aftershock	
		depth about 20 km	
		Mag : 4.9 (CGS),	
		5.7 (Qt)	
2	Wr	ePZ	11 53 26.2
	Qt	ePZ	52.5d

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Date	Station	Phase	h m s
		ePPZ	57 13.4
		eSN*	12 04 30.0
		Mu Sec	
		PZ 1.2 20	
		△ = 87°.6	
		USCGS H 11 41 10.7	
		58.8 N 149.6 W	
		Alaska aftershock	
		depth about 20 km	
		Mag : 5.4 (CGS),	
		5.7 (Qt),	
2	Qt	ePZ	13 41 15.5
		USCGS H 13 28 38.6	
		60.2 N 147.6 W	
		Alaska aftershock	
		depth about 20 km	
		Mag : 4.4 (CGS)	
2	Qt	ePZ	15 49 03.0
2	Ch	ePZ	16 03 48.1
	Lh	ePZ	06 02.0
		epPZ*	36.0
		eSPE*	14 03.0
	Wr	ePZ	06 23.7
	Qt	ePZ	43.5d
		ePcPZ	07 19.0
		ePPZ*	09 06.0
		eSN*	14 51.0
		Mu Sec	
		PZ 0.2 1.0	
		PH 0.1 1.0	
		MH 2.2 20	
		△ =61°.5	
	Kr	ePZ	06 44.5d
		USCGS H 15 56 52.6	
		5.8 N 125.8 E	
		Mindanao, Philippine	
		Islands	
		depth about 179 km	
		Mag : 5.7 (CGS),	
		5.7 (Qt)	

Date	Station	Phase	h m s
			Major Shock
			18 37 59.0
2	Qt	ePZ	
		USCGS H 18 25 21.0	
		60.0 N 147.8 W	
		Alaska aftershock	
		depth about 40 km	
		Mag : 4.6 (CGS)	
			19 51 04.0
2	Qt	ePZ	
		USCGS H 19 38 24.7	
		60.7 N 145.8 W	
		Alaska aftershock	
		depth about 15 km	
		Mag : 4.4 (CGS)	
			20 22 25.0d
2	Qt	ePZ	
		USCGS H 20 09 42.0	
		59.8 N 147.0 W	
		Alaska aftershock	
		depth about 10 km	
		Mag: 5.0 (CGS)	
2	Wr	ePZ	22 46 49.4
	Lh	e(P)Z	59.0
	Qt	ePZ	47 16.5
		eSE*	57 57.0
		Mu Sec	
		MH 1.7 20	
		△ =88°.3	
		USCGS H 22 34 31.7	
		59.8 N 144.3 W	
		Alaska aftershock	
		depth about 20 km	
		Mag : 4¼-5 (Brk),	
		5¼-6 (Pal),	
		5.0 (CGS),	
		5.8 (Qt)	
3	Wr	ePZ	00 04 36.7
		eSZ	05 06.9
	Qt	ePZ	36.3
		eSN	06 55.9
		Mu Sec	
		PZ 0.01 0.5	
		△ = 7°.0	
		H 00 03 55	

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Date	Station	Phase	h	m	s
		Hindukush region			
		Mag : 4 .3 (Qt)			
3	Qt	ePZ	00	50	21 .8
		USCGS H 00 37 38 .5			
		58 .2 N 148 .9 W			
		Alaska aftershock			
		depth about 33 km			
		Mag : 5 .0 (CGS)			
3	Ch	ePZ	04	16	58 .4
		epPZ		17	16
		ePPZ			21
		ePPPZ			27
		eSN	20	23	
	Lh	ePZ	19	25	.0
		eSN*	24	46	.0
	Kr	ePZ	19	37	.0
		epPZ			52 .2
		eSE	25	07	.5
	Wr	ePZ	19	54	.5
	Qt	iPZ			57 .8d
		epPZ	20	13	.2
		esPZ*			24 .0
		ePPZ	21	19	.5
		iPcPZ	22	11	.8
		iSN*	25	48	.0
		esSE*	26	08	.5
		eSSN*	28	29	.0
		eScSE*		30	02.4
		Mu Sec			
		PZ 0.1 1.0			
		MH 2.3 20			
		△ =38°.5			
		USCGS H 04 12 41.9			
		4.0 N 96.6 E			
		Near west coast of			
		Sumatra			
		depth about 70 km			
		Mag : 5.8 (CGS),			
		5.6 (Qt)			
3	Wr	iPZ	08	51	03.0d
	Qt	ePZ			29 .4d
		eSN*	09	02	09 .0
		Mu Sec			
		MH 1.9 20			
		△ = 88°.2			
		USCGS H 08 38 42.8			
		59.6 N 144.7 W			
		Alaska aftershock			
		depth about 10 km			
		Mag : 5.4 (CGS),			
		5.4 (Qt)]			
3	Qt	ePZ	08	59	24±
		USCGS H 08 46 27*			
		57.9 N 150.5 W			
		Alaska aftershock			
		depth about 15 km			
		Mag : 5.5 (CGS)			
3	Wr	ePZ	11	31	57.8
	Qt	ePZ		32	24.0
3	Wr	ePKPZ	14	05	08.7
	Qt	ePKPZ			41±
		USCGS H 13 46 38.0			
		8.7 S 78.7 W			
		Near coast of Central			
		Peru			
		depth about 82 km			
		Mag : 4.6 (CGS)			
3	Qt	ePKPZ	17	40	50.0
		USCGS H 17 21 10*			
		1.9 N 102.2 W			
		1300 km northwest of			
		Galapagos Islands			
		depth about 33 km			
		Mag : 4.8 (CGS)			
3	Qt	ePZ	20	10	32.0
		USCGS H 19 57 53.3			
		60.1 N 148.0 W			
		Alaska aftershock			
		depth about 20 km			
		Mag : 4.8 (CGS)			

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Date	Station	Phase	h	m	s
3	Qt	ePZ	22	38	37±
		USCGS H 22 15 48.3			
		57.1 N 151.9 W			
		Alaska aftershock			
		depth about 15 km			
		Mag : 5.1 (CGS)			
3	Wr	ePZ	22	45	45.3
	Lh	ePZ			55.0
		epPZ		46	11.0
		ePPZ		48	54.5
		eSE*		56	00.0
		esSE*			18.2
		eSSE*	23	01	18.0
	Qt	ePZ	22	46	11.5
		eSN		56	36.0
		Mu Sec			
		MH 7.5 20			
		△ = 84°.8			
		USCGS H 22 33 42.2			
		61.6 N 147.6 W			
		Alaska aftershock			
		depth about 40 km			
		Mag : 6.3 (Qt)			
4	Qt	ePZ	01	27	07.2
		e(S)E			36.0
	Wr	ePZ			24.8
4	Qt	ePZ	02	29	07.0
		eSN			34.5
	Wr	ePZ			56.7
4	Wr	ePZ	05	06	11.8
	Lh	ePZ			21.0
	Ch	ePZ			35.8
	Qt	ePZ			38.4c
		iPPZ		09	54.5
		iSN*		17	09.0
		Mu Sec			
		PZ 0.3 2.4			
		MH 10.5 20			
		△ = 86°.1			
		H 04 54 00			
		Alaska			
		depth about 33 km			
		USCGS H 04 54 01.7			
		60.1 N 146.7 W			
		Alaska aftershock			
		depth about 40 km			
		Mag : 6.3 (Qt)			
4	Qt	ePZ	07	04	03.1
		USCGS H 06 57 12*			
		5.5 N 95.3 E			
		Northern Sumatra			
		depth about 157 km			
		Mag : 4.6 (CGS)			
4	Wr	ePZ	08	52	50.2
	Lh	e(P)Z		53	00.0
	Qt	ePZ			17.0
		ePPZ		56	40.0
		eSN	09	03	51.0
		Mu Sec			
		MH 9.2 20			
		△ = 87°.0			
		H 08 40 33			
		Mag : 6.3 (Qt)			
4	Wr	ePZ	09	23	15.2
	Lh	ePZ			22.7
	Qt	iPZ			41.0c
		ipPZ			46.1
		iPcPZ			48.4
		ePPZ		27	08.6
		iSN		34	18.1
		eScSE			32.2
		ePSN		35	23.4
		Mu Sec			
		MH 10.2 20			
		△ = 87°.6			
	Kr	ePZ	09	23	59.6
		USCGS H 09 10 55.1			
		56.9 N 152.7 W			
		Alaska aftershock			
		depth about 15 km			

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Date	Station	Phase	h	m	s
		Mag : 6.3 (Qt)			
4	Wr	ePZ	15	20	29.8
	Qt	ePZ			55.3
4	Wr	ePZ	17	58	26·2
	Lh	ePZ			33·5c
		ePcPZ			39·5
		epPZ			46·0
		ePPN*	18	01	49·0
		eSN*		08	52·0
		esSN*		09	09·0
		ePSN*			50·0
	Ch	ePZ	17	58	37·5
		eSN	18	08	59
	Qt	iPZ	17	58	53·1c
		ipPZ			59·5
		ePcPZ		59	02·1
		ePPZ	18	02	15·3
		iSN		09	20·6
		Mu Sec			
		PZ 0·1 1·5			
		MH 80·0 20			
		△= 85°·5			
	Kr	ePZ	17	59	15·5
		epPZ			23·8
		esPZ			32·0
		ePPZ	18	02	54·0
		eSKSE		09	56·0
		eSE		10	09·5
		USCGS H 17 46 08·6			
		56·3 N 154·4 W			
		Alaska aftershock			
		depth about 25 km			
		Mag : 6·8 (Qt)			
4	Lh	ePZ	18	12	07·0
	Qt	ePZ			27·1c
		ePPZ		15	46·0
		eSN		22	54·5
	Kr	ePZ		12	50·9
		USCGS H 17 59 43·3			
		56·4 N 154·5 W			
		Alaska aftershock			
		depth about 25 km			
		Mag : 5¼ (Brk),			
		6½-6¾ (Pal),			
		5·5 (CGS)			
4	Qt	ePZ	18	28	37·5d
		USCGS H 18 15 52·4			
		56·2 N 154·5 W			
		Alaska aftershock			
		depth about 25 km			
		Mag : 5·0 (CGS)			
4	Qt	ePZ	20	14	26·2
		USCGS H 20 01 44·8			
		59·5 N 147·6 W			
		Alaska aftershock			
		depth about 33 km			
		Mag : 4·8 (CGS)			
4	Lh	ePZ	21	46	56·0
	Wr	ePZ		47	20·0
	Qt	ePZ			41·8
		eSN		55	15·0
		USCGS H 21 38 14·0			
		10·5 N 122·1 E			
		Off west coast of			
		Negros, Philippine			
		Islands			
		depth about 33 km			
4	Wr	ePZ	22	29	17·0
	Lh	ePZ			23·0
		eSN*		39	45·0
	Qt	ePZ		29	40·5
		eSN		40	11·2
5	Wr	ePZ	01	34	32·3
	Lh	ePZ			39·6
		ePPZ*		37	49·0
		eSN*		45	02·0
	Ch	ePZ		34	46·5
	Qt	ePZ			59·5
		ePPZ		38	22·0
		eSE*		45	30·2

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Date	Station	Phase	h	m	s
		Mu Sec			
		MH 22·8 20			
		△= 86°·1			
		USCGS H 01 22 13·3			
		56·2 N 153·5 W			
		Alaska aftershock			
		depth about 25 km			
		Mag : 6-6¼ (Pal),			
		5·4 (CGS),			
		6·5 (Qt)			
5	Wr	ePZ	01	54	03·4
	Ch	e(P)Z			26
	Qt	ePZ			30·5
		ePPZ		57	58·0
		eSN	02	05	11·4
		Mu Sec			
		MH 15·6 20			
		△ = 88°·4			
		USCGS H 01 41 45·0			
		56·2 N 153·3 W			
		Alaska aftershock			
		depth about 35 km			
		Mag : 5¾-6 (Pal),			
		5·2 (CGS),			
		6·3 (Qt)			
5	Qt	ePN	03	48	08·5
		eSN		49	26·0
5	Qt	ePKPN	11	38	30·5
		USCGS H 11 18 38·9			
		41·9 S 83·7 W			
		Off coast of Southern			
		Chile			
		depth about 33 km			
		Mag : 5·3 (CGS)			
5	Qt	ePN	17	37	52·4
5	Wr	ePZ	19	40	31·7
	Lh	ePZ			40·5
		iPcPZ			45·6
		eSN*		50	55·0
	Ch	ePZ		40	53·4
	Qt	ePN			59·0
		ePPZ		44	22·0
		eSE*		51	33·0
		USCGS H 19 28 18·1			
		60·2 N 146·7 W			
		Alaska aftershock			
		depth about 15 km			
		Mag : 5-5¼ (Brk),			
		5½ (Pal),			
		5·8 (CGS)			
6	Wr	ePZ	10	54	55·1
	Qt	ePZ		55	20·2
		ePPZ		58	41·2
		eSN	11	05	50·0
		USCGS H 10 42 36·3			
		59·9 N 145·6 W			
		Alaska aftershock			
		depth about 15 km			
		Mag : 4·8 (CGS)			
6	Qt	iPZ	13	57	19·5d
		USCGS H 13 45 10·5			
		52·5 N 173·9 W			
		Andreanof Islands,			
		Aleutian Islands			
		Mag : 4·7 (CGS)			
6	Lh	ePZ	16	20	55·0
	Wr	ePZ			58·0
	Qt	ePZ		21	33·4c
		USCGS H 16 10 52·2			
		45·2 N 150·9 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 4·5 (CGS)			
6	Wr	ePZ	17	48	02·5
	Qt	ePZ			30·6
		USCGS H 17 35 50·6			
		59·9 N 147·8 W			
		Alaska aftershock			
		depth about 15 km			
		Mag : 4·9 (CGS)			

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Date	Station	Phase	h	m	s
6	Wr	ePZ	18	16	21·5
	Qt	ePZ			44·6
		USCGS H 18 03 56·4			
		56·4 N 151·8 W			
		Alaska aftershock			
		depth about 20 km			
		Mag : 4·7 (CGS)			
6	Lh	ePZ	23	55	20·5
	Qt	iPZ			50·1d
		eSN	00	06	12·3
		USCGS H 23 43 01·7			
		5·1 S 154·0 E			
		New Ireland region			
		depth about 116 km			
		Mag : 4·8 (CGS)			
7	Qt	iPZ	00	12	59·5d
		eSN		13	26·0
		Mu Sec			
		PZ 0·11 0·5			
		Δ = 2°·2			
		H 00 12 25			
		Pakistan-Afghanistan			
		border			
		Mag : 3·8 (Qt)			
7	Ch	ePZ	01	56	01·0
	Qt	ePZ			04·4
		ePPZ		59	26·0
		eS	02	06	35·0
		Mu Sec			
		MH 2·3 20			
		Δ = 86°·6			
		USCGS H 01 43 28·7			
		58·5 N 154·5 W			
		Alaska aftershock			
		depth about 30 km			
		Mag : 5·1 (CGS),			
		5·8 (Qt)			
7	Qt	ePKPZ	10	58	27·8
		USCGS H 01 41 29·3			
		17·9 N 68·0 W			
		Mona Passage			
		depth about 98 km			
		Mag : 4·1 (CGS)			
7	Ch	iPZ	13	25	25·0c
		eSN		31	06
	Lh	ePZ		27	43·0c
		ePcPZ		28	38·0
		eSN		35	16·0
		esSN*		36	21·0
	Wr	ePZ		28	05·5
	Kr	ePZ			07·9
		epP			43·4
	Qt	ePZ			19·6c
		eSN		36	27·5
		Mu Sec			
		PZ 0·1 1.0			
		Δ = 60°·8			
		USCGS H 13 18 18·9			
		0·1 N 123·2 E			
		Northern Celebes			
		depth about 150 km			
		Mag : 5·8 (CGS),			
		5·7 (Qt)			
7	Wr	ePZ	18	14	43·6
	Ch	ePZ		15	00±
	Qt	ePZ			12·3
		ePPZ		18	33·5
		eSE*		25	50·1
		USCGS H 18 02 24·7			
		57·3 N 151·1 W			
		Alaska aftershock			
		depth about 20 km			
		Mag : 4·8 (CGS)			
7	Lh	ePZ	19	40	58·0
	Qt	ePZ		41	16·5
		eSE*		52	00·0
		USCGS H 19 28 24·7			
		55·7 N 151·9 W			
		Alaska aftershock			
		depth about 20 km			

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Date	Station	Phase	h	m	s
		Mag : 5·6 (CGS)			
7	Wr	ePZ	19	54	33·3
		eSZ		55	08·1
					13·1
	Lh	ePZ			
		eSN		56	18·0
				55	38·9
	Qt	ePZ			
		eSE		57	09·3
		Mu Sec			
		PZ 0·01 0·5			
		△ = 7°·9			
		H 19 53 47			
		36·8 N 71·6 E			
		Hindukush			
		depth about 210 km			
		Mag : 4·3 (Qt)			
7	Qt	ePZ	23	38	14·0
		USCGS H 23 25 40·7			
		51·4 N 168·5 W			
		Fox Islands, Aleutian			
		Islands			
		depth about 50 km			
		Mag : 4·7 (CGS)			
8	Ch	ePZ	02	13	43·1
	Wr	ePZ		14	17·8
	Qt	ePZ			54·3
		USCGS H 02 04 06·5			
		46·1 N 152·8 E			
		Kurile Islands			
		depth about40 km			
		Mag : 4·9 (CGS)			
8	Qt	ePZ	02	51	29·0
		eSE		52	50·5
8	Qt	ePZ	05	06	36·2d
		USCGS H 04 56 53·2			
		9·7 N 125·6 E			
		Mindnao, Philippine			
		Islands			
		depth about 126 km			
		Mag : 5·0 (CGS)			
8	Kr	ePZ	08	14	35·3d
		ePPZ			15·8
					20·2d
	Qt	iPZ			
		eSE*	21	00	0·0
		Mu Sec			
	PZ	0·1 1·0			
		△ = 36°·6			
	Lh	ePZ	08	15	32·0
		eSN*		21	28·0
		eSSN*		24	04·0
				15	51·9
	Wr	ePZ			
		USCGS H 08 08 11·8			
		6·8 S 68·9 E			
		Chagos Archipe ago			
		region			
		depth about 33 km			
		Mag : 5·7 (CGS),			
		5·6(Qt)			
8	Ch	ePZ	11	07	31·2
	Lh	ePZ		08	09·0
		epPZ			22·8
		eSNE		16	10·0
		eSSE*		20	08·0
	Wr	ePZ		08	10·8
	Qt	iPZ			48·3c
		eSN*		17	22·0
		Mu Sec			
		MH 29·2 20			
		△ = 64°·4			
	Kr	ePZ	11	09	10·5c
		USCGS H 10 58 09·1			
		45·8 N 150·8 E			
		Kurile Islands			
		depth about 40 km			
		Mag : 5½-5¾(Brk),			
		6¼-6½(Pal),			
		5·5 (CGS),			
		6·4 (Qt),			
8	Qt	ePZ	14	19	24·9
	Wr	ePZ			47·0
		USCGS H 14 12 29·5			
		35·1 N 24·3 E			

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Date	Station	Phase	h	m	s
		Near Crete			
		depth about 71 km			
		Mag : 5·0 (CGS)			
8	Qt	ePZ	19	11	41·1
		USCGS H 18 58 50·5			
		56·9 N 149·9 W			
		Alaska aftershock			
		depth about 35 km			
		Mag : 4·8 (CGS)			
8	Lh	ePZ	19	45	45·0
	Qt	ePZ		46	02·4c
		USCGS H 19 33 19·0			
		59·6 N 147·0 W			
		Alaska aftershock			
		depth about 15 km			
		Mag : 5·1 (CGS)			
8	Qt	ePZ	19	55	48·7
8	Lh	ePZ	20	02	40·6
	Ch	ePZ			56·8
	Qt	iPZ			57·8
		ePPZ		06	13·0
		eSN*		13	25·0
		Mu Sec			
		MH 2·7 20			
		△ =85°·3			
		USCGS H 19 50 16·8			
		60·4 N 145·9 W			
		Alaska aftershock			
		depth about 10 km			
		Mag : 5¼-5½(Pal),			
		5·3 (CGS),			
		5·9 (Qt)			
8	Qt	ePKPZ	23	46	54·1
		USCGS H 23 27 12·7			
		37·8 S 73·6 W			
		Near coast of central			
		Chile			
		depth about 33 km			
		Mag : 4·5 (CGS)			
9	Qt	ePKPZ	04	34	28·0
		USCGS H 04 15 23·0			
		13·5 N 89·9 W			
		El Salvador			
		depth about 89 km			
		Mag : 5·0 (CGS)			
9	Qt	ePZ	12	46	04·8
		USCGS H 12 33 23·9			
		59·5 N 148·9 W			
		Alaska aftershock			
		depth about 20 km			
		Mag : 4·7 (CGS)			
9	Wr	ePZ	13	18	36·1
	Qt	ePZ		19	02·2d
		eSN*		29	31·0
		Mu Sec			
		MH 1·7 20			
		△ = 85°·8			
		USCGS H 13 06 15·2			
		59·6 N 146·1 W			
		Alaska aftershock			
		depth about 15 km			
		Mag : 5¼-5¾(Pal),			
		5·1 (CGS),			
		5·8 (Qt)			
9	Qt	ePZ	20	53	10·0
9	Qt	ePZ	21	56	20·5
9	Qt	ePKPZ	22	14	10·7
		ePPZ		17	05·5
	Lh	ePKPZ		14	21·0
		USCGS H 21 54 42·1			
		18·5 S 71·5 W			
		Southern Peru			
		depth about 39 km			
		Mag : 5·2 (CGS)			
9	Qt	ePZ	23	26	38·2
		USCGS H 23 16 04*			
		46·3 N 149·6 E			
		Kurile Islands			
		depth about 15 km			
		Mag : 4·5 (CGS)			

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Date	Station	Phase	h	m	s
10	Lh	ePZ	01	20	25·0
	Qt	ePZ			43·2d
		ePPZ		24	04·6
		eSN*		31	20·5
		Mu Sec			
		PZ 0·1 1·5			
		△ = 87°·6			
		USCGS H 01 08 00·2			
		58·4 N 150·6 W			
		Alaska aftershock			
		depth about 15 km			
		Mag : 5-5¼ (Pal),			
		5·5 (CGS),			
		5·8 (Qt)			
10	Qt	ePZ	07	56	13.7
10	Qt	ePZ	08	37	55.6
10	Qt	ePZ	09	32	23.8
10	Wr	ePZ	13	03	33.7
		eSZ		04	09.4
	Qt	ePZ			40.5
		eSE		05	03.2
		H 13 02 50.0			
		Hindukush region			
10	Ch	ePZ	13	19	09.5
	Qt	ePZ		21	21.5
		USCGS H 13 10 05.4			
		13.5 N 144.9 E			
		Mariana Islands			
		depth about 101 km			
		Mag : 5.4 (CGS)			
10	Qt	iPZ	18	39	50.3d
		iSNE		41	01.5
		Mu Sec			
		PZ 0.02 0.5			
		△ = 6°.3			
		H 18 38 17			
		Mag : 4.6 (Qt)			
10	Ch	ePZ	19	18	24
	Qt	ePZ			33.6c
		eSN*		29	07.0
		Mu Sec			
		MH 1.7 20			
		△ = 86°.8			
		USCGS H 19 05 52.6			
		59.7 N 148.2 W			
		Alaska aftershock			
		depth about 15 km			
		Mag : 5-5¼ (Pal),			
		5.2 (CGS),			
		5.8 (Qt)			
10	Lh	ePZ	21	56	20.3
	Qt	ePZ			38.8d
		eSN*	22	07	04.0
		Mu Sec			
		PZ 0.1 1.5			
		PH 2.4 20			
		△ = 85°.0			
		USCGS H 21 44 06.7			
		60.1 N 153.7 W			
		Alaska aftershock			
		depth about 10 km			
		Mag : 5.6 (CGS),			
		5.8 (Qt)			
10	Qt	ePZ	22	34	57.0c
10	Lh	ePZ	22	56	10.6
		eSNE			37.0
	Qt	ePZ		57	37.5
		eSE		59	11.5
11	Qt	ePKPZ	01	22	53.0d
		USCGS H 01 04 30.2			
		29.0 S 178.9 W			
		Kermadec Islands			
		depth about 302 km			
		Mag : 5.3 (CGS)			
11	Qt	ePZ	04	24	19.0
11	Qt	ePZ	05	24	03.0
11	Qt	ePZ	06	19	58.0
		USCGS H 06 11 02.1			
		52.2 N 124.4 E			
		Ryukyu Islands region			

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Date	Station	Phase	h m s
		depth about 74 km	
		Mag : 5.0 (CGS)	
11	Qt	ePZ	11 48 41.0
11	Qt	ePZ	12 29 36.0
		eSN*	37 06.5
11	Qt	ePZ	15 45 01.0
		eSN	46 42.0
11	Qt	ePZ	16 07 39.0
		eSN*	13 05.0
		Mu Sec	
		MH 8.4 20	
		△ = 34°.6	
		USCGS H 16 00 42.8	
		40.5 N 25.0 E	
		Aegean Sea	
		depth about 33 km	
		Mag : 5.1 (CGS),	
		5.8 (Qt)	
11	Wr	ePZ	20 37 22.0
	Lh	ePZ	38 08.3
		eSN	39 11.6
	Qt	ePZ	38 20.8c
		eSE	39 37.0
		Mu Sec	
		PZ 0.02 0.5	
		△= 6°.9	
		H 20 36 42	
		36.4 N 70.3 E	
		Hindukush	
		depth about 150 km	
		Mag : 4.6 (Qt)	
12	Wr	ePZ	01 36 53
	Lh	ePZ	59.6
		ePPZ*	40 13.0
		eSN*	47 20.0
	Ch	ePZ	37 11.0
	Qt	ePZ	19.0
		ePPZ	40 42.5
		eSN*	47 45.0
		Mu Sec	
		PZ 0.3 2.0	
		MH 20.6 20	
		△ = 85°.2	
		USCGS H 01 24 31·2	
		56·6N 152·2E	
		Alaska aftershock	
		depth about 22 km	
		Mag : 5.6 (CGS).	
		6·4 (Qt)	
12	Qt	ePZ	02 10 44.0
		eSE	12 37.0
12	Qt	ePZ	05 40 42.5
12	Wr	ePZ	09 47 02.5
	Qt	ePZ	31.5
12	Wr	ePKPZ	11 29 37.3
	Qt	PKPZ	43.0c
		epPKPZ	30 02.5
		USCGS H 11 10 54.8	
		33·9 S 119·8W	
		Kemradec Island	
		depth about 89 km	
		Mag : 5.4 (CGS)	
12	Qt	ePZ	12 10 50.3
		esPN	59·0
		ePPZ	11 11·8
	Wr	ePZ	10 58·7
		USCGS H 12 06 01·3	
		42.6 N 45.2 E	
		Eastern Caaxasus	
		depth about 33 km	
		Mag : 4·8 (CGS)	
12	Qt	ePZ	12 49 13.7
		ePPZ	52 31·2
		USCGS H 12 36 23	
		56·4 N 151·4 E	
		Alaska aftershock	
		depth about 30 km	
		Mag : 5·0 (CGS)	
12	Wr	ePZ	13 00 35·7
	Ch	ePZ	42·6
	Qt	ePZ	48·0
12	Qt	ePZ	16 28 47·5

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Date	Station	Phase	h	m	s
12	Wr	ePZ	17	34	06·7
	Qt	ePZ			43·0
13	Qt	ePZ	01	07	51·5d
		USCGS H 00 55 01			
		59·5 N 144·7 W			
		Alaska aftershock			
		depth about 33 km			
		Mag : 3·9 (CGS)			
13	Qt	ePZ	01	18	05·0
	Wr	ePZ			16·7
13	Wr	ePZ	03	24	05d
	Qt	ePZ			42·0c
		ePPZ	25	04	0
		eSE	28	22	0
		eSSE			51·5
		eSSSE	29	05	8
		Mu Sec			
		PZ 0·05 1·0			
		△ = 20°·3			
		Mag : 4·8 (Qt)			
13	Qt	ePKPZ	06	41	23·0
		USCGS H 06 23 34·1			
		19·5 S 177·7 W			
		Tonga Islands region			
		depth about 574 km			
		Mag : 4·4 (CGS)			
13	Qt	ePZ	08	37	44·5c
		epPZ			56·8
		iXZ*	39	24	0
		eSE*	44	00	0
		eSSN*	48	13	5
		Mu Sec			
		MH 2·9 20			
		△ = 42°·0			
	Wr	ePZ	08	37	53
	Kr	ePZ	38	13	2
		esPZ			19·2
	Lh	ePZZ*			20·0
		USCGS H 08 30 03·6			
		45·3 N 18·1 E			
		Northern Yugoslavia			
		depth about 33 km			
		Mag : 5·5 (Qt)			
13	Ch	ePZ	08	53	07·5
	Qt	ePZ			55 46·5
		USCGS H 08 45 24·6			
		22·3 N 142·1 E			
		Bonin Islands region			
		depth about 309 km			
		Mag : 5·1 (CGS)			
13	Qt	ePZ	11	34	19·7
		USCGS H 11 24 04			
		7·1 S 129·2 E			
		Banda Sea			
		depth about 126 km			
13	Wr	ePZ	11	36	32 d
	Qt	ePZ			52·5c
13	Wr	ePZ	12	04	18·5
		eSZ			50·1
	Qt	ePZ		05	17·0
		eSE		06	35·5
13	Lh	ePZ	12	38	12·H
	Qt	ePZ			20·0
		epPZ			28·5
		ePPZ*		41	35·0
		eSN*		49	15·0
		Mu Sec			
		MH 8·9 20			
		△ = 89°·7			
		USCGS H 12 25 38*			
		59·4 N 143·9 W			
		Alaska			
		depth about 40 km			
		Mag : 4·9 (CGS),			
		6·2 (Qt)			
13	Lh	ePZ	14	17	26·0
		epPZ			33·0
	Qt	ePZ			44·8
		epPZ			51·4
		esPZ			59·5

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Date	Station	Phase	h	m	s
		ePPZ	21	07	0
		eSE*	28	24	2
		USCGS H 14 05 00·0			
		57·6 N 151·2 W			
		Alaska			
		depth about 25 km			
		Mag : 5·5 (CGS)			
13	Qt	ePZ	16	26	50·5
		eXZ		29	16·4
13	Qt	ePZ	19	29	31·5c
13	Wr	ePZ	21	37	35
	Lh	ePZ			54·2d
		epPZ	38	05	5
		eSN*	48	08	0
	Qt	iPZ	38	12	5d
		epPZ		24	2
		esPN		29	0
		eSN*	48	37	0
		USCGS H 21 25 33·0			
		57·5 N 153·9 W			
		Alaska aftershock			
		depth about 30 km			
		Mag : 5·5 (CGS)			
13	Wr	ePZ	21	55	38
	Lh	ePZZ*			46·7
	Qt	ePZ		56	03·5
		USCGS H 21 43 6·5			
		59·4 N 143·1 W			
		Alaska aftershock			
		depth about 33 km			
		Mag : 5·1 (CGS)			
13	Qt	ePZ	23	02	13·5
		USCGS H 22 49 56			
		51·0 N 178·8 E			
		Rat Islands, Aleutian Islands			
		depth about 33 km			
		Mag : 4·4 (CGS)			
14	Qt	ePZ	01	15	16·5d
		iXZ			46·6
		ePZ	05	13	21·6c
14	Qt	eSN*		22	47·0
		eSSN*		27	30·0
		ePZ		13	39.9
	Wr	USCGS H 05 01 59.1			
		41.0 S 80.8 E			
		Kerguelen Islands			
		region			
		South Indian Ocean			
		depth about 33 km			
14	Wr	ePZ	16	07	16.5
	Lh	ePZ			36±
	Qt	ePZ			42.5
		epPZ			52.5
		ePPZ	11	00.0	
		eSN*	18	06.4	
		Mu Sec			
		MH 1.2 20			
		△ = 84°.8			
		USCGS H 15 55 10.9			
		61.3 N 147.3 W			
		Alaska aftershock			
		depth about 20 km			
		Mag : 5.4 (CGS), 5.7 (Qt)			
14	Qt	ePZ	17	11	56.5
14	Wr	ePZ	23	07	42.9
	Lh	ePZ			53.0c
		epPZ	08	01.0	
		eSN*	18	08.5	
	Qt	ePZ	08	11.0c	
		epPZ			20·5
		ePPZ	11	47.0	
		eSN*	18	38.0	
		Mu Sec			
		MH 6.5 20			
		△ = 85°.4			
		USCGS H 22 55 31.3			
		58.0 N 152.6 W			
		Alaska aftershock			

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Date	Station	Phase	h m s
		depth about 30 km	
		Mag : 5.4 (CGS),	
		6.1 (Qt)	
14	Wr	ePZ	23 52 45.9
		eSZ	53 14.1
	Qt	ePZ	48.0
		eSN	55 05.5
		Mu Sec	
		PZ 0.02 0.5	
		△ = 6°.8	
		H 23 52 08.0	
		Hindukush region	
		Mag : 4.6 (Qt)	
15	Qt	ePZ	08 36 11.5
15	Wr	ePZ	15 43 01.8
	Lh	ePZ	10.6
		epPZ	20.0
	Qt	iPZ	28.8c
		epPZ	37.5
		ePPZ	46 47.2
		iXN*	50 39.1
		eSN*	53 58.0
		Mu Sec	
		MH 19.0 20	
		△ = 85°.8	
		USCGSH 15 30 47.1	
		56.5 N 154.4 E	
		Alaska after shock	
		depth about 35 km	
		Mag : 5.5 (CGS),	
		6.4 (Qt)	
15	Lh	ePZ	16 39 32.1
	Wr	ePZ	40 18.9
	Kr	ePZ	34.0
	Qt	iPZ	38.5d
		eSN	4 27.5
		Mu Sec	
		PZ 0.1 1.0	
		△ = 21°.1	
		H 16 35 54.0	
		23.5 N 89.8 E	
		East Pakistan	
		depth about 33 km	
		Felt-Kushtia, Jessore	
		USCGS H 16 35 57.5	
		21.7 N 88.0 E	
		India-East Pakistan	
		border region	
		depth about 36 km	
		Mag : 5.5 (CGS)	
15	Qt	ePZ	17 11 18.0
15	Qt	ePZ	20 43 19.8
16	Lh	ePZ	01 14 08.0c
	Wr	ePZ	16.7
	Qt	iPZ	52.0c
		ePPZ	17 12.0
		eS	23 9.5
		USCGS H 01 04 34.5	
		37.0 N 142.7 E	
		Off east coast of	
		Honshu, Japan	
		depth about 38km	
		Mag : 5.1 (CGS)	
16	Wr	ePZ	06 31 38.7
	Qt	ePZ	32 15.0d
16	Qt	ePZ	12 23 53.0
16	Wr	ePZ	13 55 10
	Lh	ePZ	15.5c
	Qt	iPZ	39.5c
		epPZ	51.0
		eSN	14 06 06.0
		Mu Sec	
		MH 2.5 20	
		△ = 85°.3	
		USCGS H 13 43 08.9	
		52.1 N 169.4 W	
		Fox Islands, Aleutian	
		Islands	
		depth about 33 km	
		Mag : 4.9 (CGS),	
		5.9 (Qt)	

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Date	Station	Phase	h	m	s
16	Lh	ePZ	14	17	49.6c
		epPZ	18	01.5	
	Wr	ePZ		03.0	
	Qt	iPZ		18.5c	
		epPZ		30.4	
		USCGS H 14 05 14.9			
		7.0 S 155.7 E			
		Solomon Islands			
		depth about 78 km			
		Mag : 5.4 (CGS)			
16	Qt	iPZ	14	25	10.0d
		iXZ		16.6	
		iXZ		27.6	
16	Wr	ePZ	19	39	15.9
	Lh	ePZ		24.0c	
		ePPZ*	42	36.0	
		eSN*	49	45.0	
	Qt	ePZ	39	42.0	
		ePPZ	43	02.2	
		eSKSN*	49	50.0	
		eSN*	50	11.0	
		Mu Sec			
		MH 42.8 20			
		△ = 85°.6			
		USCGS H 19 26 57.4			
		56.4 N 152.9 W			
		Alaska aftershock			
		depth about 30 km			
		Mag : 5.5 (CGS),			
		6.6 (Qt)			
17	Qt	ePZ	01	25	28.0
		USCGS H 01 15 01			
		3.7 N 127.7 E			
		Taland Islands			
		depth about 34 km			
17	Qt	ePZ	03	08	30.8
17	Qt	ePZ	04	57	41.0
17	Wr	ePZ	05	01	50.6
	Lh	ePZ		59.0	
		ePPZ	05	10.0	
		eSN*	12	19.0	
	Qt	ePZ	02	17.5	
		ePPZ	05	43.0	
		eSN*	12	50.2	
		Mu Sec			
		MH 17.7 20			
		△ = 86.°6			
		USCGS H 04 49 30.5			
		56.4 N 152.9 W			
		Alaska aftershock			
		depth about 15 km			
		Mag : 4.9 (CGS),			
		6.5 (Qt)			
17	Wr	ePZ	06	12	42.1
	Qt	ePZ		58.0	
17	Wr	ePZ	09	21	24.5
	Qt	ePZ		51.6	
		ePPZ		25.09.0	
		eScSE*		32 32.0	
		Mu Sec			
		MH 1.5 20			
		△ = 85°.0			
		Mag : 5.8 (Qt)			
17	Wr	ePZ	14	06	49.2
		lSZ		07 22.6	
	Qt	lPZ		47.1d	
		eSE		09 09.0	
		Mu Sec			
		PZ 0.02 0.6			
		△ = 7°.3			
		Mag : 4.5 (Qt)			
18	Ch	ePZ	05	37	05.5
	Wr	ePZ		50.4	
	Qt	ePZ		38 26.0	
		eSE		47 26.5	
18	Wr	ePZ	06	05	47.5
	Qt	ePZ		06 24.1	
18	Qt	ePZ	07	59	49.0
18	Wr	ePZ	08	07	13.7
	Qt	ePZ		48.0	
		USCGS H 07 58 26.9			

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Date	Station	Phase	h m s
		29.0 N 129.8 E	
		Ryukyu Islands	
		depth about 33 km	
		Mag : 4.9 (CGS)	
18	Wr	ePZ	20 20 40.9
	Lh	ePZ	49.0
	Qt	ePZ	21 07.5c
		ePPZ	24 29.5
		USCGS H 20 08 19.7	
		56.1 N 153.7 W	
		Alaska aftershock	
		depth about 15 km	
		Mag : 4.9 (CGS)	
18	Wr	ePZ	20 28 36.4
	Lh	ePZ	43.9
	Qt	ePZ	29 02.6
		ePPZ	32 13.0
		USCGS H 20 16 16.3	
		56.2 N 153.7 W	
		Alaska aftershock	
		depth about 30 km	
		Mag : 4.9 (CGS)	
19	Qt	ePKPZ	05 32 52.0
		epPKPZ	33 08 7
		eXZ	17.5
	Kr	ePKPZ	32 55.9
		epPKPZ	33 02.9
	Wr	ePKPZ	32 56.9
		USCGS H 05 13 01.6	
		41.7 S 83.9 W	
		Off coast of southern chile	
		depth about 33 km	
19	Qt	ePKPZ	14 31 31.5
		eXZ	34 03.5
		eXZ	53.0
	Wr	ePPKPZ	31 38.1
19	Qt	ePZ	19 03 50.0
19	Qt	ePZ	20 20 15.5
19	Wr	ePZ	21 54 35.1
		eSZ	55.09.0
	Lh	ePZ	13.8
		eSN	56 17.5
	Qt	iPZ	55 35.0c
		eSE	56 55.5
		Mu Sec	
		PZ 0.02 0.5	
		△ = 7°.1	
		H 21 53 50.8	
		36.3 N 71.0 E	
		Hindukush	
		depth about 180 km	
		Mag : 4.6 (Qt)	
20	Qt	ePZ	09 18 43.0
20	Wr	ePZ	12 08 46.3
	Lh	ePZ	57.0
		epPZ	09 12.0
		ePPZ	12 05.0
		eSN*	19 11.0
	Ch	ePZ	09 12.6
		eSNE	19 37.0
	Qt	ePZ	09 13.4
		epPZ	24.0
		epPZ	12 43.5
		eSN	19 36.0
		Mu Sec	
		PZ 0.2 1.6	
		MH 15.3 20	
		△ =84°.5	
		USCGS H 11 56 41.6	
		61.4 N 147.3 E	
		Alaska	
		depth about 30 km	
		Mag : 5.7 (CGS),	
		6.3 (Qt)	
20	Qt	ePZ	12 45 49.0
		eXZ	46 20.2
		eSZ	48 18.5
20	Wr	ePZ	16 30 38.8
	Qt	ePZ	31 05.6c
		eSN*	41 31.0
		USCGS H 16 18 26.4	

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Date	Station	Phase	h	m	s
		60.7 N 145.3 E			
		Alaska			
		depth about 15 km			
		Mag : 4.9 (CGS)			
20	Qt	ePZ	20	43	26.2d
		USCGS H 20 31 23			
		4.7 S 143.1 E			
		Northeast New Guinea			
		depth about 98 km			
20	Wr	ePZ	22	39	14.7
	Qt	ePZ			16.5
		ePPZ			29.0
		USCGS H 20 30 38.0			
		4.2 S 102.1 E			
		Southern Sumatra			
		depth about 33 km			
		Mag : 5.3 (CGS)			
21	Wr	ePZ	05	13	39.5
	Ch	ePZ		14	04.5
		eSKSN		24	23
		eSN			32
	Qt	ePZ		14	05.0
		ePPZ			20.2
		eSE*		24	30.0
		USCGS H 05 01 35.7			
		61.5 N 147.4 E			
		Alaska			
		depth about 40 km			
		Mag : 6 (Pas),			
		5.4 (CGS)			
21	Qt	ePZ	07	14	00.5
		USCGS H 07 01 53			
		4.8 S 142.8 E			
		Eastern New Guinea			
		depth about 62 km			
21	Qt	ePZ	20	44	16.4
22	Qt	ePZ	09	30	08.5
		e(S)N		32	53.0
22	Qt	ePZ	09	58	15.5
		USCGS H 09 46 54.2			
		56.1 N 34.9 W			
		North Atlantic Ocean			
		depth about 33 km			
22	Qt	iPZ	15	03	17.5d
		epPZ			25.5
		USCGS H 14 56 53.1			
		12.4 N 95.7 E			
		Andaman Islands region			
		depth about 33 km			
		Mag : 5.0 (CGS)			
22	Qt	ePKPZ	19	56	48.5
		USCGS H 19 37 53.2			
		16.1 S 173.4 W			
		Tonga Islands			
		depth about 33 km			
		Mag : 5.0 (CGS)			
23	Qt	ePZ	01	44	41.0
		ePPZ			50.2
		USCGS H 01 31 40.3			
		6.7 S 155.0 E			
		Solomon Islands			
		depth about 72 km			
		Mag : 5.0 (CGS)			
23	Qt	ePZ	02	01	17.0e
		epPZ			25.1
		USCGS H 01 51 10.6			
		32.1 N 138.7 E			
		South of Honshu, Japan			
		depth about 33 km			
		Mag : 4.8 (CGS)			
23	Ch	iPZ	03	41	43.5e
		eSNE		48	45.0
	Lh	ePZZ*		43	45.2e
		ipPZ			59.2
		ePPZ*		46	14.0
		iSZN*		52	40.0
	Wr	ePZ		44	06.6
	Kr	ePZ			11.0
		epPZ			16.5
		iPcPE			27.8
		ePPZ		46	49.3

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Date	Station	Phase	h	m	s
		iSE		53	31.2
		esSE			46.7
		eSS		58	00.0
	Qt	iPZ		44	20.9c
		epPE			26.5
		ePcPN			38.0
		ePPZ		46	55.0
		ePPPZ*		48	40.0
		iSN*		53	46.0
		ePKPPKPZ	04	12	04.5
		Mu Sec			
		MH 22.9 20			
		△ = 73°.3			
		USCGS H 03 32 50.3			
		5.3 S 134.0 E			
		Aru Islands region			
		depth about 33 km			
		Mag : 6.4 (CGS),			
		6.4 (Qt)			
23	Qt	ePZ	10	45	50.5
		ipPZ		46	00.0
		USCGS H 10 32 47.9			
		6.6 S 155.1 E			
		Solomon Islands region			
		depth about 60 km			
		Mag : 5.3 (CGS)			
23	Qt	ePZ	14	29	04.0
		epPZ			12.2
		eSE		33	18.0
		esSN*			40.0
	Wr	ePZ			29 22
		USCGS H 14 23 43.2			
		36.9 N 37.9 E			
		Turkey			
		depth about 57 km			
		Mag : 4.8 (CGS)			
23	Lh	ePZ	15	08	56.0
	Qt	ePZ		09	14.6
		ePPZ		12	36.0
		USCGS H 14 56 30.9			
		57.3 N 151.9 W			
		Alaska			
		depth about 33 km			
		Mag : 5.3 (CGS)			
23	Qt	ePZ	19	18	24.5c
23	Qt	ePZ	20	54	51.2
		epPZ			58.0
		USCGS H 20 45 20.7			
		14.0 N 124.4 E			
		Near coast of Luzon,			
		Philippine Islands			
		depth about 45 km			
23	Ch	ePZ	21	18	47.0
	Qt	ePZ			19 44.5
		USCGS H 21 08 42.0			
		52.7 N 160.9 E			
		Near east coast of Kamchatka			
		depth about 33 km			
		Mag : 4.8 (CGS)			
24	Ch	ePZ	00	52	39.1
	Qt	ePZ			53 36.4
		USCGS H 00 42 33.9			
		52.7 N 160.9 E			
		Near east coast of Kamchatka			
		depth about 33 km			
		Mag : 4.9 (CGS)			
24	Qt	ePZ	04	03	49.5
		USCGS H 03 51 05.0			
		59.5 N 144.5 E			
		Alaska			
		depth about 33 km			
		Mag : 5.2 (CGS)			
24	Lh	ePZ	06	07	46.0
		epPZ		08	10.0
		iSZ*		17	19.0
		iScSN*			45.0
	Wr	ePZ		08	03.0
		iSZ		17	48.1
	Kr	iPZ		08	16.5
		ePcPZ			22.0
		epPZ			42.0

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Date	Station	Phase	h	m	s
		ePPZ	11	23.1	
		eSE	18	12.6	
	Qt	iPZ	08	18.0d	
		epcPZ		30.0	
		ePPZ*	11	28.0	
		Mu Sec			
		MH 51.7 20			
		△=80°.7			
		USCGS H 05 56 10.1			
		5·1S 144.2 E			
		North east New Guinea			
		depth about 106 km			
		Mag : 6.3 (CGS),			
		6.5 (Qt)			
24	Qt	ePZ	14	39	31.6
		USCGS H 14 30 07.2			
		29.3 N 130.1E			
		Ryukyu Islands region			
		depth about 31 km			
		Mag : 4.8 (CGS)			
24	Qt	ePKPZ	14	59	24.0
		ePPZ	15	01	46.8
		USCGS H 14 40 28.3			
		13.3 N 88.8 W			
		Near coast of El Salvador			
		depth about 158 km			
		Mag : 5.1 (CGS)			
24	Qt	ePZ	20	02	34·5
		USCGS H 19 50 22.3			
		51.7 N 176.9 W.			
		Andrean of Islands			
		Aleutian Islands			
		depth about 50 km			
		Mag : 4.6 (CGS)			
24	Wr	aPZ	20	41	27.5
		eSZ			53.6
	Qt	ePZ		42	27.0
		eSE		43	39.1
25	Qt	ePZ	05	49	43.4
		epPZ			53.1
		USCGS H 05 36 42.2			
		6.7 S 155.0 E			
		Solomon Islands			
		depth about 72 km			
		Mag : 5.1 (CGS)			
25	Qt	ePZ	09	56	12.0
		USCGS H 09 43 30.7			
		59.9 N 144.9 W			
		Alaska			
		depth about 30 km			
		Mag : 5.0 (CGS)			
25	Wr	ePZ	10	34	55.3
	Qt	ePZ		35	57.0
		eSE		37	15.6
25	Qt	ePZ	12	50	48.2
		USCGS H 12 44 09.6			
		35.2 N 27.6 E			
		Dodecanese Islands region			
		depth about 27 km			
		Mag : 4.5 (CGS)			
25	Ch	ePZ	18	44	14.5
		epPZ			24
		eSNE		49	14
	Lh	ePZ		46	14.7
		epPZ			27.0
		eSNE*		52	51.0
	Qt	iPZ		47	04.8c
		epPZ			17.3
		eSN*			54 24.0
		Mu Sec			
		MH 2.3 20			
		△= 51.9			
		USCGS H 18 37 58.1			
		24.4 N 125.3 E			
		Ryukyu Islands			
		depth about 33 km			
		Mag : 5.3 (CGS),			
		5.7 (Qt)			
26	Wr	ePZ	11	22	10.6
	Qt	ePZ			58.0
		eXZ			24 45.0

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Date	Station	Phase	h m s
26	Lh	ePZ	14 07 52.5c
		eSN*	14 40.0
	Wr	ePZ	08 20.6
	Qt	iPZ	22.5c
		epPZ	37.0
		eSN*	15 16.2
		USCGS H 13 59 27.7	
		5.8 S 105.0 E	
		Southern Sumatra	
		depth about 90 km	
		Mag : 5.6 (CGS)	
26	Qt	ePKPZ	15 10 05.5d
		ePPZ	11 42.0
		epPKPZ	48.5
		USCGS H 14 52 07.6	
		20.6 S 178.0 W	
		Fiji Islands region	
		depth about 490 km	
		Mag : 5.1 (CGS)	
26	Qt	ePZ	22 53 30.5
27	Ch	ePZ	01 42 15.7
		ePPN	45.0
		eSN	46 22.0
		isSN	38.0
	Wr	ePZ	44 59.8
	Qt	ePZ	45 01.0
		epPZ	08.5
		esPZ	19.6
		eSN*	51 21.0
		USCGS H 01 37 12.1	
		0.3 N 98.1 E	
		Off west coast of Sumatra	
		depth about 33 km	
		Mag : 5.3 (CGS)	
27	Qt	ePZ	04 33 49.0
		USCGS H 04 21 15.9	
		8.6 S 148.1 E	
		Eastern Papua	
		depth about 110 km	
		Mag : 4.5 (CGS)	
27	Qt	ePKPZ	07 05 00
		ePKPZ	20.4
	Wr	USCGSH 06 44 25.1	
		60.1 S 150.0 E	
		Balleny Islands region	
		depth about 33 km	
		Mag : 5.0 (CGS)	
27	Qt	ePZ	19 40 03.0
27	Qt	ePZ	20 24 32.5
28	Qt	ePZ	07 02 12.5
28	Qt	ePZ	07 57 02.5
28	Qt	ePZ	13 36 57.0
28	Wr	ePZ	18 27 50.6
		eSZ	28 26.9
	Lh	ePZ	28 27.7
		eSN	29 31.0
	Qt	ePZ	28 55.5
		eSN	30 24.3
		H 18 27 04.0	
		36.8 N 71.7 E	
		Tadzhik. S. S. R.	
		depth about 125 km	
		USCGS H 18 27 03	
		37.1 N 71.7 E	
		Tadzhik. S. S. R.	
		depth about 146 km	
28	Qt	ePZ	22 53 57.5
		eSE*	58 52.0
29	Qt	ePZ	02 20 48.0
		epPZ	54.6
		USCGS H 02 11 36.6	
		32.4 N 129.0 E	
		Near west coast of Kyushu, Japan	
		depth about 33 km	
29	Qt	ePZ	04 28 09.5
		epPZ	19.6
		ePPZ*	29 38.0
		eSN	33 49.0
	Wr	ePZ	28 24.6c
	Ch	ePZ	31 09.8

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Date	Station	Phase	h m s
		USCGS H 04 21 06.7	
		39.3 N 23.7 E	
		Aegean Sea	
		depth about 33 km	
		Mag : 5.1 (CGS)	
29	Qt	ePZ	13 23 06.5
29	Qt	ePZ	17 07 07.5
		USCGS H 17 00 02.9	
		39.2 N 23.7 E	
		Aegean Sea	
		depth about 32 km	
		Mag : 4.6 (CGS)	
29	Qt	ePZ	18 28 00.6
30	Qt	ePKPZ	08 16 58.0
		USCGS H 07 57 33	
		3.8 N 101.1 W	
		1200 km west of Galapagos	
		depth about 33 km	
		Mag : 4.6 (CGS)	
30	Qt	ePZ	12 03 20.4
30	Qt	ePZ	15 02 52.1d
		USCGS H 14 54 03.3	
		20.3 N 121.1 E	
		Off north coast of Luzon.	
		Philippine Islands	
		depth about 50 km	
		Mag : 5.7 (CGS)	

Date	Station	Phase	h m s
30	Lh	ePZ	16 15 50.0c
		eSN*	26 05.0
	Wr	ePZ	16 03.7
	Qt	ePZ	20.5c
		epPZ	34.4
		ePPZ*	19 28.0
		eSKSE*	26 49.0
		eSNE	56.1
		eScSE*	27 18.0
		ePSE*	28 16.0
		ePPSE*	41.0
		Mu Sec	
		MH 2.6 20	
		△= 88°.0	
		USCGS H 16 03 31.4	
		4.6 S 153.2E	
		New Island region	
		depth about 78 km	
		Mag : 5.2 (CGS),	
		6.0 (Qt)	
30	Wr	ePZ	17 38 47.1
	Qt	ePZ	39 12.5
30	Qt	ePZ	19 16 17.5d
		USCGS H 19 06 48.7	
		12.3 N 124.4 E	
		Samar Philippine Islands	
		depth about 121 km	

Date	Phase	h	m	s
	QUETTA			
1	ePZ	05	23	29.5
	eSN			38.0
1	ePZ	16	32	25.5
	eSN			38.5
1	ePZ	22	41	37.5
2	ePZ	02	39	32.5
2	ePZ	12	05	36.5
2	ePZ	14	36	31.5
2	ePZ	15	49	03.0
2	eSE	17	30	14.5
	eSN			40.0
2	ePZ	23	06	08.5
	eSN			39.0
2	ePZ	23	46	52.5
3	ePZ	13	47	00.0
	eSE			27.0
3	ePZ	16	56	11.0
	eSN			49.0
4	iPZ	01	06	52.56
	eSN			08.5
4	ePZ	08	07	52.5
	eSN			08.0
4	ePZ	10	20	02.5
	eSN			23.0
4	eSIN	15	43	28.5
4	eSIN	15	47	30.5
5	ePZ	08	05	36.5
	eSN			06.0
5	ePZ	10	34	00.0
	eSN			15.5
5	ePZ	13	49	46.5
	eSN			47.0
5	ePN	17	53	33.5
	eXN			56.0
6	ePZ	18	34	53.0
	eSE			35 04.0
7	ePZ	04	40	03.6
7	ePZ	11	08	32.0

Date	Phase	h	m	s
	eSN			00
7	ePZ	13	57	38.0
7	iP	17	57	45.50
	eSN			58
7	ePZ	20	18	16.0
7	ePZ	23	18	44.5
8	epZ	00	36	45.5
8	ePZ	00	49	05.0
8	ePZ	01	39	42.5
8	iPZ	11	46	59.0a
	eSN			47
9	ePZ	01	05	57.5a
9	ePZ	02	58	47.0
9	ePgZ	07	48	57.8a
	eSgN			49
9	ePZ	14	04	48.0
	eSN			05
9	ePZ	17	03	44.0a
9	ePZ	22	10	22.0
	eSN			47.0
10	ePZ	04	26	23.0
10	ePZ	06	23	34.5
10	ePZ	22	30	20.0
10	ePZ	23	49	03.5
11	eSPZ	05	28	00.0
11	ePZ	09	11	20.5
	eSN			46.0
11	ePZ	09	16	00.0
	eSN			49.0
11	ePZ	09	38	38.0
11	ePZ	19	31	02.5
11	ePZ	22	13	54.0
11	ePZ	22	57	40.5
12	ePZ	11	07	40.5
	eSN			08 43.5
13	ePZ	07	39	49.5
	eSN			40 21.5
13	ePZ	10	31	26.0
13	iPZ	15	16	09.36
	eSN			20.0
13	ePZ	16	11	30.5

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Date	Phase	h m s
13	ePZ	16 48 26.6
	eSN	48.0
13	ePZ	19 11 37.5
	eSE	48.5
13	ePZ	22 12 21.0
14	ePZ	09 51 35.5
14	ePZ	11 58 21.5
	eSE	40.0
14	ePZ	13 39 02.5
14	ePZ	16 29 09.5
14	ePZ	22 42 14.5
15	ePZ	01 16 04.0
15	eXZ	01 41 00.0
15	ePZ	01 48 32.0
15	ePZ	10 50 42.5
15	ePZ	15 29 37.0
15	ePZ	17 25 50.0
15	ePZ	21 01 31.0
15	ePZ	21 06 24.5
	eSN	07 07.5
15	·PZ	23 01 04.0
16	iPZ	12 55 40.5e
	e(S)N	56 13.0
16	ePZ	13 20 45.0
	eSN	21 14.0
16	ePZ	17 12 52.0
	eSN	13 47.1
	ePZ	21 26 00.0
	eXZ	58.0
16	ePZ	22 52 14±
16	ePZ	23 08 51.0
	eSN	09 18.5
17	ePZ	09 50 07.5
17	ePZ	10 12 31.5
17	ePZ	14 34 55.0
17	ePZ	15 38 00.0±
	eSE	05.5
17	ePZ	16 00 54.5
	eSE	01 17.5
17	ePZ	16 47 53±

Date	Phase	h m s
17	ePZ	19 57 [illegible]
	eSN	22 02 48.0
17	ePZ	04 04.0
	eSN	22 50 41.0
17	ePZ	51 01.5
	eSN	04 06 34±
18	ePgZ	39.0
	eSgE	06 37 42
18	ePZ	12 22 04.0
18	ePgZ	14.0
	eSgn	17 10 03±
18	ePZ	[illegible]
19	ePZ	10 09 04±
19	ePZ	10 02.5
	eSE	20 01 21±
19	ePZ	21 45 15.0
19	ePZ	03 47 28.0
20	ePZ	09 22 14±
20	ePZ	23 24.5
	eSN	09 44 25±
20	ePZ	13 54 38.0
20	ePZ	15 37 01.0
20	ePZ	15.5
	eSE	15 52 59.5
20	ePZ	16 52 57.5
20	ePZ	18 56 25.0
20	ePZ	20 00 57.5
20	eSE	20 01 31.6
20	ePZ	21 26 25.7
21	ePZ	00 14 11.5
	eSE	22.5
21	e(P)Z	00 23 05.5
21	ePZ	00 30 39.0
	iSE	52.1
21	ePZ	04 32 37±
21	ePZ	04 38 11±
21	ePZ	11 45 32±
21	ePZ	11 52 17.0
21	ePgZ	12 09 08±
	iSgN	11.5

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Date	Phase	h	m	s
21	ePZ	17	40	16.5
	iSN			26.5
22	eSN	01	59	52.5
22	ePgZ	13	18	55.5
	eSgN			59.0
22	ePZ	16	19	26.8
22	ePZ	19	04	39.5
22	ePZ	20	18	36.0
22	ePZ	20	41	58.5
22	ePZ	21	45	11.2
	eSN			38.4
22	ePZ	22	32	47±
23	ePZ	04	12	04.5
23	ePZ	13	29	39±
	eSN		30	13.0
23	ePZ	15	48	57.6
	eSE		50	18.0
23	ePZ	17	30	12.0
	eSE			43.5
23	ePZ	23	43	23±
24	ePZ	00	09	00.0
	eSNE			20.0
24	ePZ	01	15	02.8
	eSN			46.5
24	ePZ	01	47	56.5
	eSN		48	28.5
24	ePZ	08	20	14.0
	eSN			27.2
24	ePZ	08	25	06.0
	eSE			20.5
25	ePZ	00	50	09±
26	ePZ	01	38	34±
26	ePZ	08	05	09.0
	eSN			25.0
26	ePZ	10	10	19±
26	e(P)Z	11	24	45±
27	ePZ	15	58	55.5
28	ePZ	00	01	21.5
28	ePZ	02	58	04.5
28	ePZ	13	47	03.0

Date	Phase	h	m	s
28	ePZ	14	01	49.5
28	ePZ	17	59	18.0
	eSE			41.5
28	ePZ	18	01	24.5
	eSN			35.0
28	ePZ	20	14	22±
28	ePZ	22	15	01.0
29	ePZ	16	58	08.8
	eSE			32.0
29	ePZ	17	07	07.5
30	ePgZ	04	31	20.5
	eSgE			27.0
30	ePZ	08	24	58.5
30	ePZ	11	38	36.5
	e(S)E		39	26.0
30	ePZ	12	03	20.5
30	iPZ	21	42	34.8d
	iSE			47.6
	WARSAK			
1	ePZ	06	52	03.3
1	ePZ	16	50	38.1
	eSZ			57.3
2	ePZ	03	16	39.0
2	ePZ	06	24	33.3*
	eSZ			59.6
3	ePZ	12	01	55.0
3	ePZ	19	14	06.1
	eSZ			33.4
4	ePZ	04	48	11.8
4	ePZ	16	02	32.6
5	iPZ	03	32	13.5
	iSZ			47.6
5	ePZ	23	47	54.1
	eSZ			48.11.2
6	ePZ	03	08	17.5
7	ePZ	12	20	19.8
	eSZ			54.0
10	ePZ	01	19	38.5
	eSZ			20 16.0
10	ePZ	04	24	42.6

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Date	Phase	h m s
11	ePZ	14 44 08.5
11	ePZ	15 07 53.5
12	ePZ	02 09 48
12	ePZ	10 33 02.7
12	ePZ	11 08 00.7
12	ePZ	12 06 42.1
	eSZ	07 38.8
12	ePZ	17 06 40.3
13	ePZ	08 56 29
13	ePZ	14 17 07.0
13	ePZ	14 26 36.8
	eSZ	27 02.5
14	ePZ	01 14 40
	eSZ	15 22.9
14	ePZ	04 48 33.3
14	ePZ	08 56 55.1
14	ePZ	13 32 56.8
	eSZ	33 35.7
14	ePZ	16 53 27
15	ePZ	13 03 44.5
15	ePZ	13 10 07.3
15	ePZ	15 13 35
	eXZ	24 54.9
16	ePZ	08 48 33.6±
16	ePZ	11 44 32.3±
16	ePZ	20 05 29.4
17	iPZ	22 01 47.7
	iSZ	02 18.0
18	ePZ	09 35 04.0±
	eSZ	35 31.7
18	ePZ	12 32 37.5
	eSZ	33 07.8
20	ePZ	09 21 06.1
	eSZ	30.4
20	ePZ	15 34 09.2
21	ePZ	05 37 49.5
21	ePZ	07 37 36.5
	eSZ	38 02.5
21	ePZ	09 50 35.5
21	ePZ	17 31 30.3
21	ePZ	20 44 03.6
22	ePZ	09 50 33.1
	eSZ	51 05.8
22	ePZ	19 02 33.5
	eSZ	58.1
23	ePZ	03 27 34
	eSZ	28 14
24	ePZ	14 23 57.8
25	ePZ	00 48 39.9
	eSZ	49 19.5
29	ePZ	05 27 48.7
	eSZ	28 25.9
30	ePZ	05 34 05.8
30	ePZ	11 08 50.6
30	ePZ	23 04 59.8
	LAHORE	
4	ePZ	18 12 07.0
5	eXZ	01 54 06.0
10	eXZN	18 40 36.5
13	ePZ	03 25 52.4
14	eXZ	23 54 07.8
19	eXZ	05 32 58.7
19	eXZ*	14 31 58.0
27	eXZ	01 44 31.5
	eXE*	50 22.0
27	eXZ*	07 03 25.0
29	eXZ	04 28 52.3
	KARACHI	
4	ePZ	21 41 41.0
10	ePZE	22 49 53.0
	eSZ	50 20.0
13	eXE	03 31 05.7
16	ePE	17 40 22.3±
	eSE	41 03.5
29	ePZ	04 21 33.5
	epPZ	44.0
	CHITTAGONG	
1	eXZ	04 36 10
1	eXZ	12 20 03

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Date	Phase	h m s
1	eXZ	15 35 16
1	eXZ	20 28 22
2	eXZ	03 14 35
2	eXZ	05 03 47
2	ePZ	11 53 42±
3	ePZ	00 49 54.5
3	ePZ	22 46 18±
4	ePZ	08 52 19.0
4	eXZ	18 28 48
5	ePZ	02 48 43.1
5	eXZ	17 55 23
5	eXZ	19 10 02
5	eXZ	21 39 24
6	eXZ	12 26 55
6	eXZ	12 41 55
6	eXZ	14 00 57
6	eXZ	14 57 47
6	eXZ	19 07 12
6	eXZ	02 55 33.0
7	ePZ	03 03 07
7	ePZ	03 25 17.1
7	ePZ	03 30 16.3±
7	ePZ	05 26 53.6
7	ePZ	05 51 51
7	eXZ	09 57 11
7	eXZ	10 05 11
7	e(P)Z	06 16
7	eXZ	10 25 58
7	ePZ	19 41 05
8	eXE	10 35 07
8	eXZ	14 30 46
8	eXE	22 01 46
9	eXZ	13 19 00
10	ePZ	13 19 09.5
10	ePZ	19 18 23.8±
10	eXZ	21 56 57
11	eXZ	01 22 05
11	eXZ	06 19 15
11	eXZ	08 41 14
11	eXZ	16 10 44
11		

Date	Phase	h m s
12	ePZ	06 13
12	eXZ	09 47 44
12	eXZ	11 26 45
12	ePZ	14 48 13.4
13	ePZ	00 59 53
13	ePZ	03 21 24.8
	eSN	22 28
	iXN	35
13	eXZ	08 43 05
13	ePZ	08 53 07.5
13	eXZ	12 38 37
13	ePZ	01 00 34.0
14	eXZ	16 30 10
14	eXZ	04 02 05
18	ePZ	04 29 39.0±
18	eXZ	06 07 06
18	eXZ	09 21 57
18	eXZ	23 19 38
19	eXZ	23 55 32
19	eXZ	03 33 10
20	eXZ	03 47 57
20	eXZ	13 50 56
20	eXZ	15 22 45
20	ePZ	16 31 03.8
20	eSN	41 25
20	eXZ	22 36 32
20	eXZ	23 08 25
21	eXZ	02 09 31
21	eXZ	06 00 45
21	eXZ	22 44 38
22	ePZ	06 18 44.6
22	eXZ	07 53 32
22	eXZ	08 21 43
22	eXZ	10 00 54
22	ePZ	14 59 25.0±
23	ePZ	10 43 45.0
25	eXZ	21 46 54
26	eXE	13 39 39
26	eXZ	14 06 58
26	eXE	14 16 09

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Date	Phase	h	m	s
26	eXE	15	08	27
26	eXE	15	14	41
27	eXE	23	16	12
28	eXE	00	15	28
28	ePZ	06	36	34.8
29	eXE	04	01	57
29	ePZ	07	32	49.0±
29	ePZ	17	10	09.5
30	eXE	15	01	10

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Date	Station	Phase	h	m	s
1	Wr	ePZ	01	15	48.4
	Qt	ePZ		16	59.2
		USCGS H 01 10 54*			
		14.1 N 93.9 E			
		Andaman Islands			
		depth about 33 km			
1	Qt	ePZ	03	53	21.6
		USCGS H 03 40 36.2			
		59.7 N 144.1 W			
		Alaska aftershock			
		depth about 20 km			
		Mag : 4.4 (CGS)			
1	Wr	ePZ	06	14	07.3
	Qt	ePZ			34.0
		eSN*		25	03.1
		Mu Sec			
		MH 2.2 20			
		△= 86°.1			
		Mag : 5.8 (Qt)			
1	Qt	ePZ	07	53	52.2
		iXZ		57	25.5
	Wr	ePZ		54	06.3
1	Qt	ePZ	11	33	42.8
		USCGS H 11 23 09.1			
		44.1 N 148.6 E			
		Kurile Islands			
		depth about 35 km			
		Mag : 4.1 (CGS)			
1	Qt	ePZ	21	34	37.1
		USCGS H 21 24 23*			
		6.4 S 127.3 E			
		Banda Sea			
		depth about 472 km			
2	Ch	ePZ	05	21	49±
	Qt	ePZ		24	22.7
		USCGS H 05 15 51.1			
		4.0 S 102.8 E			
		Southern Sumatra			
		depth about 106 km			
		Mag : 5.4 (CGS)			

Date	Station	Phase	h	m	s
2	Qt	ePZ	08	39	21.0
		USCGS H 08 28 47*			
		45.6 N 149.8 E			
		Kurile Islands			
		depth about 80 km			
		Mag : 4.4 (CGS)			
2	Wr	ePZ	10	58	05.6
	Kr	ePZ			10.4
	Qt	ePZ			27.5
2	Qt	ePZ	11	31	34.9
		iPZ			35.6e
	Wr	ePZ		32	04.1
2	Ch	ePNE	16	20	18
		eSNE		27	45
	Lh	ePZ		20	58.3e
		eSN*E*		28	53.0
	Wr	ePZ		21	01.5
		eSZ		29	13.7
	Qt	iPZ		21	38.4e
		epPZ			50.5
		eSN*		30	10.0
		ePKPPKP		50	24.0
		Mu Sec			
		PZ 0.3 1.0			
		PH 0.2 1.0			
		MH 63 3 20			
		△ = 64°.5			
		USCGS H 16 11 00.2			
		45.5 N 150.3 E			
		Kurile Islands			
		depth about 35 km			
		Mag : 5.7 (CGS),			
		6.5 (Qt)			
2	Wr	ePZ	18	52	02.1
	Qt	ePZ			54.1
		eSE		54	06.0
		H 18 51 21			
2	Qt	ePZ	21	11	21.0
		USCGS H 21 01 44.8			
		8.6 S 110.4 E			
		Near south coast of Java			
		depth about 102 km			

Date	Station	Phase	h m s
			Major Shocks
2	Qt	ePZ	22 55 45.5
		USCGS H 22 46 24*	
		1.9 N 123.0 E	
		Celebes Sea	
		depth about 487 km	
		Mag : 5.2 (CGS)	
2	Wr	ePZ	23 40 04.1
	Qt]	ePZ	34.5
		USCGS H 23 34 28*	
		26.3 N 100.7 E	
		Yunnan Province, China	
		depth about 33 km	
		Mag : 5.0 (CGS)	
3	Qt	ePZ	02 04 37.6d]
		USCGS H 01 54 33.5	
		40.3 N 141.9 E	
		Near east coast of Honshu	
		Japan	
		depth about 59 km	
		Mag : 4.8 (CGS)	
3	Qt	ePZ	15 41 14.6
		USCGS H 15 28 50.0	
		52.2 N 172.1 W	
		Andreanof Islands, Aleutian Islands	
		depth about 30 km	
		Mag : 4.4 (CGS)	
4	Qt	ePZ	12 17 25.7
	Ch	ePZ	43±
4	Qt	ePKPZ	17 23 46.0
		USCGS H 17 05 20	
		55.8 S 4.4 W	
		Bouvet Islands region	
		depth about 33 km	
		Mag : 5.4 (CGS)	
5	Qt	ePKPZ	03 46 27.7
	Wr	ePKPZ	39.0
		USCGS H 03 26 46.1	
		17.7 S 68.9 W	
		western Bolivia	
		depth about 33 km	
		Mag : 4.9 (CGS)	
5	Wr	ePZ	05 28
		iSZ	29 39.6
	Qt	ePZ	22.5
		eSE	31 40.0
		H 05 26 24	
5	Ch	ePZ	08 11 00.4
	Lh	ePZ	46.0c
		eSN*	19 49.0
	Wr	ePZ	48.2
	Qt	iPZ	12 25.5c
		eSE	21 05.5
		MH 3.2 20	
		△ = 65°.3	
		USCGS H 08 01 48.4	
		45.5 N 150.1 E	
		Kurile Islands	
		depth about 40 km	
		Mag : 4.9 (CGS)	
5	Qt	ePZ	09 44 26.5
		USCGS H 09 32 12*	
		52.0 N 172.8 W	
		Andreanof Islands,	
		Aleutian Islands	
		Mag : 4.3 (CGS)	
5	Kr	ePE	09 53 39.0
	Qt	ePZ	54 12.0d
		eSN	59.0
		H 09 53 10	
5	Wr	ePZ	14 41 45
	Qt	ePZ	42 51.0
		USCGS H 14 38 06*	
		43.2 N 87.8 E	
		Sinkiang Province, China	
		depth about 33 km	
		Mag : 4.6 (CGS)	
6	Qt	ePZ	00 12 48.0
		USCGS H 00 02 06.8	
		8.4 S 121.7 E	
		Flores Sea	

Date	Station	Phase	h m s
		depth about 33 km	
		Mag : 5 .3 (CGS)	
6	Ch	ePZ	08 22 38 .0
	Qt	ePZ	24 32 .2
		eSKSE*	35 10 .0
		Mu Sec	
		MH 1 .5 20	
		△ = 99° .0	
		USCGS H 08 10 47 .5	
		11 .1 S 62 .2 E	
		Solomon Islands	
		depth about 40 km	
		Mag : 5 .1 (CGS)	
6	Wr	iPZ	11 38 51 .4[1]
		eSZ	39 25 .5
	Qt	ePZ	48 .6
		eSNE	41 10 .5
		H 11 38 04	
		Hindukush region	
6	Qt	ePZ	15 39 23 .5
		eSN*	49 53 .0
	Wr	ePZ	39 56
		Mu Sec	
		MH 8 .0 20	
		△ = 85° .9	
		Mag : 6 .2 (Qt)	
6	Qt	ePZ	17 21 08 .5
		USCGS H 17 10 53 .7	
		38 .0 N 142 .4 E	
		Off east coast of Honshu,	
		Japan	
		depth about 33 km	
		Mag : 4 .7 (CGS)	
6	Ch	ePZ	24 54 32 .3
	Lh	ePZ	55 18 .6
	Qt[1]	ePZ	57 .0
		USCGS H 20 45 14 .0	
		45 .5 N 151 .6 E	
		Kurile Islands	
		depth about 40 km	
		Mag : 4 .9 (CGS)	
6	Wr	ePZ	23 39 14 .9
		eSZ	49 .9
	Qt	ePZ	40 19 .5
		eSE	41 46 .0
		H 23 38 27	
		Hindukush region	
7	Qt	ePKPZ	00 53 15 .5
		USCGS H 00 34 57 .2	
		18 .2 S 176 .0 W	
		Fiji Islands region	
		depth about 300 km	
		Mag : 5 .4 (CGS)	
7	Qt	ePZ	04 02 45 .1
		USCGS H 03 49 53 .8	
		4 .6 S 153 .5 E	
		New Ireland region	
		depth about 53 km	
		Mag : 4 .6 (CGS)	
7	Qt	ePZ	04 14 43 .2[e]
		USCGS H 04 02 28 .7	
		51 .6 N 177 .3 W	
		Andreanof Islands,	
		Aleutian Islands	
		depth about 25 km	
		Mag : 5 .0 (CGS)	
7	Qt	ePZ	05 53 50 .0
		e(S)N*	06 00 11 .0
	Wr	iPZ	05 54 32 .5[e]
	Lh	ePZ	34 .0[d]
		iSN*E*	06 01 55 .0
	Ch	ePZ	05 55 44 .5[d]
		USCGS H 05 45 29 .5	
		4 .0 S 34 .9 E	
		Tanganyika	
		depth about 33 km	
		Mag : 6½-6½ (Pal),	
		6 .4 (CGS)	
7	Ch	ePZ	08 06 15
		ePPZ	25
		ePPNE	07 58

Date	Station	Phase	h m s
			12 38
	I	eSE	07 21.0
	Lh	ePZ	14 45.0
		eSN*E*	07 29.5d
	Wr	iPZ	08 06.0
	Qt	ePZ	16 08.5
		eSN	

Mu Sec
MH 41.4 20
△ =59°.0
USCGS H 07 58 14.3
40.4 N 139.0 E
Off coast of northern
Honshu, Japan
depth about 33 km
Mag : 7 (Pas, Brk),
6½-6¾ (Pal),
6.2 (CGS)

7	Ch	ePZ	11 18 14	
		epPZ	19 44	
		eSNE	25 53	
	Lh	ePZ	19 41.4	
		eSNE*	26 37.3	
	Wr	iPZ	19 58.6c	
		eSZ	26 59.4	
	Qt	ePZ	20 26.5	
		eSN	28 04.5	

Mu Sec
PZ .06 1.0
△ = 55°.0
USCGS H 11 11 04.9
30.6 N 137.7 E
Off south coast of Honshu,
Japan
depth about 469 km
Mag : 5.1 (CGS)

7	Qt	ePZ	12 17 56.0

USCGS H 12 08 03.6
40.5 N 138.9 E
Off coast of northern
Honshu, Japan
depth about 33 km
Mag : 4.9 (CGS)

Date	Station	Phase	h m s
7	Qt	ePZ	17 42 15.7
7	Wr	iPZ	41.4
		iSZ	58.6
	Lh	ePZ	43 57.0
		iSNE	15.0
	Qt	ePZ	44 27.0
		eSN	

H 17 41 38
36.3 N 71.0 E
Hindukush region
depth about 100 km
USCGS H 17 41 39.8
36.0 N 70.7 E
Hindukush
depth about 108 km
Mag : 4.7 (CGS)

7	Ch	ePNE	20 20 52.8
		eSNE	27 22
	Lh	ePZ	21 56.5
		eSN*E*	29 23.3
	Wr	ePZ	22 04
	Qt	ePZ	22 42.0c
		eSN	30 48.0

USCGS H 20 12 49.3
40.5 N 139.0 E
Off west coast of Honshu,
Japan
depth about 33 km
Mag : 5.9 (CGS)

7	Qt	iPZ	23 31 20.5c

USCGS H 23 12 21.3
32.9 S 178.3 W
Kermadec Islands
depth about 33 km
Mag : 4.4 (CGS)

7	Qt	ePZ	23 51 26.0
8	Lh	ePZ	16 34 14.0
		eSN*	44 33.0
	Qt	ePZ	34 33.5c
		ePPZ	37 49.0

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Date	Station	Phase	h	m	s
		eSN*		45	12.0
		Mu Sec			
		MH 6.5 20			
		△ = 87°.8			
		Mag : 6.0 (Qt)			
8	Qt	ePZ	18	52	58.0
8	Qt	ePZ	20	56	10.2
		eXZ		59	17.5
		USCGS H 20 36 54.1			
		24.2 S 69.3 W			
		Northern Chile			
		depth about 78 km			
		Mag : 4.9 (CGS)			
8	Wr	ePZ	21	46	53.7
	Lh	ePZ		47	07.5
	Qt	ePZ			19.0
		e(S)E		57	45.0
8		ePZ	21	56	11.5
		USCGS H 21 45 47*			
		1.7 N 126.5 E			
		Molucca Passage			
		depth about 33 km			
8	Qt	ePZ	22	09	04.6d
	Lh	ePZ			12.5
		USCGS H 21 59 21.9			
		71.1 N 6.2 W			
		Jan Mayen Islands region			
		depth about 25 km			
		Mag : 4.9 (CGS)			
8	Ch	ePZ	23	52	46.6
		eSN	00	02	40
	Qt	ePZ	23	53	16.3
		USCGS H 23 40 44.1			
		52.2 N 169.5 W			
		Andreanof Islands,			
		Aleutian Islands			
		depth about 20 km			
		Mag : 5.2 (CGS)			
9	Qt	ePZ	00	03	28.6
		USCGS H 23 53 21.1			
		40.4 N 142.2 E			
		Off coast of northern			
		Honshu, Japan			
		depth about 47 km			
		Mag : 4.5 (CGS)			
9	Qt	ePZ	00	32	41.5
		USCGS H 00 22 49.0			
		40.4 N 138.8 E			
		Sea of Japan			
		depth about 33 km			
		Mag : 4.6 (CGS)			
9	Wr	ePZ	00	46	37.6
		eSZ		47	13.5
	Qt	ePZ			44.5
		eSE		49	15.5
		H 00 45 50			
		Hindukush region			
9	Lh	ePZ	02	14	37.0
	Qt	ePZ		15	01.0
		eSE		25	27.0
		SUCGS H 02 02 28.8			
		52.2 N 169.6 W			
		Andreanof Islands,			
		Aleutian Islands			
		depth about 25 km			
		Mag : 5.1 (CGS)			
9	Qt	ePZ	06	04	38.0
		eSE		06	38.6
		H 06 02 03			
9	Qt	ePZ	07	50	04.0
		eXN.*		54	00.0
		USCGS H 07 47 02.4			
		29.6 N 52.5 E			
		Southern Iran			
		depth about 34 km			
9	Qt	ePZ	10	44	23.8
9	Lh	ePZ	13	57	08.5
	Wr	ePZ			31.8
	Qt	ePZ			46.0
		USCGS H 13 48 05.3			

Date	Station	Phase	h m s
		8.1 N 123.2 E	
		Mindanao, Philippine Islands	
		depth about 60 km	
		Mag : 5.7 (CGS)	
9	Qt	ePZ	15 05 04.3c
9	Qt	ePKPZ	18 34 40.8
		USCGS H 18 16 17.5	
		13.7 S 166.6 E	
		New Hebrides Islands	
		depth about 41 km	
		Mag : 5.0 (CGS)	
9	Qt	ePZ	20 04 47.5
		USCGS H 19 52 14.4	
		50.7 N 170.3 W	
		Andreanof Islands	
		Aleutian Islands	
		depth about 33 km	
		Mag : 4.5 (CGS)	
9	Qt	ePZ	21 20 49.5
		USCGS H 21 07 41.6	
		9.2 S 156.7 E	
		Solomon Islands region	
		depth about 26 km	
		Mag : 5.4 (CGS)	
10	Qt	ePZ	05 50 08.8
		USCGS H 05 39 42.6	
		29.0 N 141.5 E	
		Bonin Islands region	
		depth about 62 km	
		Mag : 4½-5 (Brk),	
		5.3 (CGS)	
10	Qt	ePZ	05 58 39.5
10	Qt	ePZ	06 40 34.0c
		USCGS H 06 27 45.6	
		4.6 S 153.2 E	
		New Ireland region	
		depth about 77 km	
		Mag : 4.6 (CGS)	
10	Qt	ePZ	08 01 10.5
		USCGS H 07 50 44*	
		1.6N 126.3 E	
		Molucca Passage	
		depth about 33 km	
		Mag : 5.6 (CGS)	
10	Qt	ePZ	10 55 44.5
		USCGS H 10 45 52.3	
		40.5 N 139.0 E	
		Off coast of northern Honshu,	
		Japan	
		depth about 33 km	
		Mag : 4.8 (CGS)	
10	Qt	ePZ	11 51 41.4
		USCGS H 11 39 13*	
		52.3 N 169.5 W	
		Andreanof Islands,	
		Aleutian Islands	
		depth about 40 km	
		Mag :4.3 (CGS)	
11	Qt	ePZ	06 09 45.0
		eSN*	11 19.0
	Wr	ePZ	10 50.3
		USCGS H 06 07 41.5	
		28.3 N 57.4 E	
		Southern Iran	
		depth about 62 km	
		Mag : 4.9 (CGS)	
11	Qt	ePZ	10 13 55.0
		USCGS H 10 03 09.7	
		45.5 N 151.9 E	
		Kurile Islands	
		depth about 33 km	
		Mag : 4.7 (CGS)	
11	Qt	ePKPZ	14 57 58.2
		USCGS H 14 39 04*	
		22.5 S 175.8 W	
		Tonga Islands region	
		depth about 50 km	
		Mag : 5.3 (CGS)	
11	Lh	ePZ	15 06 58.8
	Wr	ePZ	07 20.0

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Date	Station	Phase	h	m	s
	Qt	ePZ			38.0
		USCGS H 14 57 16.6			
		4.3 N 127.9 E			
		Talaud Islands			
		depth about 60 km			
		Mag : 5.7 (CGS)			
11	Lh	ePZ	17	02	02.8
	Qt	ePZ			43.2d
		USCGS H 16 53 39.1			
		6.4 N 124.0 E			
		Celebes Sea			
		depth about 567 km			
		Mag : 5.2 (CGS)			
12	Wr	ePZ	18	29	04.2
	Lh	ePZ			13.0
		eSN*		39	36.0
	Qt	ePZ		29	14±
		eXN		39	40.1
13	Qt	ePZ	03	53	26.4
13	Qt	ePKPZ	05	44	24.5
		USCGS H 05 25 26.1			
		32.8 S 178.3 W			
		Kermadec Islands region			
		depth about 33 km			
		Mag : 5.3 (CGS)			
13	Qt	ePZ	17	01	46.2
13	Qt	ePZ	17	09	29.0
13	Lh	ePZ	20	56	56.0
	Qt	ePZ			48.0
13	Qt	ePZ	23	44	18.3c
		USCGS H 23 34 26.1			
		40.5 N 138.6 E			
		Sea of Japan			
		depth about 33 km			
		Mag : 4.8 (CGS)			
14	Qt	ePKPZ	01	24	17.0
		USCGS H 01 05 47.6			
		32.9 S 178.8 W			
		Kermadec Islands region			
		depth about 309 km			

Date	Station	Phase	h	m	s
		Mag : 4.6 (CGS)			
14	Qt	ePZ	13	33	50.7
15	Qt	ePZ	00	57	03.0
		eSE			41.0
	Wr	ePZ			58 21.4
15	Qt	ePZ	05	14	06 ±
15	Qt	ePZ	09	21	06.5
15	Ch	ePZ	11	00	38.0
	Qt	ePZ			02 51.0
		eSN			13 23.0
	Wr	ePZ			03 35.7
		USCGS H 10 50 21			
		3.5 S 149.1 E			
		Bismarck Sea			
		depth about 44 km			
		Mag : 4.7 (CGS)			
15	Qt	ePZ	18	35	17.5
15	Qt	ePZ	22	34	15.5
		e(S)N		35	42.0
	Wr	ePZ			31.6
16	Wr	ePZ	06	04	49±
	Lh	ePZ		05	14.6
	Qt	ePZ			48.0
	Ch	ePZ		07	05.7
		USCGS H 06 00 58.1			
		49.9 N 78.3 E			
		Kazakh, S.S.R.			
		depth about 0 km			
		Mag : 5.6 (CGS)			
16	Qt	ePZ	08	03	50.0
16	Wr	iPZ	08	39	35.5
	Lh	ePZ		40	15.4
		iSNE		41	15.4
	Qt	ePZ		40	40.0
		eSE		41	52.0
	Kr	ePZ			42.0d
		eXZ		42	21.3
		eSE		43	47.3
		H 08 38 59			
		36.5 N 70.9 E			

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Date	Station	Phase	h	m	s
		Hindukush			
		depth about 100 km			
		USCGS H 08 38 54.0			
		36.3 N 71.5 E			
		Hindukush			
		depth about 122 km			
		Mag : 5.3 (CGS)			
16	Qt	ePZ	10	04	17.5
		USCGS H 09 51 41.0			
		54.0 N 164.1 W			
		Unimak Islands,			
		Aleutian Islands			
		depth about 33 km			
		Mag : 4.7 (CGS)			
16	Wr	ePZ	12	22	16.8
		eSZ			47.2
	Qt	ePZ		23	25.0d
		eSE		24	49.0
		H 12 21 37			
		Hindukush region			
16	Qt	ePZ	14	57	38.5
		USCGS H 14 44 54*			
		57.6 N 151.0 W			
		Alaska aftershock			
		depth about 33 km			
		Mag : 5.4 (CGS)			
16	Qt	ePKPZ	16	26	45.0
		USCGS H 16 07 46.2			
		32.8 S 178.3 W			
		Kermadec Islands region			
		depth about 33 km			
		Mag : 6.0 (Pas),			
		5.4 (CGS)			
16	Qt	ePZ	17	06	41.0
16	Qt	ePZ	17	35	08.5
		USCGS H 17 26 28.0			
		42.1 N 132.7 E			
		Sea of Japan			
		depth about 427 km			
		Mag : 4.2 (CGS)			

Date	Station	Phase	h	m	s
17	Qt	ePZ	00	10	38.0
17	Lh	ePZ	01	02	47.0
		eSN*		13	12.0
	Ch	ePZ		03	03±
	Qt	ePZ			05.5
		eSN*		13	37.0
		USCGS H 00 50 17.9			
		59.4 N 142.7 W			
		Alaska aftershock			
		depth about 35 km			
		Mag : 5¼ (Pas),			
		6-6¼ (Brk),			
		6¼-6½(Pal),			
		5.1 (CGS)			
17	Ch	ePZ	04	54	06.5
	Lh	ePZ			10.5
	Qt	ePZ			31±
		eSN*	05	05	14±
		USCGS H 04 41 44*			
		53.9 N 159.7 W			
		South of Alaska			
		depth about 33 km			
		Mag : 5.5 (CGS)			
17	Wr	iPZ	11	46	19.7
		iSZ			57.0
	Lh	ePZ		47	01.0
		iSNE		48	04.0
	Qt	ePZ		47	14±
		eSN		48	31±
		H 11 45 33			
		Hindukush region			
17	Wr	ePZ	17	11	11.8
		eSZ			44.8
	Qt	ePZ			13±
		eSE			50±
	Lh	ePZ			41.9
		eSNE		12	37.0
		H 17 10 27			
		32·7 N 68·4 E			
		Eastern Afghanistan			
17	Qt	ePKPZ	17	24	24·2
		USCGS H 17 05 24·8			

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Date	Station	Phase	h	m	s
		33·2 S 178·4 W			
		Kermadec Islands region			
		depth about 33 km			
		Mag : 4·6 (CGS)			
17	Qt	ePZ	18	14	08±
17	Qt	ePZ	19	38	40
		esSE*		49	06±
	Lh	ePZ		39	06·0
		eSN*E*		49	38·0
		USCGS H 19 26 20·6			
		35·2 N 35·9 W			
		North Atlantic Ocean			
		depth about 33 km			
		Mag : 6½ (Pas),			
		5¾-6 (Brk),			
		6-6¼ (Pal),			
		5·6 (CGS)			
17	Qt	ePZ	20	31	02·3
17	Qt	ePZ	22	28	26·5
18	Wr	iPZ	11	02	15·8
		iSZ			47·6
	Lh	ePZ			56·0
		eSN		03	58·0
	Qt	ePZ			15·0d
		eSN*		04	38·0
		H 11 01 34			
		36·1 N 70·9 E			
		Hindukush			
		depth about 220 km			
18	Qt	ePKPZ	14	31	09·5
		ePKSE*		34	44·0
		USCGS H 14 12 10·1			
		21·2 S 174·5 W			
		Tonga Islands region			
		depth about 33 km			
		Mag : 4½(Brk),			
		5·6 (CGS)			
18	Qt	ePZ	22	18	53·0
18	Qt	ePZ	22	25	33·5
19	Qt	ePZ	00	33	23·5
19	Wr	ePZ	00	41	46·8
		eSZ			42 39·8
	Qt	ePZ			59·0

Date	Station	Phase	h	m	s
		eSE			44 01·0
		H 00 40 36			
19	Qt	ePZ		06	18 13·0
		USCGS H 06 09 04·1			
		77·7 N 18·3 E			
		Svalbard region			
		depth about 33 km			
		Mag : 4·9 (CGS)			
19	Qt	ePZ		07	36 50·8
		USCGS H 07 27 47·0			
		5·8 S 105·5 E			
		Near north coast of Java			
		depth about 37 km			
19	Lh	ePZ		10	49 25·0c
		eSN			57 32·0
	Wr	ePZ			49 26·5
	Qt	iPZ			50 03·3c
		eSN *			58 42·0
		USCGS H 10 39 24·8			
		45·5 N 150·3 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 5·4 (CGS)			
19	Qt	ePZ		11	40 49·2
19	Qt	ePZ		14	55 19±
		USCGS H 14 42 40·7			
		60·2 N 146·3 W			
		Alaska Aftershock			
		depth about 33 km			
		Mag : 4·9 (CGS)			
19	Lh	ePZ		15	50 05·3
	Qt	ePZ			20·5
		USCGS H 15 37 35·9			
		57·0 N 152·8 W			
		Alaska aftershock			
		depth about 25 km			
		Mag : 4·9 (CGS)			
19	Wr	ePZ		18	17 29·1
		eSZ			58·6
	Lh	ePZ			18 12·5

Date	Station	Phase	h	m	s
		eSNE		19	12·5
	Qt	ePZ		18	30·0
		eSE		19	47·0
		Mu Sec			
		PZ 0·02 0·5			
		△= 6°·8			
		H 18 16 50			
		36·3 N 70·6 E			
		Hindukush			
		depth about 160 km			
		Mag : 4·6 (Qt)			
19	Qt	ePKPZ	23	23	02·5d
		ePP*		25	38·1
		ePKSN*		26	38·0
		eSSN*		43	48·2
	Lh	ePKPZ		23	07·2
		ePKSN*		26	43·0
		USCGS H 23 03 41·8			
		0·7 S 80·2 W			
		Near coast of Ecuador			
		depth about 54 km			
		Mag : 5½ (Pal),			
		5¼-5½ (Brk),			
		5·4 (CGS)			
19	Qt	ePZ	23	32	51·5
		USCGS H 23 22 04·0			
		48·3 N 154·4 E			
		Kurile Islands			
		depth about 50 km			
		Mag : 4·7 (CGS)			
20	Qt	ePKPZ	05	12	27·5
		USCGS H 04 53 30·3			
		31·4 S 178·2 W			
		Kermadec Islands region			
		depth about 33 km			
		Mag : 4·8 (CGS)			
20	Ch	iPZ	06	10	26
		isPZ			48
		eSN		17	49
	Lh	ePZ		12	24·0
		eSE*		22	50·0
	Wr	iPZ			[illegible]
		ipPZ		13	01·9
	Qt	ePZ		12	59·0c
		eSN*		22	41·4
		Near coast of New Guinea			
		Mu Sec.			
		MH 24·0 2·0			
		△=76°·6			
		USCGS H 06 01 14·8			
		2·7 S 139·3 E			
		Near north coast of New Guinea			
		depth about 61 km			
		Mag : 5·8 (CGS)			
21	Wr	ePZ	04	13	41±
	Qt	ePZ		14	50·5
21	Qt	ePZ	11	50	59·0
		USCGS H 11 41 03·1			
		43·1 N 141·8 E			
		Hokkaido, Japan region			
		depth about 91 km			
		Mag : 4·4 (CGS)			
21	Qt	ePZ	15	48	29±
		USCGS H 15 36 01·5			
		59·0 N 153·5 W			
		Alaska aftershock			
		depth about 15 km			
		Mag : 5¼-6 (Brk),			
		5·3 (CGS)			
21	Qt	ePZ	17	10	14·5
21	Lh	ePZ	23	20	46·2
	Qt	ePZ		21	25·0
		USCGS H 23 10 49·0			
		44·5 N 149·6 E			
		Kurile Islands			
		depth about 45 km			
		Mag : 4·7 (CGS)			
22	Wr	ePZ	01	18	59·7
	Qt	ePZ		19	16·5
		eSNE		20	47·0
22	Qt	ePZ	05	01	41·5
22	Qt	ePZ	10	13	39·0

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Date	Station	Phase	h	m	s
		USCGS H 10 03 42*			
		2·7 N 124·8 E			
		Celebes Sea			
		depth about 201 km			
		Mag : 4·9 (CGS)			
22	Wr	ePZ	16	09	01·8
	Qt	ePZ			05·0
	Qt	ePZ	00	16	09·5
23	Qt	ePZ			
		USCGS H 00 11 56*			
		15·0 N 56·0 E			
		Arabian Sea			
		depth about 33 km			
23	Qt	ePZ	00	21	23·0d
	Wr	ePZ		22	22±
	Ch	ePZ		23	53·4
		USCGS H 00 17 07·5			
		14·6 N 56·3 E			
		Arabian Sea			
		depth about 33 km			
23	Ch	iPZ	11	30	00 d
		epPZ			53
	Wr	iPZ		31	43·1
		USCGS H 11 22 33·3			
		28·6 N 139·4 E			
		Bonin Islands region			
		depth about 409 km			
		Mag : 5·1 (CGS)			
23	Qt	ePZ	23	03	40±
24	Lh	ePZ	00	02	31·3
		eSNE		03	46·0
	Ch	ePZ		03	36·0
		eSNE		05	42
		USCGS H 00 00 50·2			
		30·1 N 82·1 E			
		Nepal			
		depth about 33 km			
		Mag : 5·1 (CGS)			
24	Ch	ePZ	10	39	12·0
	Lh	ePZ		40	55·5
		epPZ		41	04·0

Date	Station	Phase	h	m	s
	Wr	ePZ			
	Qt	ePZ			39±
	Kr	ePZ		42	00·0
		USCGS H 10 31 24·1			
		34·3 N 141·1 E			
		Near east coast of Honshu.			
		Japan			
		depth about 33 km			
		Mag : 5·2 (CGS)			
24	Wr	iPZ	16	36	36·9
		iSZ		37	01·8
		ePZ			18·3
	Lh	iSNE		38	15·5
	Qt	ePZ		37	37±
		H 10 36 03			
		36·2 N 70·5 E			
		Hindukush			
		depth about 160 km			
		USCGS H 16 36 05·4			
		35·8 N 70·8 E			
		Hindukush			
		depth about 164 km			
		Mag : 5·0 (CGS)			
25	Qt	ePZ	15	29	48·5
		eSE		30	15·0
	Wr	ePZ			42·9
		H 15 29 12			
25	Ch	ePZ	19	50	26
		ePPN		51	30
		eSN		55	29
	Kr	ePZ		51	53·5
	Lh	ePZ		52	04·0d
		eSN*E*		58	26·5
	Qt	iPZ		52	17·5d
		eSE		58	55·0
	Wr	ePZ		52	29·4
		USCGS H 19 44 07·0			
		9·1 S 88·9 W			
		Indian Ocean			
		depth about 33 km			
		Mag : 5·5 (CGS)			

Date	Station	Phase	h	m	s
26	Qt	ePZ	06	43	54·5
26	Wr	ePZ	09	51	52·2
	Qt	ePZ		52	17·2
		USCGS H 09 40 57·9			
		16·5 N 145·9 E			
		Mariana Islands region			
		depth about 94 km			
		Mag : 5·5 (CGS)			
26	Kr	ePKPZ	11	17	38·4
	Qt	ePZ		14	09·0
		ePKPZ		17	44·1
		ePPZ*	19	05	3
		iSKSN*	24	33	5
		ePKPZ	28	17	0
	Lh	ePKPZ	17	55	3
		esPKPZ	18	27	0
		iPKSZ	21	25	0
		eSKSN	24	50	0
	Wr	ePKPZ	17	55	5
	Ch	ePKPZ	18	00d	
		epPKPZ		28	
		ePPZ	19	28	
		eSKSZ	24	49	
		eSSZ	35	48	
		USCGS H 10 59 12·3			
		56·2 S 27·8 W			
		Sandwich Islands			
		depth about 120 km			
		Mag : 7½-7¾ (Brk, Pas), 7-7¼ (Pal)			
26	Wr	ePZ	13	26	07·2
	Qt	ePZ		27	15·0c
		e(S)E		30	22·0
26	Qt	ePZ	17	35	44·7
27	Qt	ePKPZ	01	15	15·2
	Lh	ePKPZ			26·4
	Ch	ePKPZ			29·8
		USCGS H 00 56 42·5			
		56·1 S 27·6 W			
		Sandwich Islands			
		depth about 105 km			
		Mag : 5 (Pal), 5·6 (CGS)			
27	Qt	ePKPZ	06	49	30·2
	Ch	ePKPZ			46
		USCGS H 06 30 57·7			
		56·2 S 27·4 W			
		Sandwich Islands			
		depth about 116 km			
		Mag : 5·8 (CGS)			
27	Qt	ePZ	08	26	01·2
		USCGS H 08 14 42*			
		6·7 S 130·6 E			
		Banda Sea			
		depth about 33 km			
		Mag : 5·0 (CGS)			
28	Ch	ePZ	02	02	46d
		eSNE		07	25
	Lh	ePZ		04	51·0
	Qt	iPZ		05	42·5c
		eSE		12	48·5
		USCGS H 01 56 58·9			
		24·5 N 122·0 E			
		Near east coast of Taiwan			
		depth about 41 km			
		Mag : 5·9 (CGS)			
28	Qt	ePZ	05	07	32·0
28	Qt	ePZ	06	43	47·5
		USCGS H 06 32 54*			
		7·8 N 126·8 E			
		Mindanao, Philippine Islands			
		depth about 103 km			
		Mag : 4·7 (CGS)			
28	Lh	iPZ	09	48	33·5
		iSZ			36·8
	Wr	ePZ		49	31·2
	Qt	eSE		51	08·0
		Epicentre about 20 miles			
		West of Lahore			
		Felt Lahore and Sheikhupura			
28	Wr	ePZ	16	30	20·2

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Date	Station	Phase	h	m	s
	Ch	ePZ			44·2
	Qt	ePZ			47·5
		USCGS H	16	18	04·2
		58·3 N 150·6 W			
		Alaska aftershock			
		depth about 25 km			
		Mag : 5·4 (CGS)			
28	Qt	ePZ	18	10	50·0
28	Qt	ePZ	21	28	57·5
28	Lh	ePZ	23	38	12·5
		eSNE		46	02·5
	Qt	ePZ		38	50·5
		USCGS H	23	28	27·9
		1·6 N 127·2 E			
		Molucca Passage			
		depth about 103 km			
		Mag : 6·3 (CGS)			
29	Ch	ePZ	02	59	37·4
		USCGS H	02	47	38·0
		53·7 N 167·8 W			
		Fox Islands, Aleutian Islands			
		depth about 33 km			
		Mag : 4·7 (CGS)			
29	Ch	ePZ	05	17	11
	Wr	ePZ		18	01·4
	Qt	ePZ			37·5
		USCGS H	05	08	02·2
		44·7 N 149·4 E			
		Kurile Islands			
		depth about 50 km			
		Mag : 4·7 (CGS)			
29	Ch	ePZ	07	30	03·4
	Wr	ePZ		34	12·4
	Qt	ePZ			36·5
29	Qt	ePZ	10	25	08·5
29	Wr	ePZ	10	29	50·0
	Lh	ePZ			59·5
	Ch	ePZ		30	14·2
	Qt	ePZ			16·5
		eSN*		41	49·0
		USCGS H	10	17	34·5
		60·2 N 146·3 W			
		Alaska aftershock			
		depth about 5 km			
		Mag : 5½ (Pal).			
		5·6 (CGS)			
29	Qt	ePZ		15	39 38·5
29	Qt	ePKPZ		15	51 36·0
		USCGS H	15	33	06*
		56·3 S 28·0 W			
		Sandwich Islands			
		depth about 120 km			
		Mag : 5·7 (CGS)			
29	Ch	ePZ		20	17 30±
	Qt	iPZ		20	18·5e
		USCGS H	20	09	01*
		0·5 S 134·7 E			
		Halmahera region			
		depth about 33 km			
		Mag : 5·1 (CGS)			
29	Qt	ePZ		22	03 25·2
29	Qt	ePZ		22	58 04·0
29	Qt	ePZ		23	33 02·0
30	Qt	ePZ		03	30 59·2
		USCGS H	03	18	08·3
		59·5 N 148·5 W			
		Alaska aftershock			
		depth about km			
		Mag : 4½-4½ (Pal).			
		5·5 (CGS)			
30	Wr	ePZ	12	43	02·0
		eSZ			32·3
	Qt	ePZ		44	06±
		eSN		45	27·5
		H	12	42	23
		Hindukush			
30	Ch	iPZ	14	38	57 e
		esSNE		45	52
	Lh	ePZ		40	10·8
		eSN*		47	48·0
	Wr	iPZ		40	20·1
		ipPZ			31·2
		esSZ		48	17·1

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Date	Station	Phase	h m s
	Qt	iPZ	40 55·3c
		epPZ	41 06·5
		esPZ	10·0
		ePcPZ	43·0
		ePPZ	43 13·5
		ePPPZ	44 40·2
		eSN*	49 09·0
		esSE*	25·0
		eScSN*	50 45·0
		eSSN*	53 08·0
		ePKPPKPZ	15 10 40±

Mu Sec
PZ 0·1 1·0
MH 13·6 20
△=60°·9

	Kr	ePZ	14 41 11·7

USCGS H 14 30 45·3
36·2 N 141·1 E
Near east coast of Honshu,
Japan
depth about 49 km
Mag : 5½-5¾ (Pal),
5·4 (CGS)

30	Lh	ePZ	17 29 58·4
	Qt	ePZ	30 41·5
		epPZ	51·2
		esPZ	55·5

USCGS H 17 29 37·6
41·3 N 141·9 E
Near east coast of Honshu,
Japan
depth about 57 km
Mag : 4·8 (CGS)

30	Ch	ePZ	17 30 12·0
	Wr	ePZ	32 47·3
	Qt	ePZ	33 09·0

USCGS H 17 23 17·3
9·3 N 126·4 E
Near east coast of Mindanao,
Philippine Islands,
depth about 91 km

Date	Station	Phase	h m s

Mag : 5·3 (CGS)

		ePZ	19 14 24·0
30	Qt	ePZ	19 44 03·0
30	Qt	ePZ	18·0
	Lh	ePZ	26·1
	Wr	ePZ	22 47 21·5
30	Qt	ePZ	27·0
		epPZ	50 45·5
		ePPZ	

USCGS H 22 34 33·3
56·6 N 152·3 W
Alaska aftershock
depth about 15 km
Mag : 4·7 (CGS)

31	Ch	iPZ	00 49 27e
		ipPZ	43
		isPZ	51
		eSNE	56 33
	Lh	ePZ	50 21·0e
		iSN	01 00 05·0
	Wr	iPZ	00 50 25·1
		iSZ	58 20·1
	Qt	iPZ	51 01·5e
		eSN*	59 24·2

Mu Sec
PZ 0·2 1·0
△=62°·3

	Kr	ePE	00 51 20·7
		epPE	32·2
		esPE	39·4
		eSE	01 00 07·6

USCGS H 00 40 36·4
43·5 N 146·8 E
Kurile Islands
depth about 48 km
Mag : 6½-6¾ (Pal),
6·3 (CGS)

31	Wr	ePZ	10 35 00·3
	Qt	ePZ	36·5

USCGS H 10 24 54*
53·7 N 158·7 E

Date	Station	Phase	h	m	s
		Southern Kamchatka			
		depth about 110 km			
		Mag : 4·8 (CGS)			
31	Qt	ePZ	13	26	05·0
		USCGS H	13	19	46·5
		35·3 N	103·1 E		
		Kansu Province, China			
		depth about 33 km			
		Mag : 5·1 (CGS)			
31	Ch	ePZ	17	28	02·0
		USCGS H	17	15	26·8
		13·6 S	172·1 E		
		New Hebrides Islands			
		depth about 73 km			
		Mag : 4½-5 (Brk),			
		5·0 (CGS)			

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Date	Phase	h	m	s
	QUETTA			
1	ePZ	00	30	08·5
1	ePZ	01	22	46·0
1	ePZ	03	25	48·5
1	ePZ	05	40	19·2
1	ePZ	07	20	55·5
1	ePZ	15	00	40±
2	ePZ	00	05	29·5d
2	ePZ	00	05	30·0
2	ePZ	05	50	07·0
2	ePZ	08	19	57·5
2	ePZ	10	02	23·0
2	ePZ	14	58	03·0
2	ePZ	16	57	46·0
2	ePZ	17	20	37·0
3	ePZ	07	45	38·0
3	ePZ	12	40	28·0
3	ePZ	14	22	39±
	e(S)E		23	01·0
3	ePZ	14	42	24·5±
3	ePZ	19	39	32·5
3	ePZ	21	24	40·2d
	eSN		25	06·5
3	epgZ	23	00	48·5
	eSgN			51·2
4	ePZ	02	34	37·7
	eSE		35	10·0
4	ePZ	19	25	24·5
	e(S)N		27	31·0
4	epZ	23	31	36·0
5	ePZ	00	40	54·0
	eSNE		42	21·0
5	ePZ	20	20	00·5
	eSE		21	14·0
5	ePZ	22	49	16·3
6	ePZ	03	42	43·4
	eSE		43	02·9
6	eXZ	04	41	05±
6	ePZ	05	48	44·0
	eSE			54·5
6	ePZ	06	01	50·5
6	ePZ	06	16	39·5
	eSE			58·0
6	ePZ	08	33	45·0
6	ePZ	10	01	27·5
	eSE			49·0
6	ePZ	19	55	28·5
	eSE		56	02·0
6	ePZ	20	50	36·7
6	ePZ	22	59	35
7	ePZ	14	39	38·0
7	ePZ	21	38	16·5
	eSN		39	37·5
8	ePZ	08	10	19·0
	eSN			21·0
8	ePZ	09	36	19·0
8	ePZ	10	39	11·0
8	ePZ	11	19	23·5
	eSN			26·0
8	ePZ	18	40	07·5
	eSN			16·2
8	eXZ	20	59	17·5
8	ePZ	21	27	40·0±
	eSN		28	27·0
10	ePZ	04	52	27±
	eSE			31·5
10	ePZ	10	05	12·6
	eSE			28·5
10	ePZ	18	32	11·3
10	ePZ	18	33	36·5
	eSE			40·9
10	ePZ	22	22	10·0
11	ePZ	01	28	44·5
	eSE			54·0
11	ePZ	04	29	35±
11	ePZ	05	29	37·0
	eSE			40·6
11	ePZ	13	50	05·0
	eSE			10·0
11	ePZ	17	52	38·0

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Date	Phase	h	m	s
11	ePZ	20	11	12·5
	eSE			48·0
11	ePZ	21	13	17·0
	eSE			31·0
11	ePZ	21	15	53·0
	eSN		16	06·0
11	ePZ	21	43	50·0
	eSE		44	03·0
12	ePZ	01	25	37·5
	eLE		30	49·0
14	ePZ	02	43	26·2
14	ePZ	08	06	29±
	eSN			49±
14	ePZ	10	17	30±
14	ePZ	13	22	36·0
	e(S)N		23	14·0
15	ePZ	01	59	47·5
	e(S)E	02	03	13·0
15	ePZ	05	14	06±
15	ePZ	15	03	28·5
	eSN			37·4
16	ePZ	05	55	36·0
	eSE		56	00·0
16	ePZ	10	23	15·5
	e(S)N		24	37·5
16	ePZ	19	12	07·5
16	ePZ	20	15	33·5
	eSE		16	00·0
16	ePZ	20	30	39·5
	eSE			45·5
17	ePZ	03	04	08·0
	eSN			35·0
18	ePZ	06	24	28·5
	e(S)E		25	18·5
18	ePZ	22	12	00·0
	eSN			15·5
18	ePZ	22	57	48±
	eSE		58	00
19	ePZ	19	41	08·7
	eSE			34·0
20	ePZ	02	16	46·5
	eSN		17	20
20	ePZ	02	46	02·7
20	ePZ	05	28	35·6
	eSE			40·1
20	ePZ	06	25	09·5
20	ePZ	16	15	15·2
	eSN			20·2
20	ePZ	18	50	20·4
20	ePZ	23	04	08·5
21	ePZ	01	24	04·0
21	ePZ	09	31	40±
	eSE		32	01·0
21	ePZ	13	52	00±
	eSNE			10·5
21	ePZ	19	13	22·5
22	ePZ	00	45	21·5
22	ePZ	19	18	58·5
	eSE		19	26·0
25	ePZ	07	33	07·0
25	ePZ	07	38	02·9
	eSE		39	01·5
25	ePZ	19	24	33·0
	e(S)N		25	03·0
25	ePZ	21	22	43·0
	eSE		23	06·5
25	ePZ	21	39	32·2
	eSN		40	06·2
25	ePZ	22	37	02·0
26	ePZ	05	57	29·0
	eSE			39·5
26	ePZ	20	34	38·0
	eSE		35	52·5
27	ePZ	01	32	28·5
	eSN			29·5
27	ePZ	04	38	42
28	ePZ	06	02	33·5
	eSE		03	30·0
28	ePZ	08	33	08·5
	eSE		34	05·5

Date	Phase	h	m	s
28	ePZ	12	01	05·5
	eSN			20·0
28	ePZ	15	47	37·5
	e(S)E		51	26·5
29	ePZ	23	02	32·5
30	ePZ	01	20	37·2
30	ePZ	09	09	55·0
	eSN		10	16·7
30	ePZ	14	28	44·2
	eSN			58·3
30	ePZ	21	39	34·0
	eSN		41	28·5
31	ePZ	03	34	56·5
	e(S)E		35	23·5
31	ePN	20	14	33±
	eSN		15	55·0
31	ePN	20	28	18·0
	eSN		29	35·5
	WARSAK			
1	ePZ	03	40	21·5
1	ePZ	11	10	50·4
1	eXZ	11	12	19·0
2	ePZ	05	09	20·0
2	iPZ	16	24	23·3
	iSZ			51·5
3	ePZ	04	47	01·6
4	ePZ	04	00	01·7
	eSZ			45·1
5	ePZ	09	26	20·0
6	ePZ	02	27	27·7
6	ePZ	04	40	15·9
	eSZ		41	10·3
7	ePZ	23	55	53·1
7	ePZ	20	37	14·0
	eSZ			46·2
8	ePZ	08	03	24·7
	eSZ			50·0
8	ePZ	18	32	59·0
	eSZ		33	36·6

Date	Phase	h	m	s
11	ePZ	12	47	18.2
	eSZ			59.3
11	ePZ	13	02	03.2
12	ePZ	05	44	18.3
12	ePZ	07	29	01.8
	eSZ			36.4
12	ePZ	11	46	13.0
	eSZ			46.2
14	ePZ	13	37	43.0
15	ePZ	01	50	58.5
	eSZ		51	31.3
15	ePZ	15	01	39.7
17	iPZ	19	38	49.8
18	ePZ	22	55	32.9
	iSZ		56	05.0
19	ePZ	23	22	33.9
21	ePZ	00	15	10.6
21	ePZ	10	14	45.6
	eSZ		15	06.2
21	ePZ	13	01	23.2
24	ePZ	00	18	11.8
	eXZ			40.5
24	ePZ	18	21	15.2
25	ePZ	04	31	04.6
	eSZ		32	34.3
25	ePZ	07	15	48.3
26	ePZ	08	54	21.4
	eSZ			53.4
26	iPZ	22	33	37.9
	iSZ		34	05.1
27	ePZ	01	39	33.2
	eSZ			58.8
27	ePZ	03	39	28.3
	eSZ		40	05.2
27	ePZ	12	45	53.7
	eSZ		46	26.8
28	iPZ	02	05	10.5
28	ePZ	03	18	36.2
	eSZ		19	09.7
28	ePZ	23	46	43.7
31	ePZ	05	52	20.0

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Date	Phase	h	m	s
	LAHORE			
4	eXZ	19	24	02.5
6	eXNE	03	47	36.3
6	eXNE*	11	40	23.2
6	ePZ,Z*	15	39	05.0
8	ePZ	20	56	28.5
8	ePZ,Z*	23	52	53.0
13	eXZ*	03	54	11.0
13	eXZ*	05	42	06.0
15	ePZ, Z*	13	52	30.0
	eXZ			37.0
	iSZNEN*E			55.4
15	ePZ	17	19	57.0
	eSZ*		20	22.4
16	eXZ	12	24	40.4
21	eXZ	15	18	15.5
22	ePZ, Z*	00	22	19.3
22	eXZ	16	08	35
26	ePZ	20	34	54.0
	iSZZNE		35	19.5
27	eXZ,Z*	20	32	07.0
	KARACHI			
2	ePZ	16	22	04.3
25	ePZ	07	38	01.8
	eSE			42.4
31	ePE	00	51	20.7
	CHITTAGONG			
1	eXZ	01	21	15
1	eXZ	03	29	45
4	eXZ	03	57	44
5	ePZ	08	56	27.3
5	eXN	14	47	21
5	eXN	17	48	16
6	eXN	15	50	35
7	ePZ	08	15	03±
7	ePZN	08	34	09±
7	eXZ	12	16	30
8	eXZ	06	32	47
8	eXZ	21	47	45
9	eXZ	13	54	46
9	eXZ	21	19	19
11	eXZ	14	54	15
11	eXZ	15	03	42
12	eXZ	11	23	37
12	ePZ	18	29	19.1
12	eXZ	22	14	42
13	eXZ	15	05	28
13	eXZ	22	51	37
14	eXZ	22	47	02
15	eXZ	22	42	39
16	eXZ	02	10	11
16	eXZ	08	47	03
	eSN			50
16	eXZ	16	25	38
17	eXZ	19	45	01.4
17	ePZ	20	27	24.4
	eXZN			42
	eXNE			56
18	eXZ	03	27	52
18	eXZ	17	48	36
19	eXZ	23	23	46.8
20	ePZ	21	12	33±
21	eXZ	23	21	45
22	eXZ	10	10	19.0
22	eXZ	14	13	40
22	eXZ	16	06	09
23	eXZ	20	50	00
24	eXZ	01	03	32
24	eXZ	04	26	48
24	ePZ	11	55	07.0
24	eXZ	16	41	15
26	eXZ	09	52	04
26	eXZ	12	42	57
26	eXZ	16	01	33
27	eXZ	00	02	50
27	ePZ	08	23	06.0
27	eXZ	10	10	27
27	eXZ	11	26	46
27	ePKPZ	19	21	01±

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Date	Phase	h	m	s
28	eXZ	06	39	44.1
28	eXN	12	52	40.8
28	eXN	13	10	32
28	eXZ	23	35	54.4
29	ePZ	03	47	30.0
30	ePZ	13	37	07.0
31	eXN	13	23	53

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Date	Station	Phase	h m s
1	Qt	ePZ	03 57 25.0d
		USCGS H 03 46 42*	
		45.5 N 150.7 E	
		Kurile Islands	
		depth about 24 km	
		Mag : 4.3 (CGS)	
1	Qt	ePZ	04 29 02.0c
1	Wr	ePZ	07 46 56.2
		eXZ	47 22.9
	Qt	ePZ	48 15.5
		eSE	49 23.0
		H 07 46 46	
1	Qt	ePZ	08 59 38.4
		USCGS H 08 49 37.1	
		4.6 N 125.9 E	
		Talaud Islands	
		depth about 113 km	
		Mag : 5.3 (CGS)	
1	Qt	ePZ	11 32 28.5
		USCGS H 11 22 02.1	
		43.6 N 146.9 E	
		Kurile Islands	
		depth about 33 km	
		Mag : 4.5 (CGS)	
1	Qt	ePKPZ	13 36 15±
		USCGS H 13 17 20.7	
		21.0 S 175.7 W	
		Tonga Islands	
		depth about 35 km	
		Mag : 5.2 (CGS)	
1	Lh	ePZ	18 41 00.0
		epPZ	15.5
	Qt	ePZ	40.0
		USCGS H 18 31 13.7	
		43.6 N 147.0 E	
		Off east coast of Hokkaido, Japan	
		depth about 33 km	
		Mag : 4.7 (CGS)	
1	Wr	ePZ	19 56 12.9
		eXZ	40.3
	Qt	ePZ	57 09.5
		eSN	58 43.5
		H 19 55 09	
1	Qt	ePZ	21 45 08.0
2	Qt	ePZ	13 23 42.0
2	Qt	ePZ	14 37 10.0
2	Wr	ePZ	16 21 41.9
	Lh	ePZ	52.0
	Qt	ePZ	22 08.0d
		eSN*	32 38.0
		Mu Sec	
		MH 1.7 20	
		△=86°.0	
		USCGS H 16 09 23.5	
		59.7 N 144.4 W	
		Alaska after shock	
		depth about 15 km	
		Mag : 4¾ (Brk)	
		5.1 (CGS)	
		5.8 (Qt)	
2	Qt	ePZ	16 42 26.5
		USCGS H 16 29 41.5	
		59.7 N 144.2 W	
		Alaska after shock	
		depth about 10 km	
		Mag : 4.8 (CGS)	
2	Qt	ePZ	17 17 15.1
		USCGS H 17 06 41.9	
		43.9 N 148.8 E	
		Kurile Islands	
		depth about 45 km	
		Mag : 4.5 (CGS)	
2	Wr	ePZ	20 24 07.4
		eSZ	44.6
	Qt	ePZ	25 06.5
		eSN	26 28.0
		H 20 23 20	
3	Ch	ePZ	02 50 31
		iSN	51 28

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Date	Station	Phase	h m s
	Lh	ePZ	53 37.0
		iSZ	56 53.0
	Wr	ePZ	54 06.4
	Qt	iPZ	39.0d
		e(sS)N	59 25.0
		Mu Sec	
		PZ 0.2 0.5	
		△=23°.0	
		25.4 N 94.6 E	
		Northern Burma	
		depth about 60 km	
		Felt Torhat	
	Kr	ePZ	54 54.5
		eSE	59 27.0
		USCGS H 02 49 14.9	
		25.9 N 95.8 E	
		Northern Burma	
		depth about 100 km	
		Mag : 5.5 (CGS),	
		5.9 (Qt)	
3	Qt	ePZ	05 17 34.5
3	Qt	ePZ	14 16 27.0
		USCGS H 14 03 42.4	
		59.9 N 143.9 W	
		Alaska aftershock	
		depth about 20 km	
		Mag : 5.1 (CGS)	
3	Qt	ePKPZ	18 13 15.5
		USCGS H 17 54 14.7	
		18.8 S 173.7 W	
		Tonga Islands	
		depth about 33 km	
		Mag : 4.8 (CGS)	
3	Wr	iPZ	19 55 33.2
		iSZ	56 06.4
	Qt	iPZ	32.0c
		eSN	57 52.5
		Mu Sec	
		PZ 0.02 0.5	
		△= 7°.2	
		H 19 54 49	
		36.4 N 71.2 E	
		depth about 25 km	
		Hindukush region	
		Mag : 4.6 (Qt)	
3	Wr	ePZ	22 38 07.2
		eSZ	39.7
	Qt	iPZ	39 06.7d
		iSN	40 25.5
		Mu See	
		PZ 0.01 0.5	
		△= 7°.0	
		H 22 37 24	
		Hindukush region	
		Mag : 4.3 (Qt)	
4	Qt	ePZ	01 51 07.0
		USCGS H 01 42 19.9	
		24.5 N 122.1 E	
		Off east coast of Taiwan	
		depth about 33 km	
		Mag: 5.0 (CGS)	
4	Wr	iPZ	02 57 55.9
		iSZ	58 35.8
	Lh	ePZ	58 41.7
		eSNE	59 53.2
	Qt	ePZ	58 43.0
		eSN	59 57.0
		Mu Sec	
		PZ 0.01 0.6	
		△= 6°.5	
		H 02 57 06	
		36.1 N 69.7E	
		Hindukush region	
		depth about 33 km	
		USCGS H 02 57 07.6	
		36.4 N 69.3 E	
		Hindukush region	
		depth about 33 km	
		Mag: 4.9 (CGS),	
		4.2 (Qt)	

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Date	Station	Phase	h	m	s
4	Qt	ePZ	04	48	07.2
4	Qt	ePZ	10	28	31.5
		USCGS H 10 18 15.3			
		7.8 S 117.6 E			
		Flores Sea			
		depth about 47 km			
		Mag : 5.2 (CGS)			
4	Qt	ePZ	11	29	51.5
		USCGS H 11 17 11.8			
		6.1 S 149.9 E			
		New Britain			
		depth about 54 km			
4	Qt	ePZ	11	44	14±
4	Qt	iPZ	13	07	30.5d
		USCGS H 12 56 02.6			
		4.9 S 134.2 E			
		Near south coast of			
		western New Guinea			
		depth about 33 km			
4	Wr	ePZ	15	59	17.4
		eSZ			53.8
	Qt	ePZ	16	00	20.0
		eSE		01	40.5
		H 15 58 39			
		Hindukush region			
4	Qt	ePZ	19	10	35.5
4	Qt	ePZ	23	11	22.7
5	Qt	ePZ	00	09	36.5
5	Wr	ePZ	00	16	57.1
	Qt	ePZ			37.2
		esSE*		20	45.0
		USCGS H 00 11 51.9			
		39.3 N 43.1 E			
		Eastern Turkey			
		depth about 33 km			
		Mag : 4.6 (CGS)			
5	Wr	ePZ	02	39	17.6
	Qt	ePZ		40	27.8
		USCGS H 02 36 12.4			

Date	Station	Phase	h	m	s
		42.5 N 84.8 E			
		Sinkiang province, China			
		depth about 52 km			
		Mag : 4.9 (CGS)			
5	Qt	ePZ	04	10	12.5
5	Qt	ePZ	10	03	16.0
		USCGS H 09 50 35.0			
		60.4 N 146.0 W			
		Alaska aftershock			
		depth about 15 km			
		Mag : 5.2 (CGS)			
5	Qt	ePZ	13	06	16.5
		USCGS H 13 01 28.2			
		43.0 N 45.4 E			
		Eastern Caucasus			
		depth about 33 km			
		Mag : 4.6 (CGS)			
5	Qt	ePZ	20	14	07±
5	Wr	ePZ	22	19	09.6
	Lh	ePZ		19	17.4
		eSN*E*		29	34.0
	Qt	ePZ		19	35.0c
		eSN		30	09.0
		Mu Sec			
		MH 1.2 20			
		△ =86°.9			
		USCGS H 22 06 53.0			
		58.1 N 152.1 W			
		Alaska aftershock			
		depth about 15 km			
		Mag: 5.0 (CGS),			
		5.1 (Qt)			
6	Wr	iPZ	08	06	46.0
		eSZ		07	22.4
	Lh	ePZ			22.5
		iSNE		08	26.5
	Qt	iPZ		07	50.3d
		iSE*		09	15.0
		Mu Sec			
		PZ 0.1 0.5			

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Date	Station	Phase	h m s
		△= 7°.5	
		H 08 05 59	
		36.5 N 71.5 E	
		Hindukush region	
		depth about 160 km	/
		USCGS H 08 05 56.4	
		37.1 N 72.1 E	
		Hindukush region	
		depth about 166 km	
		Mag : 5.0 (CGS)	
		5.3 (Qt)	
6	Lh	ePKPZ	19 27 56.6
	Qt	$ePKP_1Z$	28 00.7
		$ePKP_2Z$	29 40.5
		ePPZ	33 33.5
		USCGS H 19 07 51.4	
		26.6 S 114.4 W	
		Easter Islands region	
		depth about 33 km	
		Mag : 5.8 (CGS)	
7	Wr	ePZ	05 50 38.0
		eSZ	51 16·0
	Qt	ePZ	43.7
		eSE	53 14·2
		Mu Sec	
		PZ 0.01 0.6	
		△= 8°.0	
		H 05 49 47	
		Hindukush region	
		Mag : 4.8 (Qt)	
7	Qt	ePZ	14 59 40±
		USCGS H 14 49 31.2	
		36.3 N 141.0 E	
		Near east coast of	
		Honshu, Japan	
		depth about 36 km	
		Mag : 5.0 (CGS)	
7	Qt	ePZ	19 12 01.5
7	Qt	ePZ	20 29 45±
	Wr	ePZ	30 04.9
	Lh	ePZ	12.0
7	Lh	ePZ	20 40 57.0c
	Qt	ePZ	41 36.0
		esSN*	50 39.0
		USCGS H 20 30 55.5	
		45.3 N 150.9 E	
		Kurile Islands	
		depth about 33 km	
		Mag : 5.0 (CGS)	
8	Ch	ePZ	04 34 12.2
	Qt	ePZ	47.5c
		USCGS H 04 22 30.1	
		51.6 N 175.9 W	
		Andreanof Islands,	
		Aleutian Islands	
		depth about 27 km	
		Mag : 4.9 (CGS)	
8	Wr	ePZ	06 55 20.4
		eSZ	52.6
	Qt	ePZ	56 17.5
		eSE	57 39.5
		Mu Sec	
		PZ 0.01 0.6	
		△= 7°.2	
		H 06 54 34	
		Hindukush region	
		Mag : 4.2 (Qt)	
8	Qt	ePZ	18 09 14.2
		USCGS H 17 56 18.5	
		6.1 S 153.6 E	
		Solomon Islands	
		depth about 59 km	
		Mag : 4.5 (CGS)	
8	Ch	ePZ	23 02 07±
	Lh	ePZ	03 40
	Qt	ePZ	04 29.5
		eSN*	13 43.0
		USCGS H 22 53 21.7	
		17.7 N 145.7 E	
		Mariana Islands	
		depth about 163 km	
		Mag : 5.4 (CGS)	

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Date	Station	Phase	h	m	s
9	Wr	ePZ	05	14	56.6
	Qt	ePZ		16	07.0
9	Qt	ePZ	07	21	11.5
9	Ch	ePZ	12	34	21±
		iSNE			59
	Wr	ePZ		37	47.9
	Qt	ePZ		38	06.8c
9	Qt	ePZ	17	24	21.5c
		USCGS H 17 12 18.0			
		51.4 N 178.5 E			
		Rat Islands,			
		Aleutian Islands			
		depth about 33 km			
		Mag: 4.4 (CGS)			
9	Qt	ePZ	20	58	45.5
9	Qt	ePZ	23	52	42.5
10	Qt	ePZ	09	06	09.5
10	Lh	ePZ	17	59	21.0
	Qt	iPZ	18	00	37.0d
		eSE*		04	42.0
		USCGS H 17 55 42.9			
		31.8 N 93.1 E			
		Tibet			
		depth about 71 km			
		Mag: 5.0 (CGS)			
10	Qt	ePZ	18	37	13.6
		USCGS H 18 26 54.5			
		9.4 S 117.6 E			
		Sumbawa region			
		depth about 33 km			
		Mag : 5.0 (CGS)			
10	Wr	ePZ	19	57	25.5
	Qt	iPZ			27.6c
		USCGS H 19 48 30.5			
		6.1 S 104.9 E			
		Near west coast of			
		Java			
		depth about 84 km			
		Mag : 5.4 (CGS)			
10	Ch	ePZ	22	23	55

Date	Station	Phase	h	m	s
		iSNE		29	42
	Lh	ePZ		26	12.0
		eSNE		33	51.0
	Wr	ePZ		26	32.0
		eSZ		34	33.0
	Kr	ePZ		26	45.3
	Qt	ePZ			51.8
		eSE*		35	09.0
		USCGS H 22 16 44.8			
		5.0 N 127.4 E			
		Talaud Islands region			
		depth about 146 km			
		Mag : 5.5 (CGS)			
11	Ch	ePZ	10	36	14.6
	Wr	ePZ		37	49.9
	Qt	ePZ		38	07.5
		USCGS H 10 26 16.8			
		2.2 S 141.2 E			
		Near north coast of			
		western New Guinea			
		depth about 67 km			
11	Qt	ePZ	13	31	39.5
		USCGS H 13 19 44.0			
		1.9 S 141.0 E			
		Near north coast of			
		western New Guinea			
		depth about 40 km			
		Mag : 5.3 (CGS)			
11	Qt	ePZ	14	12	31.3
11	Qt	ePZ	16	43	20±
11	Ch	ePZ	17	11	48.2
	Wr	ePZ		13	27.0
	Qt	ePZ			44.4
		USCGS H 17 01 48 .5			
		2.0 S 140.8 E			
		Near north coast of			
		Western New Guinea			
		depth about 18 km			
11	Qt	ePZ	18	00	01.0

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Date	Station	Phase	h m s
11	Qt	ePZ	18 41 47.5d
		USCGS H 18 32 17.9	
		33.1 N 137.6 E	
		Near south coast of	
		Honshu, Japan	
		depth about 33 km	
		Mag: 4.8 (CGS)	
11	Qt	ePZ	19 09 29.5
11	Wr	ePZ	19 53 50.0
	Qt	ePZ	54 07·0
		USCGS H 19 42 12.8	
		2.1 S 141.2 E	
		Off north coast of	
		Western New Guinea	
		depth about 33 km	
11	Qt	ePKPZ	21 46 39.0
		USCGS H 21 28 08.2	
		55.9 S 27.7 W	
		Sandwich Islands	
		depth about 135 km	
		Mag: 6.1(CGS)	
11	Qt	ePZ	21 57 32.0
12	Lh	ePZ	05 40 24.5
		iSNE	55.5
	Wr	ePZ	26.8
		iSZ	58·2
	Qt	ePZ	41 33±
		eSN	43 00
		H 05 39 44	
		33.9 N 74.6 E	
		Kashmir	
		depth about 33 km	
12	Wr	ePZ	08 10 03.9
		iSZ	35.7
	Qt	ePZ	11 07.7
		eSN	12 29.0
		H 08 09 22	
12	Wr	ePZ	11 01 45.9
	Qt	ePZ	02 02.5
		USCGS H 10 50 09 .1	
		2.1 S 141.1E	
		Near north coast of	
		Western New Guinea	
		depth about 33 km	
		Mag: 5.5 (CGS)	
12	Wr	ePZ	16 05 25.1
		ePPZ	06 10.4
	Qt	ePZ	05 47.5
		USCGS H 15 56 21 .3	
		11.4 N 124.9 E	
		Philippine Islands	
		detph about 183 km	
		Mag : 5.5 (CGS)	
12	Qt	iPKPZ	18 30 02.5c
		USCGS H 18 12 20.5	
		26.5 S 178.3 E	
		South of Fiji Islands	
		depth about 648 km	
		Mag : 5.3 (CGS)	
12	Qt	ePZ	19 04 09.3
		USCGS H 18 53 34	
		45.5 N 149.9 E	
		Kurile Islands	
		depth about 45 km	
		Mag : 4.6 (CGS)	
12	Qt	ePZ	23 00 46.0
		USCGS H 22 47 47.2	
		6.6 S 154.7 E	
		Solomon Islands	
		depth about 80 km	
		Mag : 5.1 (CGS)	
13	Qt	ePZ	03 44 50.5
13	Lh	ePZ	04 32 07.5
	Wr	ePZ	16.7
	Qt	ePZ	30.0
		ePZ *	42 06.0
		USCGS H 04 20 53.5	
		53.6 N 172.1 E	
		Near Islands, Aleutian	
		Islands	

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Date	Station	Phase	h m s
		depth about 33 km	
		Mag: 5.1 (CGS)	
13	Wr	ePZ	05 16 01.2
	Qt	ePZ	18.5
		USCGS H 05 04 23.5	
		1.9 S 141.2 E	
		Off north coast of	
		Western New Gulnea	
		depth about 33 km	
		Mag: 5.9 (CGS)	
13	Qt	ePZ	08 10 04.5
13	Wr	ePZ	08 29 57.9
	Qt	ePZ	30 08.7d
		USCGS H 08 23 45.6	
		10.0 N 93.0 E	
		Andaman	
		depth about 33 km	
13	Qt	ePZ	14 13 48.5
		USCGS H 14 01 40.2	
		3.9 S 154.3 E	
		Solomon Islands region	
		depth about 474 km	
		Mag: 5.5 (CGS)	
13	Ch	ePZ	17 36 31.5
		eSN	59.0
	Lh	ePZ	40 20.6
		eSNE	43 44.0
	Wr	ePZ	40 55.2
		eSZ	44 56.1
	Qt	ePZ	41 19d
		esSE	45 55.5
		H 17 36 02	
		23.5 N 93.4 E	
		Burma	
		depth about 33 km	
		USCGS H 17 35 57.8	
		23.0 N 94.0 E	
		Burma	
		depth about 61 km	

Date	Station	Phase	h m s
		Mag: 5.8 (CGS)	
13	Lh	ePZ	20 52 26.7
	Qt	ePZ	53 04·5
		USCGS H 20 42 17.7	
		46.4 N 153.3 E	
		Kurile Islands region	
		depth about 51 km	
		Mag: 4.4 (CGS)	
13	Qt	ePKPZ	22 50 42·5
		USCGS H 22 31 53.5	
		27.6 S 178.3 W	
		Kermadec Islands region	
		depth about 94 km	
		Mag: 5.2 (CGS)	
14	Wr	iPZ	10 35 03·3
		iSZ	31·2
	Qt	ePZ	36 07·2
		eSE	37 28·0
		H 10 34 25	
		Hindukush region	
14	Qt	ePZ	12 20 55·0
		eSE*	25 15·2
	Wr	ePZ	21 14·8
	Lh	ePZ	41·6
		iSE	26 42·0
	Ch	ePZ	24 16·8
		USCGS H 12 15 31 .3	
		38.0 N 38.5 E	
		South eastern Turkey	
		depth about 8 km	
14	Qt	ePZ	12 43 23.6d
		USCGS H 12 38 03·7	
		38.1 N 38.3 E	
		Southern Turkey	
		depth about 31 km	
		Mag: 4.7 (CGS)	
14	Ch	ePZ	19 36 34
		eSPZ	37 10
	Qt	ePZ	39 08·5
		USCGS H 19 27 54.4	

Date	Station	Phase	h	m	s
		6.8 S 129.8 E			
		Banda Sea			
		depth about 81 km			
		Mag: 4.7 (CGS)			
15	Ch	ePZ	00	09	40
		eSNE		12	58
	Lh	ePZ			10·0
		eSE*		17	31·0
	Wr	ePZ		12	38·8
	Qt	ePZ			43·2
		eSE*		18	23·0
		USCGS H 00 05 31.1			
		5.4 N 97.0 E			
		Northern Sumatra			
		depth about 33 km			
15	Qt	ePZ	01	14	20·0
15	Qt	ePZ	10	51	40
15	Qt	ePZ	11	03	01·2
		USCGS H 10 53 06.7			
		40.1 N 138.5 E			
		Sea of Japan			
		depth about 15 km			
		Mag: 5.2 (CGS)			
15	Qt	ePZ	16	37	43·5
		USCGS H 16 27 09 .9			
		45.4 N 149.8 E			
		Kurile Islands			
		depth about 53 km			
		Mag: 4.6 (CGS)			
15	Qt	ePZ	17	45	11·3
15	Qt	ePZ	23	26	04±
16	Ch	ePZ	04	09	49·8
		iPpZ		10	09
		eSE		16	19
		esSNE			52
	Lh	ePZ		10	53·0
	Wr	ePZ		11	00·6
		eSZ		18	41·3
	Qt	ePZ		11	37·5
		eSN		19	45·0
		USCGS H 04 01 44.3			
		38.3 N 139.1 E			
		Near west coast of			
		Honshu, Japan			
		depth about 57 km			
		Mag: 7¼-7½(Pas),			
		6.1 (CGS)			
16	Qt	ePZ	05	32	10·5
		USCGS H 05 22 09.3			
		38.7 N 139.1 E			
		Near west coast of			
		Honshu, Japan			
		depth about 15 km			
		Mag: 4.8 (CGS)			
16	Qt	ePZ	05	49	19·5
		USCGS H 05 39 24.5			
		38.8 N 139.0 E			
		Near west coast of			
		Honshu, Japan.			
		depth about 35 km			
		Mag: 4.9 (CGS)			
16	Qt	ePZ	05	56	35·1
		USCGS H 05 46 37.8			
		38 4 N 138.9E			
		Near west coast of			
		Honshu, Japan			
		depth about 33 km			
		Mag: 4.7(CGS)			
16	Qt	ePZ	06	27	05·5
		USCGS H 06 17 07·8			
		38.4 N 138.9 E			
		Near west coast of			
		Honshu, Japan			
		depth about 28 km			
		Mag: 5.1 (CGS)			

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Date	Station	Phase	h	m	s
16	Ch	ePZ	07	01	14·2
	Lh	ePZ		02	19·0
	Wr	ePZ			26·2
	Qt	ePZ		03	04·5

USCGS H 06 53 05·0
38.7 N 139.0 E
Near west coast of Honshu, Japan
depth about 15 km
Mag: 5.6 (CGS)

16	Ch	ePZ	07	23	13±
	Lh	ePZ		24	12·6
	Wr	ePZ			20·0
	Qt	ePZ			56·0
		eSN		33	02·0

USCGS H 07 14 57.1
38.5 N 139.2 E
Near west coast of Honshu, Japan
depth about 33 km
Mag: 5.9 (CGS)

16	Qt	ePZ	08	01	09.3

USCGS H 07 51 10.4
38.4 N 138.9 E
Near west coast of Honshu, Japan
depth about 15 km
Mag: 4.9 (CGS)

16	Qt	ePZ	08	25	11.5

USCGS H 08 15 14 .2
38.8 N 138.3 E
Near west coast of Honshu, Japan
depth about 15 km
Mag: 4.7 (CGS)

16	Wr	ePZ	11	27	42.6
	Qt	ePZ		28	00.5

USCGS H 11 16 03.1
2.0 S 141.1 E
Near north coast of New Guinea
depth about 13 km
Mag: 5.9 (CGS)

16	Wr	ePZ	17	19	40.7
	Qt	ePZ		20	06.0

USCGS H 17 08 30.8
15.6 N 147·2 E
Mariana Islands
depth about 33 km
Mag: 4.8 (CGS)

16	Qt	ePZ	17	36	25.5

USCGS H 17 23 30.4
5.8 S 154.0 E
Solomon Islands region
depth about 60 km
Mag: 5.7 (CGS)

16	Qt	ePZ	18	16	01.0
16	Lh	ePZ	21	36	19.0
		iSNE			47.5
	Qt	ePZ		37	15.0
16	Qt	ePZ	21	48	08.5
17	Qt	ePZ	15	20	41.5

USCGS H 15 10 44.3
38.7 N 139.0 E
Near west coast of Honshu, Japan
depth about 27 km
Mag: 5.0 (CGS)

17	Qt	ePZ	20	18	28.5
18	Lh	ePZ	04	19	15.0
		eSZ			47.0
	Wr	ePZ			34.0
		eSZ		20	19.9
	Qt	ePZ		19	34.5

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Date	Station	Phase	h m s
		eSE	20 16.5
		H 04 18 36	
		30.7 N 71.4 E	
		Pakistan	
		depth about 33 km	
18	Qt	ePZ	11 40 56.0
18	Wr	ePZ	15 15 01.2
		eSZ	16 30.9
	Qt	ePZ	04.5
		eSE	17 57.5
		H 15 13 30	
18	Lh	ePZ	18 12 03.0
	Wr	ePZ	04.5
	Qt	ePZ	40.0c
		eSE	21 42.0
		Mu Sec	
		MH 5.5 20	
		△ = 69°.1	
		USCGS H 18 01 47.6	
		47.5 N 154.9 E	
		Kurile Islands	
		depth about 33 km	
		Mag: 5(Pal),	
		5.3 (CGS).	
		5.8 (Qt)	
18	Lh	ePZ	18 32 55.4
	Qt	ePZ	34 00.0
18	Qt	ePKPZ	20 53 35.2
	Lh	ePKPZ	43.8
		USCGS H 20 33 53.3	
		39.3 S 74.7 W	
		Off coast of Central	
		Chile	
		depth about 26 km	
		Mag: 5.3 (CGS)	
19	Qt	ePZ	00 56 39.0
		USCGS H 00 50 24.4	
		40.7 N 32.0 E	
		Turkey	
		depth about 33 km	
		Mag: 4.6 (CGS)	
19	Ch	ePZ	10 13 43.0
	Wr	ePZ	14 57.6
	Qt	ePZ	15 34.0
		USCGS H 10 05 36.4	
		38.8 N 139.3E	
		Near west coast of	
		Honshu, Japan	
		depth about 33 km	
		Mag: 5½(Brk),	
		5.6(CGS)	
19	Lh	ePZ	10 42 33.4
		eSN*E*	48 46.0
	Wr	ePZ	10 42 46.4
	Qt	ePZ	43 17.0
		eSE*	50 22.0
		USCGS H 10 34 33.6	
		22.6 N 121.0 E	
		Taiwan	
		depth about 33 km	
		Mag: 5.2(CGS)	
19	Qt	ePZ	20 17 10.5
		eSE	18 59.5
		Mu Sec	
		PZ 0.01 .0.5	
		H 20 14 50.2	
		Mag: 4.3 (Qt)	
19	Qt	ePZ	21 17 20.3
		USCGS H 21 07 23.6	
		38.8 N 139.0E	
		Near west coast of	
		Honshu, Japan	
		depth about 33 km	
		Mag: 4.2 (CGS)	
20	Wr	ePZ	00 13 10.5
		eSZ	24.0
	Qt	ePZ	14 14.0
		eSN	15 14.5
		H 00 12 50	
20	Wr	ePZ	08 49 17.2
	Qt	ePZ	50 00±

Date	Station	Phase	h m s
20	Wr	ePZ	10 07 08.0
		eSZ	08 12.4
			21.5
	Qt	ePZ	10 23.0
		eSE	
		Mu Sec	
		PZ 0.01 0.5	
		△ = 10°.9	
		H 10 05 44	
		Mag : 4.3 (Qt)	
20	Qt	ePZ	16 18 50±
		USCGS H 16 06 44.3	
		3.3 S 142.4 E	
		Near coast of north	
		east of New Guinea	
		depth about 33 km	
		Mag : 5.5 (CGS)	
20	Qt	iPZ	17 09 17.7 c
		USCGS H 16 59 09.0	
		40.5 N 142.2 E	
		Near coast of northern	
		Honshu, Japan	
		depth about 35 km	
		Mag : 4.9 (CGS)	
20	Qt	ePZ	19 40 28.9
21	Wr	ePZ	01 43 27.5
		ePZ	28.0
	Lh	ePZ	44 03.0
	Qt	ePZ	
		USCGS H 01 33 11.2	
		51.0 N 157.0 E	
		Kamchatka	
		depth about 51 km	
		Mag : 5.7 (CGS)	
21	Wr	ePZ	12 24 43.6
		eSZ	25 09.3
	Qt	ePZ	33.6
		H 12 24 09	
21	Qt	ePZ	19 25 37.5
		USCGS H 19 14 10.3	
		12.2 N 143.8 E	
		South of Massana Islands	

Date	Station	Phase	h m s
		depth about 33 km	
		Mag : 4.7 (CGS)	
22	Qt	ePZ	00 35 24.5
		USCGS H 00 16 27.4	
		15.7 S 172.8 W	
		Samoa Islands	
		depth about 33 km	
		Mag : 5.1 (CGS)	
22	Qt	ePKPZ	13 58 45.0
		USCGS H 13 40 02.5	
		25.1 S 177.4 W	
		Fiji Islands region	
		depth about 121 km	
		Mag : 5.1 (CGS)	
22	Qt	ePZ	17 28 41.5
		USCGS H 17 16 57*	
		3.0 S 139.6 E	
		Western New Guinea	
		depth about 78 km	
22	Wr	iPZ	19 14 16.5
		iSZ	48.3
	Lh	ePZ	58.5
		eSZ	16 01.4
	Qt	ePZ	15 10.0
		eSE	16 27.0
		H 19 13 34	
		36.0 N 70.4 E	
		Hindukush	
		depth about 220 km	
22	Lh	ePZ	21 31 52.0
	Wr	ePZ	32 15.3
	Qt	ePZ	38.0
		USCGS H 21 23 33.6	
		13.6 N 120.3 E	
		Luzon, Philippine Islands	
		depth about 56 km	
		Mag : 6.5 (CGS)	
22	Wr	ePZ	22 08 03.0

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Date	Station	Phase	h m s
	Lh	ePZ	33 .0
	Qt	ePZ	09 09 .2
		eSE	10 14 .5
		H 22 07 45	
		33 .8 N 71 .9 E	
		Pakistan	
		depth about 130 km	
23	Lh	ePZ	01 36 14 .0 c
		eSN*E*	43 58 .0
	Wr	iPZ	36 19 .3
		eSZ	44 03 .1
	Qt	ePZ	36 54 .9
		eSN	45 16 .0
		USCGS H 01 26 37 .0	
		43 .3 N 146 .1 E	
		Kurile Islands	
		depth about 77 km	
		Mag : 7(Pas),	
		$6\frac{3}{4}$-7(Brk),	
		$6\frac{3}{4}$ (Pal),	
		6 .2 (CGS)	
23	Qt	ePZ	04 38 28 .0
		USCGS H 04 32 19*	
		13 .9 N 94 .7 E	
		Andaman Sea	
		depth about 33 km	
23	Qt	ePZ	05 38 09 .5
23	Lh	ePZ	19 19 54 .5
	Wr	ePZ	20 15 .5
	Qt	ePZ	33 .5
		USCGS H 19 10 11 .4	
		3 .0 N 126 .6 E	
		Talaud Islands	
		depth about 33 km	
		Mag : 5 .3 (CGS)	
23	Qt	ePZ	23 26 39 .5
		USCGS H 23 14 27 .2	
		51 .6 N 177 .0 W	
		Andreanof Islands,	
		Aleutian Islands	
		depth about 50 km	
		Mag : 4 .8 (CGS)	
24	Qt	ePZ	02 12 09 .0
24	Wr	ePZ	10 33 48 .6
27	Lh	ePZ	02 31 10 .4
28	Qt	ePZ	05 19 03 .5
28	Ch	ePZ	13 01 55 .6
	Wr	ePZ	03 54 .4
	Qt	ePZ	04 10 .5
30	Ch	ePZ	13 53 38 .4
		eSNE	59 27
	Lh	ePZ	55 57 .0
		eSZ	14 03 41 .0
	Wr	ePZ	13 56 18 .1c
		eSZ	14 04 08 .7
	Kr	ePZ	13 56 24 .3
	Qt	ePZ	31 .0
		eSN*	14 04 46 .0
		USCGS H 13 46 21 .6	
		0 .8 S 122 .5 E	
		Northern Celebes	
		depth about 36 km	
		Mag : 6 .3 (CGS)	
30	Lh	ePZ	19 56 59 .0
		eSZ	20 04 40 .0
	Wr	ePZ	19 57 22 .0
30	Wr	ePZ	20 17 24 .8
	Lh	ePZ	25 .0
30	Lh	ePZ	23 24 05 .5

Date	Phase	h m s
	QUETTA	
1	ePZ	12 03 28·0
	eSN	31·6
1	ePZ	16 22 42·5
	eSE	23 18·5
2	ePZ	03 36 00·0
	eSE*	47·0
2	ePZ	04 18 13·0
	eSN	35·5
2	ePZ	11 22 08·5
	e(S)N	24 05·0
2	ePZ	22 57 07·5
	eSN	14·5
3	eXZ	02 47 53
3	ePZ	07 10 14·0
	eSN	35·4
3	ePZ	13 14 00·0
	eSN	21·5
3	ePZ	17 37 21·0
	eSE	38 04·5
5	ePZ	04 00 28·5c
	eSN	42·6
5	ePZ	04 39 43·0
	eSN	41 05·0
5	ePZ	15 05 28·5
	eSE	06 21·0
5	ePZ	17 46 00±
	eSN	06·0
6	ePZ	20 56 32·5
7	ePZ	00 32 00
	iSE	26·0
7	ePZ	02 09 37·0
	eSE	10 50·0
7	ePZ	21 19 57·0
	eSE	20 46·0
8	ePZ	17 55 42·0
	eSE	47·3
9	ePZ	15 29 54·0
	eSE	56·5
10	ePZ	07 00 59·5

Date	Phase	h m s
	eSN	02 16·5
12	ePZ	15 32 17·5
	eSZ	44·5
12	ePZ	16 43 49±
	eSN	44 01·5
12	ePZ	22 57 35·5
	eSN	44·6
12	ePZ	23 25 35·5
	eSN	26 04·5
13	ePZ	11 40 41·5
	eSE	43·5
13	iPZ	19 44 06·0c
	eSN	27·3
13	ePZ	20 29 30·2
	eSE	56·3
13	ePZ	22 11 56·5
	eSE	12 11·5
14	ePZ	03 24 42±
	eSE	25 17±
14	ePZ	06 04 14±
	e(S)N	05 15±
14	ePZ	15 43 26·5
15	ePZ	19 20 47·2
	e(S)N	48·7
15	ePZ	23 28 41·5
16	ePZ	08 58 37·5
	eSE	59 05·0
16	ePZ	22 26 01·0
	eSN	18·5
17	ePZ	16 21 25·5
	eSNE	23 34·5
18	ePZ	16 12 45·5
	eSN	13 05·0
20	ePZ	00 17 44·2
	eSN	46·5
20	ePZ	00 36 25·5
	eSN	28·0
20	ePZ	20 46 43·3
21	ePZ	00 02 52±
21	ePZ	01 03 05·5

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Date	Phase	h	m	s
	eSE			25·0
22	ePZ	07	13	46·0
	eSN		14	10±
22	ePZ	19	51	21·5
	eSE			40·5
22	ePZ	20	07	22·0
22	ePZ	20	30	19·2
	eSE			45·0
22	ePZ	21	30	12·0
	eSE			32·0
22	ePZ	21	39	13·5
	e(S)N			47·0
23	ePZ	16	57	17
	eSE			23·5
23	ePZ	21	43	49·0
	e(S)E		46	02·0
23	ePZ	21	50	15·5
	eSE			45·5
24	ePZ	02	01	50·0
	e(S)E		03	44·0
	WARSAK			
1	ePZ	12	06	38·0
1	ePZ	15	49	29·7
	eSZ			50·0
1	ePZ	18	40	35
3	ePZ	02	46	28·8
3	eXZ	02	51	31·2
3	iPZ	20	15	41·3
5	ePZ	15	48	29·2
	eSZ			56·2
6	ePZ	13	59	00·1
	eSZ			37·9
7	ePZ	20	39	29·1
9	ePZ	05	49	30·6
	eSZ		50	03·1
9	ePZ	05	52	04·5
	eSZ			35·6
10	ePZ	04	14	38·8
10	ePZ	07	15	00·6
	eSZ			32·1

Date	Phase	h	m	s
	ePZ	15	12	20·9
10	eXZ	22	56	04·2
10	ePZ	22	56	15·5
10	ePZ	09	17	54·1
12	eSZ		18	39·5
12	ePZ	10	00	30·9
12	ePZ	22	32	08·4
13	ePZ	03	29	58·4
18	ePZ	16	10	42·6
	eSZ		11	19·1
18	ePZ	18	32	10·1
	eSZ			51·0
19	ePZ	20	25	58·7
	eSZ		26	52·7
20	ePZ	11	42	28·6
	eSZ		43	06·6
20	ePZ	14	51	43·7
	eSZ			46·2
20	ePZ	14	54	05·4
	eSZ			07·2
20	iPZ	14	54	36·7
	iSZ			39·2
20	ePZ	14	55	31·4
	eSZ			33·7
20	ePZ	15	15	52·2
21	ePZ	18	17	59·4
	eSZ		18	31·8
21	ePZ	22	23	33·9
22	ePZ	10	02	38·9
	eSZ		03	11·2
22	ePZ	19	10	32·0
	eSZ		11	01·0
23	ePZ	16	01	30·0
	eSZ		02	00·8
24	ePZ	19	28	50·2
	eSZ		29	19·2
24	ePZ	21	51	53·9
	eSZ		52	14·4
25	ePZ	01	30	48·0
	eSZ		31	13·1

Date	Phase	h	m	s
		02	19	50·1
26	ePZ		20	21·1
	eSZ	12	01	03·8
26	ePZ			35·3
	eSZ	02	30	54·6
28	ePZ		31	16·3
	eSZ	07	42	16·7
30	ePZ			54·4
	eSZ	15	57	45·1
30	ePZ		58	40·7
	eSZ			
	LAHORE			
	ePgZ	19	57	09·6
3	iSgZNE			13·0
	eSZ	12	05	27·0
4	ePZZ*	20	40	57·0c
7	ePZ	19	56	57·6c
10	iXZ	17	13	09·0
11	iXZ	17	59	45·0
11	iXZ	18	41	02·0
11	iXZ	21	46	47·0
11	ePZ	08	11	07·5
12	eSNE			47·0
13	ePZ	08	34	32·0
15	ePZ	16	41	23·5
17	ePZ	16	21	54·3
18	ePZ	16	12	21·2
19	ePZ	20	26	14·4
	iXZ		27	03·4
	eSZNE			16·3
24	ePZ*	13	20	18·0
24	ePZ	19	29	35·0
	eSZNE		30	36·0
30	ePZ	15	57	41·0
	iXZ			55·0
	iSZ		58	38·0
30	ePZ	23	24	05·5
	KARACHI			
2	ePnZ	03	35	55·5
	ePgZE		36	03·0
	eSgE			34·7
28	ePnZ	08	49	43·5
	eSnE		50	00·0
	CHITTAGONG			
1	eXN	06	19	07
1	eXN	08	57	17
2	eXZ	07	00	19
3	eXZ	08	36	45
4	eXZ	10	27	51
5	eXZ	11	03	09
6	eXZ	08	12	09
6	eXZ	19	27	30
7	ePZ	00	42	08·1
7	eXZ	05	40	53
7	eXZ	08	33	44
7	eXZ	14	59	34
8	eXN	16	00	05
10	eXZN	17	59	36
10	eXZ	18	34	46
10	eXZ	19	27	46
10	eXZ	19	55	26
10	ePZ	23	38	00±
11	eXN	11	15	01
11	eXZ	21	48	57
12	eXZ	11	01	36
12	eXZ	22	59	57
13	eXZ	08	26	55
14	ePZ	01	06	24±
14	eXZ	17	30	18
15	eXZ	01	11	12
16	ePZ	04	25	50·2
16	ePZ	04	43	37·5
16	eXZ	05	31	16
16	eXZ	05	44	48
16	eXZ	07	17	32
16	eXZ	11	26	48
18	eXZ	18	12	14

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Date	Phase	h	m	s
19	eXZ	10	41	14
21	eXN	15	18	01
22	eXZ	03	15	36
22	eXZ	08	00	06
27	eXZ	02	33	51
27	eXZ	22	05	21
30	ePZ	15	57	50·4

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QUARTERLY SEISMOLOGICAL BULLETIN OF PAKISTAN

Vol. 10 **July to September 1964** **No. 3.**

Issued under the authority of the Director

PAKISTAN METEOROLOGICAL SERVICES

GEOPHYSICAL CENTRE

QUETTA

PRINTED BY THE MANAGER, PRINTING CORPORATION OF PAKISTAN PRESS, KARACHI.
1976

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The Seismological Bulletin of Pakistan is a quarterly publication containing data of Seismological Stations of Pakistan.

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SEISMOLOGICAL BULLETIN

of

PAKISTAN

Pakistan Meteorological Services, Geophysical Centre, Quetta.

Vol. 10 July to September, 1964 No. 3

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Particulars of Stations and Instruments

(a) **Stations**

Station	Symbol	Latitude	Longitude	Height (a.s.l.)	Ground
Quetta	Qt	30° 11′ N	66° 57′ E	1721 meters	Cretaceous Limestone
Lahore	Lh	31° 33′N	74° 20′ E	210 ,,	Alluvium
Karachi	Kr	24° 50′N	67° 02′ E	30 ,,	Alluvium
Chittagong	Ch	22° 21′N	91° 49′ E	35 ,,	Alluvium
Warsak	Wr	34° 09′N	71° 25′ E	343 ,,	River Terrace

(b) **Instruments**

Instruments	Components	Period Sec		Damping	Max Magnification
		To	Tg		
Quetta					
Sprengnether	Z	1.9	1.9	Critical	5,500
,,	N	15.8	15.8	,,	15,000
Benioff	Z	1.0	0.77	,,	2,00,000
,,	N	1.0	0.76	,,	2,00,000
,,	E	1.0	0.77	,,	2,00,000

Instruments	Components	Period Sec To	Tg	Damping	Magnification
Sprengnether	Z	30 .1	100 .0	Critical	3,000
,,	N	30 .3	100 .0	,,	3,000
,,	E	30 .2	100 .0	,,	3,000
Willmore	Z	1 .0	0 .25	—	—
Sprengnether	E	1 .0	6 .0	—	—
Pen recorder					
Lahore					
Sprengnether	Z	1 .8	1 .8	Critical	4,900
,,	N	1 .7	1 .7	,,	4,200
,,	E	1 .6	1 .6	,,	4,100
Benioff	Z	1 .0	0 .75	,,	6,250
,,	N	1 .0	0 .75	,,	6,250
,,	E	1 .0	0 .75	,,	6,250
Sprengnether	Z	30 .0	100 .0	,,	750
,,	N	30 .0	100 .0	,,	750
,,	E	30 .0	100 .0	,,	750
Karachi					
Sprengnether	Z	1 .8	1 .8	Critical	5,890
,,	N	1 .8	1 .8	,,	4,700
,,	E	1 .4	1 .4	,,	4,700
Chittagong					
Sprengnether	Z	1 .7	1 .7	Critical	5,200
,,	N	1 .8	1 .8	,,	5,700
,,	E	1 .5	1 .5	,,	3,600
Warsak					
Sprengnether	Z	1 .95	1 .95	Critical	8,000
,,	N	1 .8	1 .8	,,	4,000

*Indicates long period seismographs

c=compression, d—dilatation, x—unidentified phase

Mu=Actual ground motion of the indicated phase in microns

Sec=Period of the indicated phase in seconds

(Pas), (Berk), (Up), (Ki), (Pal), stand for seismological observatories Pasadena (U.S.A.), Berkeley (U.S.A.), Uppsala (Sweden), Kiruna (Sweden) Palisade (U.S.A.) respectively

All times are in Greenwich Mean Time.

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Date	Station	Phase	h	m	s
1	Ch	ePZ	02	56	29·6
	Lh	ePZ		57	14·2
	Qt	ePZ			54·1
		USCGS H 02 47 33·9			
		46·3 N 146·9 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 5(Pal),			
		5·4 (CGS)			
1	Qt	ePZ	03	59	02·1
1	Qt	ePZ	04	48	54·0
1	Qt	ePZ	04	55	55·0
1	Qt	ePZ	06	21	39·2
	Wr	ePZ		22	26·1
	Lh	ePZ			41
1	Qt	ePZ	07	04	41·0
1	Qt	ePZ	07	17	26·0
1	Wr	ePZ	09	37	32.0
1	Qt	ePZ			49·0
		USCGS H 09 25 54*			
		2·0 S 141·2 E			
		Off north coast of			
		Western New Guinea			
		depth about 33 km.			
1	Ch	ePZ	09	56	09·6
	Wr	ePZ			45·5
	Qt	ePZ		57	22·5
		USCGS H 09 46 49·6			
		45·2 N 150·3 E			
		Kurile Islands			
		depth about 75 km			
		Mag : 5-5¼(Pal),			
		4·8 (CGS)			
1	Qt	ePZ	10	49	23·5
1	Qt	ePZ	14	30	04·0
1	Qt	ePZ	21	10	44·0
1	Lh	ePZ	22	55	36·5
	Wr	ePZ			48·0
	Qt	ePZ		56	22·0
		USCGS H 22 46 18·7			
		31·1 N 139·6 E			
		South of Honshu, Japan			
		depth about 147 km			
		Mag : 5·1 (CGS)			
1	Qt	ePZ	23	11	35·2
2	Ch	ePZ	01	31	41·6
	Qt	ePZ			43·5
		USCGS H 01 19 02·7			
		60·1 N 146·0 W			
		Alaska after shock			
		depth about 14 km			
		Mag : 5¼(Pa),			
		5·1 (CGS)			
2	Wr	iPZ	05	12	56·0
	Qt	ePZ		13	09·5
		USCGS H 05 03 35*			
		1·2 N 118·9 E			
		Macassar Strait			
		depth about 133 km			
2	Wr	ePZ	23	03	55·0
3	Wr	ePZ	11	01	53·0
3	Lh	ePZ	14	11	11·1
		iSZ			42·8
	Wr	iPZ			13·9
		iSZ			49·0
	Qt	ePZ		12	18·8
		eSZ		13	44·7
		Mu Sec			
		PZ 0·02 1·0			
		△ = 7°6			
Ch		ePZ	14	14	41·0
		H 14 10 30			
		34·0 N 74·7 E			
		Kashmir			
		depth about 100 km			
		USCGS H 14 10 33·0			
		33·9 N 74·5 E			
		Kashmir			
		depth about 94 km			
		Mag : 4·9 (CGS),			
		4·3 (Qt)			
4	Qt	ePZ	04	30	53·3
4	Lh	ePZ	11	00	23·0

Date	Station	Phase	h	m	s
					37 ·5
	Wr	ePZ		09	43 ·0
		eSN		01	03 ·0
	Qt	iPZ		10	29 ·8
		iSN			
		Mu Sec			
		PZ 0·1 1·0			
		△ =73° ·6			
		USCGS H 10 49 28 ·8			
		11 ·7 N 144 ·5 E			
		Mariana Islands			
		depth about 33 km			
		Mag : 6 ·0 (CGS),			
		5 ·9 (Qt)			
4	Wr	ePZ	16	25	41 ·7
		eSZ		26	21 ·0
	Qt	ePZ			30 ·0
		eSN		28	01 ·0
		Mu Sec			
		PZ 0·01 0·9			
		△ =8° ·1			
		H 16 24 49			
		Kashmir region			
		Mag : 4 ·1 (Qt)			
5	Qt	ePZ	08	58	01 ·2
5	Qt	ePZ	12	48	32 ·7
		USCGS H 12 36 27 ·5			
		51 ·2 N 179 ·1 E			
		Rat Islands, Aleutian Islands			
		depth about 33 km			
		Mag : 4 ·9 (CGS)			
5	Qt	ePKPZ	19	27	00 ·2
		USCGS H 19 07 57 ·8			
		26 ·2 N 110 ·2 W			
		Gulf of California			
		depth about 29 km			
		Mag : 5¾-6(Brk),			
		6-6¼ (Pal),			
		6 ·0 (CGS)			
5	Qt	ePZ	19	52	43 ·7
5	Ch	ePZ	23	45	08 ·0
	Lh	ePZ			55 ·4
	Wr	ePZ			59 ·0

Date	Station	Phase	h	m	s
		eSN		54	03 ·0
				46	35 ·3
	Qt	ePZ			
		USCGS H 23 36 01 ·5			
		44 ·8 N 149 ·6 E			
		Kurile Islands			
		depth about 54 km			
		Mag : 6¼(Pas),			
		6-6¼ (Pal),			
		5 ·5 (CGS)			
6	Qt	ePKPZ	07	41	02±
		ePKSN		44	40±
	Wr	ePKPZ		41	01 ·5
	Lh	ePKPZ			12 ·5
	Kr	ePKPZ			24 ·7
		ePPZ		44	06 ·2
	Ch	ePKPZ		41	30±
		USCGS H 07 22 11 ·7			
		18 ·3 N 100 ·4 W			
		Guerrero, Mexico			
		depth about 100 km			
		Mag : 6¾-7 (Pas, Brk),			
		7¼-7½ (Pal),			
		6 ·3 (CGS ·)			
6	Wr	iPZ	10	14	35 ·2
		iSN			54 ·1
	Lh	iPZ		15	14 ·0c
		iSN		16	19 ·5
	Qt	ePZ		15	38±
		eSE		17	05±
	Kr	ePZ		16	41 ·2
		eSE		18	54 ·7
	Ch	ePZ			43 ·6
		eSN		22	51
		H 10 13 45			
		37 ·0 N 71 ·5 E			
		Hindukush			
		depth about 160 km			
		USCGS H 10 13 45 ·2			
		37 ·1 N 71 ·4 E			
		Hindukush region			
		depth about 100 km			
		Mag : 5 ·9 (CGS)			

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Date	Station	Phase	h	m	s
6	Ch	ePN	14	28	09·4
	Lh	ePZ		30	18.6
	Wr	ePZ			40·9
	Qt	ePZ			55±
		USCGS H 14 19 46·3			
		6·9 S 129·6 E			
		Banda Sea			
		depth about 100 km			
		Mag : 5·8 (CGS)			
7	Wr	ePZ	06	54	28·8
	Qt	ePZ			33±
		USCGS H 06 44 49·2			
		8·8 S 110·7 E			
		Near south coast of Java			
		depth about 60 km			
7	Qt	ePKPZ	07	57	04·1
		USCGS H 07 39 04·2			
		23·6 S 179·9 W			
		Fiji Islands region			
		depth about 462 km			
		Mag : 5·5 (CGS)			
7	Wr	ePZ	21	13	11·8
		eSN			40·8
	Lh	ePZ			40·3
		eSZ		14	29·3
	Qt	ePZ			29·1
		eSE		15	59·1
	Kr	ePZ			25·2
		eSE		17	35·2
		Mu Sec			
		PZ 0·1 1·0			
		△ =8°·1			
		H 21 12 32			
		35·9 N 73·7 E			
		Kashmir region			
		depth about 33 km			
		USCGS H 21 12 33·6			
		35·8 N 73·4 E			
		Hindukush			
		depth about 19 km			
		Mag : 5·2 (CGS),			
		5·0 (Qt)			
8	Wr	ePZ	00	50	14·3
		eSZ			52·8
	Qt	ePZ		51	18·9
		eSE		52	41·1
		Mu Sec			
		PZ 0·01 0·5			
		△=7°·3			
		Mag : 4·3 (Qt).			
8	Qt	ePZ	17	16	10·0d
		USCGS H 07 07 16·0			
		19·2 N 121·1 E			
		Near north coast of Luzon,			
		Philippine Islands			
		depth about 37 km			
		Mag : 4·6 (CGS)			
8	Ch	ePZ	07	53	18·5
	Lh	eXZ		55	40·0
	Wr	ePZ			59·8
	Qt	ePZ		56	17·5
		eSN	08	04	50·5
		USCGS H 07 45 48·6			
		3·2 N 128·4 E			
		Molucca Passage			
		depth about 50 km			
		Mag : 5·5 (CGS)			
8	Qt	ePZ	12	02	20·9
		USCGS H 11 49 23·7			
		6·4 S 154·8E			
		New Britain region			
		depth about 73 km			
		Mag : 5·1 (CGS)			
8	Ch	ePZ	12	03	51·6
		iSN		10	22
	Lh	ePZ	12	05	58·6
		iSN*		14	18·0
	Wr	ePZ		06	19·8
		eSN		14	59·0
	Kr	ePZ		06	22·3

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Date	Station	Phase	h	m	s
		ePP		57	·8
		ePP	08	58	·0
		eSE	15	05	·0
	Qt	iPZ	06	32	·8c
		iSN*	15	20	·0
		Mu Sec			
		MH 26·3 20			
		△=66°·6			
		USCGS H 11 55 39*			
		5·5 S 129·8 E			
		Banda Sea			
		depth about 165 km			
		Mag : 6·5 (CGS), 6·4 (Qt)			
8	Qt	ePZ	20	58	26·0
8	Wr	iPZ	21	22	44·0
	Qt	ePZ		23	10·1
		eSE		24	28·4
		Mu Sec			
		PZ 0·02 0·5			
		△=7°·0			
		Mag : 4·6 (Qt)			
9	Qt	ePZ	03	41	01·5
	Wr	ePZ		42	01·5
		USCGS H 03 38 10·8			
		29·3 N 52·7 E			
		South-western Iran			
		depth about 55 km			
9	Qt	ePZ	04	58	37±
9	Qt	ePZ	05	17	22±
9	Ch	ePZ	05	52	56·4
	Wr	ePZ		55	38·4
	Qt	ePZ		56	04·0
		iSN*	06	03	15·5
		Mu Sec			
		MH 2·7 20			
		△ =50°·7			
		USCGS H 05 47 09·2			
		15·4 N 119·8 E			
		Near west coast of Luzon, Philippine Islands			

Date	Station	Phase	h	m	s
		depth about 53 km			
		Mag : 5·5 (CGS)			
9	Wr	ePKPZ	11	40	50·6
	Qt	ePKPZ		41	01·0
		ePPZ*		42	41·0
		ePKSE*		44	22·5
		eSKSE*		48	07·0
		eSSE*		59	19·0
		USCGS H 11 22 05·4			
		23·3 S 175·7 W			
		Tonga Islands			
		depth about 43 km			
		Mag : 5·7 (CGS), 5½-5¾ (Brk)			
9	Wr	ePZ	12	11	51·0
	Qt	iPZ		12	25·6d
		eSN		20	47·0
		Mu Sec			
		PZ 0·1 1·0			
		△ =62°·2			
		USCGS H 12 02 11·9			
		34·2 N 140·9 E			
		Off east coast of Honshu, Japan			
		depth about 49 km			
		Mag : 5·0 (CGS), 5·9 (Qt)			
9	Ch	ePZ	16	52	06·6
		ePcPZ			10
		epPZ			37
		iSN	17	02	18
	Lh	iPZ	16	53	25·5c
	Wr	ePZ			39·0
		iPKPZ		58	22·0
	Qt	ePZ		53	53·0
		USCGS H 16 39 49·3			
		15·5 S 167·6 E			
		New He-brides Islands			
		depth about 121 km			
		Mag : 7½ (Pas), 7½-7¾ (Brk), 6·6 (CGS)			

Date	Station	Phase	h	m	s
9	Qt	ePZ	18	56	05·0
	Lh	ePZ			11·0
		USCGS H 18 45 32·9			
		49·4 N 153·5 E			
		Sea of Okhotsk			
		depth about 140 km			
		Mag : 5·3 (CGS)			
9	Qt	ePZ	20	38	31·0
9	Lh	ePZ	21	55	06·0
9	Wr	ePZ			24·8
	Qt	ePZ			40·5
		iPZ			41·5d
		USCGS H 21 43 46·3			
		1·8 S 141·6 E			
		Off coast of north-east			
		New Guinea			
		depath about 33 km			
9	Qt	ePZ	22	07	43·5
		USCGS H 21 56 48·4			
		44·2 N 149·5 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 4·3 (CGS)			
10	Qt	ePZ	01	30	40·0
		USCGS H 01 17 53·3			
		0·6 S 19·8 W			
		Mid-Atlantic Ocean			
		depth about 33 km			
		Mag : 4·6 (CGS)			
10	Qt	ePZ	12	11	40±
10	Qt	ePZ	13	41	47·5
10	Wr	iPZ	19	00	22·5
		iSZ			53·5
	Qt	iPZ		01	15·5d
		iSN		02	26·6
		Mu Sec			
		PZ 0·07 0·5			
		PH 0·05 0·5			
		SH 0·10 0·5			
		△ =6°·2			

Date	Station	Phase	h	m	s
		H 18 59 43			
		Hindukush region			
		Mag : 5·1 (Qt)			
10	Qt	ePZ	20	12	18±
10	Wr	iPZ	20	40	13·7
		iSN			40·5
	Lh	ePZ		40	58
		eSN		41	58
	Qt	ePZ		41	11·0d
		eSN		42	23·5
		Mu Sec			
		PZ 0·02 0·5			
		PH 0·02 0·5			
		△=6°·4			
		H 20 39 40			
		35·7 N 70·3 E			
		Hindukush			
		depth about 160 km			
		Mag : 4·8 (Qt)			
11	Wr	ePZ	01	48	37·0
		epPZ			52·0
	Qt	iPZ			51·5d
		USCGS H 01 36 16·3			
		7·3 S ~~148·0 E~~			
		Near coast of north-east			
		New Guinea			
		depth about 58 km			
		Mag : 5·1 (CGS)			
11	Qt	ePZ	04	55	34·4
		USCGS H 04 45 28·6			
		41·6 N 142·3 E			
		Near east coast of Honshu,			
		Japan			
		depth about 50 km			
		Mag : 4·7 (CGS)			
11	Qt	iPZ	08	37	51·0c
		USCGS H 08 29·12·9			
		22·4 N 121·4 E			
		Near south coast of Taiwan			
		depth about 119 km			
		Mag : 4·9 (CGS)			

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Date	Station	Phase	h	m	s
11	Qt	ePZ	09	56	58.0
		USCGS H 09 44 18.7			
		59.7 N 146.1 W			
		Alaska aftershock			
		depth about 33 km			
		Mag: 5 (Pal),			
		5.3 (CGS)			
11	Wr	ePZ	10	36	40.5
		eSN		37	21.5
	Qt	ePZ			50.3
		eSE		39	26.5
		H 10 35 46			
		Hindukush region			
11	Qt	ePZ	15	45	48.0
		USCGS H 15 35 53.1			
		5.8 N 126.4 E			
		Mindanao, Philippine Islands			
		depth about 152 km			
		Mag: 5.0 (CGS)			
11	Qt	ePZ	17	54	47.0d
		USCGS H 17 44 29.8			
		66.4 N 19.7 W			
		Northern Iceland			
		depth about 19 km			
		Mag: 4.9 (CGS)			
11	Lh	ePZ	19	03	43.8d
	Wr	ePZ		04	01.0
	Qt	ePZ			25.2d
		USCGS H 18 53 15.8			
		12.2 N 141.6 E			
		Mariana Islands region			
		depth about 61 km			
		Mag: 4.7 (CGS)			
11	Wr	ePZ	20	37	54.6
	Lh	ePZ		38	02.3
	Qt	ePZ			19.6
		eSN*		48	51.0
		MU Sec			
		MH 4.6 20			
		△=86°.3			
		USCGS H 20 25 40.3			
		59.7 N 146.2 W			
		Alaska after shock			
		depth about 40 km			
		Mag: 5.6 (CGS),			
		6.1 (Qt),			
		5-5¼(Brk),			
		5½-5¾ (Pal)			
12	Ch	ePZ	01	53	30.2
	Lh	ePZ		54	40.56
	Wr	ePZ			41±
		esPZ			55.2
		ePPZ		55	19.5
	Qt	ePZ			26.2
		eSN*	02	03	34.0
		ePPZ		25	10.5
		Mu Sec			
		PZ 0.2 1.5			
		△=59°.9			
		USCGS H 01 45 25.6			
		38.6 N 139.2 E			
		Near west coast of Honshu,			
		Japan			
		depth about 13 km			
		Mag: 6.0 (CGS),			
		5.9 (Qt)			
12	Qt	ePZ	09	49	38.0
12	Qt	ePZ	11	23	52.5
12	Qt	ePZ	12	26	19.0
12	Qt	ePZ	16	47	27.5
12	Qt	ePKPZ	17	07	20.7
		iXZ			30.5
	Lh	ePKPZ			41.9
		USCGS H 16 48 21.7			
		24.5 S 66.9 W			
		Chile-rAgentina border			
		depth about 164 km			
		Mag: 5.1 (CGS)			
12	Qt	ePZ	20	06	30±
		USCGS H 20 00 59.6			
		53.8 N 81.3 E			
		Central Russia			
		depth about 20 km			

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Date	Station	Phase	h m s
		Mag : 5.0 (CGS)	
12	Ch	ePZ	20 17 00.8
		iSN	46.5
	Lh	ePZ	20 17
		eSN	23 44
	Wr	ePZ	20 50
		eSN	24 46
	Qt	ePZ	21 16.5
		eSE*	25 31.5
		H 20 16 00	
		24.9 N 95.2 E	
		North-western Burma	
		depth about 100 km	
		Felt : Torhat	
		USCGS H 20 15 59.0	
		24.9 N 95.3 E	
		North-western Burma	
		depth about 155 km	
		Mag : 6.7 (CGS)	
12	Qt	ePKPZ	21 27 22.0
		USCGS H 21 08 52.6	
		55.9 S 27.6 W	
		Sandwich Islands	
		depth about 135 km	
		Mag : 5.2 (CGS)	
13	Lh	ePZ	11 03 09.5
		eSN	06 34.0
	Wr	ePZ	03 43.2
		epPZ	04 04.0
		eSN	07 42.5
	Qt	ePZ	04 06.6
		eSE*	08 24.0
		H 10 58 50	
		23.4 N 93.9 E	
		Burma	
		depth about 100 km	
		USCGS H 10 58 47.7	
		23.7 N 94.7 E	
		North-western Burma	
		depth about 117 km	
		Mag : 6.5 (CGS)	
13	Qt	ePZ	14 01 11.5
13	Wr	iSN	14 20 16.3
	Qt	IPZ*	45.5c
		ISE*	22 06.5
		Mu Sec	
		PZ 0.02 0.5	
		H 14 19 00	
		Hindukush region	
		Mag : 4.6 (Qt)	
13	Lh	ePZ	16 58 53·7
	Qt	ePZ	59 23·5
		USCGS H 16 49 38·8	
		8·3 S 113·7 E	
		Java	
		depth about 153 km	
13	Qt	iPZ	17 21 56·2c
		USCGS H 17 12 01·3	
		8·0 N 126·8 E	
		Mindanao, Philippine Islands	
		depth about 104 km	
		Mag : 4·0 (CGS)	
13	Qt	iPZ	18 23 47·5d
13	Qt	ePZ	21 16 01·5
		USCGS H 21 02 33·3	
		7·7 N 34·7 W	
		North Atlantic Ocean	
		depth about 33 km	
		Mag : 5·2 (CGS)	
13	Wr	ePZ	22 00 36·0
		eSN	01 12·7
	Lh	ePZ	14·2
		eSN	02 18·0
	Qt	iPZ	01 42·1d
		iSN	03 09·5
		Mu Sec	
		PZ 0·01 0·5	
		△= 7°.7	
		H 21 59 50	
		36·9 N 71·7 E	

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Date	Station	Phase	h m s
		Hindukush	
		depth about 200 km	
		Mag : 4·3 (Qt)	
13	Qt	ePZ	23 07 38·2
13	Qt	ePZ	23 56 02·6
		USCGS H 23 43 48*	
		48·3 S 32·0 E	
		Prince Edward Islands region	
		depth about 33 km	
14	Qt	ePZ	01 07 41·0
14	Qt	ePZ	02 00 15·5
		eSN	02 23·5
		Mu Sec	
		PZ 0·04 0·5	
		△=11°·5	
		H 01 57 30·6	
		Mag : 4·9 (Qt)	
14	Qt	ePZ	04 15 57·5
		USCGS H 04 04 18·2	
		53·6 N 172·0 E	
		Near Islands, Alcutian Islands	
		depth about 33 km	
		Mag : 4·9 (CGS)	
14	Qt	ePZ	06 54 38·5d
14	Qt	ePZ	14 09 24·5
		USCGS H 13 58 28·5	
		53·3 N 159·7 E	
		Near east coast of Kamchatka	
		depth about 40 km	
		Mag : 5·5 (CGS)	
14	Qt	ePZ	16 33 34·0
14	Lh	ePZ	17 29 22·5c
	Qt	ePZ	30 02·0
		USCGS H 17 19 23·3	
		45·3 N 150·2 E	
		Kurile Islands	
		depth about 33 km	
		Mag : 4·8 (CGS)	
14	Wr	ePZ	19 20 54·7
		iSN	21 23·5
14	Lh	ePZ	22 34·0
		eSN	22 34·5
			21 59·5
	Qt	ePZ	23 20·0
		eSN	
		Mu Sec	
		PZ 0·01 0·5	
		△= 7°·1	
		H 19 20 17	
		36·1 N 71·4 E	
		Hindukush	
		depth about 190 km	
		Mag : 4·3 (Qt)	
14	Qt	ePZ	19 44 53·5
14	Qt	ePZ	20 18 27·5
14	Qt	ePZ	23 11 55·2
		USCGS H 22 59 09·2	
		59·5 N 144·8 W	
		Alaska after shock	
		depth about 20 km	
		Mag : 4½-4¾ (Pal),	
		5·1 (CGS)	
15	Qt	ePZ	07 07 07·5
		eSE	09 03·5
		Mu Sec	
		PZ 0·05 0·7	
		△=10°·4	
		H 07 04 38·5	
		Mag : 4·9 (Qt)	
15	Qt	ePZ	07 38 30·0c
		USCGS H 07 26 01·4	
		52·1 N 170·6 W	
		Fox Islands, Aleutian Islands	
		depth about 30 km	
		Mag : 4¾-5 (Pal),	
		5·6 (CGS)	
15	Qt	ePZ	09 58 12·5
		USCGS H 09 49 05·8	
		35·2 N 4·5 E	
		Algeria	
		depth about 39 km	
		Mag : 4·3 (CGS)	
15	Ch	ePZ	19 05 33±

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Date	Station	Phase	h m s
	Qt	ePZ	06 56 ·1
		USCGS H 18 56 26 ·0	
		44 ·0 N 148 ·1 E	
		Kurile Islands	
		depth about 30 km	
		Mag : 5 ·5 (CGS)	
15	Qt	ePZ	22 45 27 ·5
15	Qt	ePZ	22 48 55 ·0
16	Qt	ePZ	04 31 26 ·0
		USCGS H 04 21 05 ·3	
		1 ·5 N 126 ·4 E	
		Molucca Passage	
		depth about 69 km	
16	Qt	ePZ	05 40 57 ·1
16	Wr	ePZ	07 00 04 ·9
		eSN	31 ·9±
	Qt	iPZ	51 ·0 d
		eSE	01 59 ·5
		Mu Sec	
		PZ 0 ·02 0 ·5	
		△= 6° · 0	
		H 06 59 26	
		Hindukush	
		Mag : 4 ·6 (Qt)	
16	Qt	ePZ	09 29 13 ·7
		USCGS H 09 19 45 ·8	
		29 ·9 N 138 ·0 E	
		South of Honshu, Japan	
		depth about 461 km	
		Mag : 4 ·1 (CGS)	
16	Lh	ePZ	10 47 15
	Qt	ePZ	55 ·0
		USCGS H 10 37 23 ·1	
		44 ·0 N 148 ·3 E	
		Kurile Islands	
		depth about 33 km	
		Mag : 4 ·8 (CGS)	
16	Qt	ePZ	16 13 26 ·5 c
	Lh	ePN*	45 ·0
	Wr	ePZ	14 03 ·7
		USCGS H 16 07 18 ·3	
		0 ·3 N 67 ·0 E	
		Indian Ocean	
		North west of Chagos Archipelago	
		depth about 33 km	
		Mag : 5 ·1 (CGS)	
16	Qt	ePZ	17 46 12 ·5
		USCGS H 17 39 59 ·6	
		36 ·1 N 30 ·8 E	
		Near coast of southern Turkey	
		depth about 61 km	
		Mag : 4 ·9 (CGS)	
17	Qt	ePZ	02 41 17 ·0 c
	Wr	iPZ	35 ·0
		ePPZ	43 04 ·5
		iSN	47 16 ·5
	Lh	ePZ	42 00
		epPZ	36
		ePPZ	43 42
	Ch	iPZ	44 17 ·3 c
		eSN	52 14
		USCGS H 02 34 26 ·9	
		38 ·2 N 23 ·7 E	
		Southern Greece	
		depth about 150 km	
		Mag : 5½-5¾ (Brk),	
		5 ·4 (CGS)	
17	Qt	ePZ	02 47 10 ·0
	Lh	ePZ	26
17	Ch	ePZ	04 50 56 ·3
		esPZ	51 18
	Wr	ePZ	29 ·5
	Lh	ePZ	30
	Qt	ePZ	52 05 ·0 d
		eSE*	05 01 11 ·0
		USCGS H 04 41 05 ·1	
		49 ·3 N 158 ·6 E	
		Kurile Islands	
		depth about 50 km	
		Mag : 4¾ (Brk),	
		5 ·4 (CGS)	
17	Wr	e(P)Z	13 00 44 ·0

Date	Station	Phase	h	m	s
		eSN	01	05	7
		ePZ		24	0
	Qt	eSE	03	08	5
		Mu Sec			
		PZ 0·02 0·5			
		△= 9°.2			
		H 12 59 11·7			
		Mag : 5·6 (Qt)			
17	Lh	ePZ	21	59	58
	Qt	ePZ	22	00	37·0
		USCGS H 21 49 58·3			
		44·5 N 149·9 E			
		Kurile Islands			
		depth about 39 km			
		Mag : 4·5 (CGS)			
17	Lh	ePZ	23	04	37·2
	Wr	ePZ			41·0
	Qt	ePZ	05	16	5
		USCGS H 22 54 42·2			
		44·6 N 149·2 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 5 (Pal),			
		5·4 (CGS)			
18	Qt	ePZ	03	46	59·8
		eSE		52	21·5
	Wr	ePZ		47	21.0
		eSN		52	58·4
		USCGS H 03 40 21·5			
		36·3 N 26·1 E			
		Dodecanese Islands			
		depth about 115 km			
		Mag : 4·9 (CGS)			
18	Ch	ePZ	12	53	03·2
	Lh	ePZ		55	19
		eSN*	13	02	56
	Wr	ePZ	12	55	42·9
	Qt	ePZ			55·8
		eSN	13	04	08·5
		USCGS H 12 45 47·7			
		0·2 N 123·5 E			
		Northern Celebes			
		depth about 97 km			
		Mag : 5·8 (CGS)			
18	Wr	ePZ	19	28	27·0
		eSN			57·6
	Qt	ePZ		29	20·4
		eSE		30	40·4
		H 19 27 45			
		Hindukush			
18	Qt	ePZ	23	49	04·5
		USCGS H 23 36 21·0			
		60·0 N 143·4 W			
		Alaska aftershock			
		depth about 33 km			
		Mag : 4·9 (CGS)			
19	Wr	ePZ	00	05	01·2
		eSN			33·2
	Qt	ePZ			58·5
		eSE		07	17·0
		Mu Sec			
		PZ 0·01 0·7			
		△= 6°.9			
		H 00 04 18			
		Hindukush			
		Mag : 4·2 (Qt)			
19	Wr	ePZ	06	03	55·5
	Lh	ePZ		04	15
	Qt	ePZ			48·4
		USCGS H 05 59 58·9			
		49·9 N 78·1 E			
		Kazakh, S.S.R.			
		depth about 0 Km			
		Mag : 5·5 (CGS)			
19	Qt	ePZ	13	39	51·0
19	Wr	ePZ	15	28	53·9
		iSN		29	28·3
	Lh	ePZ			35·5
	Qt	ePZ			46·1
		eSE		31	04·0
		H 15 28 07			

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Date	Station	Phase	h	m	s
		36·4 N 70·1 E			
		Hindukush			
		depth about 220 km			
19	Qt	ePZ	15	43	51·5
		USCGS H 15 33 57·6			
		9·4 S 113·0 E			
		South of Java			
		depth about 80 km			
19	Ch	ePZ	18	17	26·5
	Lh	ePZ		19	41·7
	Wr	ePZ		20	04·8
	Qt	ePZ			24·5 d
		USCGS H 18 10 48·2			
		7·5 N 121·8 E			
		Mindanao, Philippine Islands			
		depth about 51 km			
19	Qt	ePZ	20	37	17·5
		USCGS H 20 26 31*			
		3·1 S 126·8 E			
		Banda Sea			
		depth about 30 km			
19	Wr	ePZ	22	09	10·6
		eSN			43·1
	Qt	ePZ		10	09·6
		eSN		11	29·0
		H 22 08 20			
		Hindukush region			
20	Qt	ePKPZ	09	53	20·5
		USCGS H 09 34 22*			
		64·5 S 176·7 E			
		South Pacific Ocean			
		depth about 33 km			
20	Qt	ePKPZ	10	41	42·2
		USCGS H 10 22 53*			
		35·2 S 179·8 W			
		Northern of North Islands,			
		New Zealand			
		depth about 108 km			
		Mag : 4·8 (CGS)			
20	Qt	ePZ	12	21	11·0

Dare	Station	Phase	h	m	s
20	Wr	ePZ	12	44	00·2
		eSN			27·9
	Qt	ePZ			55·5
		eSE		46	06·5
		H 12 43 21			
		Hindukush region			
20	Qt	ePZ	13	35	47·0
		USCGS H 13 31 14*			
		14·4 N 53·5 E			
		Gulf of Aden			
		depth about 33 km			
20	Qt	ePZ		18	17 20·5
20	Qt	ePZ		22	49 32·5
		USCGS H 22 37 23·6			
		51·2 N 179·6 W			
		Andreanof Islands,			
		Aleutian Islands			
		depth about 33 km			
		Mag : 4·7 (CGS)			
20	Qt	ePZ	23	01	49·5
		USCGS H 22 43 15*			
		35·5 S 179·7 E			
		Off north coast of North Island,			
		New Zealand			
		depth about 223 km			
		Mag : 4·9 (CGS)			
21	Wr	ePKPZ	04	07	25·5
	Qt	ePKPZ			31·7
		eSKSN*		14	17·5
		USCGS H 03 48 59·1			
		26·0 S 178·0 W			
		Fiji Islands region			
		depth about 222 km			
		Mag : 6½ (Pas),			
		5·8 (CGS)			
21	Qt	ePZ	10	05	34·2
		USCGS H 09 56 16·6			
		72·1 N 130·2 E			
		Laptev Sea			
		depth about 33 km			
		Mag : 5·4 (CGS)			

Major Shock
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Date	Station	Phase	h	m	s
21	Qt	ePZ	11	49	10·6
		USCGS H 11 46 54·0			
		27·7 N 56·5 E			
		Near coast of southern Iran			
		depth about 50 km			
21	Ch	ePZ	13	19	12 ±
	Lh	ePZ		21	38·6 c
		eSN*		28	32
	Wr	ePZ		22	01·7
		eSN		29	20·0
	Qt	ePZ		22	24·9
		eSN*		30	03·0
		Mu Sec			
		MH 5·1 20			
		△=55°·0			
		USCGS H 13 13 00·2			
		11·5 N 121·9 E			
		Panay, Philippine Islands			
		depth about 34 km			
		Mag : 5·9 (Qt)			
21	Ch	ePZ	21	12	32·0
	Lh	ePZ		14	09·3
	Wr	ePZ			23·4
		eSN		25	07·0
	Qt	ePZ		14	40·8 c
		eSKSE*		25	11·0
		eSE			38·0
		USCGS H 21 01 49·5			
		4·6 S 153·3 E			
		New Britain region			
		depth about 60 km			
		Mag : 4·9 (CGS)			
22	Wr	ePZ	00	13	05·0
		eSN			52·0
	Qt	ePZ		14	16·0
		eSN		15	34·5
		H 00 12 31			
		Hindukush region			
22	Qt	ePKPZ	01	26	26·5
		USCGS H 01 06 43·8			
		41·8 S 75·9 W			
		Near coast of southern Chile			
		depth about 33 km			
		Mag : 4·8 (CGS)			
22	Qt	ePZ	04	09	30·5
22	Qt	ePZ	04	44	29·4
	Wr	ePZ		45	33·5
		USCGS H 04 41 55·1			
		27·6 N 55·0 E			
		Southern Iran			
		depth about 64 km			
		Mag : 4·9 (CGS)			
22	Qt	ePZ	09	01	56·2
		USCGS H 08 51 31*			
		4·1 N 125·7 E			
		Talaud Islands			
		depth about 237 km			
		Mag : 4·4 (CGS)			
22	Qt	ePZ	11	44	36·2
22	Qt	ePZ	20	26	21·0
	-	USCGS H 20 15 04·6			
		13·2 N 144·3 E			
		Mariana Islands			
		depth about 146 km			
		Mag : 4·7 (CGS)			
22	Qt	ePZ	20	43	18·0
23	Qt	ePZ	00	31	11·5
23	Qt	ePKPZ	02	12	48·0
		USCGS H 01 53 11·4			
		28·8 S 80·3 W			
		Northern Chile			
		depth about 37 km			
		Mag : 4·6 (CGS)			
23	Qt	ePZ	05	31	53·0
23	Qt	ePZ	16	35	52·2
23	Qt	ePZ	19	21	33·5
		USCGS H 19 08 06·6			
		59·9 N 149·2 W			
		Alaska after shock			
		depth about 55 km			

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Date	Station	Phase	h	m	s
		Mag : 5·4 (CGS)			
23	Lh	ePZ	19	38	23·5
		eXZ		39	05
	Qt	ePZ			57·4
23	Qt	ePZ	20	38	24±
24	Lh	ePZ	07	01	05·1
	Wr	ePZ			08·5
		eSN		09	29·5
	Qt	iPZ		01	43·2 c
		eSN		10	36·0
		USCGS H 06 50 52·8			
		46·9 N 153·9 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 6 (Pas), (Brk), 5·9 (CGS)			
24	Lh	ePZ	08	22	52
	Wr	ePZ			54·0
		eSZ		31	10·0
	Qt	ePZ		23	28·7 c
		eSN		32	22·5
		USCGS H 08 12 40·0			
		47·2 N 153·8 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 6½ (Pas), 5·9 (CGS)			
24	Qt	ePZ	09	11	21·5
24	Wr	ePZ	09	27	17·0
	Qt	iPZ			52·0 c
		USCGS H 09 17 00·5			
		46·8 N 154·1 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 5·0 (CGS)			
24	Qt	ePZ	09	46	10·0
		USCGS H 09 35 18·4			
		46·8 N 153·8 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 4·6 (CGS)			

Date	Station	Phase	h	m	s
24	Wr	ePZ	10	12	32·4
	Qt	ePZ		13	08·5
		USCGS H 10 02 16·4			
		46·8 N 153·8 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 5·1 (CGS)			
24	Qt	ePZ	11	06	24·0
		USCGS H 10 54 52·5			
		13·1 N 145·0 E			
		Mariana Islands			
		depth about 43 km			
		Mag : 5·6 (CGS)			
24	Qt	ePZ	12	20	20·2
		USCGS H 12 09 27·0			
		46·8 N 154·1 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 4·7 (CGS)			
24	Qt	ePZ	12	46	53·0 d
		USCGS H 12 35 59·5			
		46·9 N 154·0 E			
		Kurile Islands			
		depth about 33km			
		Mag : 4·9 (CGS)			
24	Lh	ePZ	13	35	30·6 c
	Qt	iPZ		36	10·0 c
		eSN		45	00·0 ±
		USCGS H 13 25 18·3			
		47·0 N 153·7 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 5·7 (CGS)			
24	Lh	ePZ	14	00	22
	Wr	ePZ			52·3 c
		USCGS H 13 47 48.6			
		6.6 S 154.8 E			
		Solomon Islands			
		depth about 62 km			
		Mag : 5.6 (CGS)			

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Date	Station	Phase	h m s
		Kurile Islands region	
		depth about 33 km	
		Mag : 4 .9 (CGS)	
24	Qt	ePZ	19 45 47 .7
		USCGS H 19 35 31 .4	
		33 .9 N 141 .7 E	
		Off coast of Honshu, Japan	
		depth about 73 km	
		Mag : 3 .9 (CGS)	
24	Qt	ePZ	22 22 31 .9
		USCGS H 22 11 38 .2	
		47 .0 N 153 .9 E	
		Kurile Islands	
		depth about 33 km	
		Mag : 4 .8 (CGS)	
25	Qt	ePZ	02 26 56 .0
		USCGS H 02 16 02*	
		46 .7 N 153 .8 E	
		Kurile Islands	
		depth about 33 km	
		Mag : 4 .7 (CGS)	
25	Wr	ePZ	04 29 41 .0
		iSN	31 04 .0
	Lh	ePZ	30 32
	Qt	ePZ	49 ±
		eSE	33 14
		H 04 27 55	
		41 .5 N 70 .9 E	
		Uzbekistan, S.S.R.	
25	Qt	ePKPZ	12 38 51
		USCGS H 12 20 22 .2	
		19 .9 S 176 .2 W	
		Tonga Islands	
		depth about 205 km	
		Mag : 5 .3 (CGS)	
25	Ch	ePZ	18 13 11 .0
	Qt	ePZ	18 15 00 ±
		USCGS H 18 04 11 .2	
		46 .8 N 154 .1 E	
		Kurile Islands	

Date	Station	Phase	h m s
24	Qt	ePZ	14 36 50 .4
		USCGS H 14 25 58 .5	
		46 .8 N 153 .6 E	
		Kurile Islands	
		depth about 33 km	
		Mag : 4 .7 (CGS)	
24	Qt	ePZ	16 45 18 .0
		USCGS H 16 34 29 .2	
		47 .2 N 153 .9 E	
		Kurile Islands	
		depth about 33 km	
		Mag : 5 .0 (CGS)	
24	Lh	ePZ	17 13 00 .5
		eSN*	21 08
	Wr	ePZ	13 03 .0
		iPPZ	12 .0
	Qt	iPZ	40 .0
		eXN*	22 10 .2
		USCGS H 17 02 49 .2	
		47 .1 N 153 .6 E	
		Kurile Islands	
		depth about 33 km	
		Mg : 6½ (Pas),	
		6(Brk).	
		5 .8 (CGS)	
24	Qt	ePZ	17 59 39 .3
		USCGS H 17 48 59 .0	
		45 .1 N 150 .5 E	
		Kurile Islands	
		depth about 33 km	
		Mag : 4 .5 (CGS)	
24	Lh	eP Z	19 00 14 .6
	Qt	iPZ	56 .0 c
		USCGS H 18 50 04 .1	
		47 .0 N 153 .8 E	
		Kurile Islands	
		depth about 33 km	
		Mag : 5 .1 (CGS)	
24	Qt	ePZ	19 06 08 .5 c
		USCGS H 18 55 14 .1	
		46 .9 N 154 .0 E	

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Date	Station	Phase	h	m	s
		depth about 33 km			
		Mag : 4.8 (CGS)			
25	Qt	ePKPZ	19	50	35 ±
	Wr	ePKPZ			47.9
		epPKPZ		51	02.6
		iPKSZ		54	13.6
	Lh	ePKPZ		50	52.5c
		epPKPZ*		51	01
		ePKSZ*		54	27
	Ch	ePKP$_1$Z		51	12.0
		iPKP$_2$Z		52	05
		ePPZ		55	45
		USCGS H 19 31 07.0			
		27.9 S 70.9 W			
		Northern Chile			
		depth about 26 km			
		Mag : 6½ (Pas),			
		6(Brk),			
		6.1 (CGS)			
25	Ch	ePZ	21	37	13.8
		esPZ			25
		eSN		43	22
	Lh	ePZ		39	27.5
		eSN*		47	25
		esSN*			43
	Wr	ePZ		39	48.0
		iSPZ		40	00.6
		esSN		48	19.6
	Qt	ePZ		40	04 ±
		eSE		48	42
		eP′P′Z	22	09	02
		USCGS H 21 29 33.2			
		2.9 N 128.2 E			
		North of Halmahera			
		depth about 22 km			
		Mag : 5.1 (CGS)			
26	Wr	ePZ	06	05	40.1
26	Qt	ePZ	17	36	02 ±
26	Lh	ePZ	18	44	48.2
	Wr	ePZ			48.5
	Qt	ePZ		45	27 ±

Date	Station	Phase	h	m	s
		USCGS H 18 34 34.6			
		46.8 N 153.8 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 5.2 (CGS)			
26	Lh	ePZ	20	33	51
	Wr	ePZ		34	12.0
	Qt	ePZ			32 ±
		USCGS H 20 24 13.9			
		4.1 N 126.4 E			
		Talaud Islands region			
		depth about 33 km			
		Mag : 4.8 (CGS)			
26	Wr	ePZ	20	34	12.0
26	Wr	ePZ	22	17	05.8
27	Qt	ePZ	00	26	42 ±
		USCGS H 00 15 44.7			
		61.5 N 163.9 E			
		Northern Kamchatka			
		depth about 8 km			
		Mag : 4.7 (CGS)			
27	Qt	ePZ	11	11	33.0
		USCGS H 11 01 13*			
		1.9 N 126.3 E			
		Northern Celebes,			
		depth about 67 km			
27	Qt	ePZ	15	44	51.2
		USCGS H 15 34 05.2			
		47.5 N 152.5 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 4.0 (CGS)			
27	Wr	ePZ	16	43	25.3
	Qt	eSZ		44	09.3
	Qt	ePZ			03.5
	H	16 42 27			
27	Qt	ePZ	19	42	06.5
		USCGS H 19 31 15.0			
		46.5 N 153.9 E			
		Kurile Islands			
		depth about 33 km			

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Date	Station	Phase	h	m	s
		Mag : 4 .2 (CGS)			
27	Qt	ePZ	20	01	32 .0
27	Qt	ePZ	22	59	30 .5
27	Lh	ePZ	23	10	48 .6
	Wr	ePZ			48
	Qt	ePZ		11	26 .7
		eSN*		20	17 .0
		Mu Sec			
		MH 8 .2 20			
		△ = 67° .1			
		USCGS H 23 00 36 .3			
		46 .8 N 153 .8 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 5 .3 (CGS), 5 .7 (Qt)			
28	Wr	ePZ	04	52	59 .5
		eSN		53	24 .5
	Qt	ePZ			50 .0
		eSE		55	15 .5
		H 04 52 02			
		Hindukush region			
28	Qt	ePZ	05	03	03 .7
28	Qt	ePZ	06	30	13 .2
		USCGS H 06 19 29 .8			
		45 .4 N 15 .3 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 4 .7 (CGS)			
28	Qt	ePZ	06	56	25 .3
		USCGS H 06 45 46*			
		7 .6 S 127 .3 E			
		Banda Sea			
		depth about 257 km			
		Mag : 4 .9 (CGS)			
28	Qt	ePZ	18	18	50 .6
		USCGS H 18 08 17 .0			
		44 .3 N 148 .8 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 4 .4 (CGS)			
28	Qt	ePZ	18	34	33 .2
		USCGS H 18 24 03 .0			
		46 .5 N 153 .7 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 4 .3 (CGS)			
28	Qt	ePZ	18	54	06 .8
		eSKSN*	19	04	44 .4
		USCGS H18 40 04 .3			
		51 .2 S 139 .0 E			
		About 1000 km South-west of Tasmania			
		depth about 33 km			
		Mag : 5 .3 (CGS)			
28	Ch	ePZ	21	40	52 ±
	Lh	ePZ		44	20 d
		isSN*		49	04
		iSSN*		50	22
	Wr	ePZ		44	50 .9
		ePPZ		45	47 .9
	Qt	ePZ			02 .5
		ePcPE		48	03 .0
		USCGS H 21 38 43 .5			
		14 .3 N 96 .2 E			
		Andaman Islands region			
		depth about 33 km			
		Mag : 5 .5 (CGS)			
28	Ch	ePZ	22	48	50 ±
	Wr	ePZ		52	46 .0
	Qt	ePZ			55 .7
		USCGS H 22 46 34 .0			
		14 .1 N 96 .1 E			
		Andaman Islands region			
		depth about 14 km			
		Mag : 5 .6 (CGS)			
29	Wr	ePZ	02	13	36 .8
		eSN		14	05 .2
	Qt	ePZ			37 .0
		eSE		15	51 .0

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Date	Station	Phase	h	m	s
		H 02 12 59			
		Hindukush region			
29	Qt	ePZ	04	49	41.0
		USCGS H 04 38 59.2			
		4.0 S 128.9 E			
		Banda Sea			
		depth about 159 km			
		Mag : 4.9 (CGS)			
29	Ch	ePZ	13	41	03.2
	Qt	ePZ		45	10.6
		USCGS H 13 38 52.3			
		14.3 N 96.1 E			
		Andaman Islands region			
		depth about 33 km			
29	Wr	ePZ	16	41	58.6
		eSN		42	31.6
	Qt	ePZ		43	16.2
		eSN		44	38.3
		H 16 41 16			
		Hindukush region			
30	Qt	ePZ	00	55	15.5
	Lh	ePZ			29
		eSNE		56	33
	Wr	e(P)Z		55	39.8
		eS		56	55.8
		H 00 54 03			
		West Pakistan			
30	Wr	ePKPZ	05	35	11.2
	Qt	ePKPZ			11.8
		USCGS H 05 16 03.3			
		11.1 N 86.2 W			
		Near west coast of			
		Costa Rica			
		depth about 42 km			
		Mag : $5\frac{3}{4}$—6(Pal),			
		5.7 (CGS)			
30	Qt	ePZ	07	51	23.0
		USCGS H 07 41 25.0			
		35.9 N 139.6 E			
		Near south coast of Honshu,			
		Japan			

Date	Station	Phase	h	m	s
		depth about 101 km			
		Mag : 4.0 (CGS)			
30	Qt	ePZ	13	28	03.7
		USCGS H 13 12 54.3			
		6.0 S 154.4 E			
		Solomon Islands region			
		depth about 79 km			
30	Lh	e(P)Z	22	57	54
		eSN*	23	02	46
	Qt	ePZ	22	58	38.0
		USCGS H 22 52 19.4			
		14.3 N 96.2 E			
		Andaman Islands region			
		depth about 33 km			
31	Wr	ePZ	00	28	09.7
		eSN			46.7
	Qt	ePZ		29	13 ±
		H 00 27 20			
		Hindukush region			
31	Lh	ePZ	04	15	12.5
	Wr	ePZ			15.1
	Qt	ePZ			51.0
		eSN*		24	41.0
		USCGS H 04 05 06.2			
		44.6 N 151.6 E			
		Kurile Islands			
		depth about 53 km			
		Mag : 5.5 (CGS)			
31	Ch	ePZ	06	03	13.0
		ePKPPKPZ		31	43
	Lh	ePZ		04	24
	Wr	ePZ			40.0
		iXZ		05	46.7
	Qt	ePZ		04	51.5
		USCGS H 05 52 18.8			
		6.1 S 149.4 E			
		New Britain			
		depth about 63 km			
		Mag : 5.9 (CGS)			
31	Qt	ePZ	06	31	00 ±

Date	Station	Phase	h	m	s
31	Qt	ePZ	08	41	31.0
31	Lh	ePZ	15	01	19
	Qt	iPZ			58.5 c
		USCGS H 14 51 22.0			
		2.4 N 128.2 E			
		Halmahera			
		depth about 23 km			
		Mag : 4.4 (CGS)			
31	Qt	ePZ	18	55	08.5
31	Qt	ePZ	20	53	04.5
		USCGS H 20 43 19.2			
		47.8 N 147.4 E			
		Sea of Okh-otsk			
		depth about 378 km			
		Mag : 4.8 (CGS)			

Date	Station	Phase	h	m	s
31	Qt	ePZ	21	32	09.0
		USCGS H 21 22 24.3			
		86.4 N 38.5 E			
		Arctic Ocean			
		depth about 33 km			
		Mag : 4.9 (CGS)			
31	Wr	ePZ	23	55	16.4
	Lh	ePZ			32
		eSN*	00	03	23
	Qt	ePZ	23	55	42.0
		eSN	00	03	40.0
		USCGS H 23 45 55.2			
		86.3 N 40.5 E			
		Arctic Ocean			
		depth about 10 km			
		Mag : 4¾—5 (Brk), 5.3 (CGS)			

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Date	Phase	h	m	s
	QUETTA			
4	ePZ	14	01	11.5
	iSN			27.5
5	ePZ	04	36	03.2
	eSN			30.2
5	ePZ	12	43	18.4
5	ePZ	19	38	41.7
5	ePZ	23	43	38.0
	eSNE			45.0
8	ePZ	19	50	51.4
	eSN*		51	12.0
8	ePZ	20	25	35.4
	eSE			52.9
8	ePZ	22	32	37.5
	ePZ	23	18	54.0
	eSN		19	13.5
9	ePZ	03	32	03.0
	eSN			12.5
9	ePZ	08	39	02.3
	eSN			21.0
10	ePZ	18	17	25.4
	eSE*		19	07.0
10	ePZ	22	43	23.5
	eSN			34.1
10	ePZ	23	22	32.5
	eSE			41.0
11	e(P)Z	02	26	03.0±
11	ePZ	19	31	43.0
	iSNE			45.5
11	ePZ	23	35	28.0
	eSE			36.5
12	ePZ	05	15	28.0
	eSE		16	32.5
12	ePZ	13	11	19.2
	eSN			49.1
12	iPZ	23	46	17.0 d
	eSE			39.5
13	ePZ	05	31	13.1
	eSE			32.1
13	ePZ	21	58	07.0
	eSE		59	35.5
15	ePZ	18	46	55.5
	eSE		47	15.0±
15	ePZ	09	38	29.0
	eSE			49.0
15	ePZ	15	11	20.0
	eSE		12	00.0
15	ePZ	16	51	20.2
	eSN			47.5
15	ePZ	17	26	55.5
	eSE		27	06.5
15	ePZ	18	47	02.0
	eSN		48	11.0
15	ePZ	18	54	31.5
	eSN			59.5
15	ePZ	19	42	07.0
15	ePZ	19	53	28.0
	eSN			46.5
15	ePZ	21	43	44.1
	eSE		45	08.4
16	ePZ	10	14	40.6
	eSN		15	21.5
16	ePZ	10	35	11.0
	e(S)N		35	47.0
16	ePZ	17	19	43.7
	ESN		20	11.5
17	iPZ	02	41	17.0 c
	iXN*		12	50.0
	e(S)N*		15	09.0
17	ePZ	14	29	43.0
	eSN			57.0
18	eSN	14	45	33.0
18	ePZ	20	17	40.8
	eSN			52.0
18	ePZ	20	26	03.3
	eSN			13.0
19	ePZ	10	09	17.5
	eSE			29.5
20	ePZ	05	47	37.5
	eSN			46.0

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Date	Phase	h m s
20	ePZ	14 41 02.0
	eSN	04.2
20	ePZ	18 46 33.7
	eSN	47 02.2
21	ePZ	19 02 45.0
	eSE	03 02.5
22	ePZ	13 21 20.5
	eSE	22 01.5
22	ePZ	14 03 33.5
	eSN	40.5
22	iPZ	15 13 23.0 d
	eSE	35.5
22	ePZ	18 14 23.5
23	ePZ	19 04 36.7
	eSE	06 12.6
24	ePZ	11 20 32.0
	eSN	21 07.3
26	ePZ	01 09 40.0
	eSE	10 46.0
27	ePZ	02 40 33 ±
28	ePZ	09 56 03.5
	eSE	35.0
28	ePZ	10 34 32.0±
28	iPZ	14 46 55.5 d
	eSE	47 06.1
28	ePZ	15 09 48.0
28	ePZ	15 40 23.1
	eSN	39.0
28	ePZ	18 25 28.0
	eSE	47.0
28	ePZ	22 15 58.3
	eSN	17 14.6
31	ePZ	12 22 31.0
	eSE	40.0

WARSAK

1	ePZ	02 43 35.3
1	ePZ	16 31 19.0
	eSZ	47.3
2	iPZ	12 21 10.1c
	iSZ	22 01.8
3	ePZ	09 11 30.0
	eSZ	59.0
8	ePZ	05 38 52.5
	eSZ	39 23.0
8	eXZ	06 19 57.5
8	ePZ	12 32 09.8
	eSN	32.0
8	ePN	19 53 18.5
9	iXZ	14 27 49.6
9	ePZ	15 03 55.4
	eSN	04 27.0
10	ePZ	02 58 13.0
10	ePZ	03 56 46.0
	eSZ	57 14.4
10	iXZ	05 46 46.0
10	ePZ	12 08 59.5
	eSZ	10 07.0
10	ePZ	16 43 48.5
	eSZ	44 19.0
13	ePZ	16 08 19.2
	eSZ	57.8
13	ePZ	19 06 10.8
	eSN	10 03.9
15	e(P)Z	19 41 23.0
	eSZ	42 04.4
15	ePZ	21 57 04.3
	eSN	58 11.0
16	ePZ	10 14 45.9
16	ePZ	17 13 24.2
	eSZ	53.7
17	ePZ	02 26 54.6
	eSZ	56.3
18	iPZ	14 43 10.0
	iSZ	30.6
20	ePZ	14 15 36.7
20	ePZ	16 12 03.2
22	ePZ	00 13 05.0
22	ePZ	03 34 24.9
22	ePZ	04 59 47.5

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Date	Phase	h	m	s
	eSN	05	00	20.5
22	ePZ	09	18	36.5
	eSN			58.5
23	iSZ	18	19	35.0
23	ePZ	19	02	30.0
	eSZ		03	19.5
23	iXZ	19	20	14.5
24	ePZ	07	45	27.7
	eSZ		46	00.7
24	ePZ	12	35	31.0
	iXZ			40.0
	iXN		43	52.0
25	ePZ	03	18	40.5
	iSZ		19	13.0
25	ePZ	15	43	39.9
	eSZ		44	20.5
26	ePZ	08	16	05.6
	eSZ			32.1
26	ePZ	14	43	07.5
	eSZ			34.0
27	ePZ	01	16	07.0
	eSZ			35.5
29	ePZ	00	14	55.9
	eSZ		15	23.1
29	ePZ	00	58	01.7
	eSN			29.0
29	ePZ	01	40	53.4
	eSZ		41	25.3
29	e(P)Z	18	58	36.3
	iXZ		59	25.9
	iXZ			37.0
30	ePZ	03	21	40.0
	eSZ		22	26.0
31	ePZ	01	57	31.5
	eSN			58.1
31	ePZ	20	49	05.1
	eSZ			30.0
31	ePZ	20	59	53.6
	LAHORE			
1	ePZ	02	43	58.0
	eSZ		45	16.0
1	ePZ	23	08	49.5
15	ePZ	07	58	05.5
18	ePZ	20	34	40.0
	eSZ		35	01.6
28	iXZ	18	57	17.0
	eSN*	19	04	25.0
28	eXN	22	16	37.5
	KARACHI			
8	ePE	19	51	39.6
	eSE		52	28.8
9	iXE	17	04	20.0
	eXE		05	37.0
	CHITTAGONG			
1	eXZ	02	52	51
1	eXZ	13	43	25
1	eXZ	20	33	37
1	eXZ	20	41	56
2	eXZ	12	48	15
2	eXZ	17	20	54
2	eXZ	17	38	16
3	eXZ	01	30	03
5	eXZ	19	33	28
5	ePZ	23	48	16.8
6	eXN	02	34	30
7	eXZ	21	19	05
9	ePZ	22	41	22.0
11	eXZ	01	47	54
11	eXZ	15	44	17
11	eXZ	20	38	20
12	eXN	17	08	30
12	eXN	17	49	12
12	eXN	20	09	00
13	eXN	07	10	01
13	eXN	11	12	25
13	eXN	12	15	46
13	eXN	20	00	43
14	ePZ	01	45	34.0
14	eXZ	14	10	00
17	eXZ	21	12	28

Date	Phase	h	m	s	
18	ePZ	22	37	14	±
	iSN			35.5	
19	eXZ	09	30	26	
19	eXZ	20	35	18	
20	eXZ	01	18	51	
20	ePZ	04	40	42	±
21	eXZ	04	03	07	
21	eXZ	11	55	42	
21	eXZ	19	59	45	
23	ePZ	14	31	41.2	

Date	Phase	h	m	s
25	ePZ	02	25	13.4
25	ePZ	09	04	12.3
	eSZ			53.4
26	eXZ	10	23	13
26	eXZ	11	56	52
30	eXZ	03	20	48
30	ePKPZ	05	35	43.6
30	eXZ	16	42	31
30	eXZ	22	55	14
31	eXZ	04	16	17

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Date	Station	Phase	h m s
1	Wr	ePZ	00 47 53·1
		eSN	48 26.6
	Qt	ePZ	26·6
		eSE	50 09·5
	USCGS H 00 47 08		
	36·7 N 70·3 E		
	Hindukush region		
	depth about 149 km		
1	Qt	ePZ	04 06 25±
1	Qt	ePZ	10 04 09·0
	USCGS H 09 52 51·3		
	5·5 S 131·4 E		
	Banda Sea		
	depth about 33 km		
	Mag : 4·6 (CGS)		
1	Qt	ePZ	14 14 17·5
	Wr	ePZ	30·2
1	Qt	ePZ	17 57 09·5
1	Qt	iPZ	20 06 05·5d
		eSN	51·5
	Kr	ePE	24·2
		eSE	07 21·8
	Wr	ePZ	20 07 19·3
	Lh	ePZ	21·6
		eSZ	08 50·0
	H 20 05 10		
	28·5 N 63·3 E		
	Baluchistan,		
	West Pakistan		
	depth about 33 km		
1	Qt	ePZ	20 17 13·5
1	Qt	ePZ	20 33 02·0
1	Qt	ePZ	20 55 23·0
		eSN	48·0
	Wr	ePZ	56 13·1
1	Qt	ePZ	21 42 20·5
		eSN*	49 52·0
	Mu Sec		
	MH 1·7 20		
	△ = 53°·9		
	Mag : 5·6 (Qt)		
	Lh	ePZ	21 42 34·0
	USCGS H 21 33 28*		
	19·9 S 66·4 E		
	Mascarene Islands region		
	depth about 33 km		
1	Qt	ePZ	21 50 32·7
	Lh	ePZ	45·0
2	Qt	ePZ	00 26 41·5
	USCGS H 00 15 34·5		
	52·9 N 162·3 E		
	Near east coast of		
	Kamchatka		
	depth about 33 km		
	Mag : 5·0 (CGS)		
2	Qt	ePZ	03 16 58·5
	USCGS H 03 04 16·9		
	56·1 N 156·1 W		
	Alaska aftershock		
	depth about 33 km		
	Mag : 5·6 (CGS)		
2	Qt	ePZ	03 20 04·5
2	Ch	ePZ	07 10 33 ±
	Qt	ePZ	13 39·5
	USCGS H 07 03 11·4		
	3·8 S 123·2 E		
	Celebes		
	depth about 37 km		
	Mag : 5·4 (CGS)		
2	Lh	ePZ	08 48 51
		eSN*	59 17
	Qt	ePZ	49 09·2
		eSE*	59 54·0
	USCGS H 08 36 16·9		
	56·2 N 149·9 W		
	Alaska aftershock		
	depth about 31 km		
	Mag : 6(Pas),		
	5¼(Pal),		
	5·4 (CGS).		

Date	Station	Phase	h	m	s
2	Qt	ePZ	17	35	57·0
2	Qt	ePZ	21	00	19·0
2	Wr	iPZ	23	44	58·8
		iSZ		45	32·3
	Qt	ePZ			52·6
		H 23 44 15			
		Hindukush region.			
3	Ch	iPZ	07	50	28·5c
		epPZ			38
		esPZ			43
		eSN		55	02
	Lh	ePZ		52	38
		eSE*		58	52
	Wr	ePZ		52	59·4
	Qt	ePZ		53	·30·3c
		eSE*	08	00	40·0
		Mu Sec			
		MH 8·5 20			
		△ = 50°·4			
		USCGS H 07 44 44·3			
		22·6 N 121·3 E			
		Near coast of Taiwan			
		depth about 33 km			
		Mag : 5·4 (CGS),			
		5·9 (Qt.)			
3	Wr	ePZ	10	25	45·5
		eSN		26	39·6
	Qt	ePZ			55·5
		eSN		28	41·2
		H 10 24 39			
3	Qt	ePZ	10	51	02·0
3	Wr	iPZ	11	35	04·4
		iSN			14·9
	Qt	ePZ		36	11·5
		eSE		37	14·6
		H 11 34 50			
3	Ch	ePZ	17	15	44 ±
	Qt	ePZ		18	35·5
		USCGS H 17 08 11·2			
		8·3 S 118·7 E			
		Sumbawa Islands region			
		depth about 33 km			
4	Qt	ePZ	03	48	32·5
		USCGS H 03 36 42·0			
		2·5 S 139·8 E			
	—	Near north coast of			
		Western New Guinea			
		depth about 33 km			
		Mag : 5·7 (CGS)			
4	Qt	ePZ	14	42	50·8
		eXZ		43	49·0
4	Ch	iPZ	17	33	42·0
		ipPZ		34	03
		eSN		41	06
	Lh	ePZ		34	23·4d
		eSN*		42	23
	Wr	eSSE		44	03
		cPZ		34	26.6
	Qt	ePZ		35	02.2
		eSE*		43	40.0
		Mu Sec			
		MH 4.9 20			
		△ = 65°.0			
		USCGS H 17 24 29.2			
		46.5 N 151.1 E			
		Kurile Islands			
		depth about 101 km			
		Mag: 5½-5¾ (Brk)			
		5.9 (CGS),			
		5.9 (Qt)			
4	Qt	ePZ	18	03	43.0
4	Qt	ePZ	23	38	05.6
5	Wr	ePZ	04	33	25.0
	Qt	ePZ			57.2
5	Qt	ePZ	09	07	04.1
5	Qt	ePZ	10	58	35.7
5	Lh	ePKPZ	11	24	22 c
	Wr	ePKPZ			27.7
	Qt	iPKPZ			33.5c
		USCGS H 11 06 02.6			
		32.1 S 179.8 E			

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Date	Station	Phase	h	m	s
		South of Kermadec Islands			
		Mag : 6¾ (Pas),			
		5½ (Brk),			
		5.8 (CGS)			
5	Kr	ePKPZ	22	42	47.6
		ePPZ		46	10.0
	Qt	ePKPZ		42	52.5
		iPKPZ			53.8d
	Wr	ePKPZ		43	01.0
	Lh	ePKPZ			02.06d
		USCGS H 22 23 13.0			
		41.1 S 74.9 W			
		Off coast of Southern Chile			
		depth about 33 km			
6	Wr	ePZ	00	29	00.8
		eSN			33.8
	Qt	ePZ		30	06.0
		eSN		31	29.5
		H 00 28 17			
		Hindukush region			
6	Wr	ePZ	02	42	05.0
	Qt	ePZ			39.5
		USCGS H 02 33 39.5			
		31.5 N 129.9 E			
		Southwest of Kyushu, Japan			
		depth about 197 km			
		Mag : 5.5 (CGS)			
6	Qt	iPZ	09	22	35.0d
6	Qt	ePZ	12	17	18.3
6	Qt	ePZ	13	53	33 ±
		USCGS H 13 41 36.5			
		4.2 S 140.5 E			
		West New Guinea			
		depth about 50 km			
6	Qt	ePZ	16	58	00 ±
6	Wr	ePZ	18	37	06.2
	Lh	ePZ			14
		eSN*		47	36
	Ch	ePZ			29 ±
	Qt	ePZ			32.2
		ePPZ	40	54.5	
		eSKSN*	48	00.0	
		eSN*			12.0
		ePSN*	49	28.0	
		Mu Sec			
		MH 8.2 20			
		△ = 88°.1			
		USCGS H 18 24 50.5			
		56.9 N 152.1 W			
		Alaska aftershock			
		depth about 39 km			
		Mag : 5.6 (CGS),			
		6.2 (Qt)			
7	Qt	ePZ	06	24	16.5
		USCGS H 07 08 07			
		54.4 N 164.4 W			
		Unimak Islands region			
		depth about 33 km			
		Mag : 4.6 (CGS),			
7	Qt	ePZ	08	15	07.5
		USCGS H 08 04 58.9			
		37.5 N 141.3 E			
		Near east coast of Honshu, Japan			
		Mag : 4.5 (CGS)			
7	Wr	ePZ	19	37	46.7
		eSN			56.2
	Lh	ePZ		38	32.6
		eSN		39	19.2
	Qt	ePZ		39	08.5
		eSN		40	17.0
		H 19 37 35			
		34.7 N 71.9 E			
		West Pakistan.			
7	Wr	ePZ	22	23	15.5
		eSN			47.3

Date	Station	Phase	h	m	s
			24	13.1	
	Qt	ePZ	25	31.5	
		eSN			
		H 22 22 34			
		Hindukush region			
			07	28	55.1
8	Wr	iPZ			59.8
	Lh	ePZ			01.0
	Qt	ePZ			
		eSE	30	02.0	
		H 07 27 45.1			
		West Pakistan			
			14	53	32.2
8	Wr	ePZ			33.1
	Lh	ePZ			
	Qt	ePZ	54	41.5	
		USCGS H 14 50 32.2			
		42.1 N 83.7 E			
		Northern Sinkiang			
		Province, China			
		depth about 33 km			
		Mag : 4.7 (CGS)			
8	Lh	ePZ	15	09	03.1
		ePcPZ	10	03	
	Wr	ePZ	09	15.2	
	Qt	eP Z			48.5
		USCGS H 14 59 41.2			
		31.7 N 140.2 E			
		South of Honshu,			
		Japan			
		depth about 110 km			
		Mag : 5.7 (CGS)			
8	Qt	ePKPZ	16	04	17.9
		USCGS H 15 45 10.9			
		12.5 W 87.8 W			
		Off coaat of Nicaragua			
		depth about 33 km			
		Mag: 5.8 (CGS)			
8	Qt	iPZ	16	07	36.5d
9	Wr	ePZ	05	01	34.3
		eSN		02	05.2
	Qt	ePZ			23.0
		H 05 00 52			
		Hindukush region.			
		ePZ	08	16	14±
9	Qt	ePZ	20	16	20.1
9	Lh	ePZ			42.2
	Wr	ePZ			57.0
	Qt	ePZ			
		USCGS H 20 06 36.9			
		0.3 S 125.1 E			
		Molucca Sea.			
		depth about 59 km			
		Mag: 5.0 (CGS)			
		ePZ	12	29	34.2
10	Qt	ePZ	18	01	59.6 c
10	Lh	ePZ		02	02.6
	Wr	ePZ			39.3
	Qt	ePZ			
		USCGS H 17 52 02.5			
		45.1 N 149.9 E			
		Kurile Islands			
		depth about 40 km			
		Mag : 5.3 (CGS)			
10	Qt	ePZ	18	20	35.0
		eSN*		22	10.0
		Mu Sec			
		PZ 0.04 0.7			
		△ = 8°.5			
	Wr	ePZ	18	21	49.2
		USCGS H 18 18 35.6			
		30.3 N 57.7 E			
		Iran			
		depth about 13 km			
		Mag : 4.5 (CGS),			
		4.8 (Qt)			
10	Lh	ePZ	20	26	49 c
	Qt	ePZ		27	28.6
		USCGS H 20 16 55.8			
		44.6 N 148.8 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 4.8 (CGS).			
10	Qt	ePZ	21	53	03.5
		USCGS H 21 40 10.4			

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Date	Station	Phase	h	m	s
		6.2 S 154.5 E			
		Solomon Islands			
		depth about 105 km			
		Mag : 5.7 (CGS)			
11	Qt	ePZ	03	00	17.5
11	Qt	ePZ	13	42	33.0
		USCGS H 13 35 14*			
		6.3 N 97.3 E			
		Nicobar Island region			
		depth about 33 km			
		Mag : 5.1 (CGS)			
11	Qt	ePZ	21	58	48.5
		USCGS H 21 42 20* ..			
		10.2 S 160.8 E			
		Solomon Islands			
		depth about 168 km			
		Mag : 4.9 (CGS).			
12	Qt	ePZ	01	53	20.5
12	Qt	ePZ	02	36	43.5
		eSN		38	29.5
		USCGS H 02 34 24			
		27.2 N 56.4 E			
		Southern Iran			
		depth about 44 km			
		Mag: 4.7 (CGS).			
12	Lh	ePZ	07	01	47
	Wr	ePZ			47.9
	Qt	ePZ	02	23	6
		USCGS H 06 51 49.9			
		48.9 N 153.7 E			
		Kurile Islands			
		depth about 127 km			
		Mag : 5.7 (CGS)			
12	Wr	ePZ	09	22	36.9
		iSN		23	10.0
	Qt	ePZ			37.5
		eSN		24	57.5
		H 09 21 57			
		Hindukush region.			
12	Wr	iPZ	18	17	40.1
		iSN		18	13.0
	Lh	ePZ		18	22.6
		eSN		19	25
	Qt	ePZ			35.0
		eSN		19	52.0
		H 18 16 58			
		36.3 N 70.4 E			
		Hindukush region			
		depth about 220 km			
12	Qt	ePZ	19	29	56.0
		eSN*		32	46.0
	Wr	ePZ		30	41.9
	Lh	ePZ		31	09.5 c
		eSN*		35	02
		USCGS H 19 26 26.1			
		31.0 N 49.8 E			
		Western Iran			
		depth about 33 km			
		Mag: 5.1 (CGS)			
13	Ch	iPZ	00	41	30.5 d
		ePcPZ			56
		epPZ		42	56
		eSN		49	54
		ePKPPKPZ	01	09	49
	Lh	iPZ	00	43	05 d
	Wr	ePZ			17.8
	Qt	ePZ			33.5
		USCGS H 00 31 14.1			
		5.4 S 154.3 E			
		Solomon Islands			
		depth about 38 km			
		Mag : 6.0 (CGS).			
13	Qt	ePZ	01	01	00±
13	Ch	ePZ	04	36	46.3
	Lh	ePZ		38	53.1
	Wr	ePZ		39	13.8
		eSN		48	02.6
	Qt	ePZ		39	26.4
		eSN		48	27.5
		USCGS H 04 28 23.2			

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Date	Station	Phase	h	m	s
		6.0 S 130.4 E			
		Banda Sea			
		depth about 127 km			
		Mag: 5.0 (CGS)			
13	Qt	ePZ	10	21	49.7
		eSE		22	26.5
	Wr	ePZ			25.5
13	Qt	ePZ	15	33	40.2
13	Wr	ePZ	15	39	01.7
		eSN			30.2
	Qt	ePZ		40	03.0
		eSE		41	21.0
		H 15 38 24			
		Hindukush region			
13	Qt	ePZ	18	39	15.5
13	Qt	ePZ	23	14	26.5
14	Wr	ePZ	07	19	41.3
	Qt	ePZ			51.0
		USCGS H 07 08 55.9			
		9.8 S 123.8 E			
		Timor			
		depth about 33 km			
15	Wr	ePZ	03	43	41.7
	Qt	ePZ			43.5
15	Qt	ePZ	11	33	18.2
16	Qt	ePZ	11	50	51.9
16	Qt	ePZ	15	55	46±
		USCGS H 15 52 38.7			
		27.8 N 53.0 E			
		South Iran			
		depth about 31 km			
16	Qt	ePZ	21	32	25±
	Wr	ePZ			40.0
	Lh	ePZ		33	16.1
		USCGS H 21 28 49.7			
		39.7 N 52.6 E			
		Caspian Sea			
		depth about 33 km			
		Mag. 4.8 (CGS)			
17	Qt	ePZ	00	24	36±
	Wr	ePZ			57.8
		USCGS H 00 17 40.0			
		35.0 N 26.0 E			
		Crete			
		depth about 18 km			
		Mag: 4.8 (CGS)			
17	Lh	ePZ	12	01	25
	Wr	ePZ			25.8
	Qt	ePZ	02	04.2	
		USCGS H 11 51 19.3			
		46.3 N 151.9 E			
		Kurile Islands			
		depth about 33 km			
		Mag: 4.7 (CGS)			
17	Qt	ePZ	12	10	02.2
17	Wr	ePZ	12	12	45.2
		eSN		13	14.5
	Lh	ePZ			25
		eSN		14	24
	Qt	ePZ		13	49.0
		eSN		15	09.5
		Mu Sec			
		PZ 0.02 0.9			
		△ = 7°.1			
		H 12 12 05			
		36.1 N 71°.0 E			
		Hindukush region			
		depth about 220 km			
		Mag: 4.4 (Qt)			
17	Ch	ePZ	14	43	38±
		iSN		44	06
	Wr	ePZ		47	36.2
	Qt	ePZ		48	03.9
		USCGS H 14 42 56.6			
		24.2 N 94.0 E			
		Burma-India border region			
		depth about 184 km			
		Mag: 4.7 (CGS)			
17	Lh	ePZ	15	03	28

Date	Station	Phase	h	m	s
	Wr	ePZ			33.8
	Qt	ePZ		04	10.5
		USCGS H 14 54 01.4			
		42.6 N 142.8 E			
		Hokkaido, Japan region			
		depth about 33 km			
		Mag: 5.1 (CGS)			
17	Wr	ePZ	15	24	32.4
	Qt	ePZ			46.4
		USCGS H 15 15 18.0			
		72.2 N 1.7 E			
		Norwegian Sea			
		depth about 33 km			
		Mag: 5.4 (CGS)			
17	Qt	ePZ	16	50	45.0
		iPPZ			58.0
		USCGS H 16 38 44.4			
		51.5 N 177.8 E			
		Rat Islands, Aleutian Islands			
		depth about 42 km			
		Mag: $4\frac{3}{4}$ (Brk), 5.4 (CGS)			
17	Qt	ePZ	17	18	54.5
17	Qt	ePZ	21	54	22.5
		USCGS H 21 41 46			
		51.7 N 167.7 W			
		Fox Islands, Aleutian Islands			
		depth about 33 km			
		Mag: 4.9 (CGS)			
17	Qt	ePZ	22	58	48.5
		USCGS H 22 47 32.4			
		52.1 N 30.1 W			
		North Atlantic Ridge			
		depth about 36 km			
		Mag: 5.1 (CGS)			
18	Qt	ePZ	00	45	59.8
18	Qt	ePKPZ	05	04	32.4c
		ePPZ*	07	57	0
	Wr	ePKPZ	04	43.5	
	Lh	iPKPZ	04	46c	
	Ch	ePKPZ	05	06.3c	
		isPKPZ		15	
		ePPZ	09	49	
		USCGS H 04 44 58.0			
		26.4 S 71.5W			
		Off coast of Northern Chile			
		depth about 8 km			
		Mag: 6.4 (CGS)			
18	Qt	ePZ	11	15	50.0c
	Wr	iPZ		16	27.0
		USCGS H 11 09 43.4			
		0.5 N 67.2 E			
		Carlsberg Ridge			
		depth about 33 km			
		Mag: 5.1 (CGS)			
18	Wr	ePZ	11	51	36.0
	Qt	ePZ			50.0
18	Qt	ePZ	15	31	44.0
	Wr	iPZ		32	30.3
		USCGS H 15 26 11.4			
		5.7 N 58.0 E			
		Carlsberg Ridge			
		depth about 33 km			
		Mag: 5.4 (CGS)			
18	Qt	ePZ	17	55	14.0
18	Wr	ePZ	19	50	18.0
		eSN			53.0
	Qt	ePZ		51	18.5
		H 19 49 29			
		Hindukush region			
19	Qt	ePZ	09	36	07.0
		eSSN*		38	14.0
	Wr	ePZ		37	06.6
	Lh	ePZ			29.1
		eSN*E*		41	02
		USCGS H 09 33 10.0			

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Date	Station	Phase	h	m	s	
		28.2 N 52.6 E				
		Southern Iran				
		depth about 50 km				
		Mag: 5.6 (CGS)				
19	Qt	ePZ	15	23	13.5	d
		eXN*		25	25.0	
	Wr	ePZ		24	11.0	
	Lh	ePZ		24	33.2	
		eSN*E*		28	04	
	Ch	ePZ		27	10	±
		USCGS H 15 20 13.9				
		28.2 N 52.7 E				
		Southern Iran				
		depth about 52 km				
		Mag: 5.6 (CGS)				
19	Wr	ePZ	16	36	14.5	
		eSN			49.5	
	Qt	ePZ		37	13.2	c
		eSE		38	34.4	
		H 16 35 28				
		Hindukush region				
19	Qt	ePZ	19	08	40.5	
19	Qt	ePZ	20	29	54	±
		USCGS H 20 17 02.5				
		5.7 S 152.8 E				
		Near New Britain region				
		depth about 55 km				
		Mag: 4.5 (CGS)				
19	Qt	ePZ	21	42	54.5	
19	Qt	ePZ	22	43	15.5	
		eSN*		45	28.0	
	Wr	ePZ		44	14.6	
	Lh	ePZ			37.4	
		eSE*		48	15	
		USCGS H 22 40 17.9				
		28.4 N 52.7 E				
		Southern Iran				
		depth about 58 km				
20	Qt	ePZ	02	17	42.4	
		USCGS H 17 08 15.8				
		72.1 N 1.4 E				
		Norwegian Sea				
		depth about 33 km				
		Mag: 5.1 (CGS)				
20	Qt	ePZ	03	53	51.0	
20	Qt	ePZ	04	06	52.4	
20	Qt	ePZ	04	25	06.0	
		USCGS H 04 18 01*				
		4.1 N 95.4 E				
		Northern Sumatra				
		depth about 93 km				
29	Qt	ePZ	05	11	49.0	
		eSN*		13	56.0	
	Wr	ePZ		12	48.8	
	Lh	ePZ		13	09.8	
		USCGS H 05 08 50.3				
		28.1 N 52.6 E				
		Southern Iran				
		depth about 47 km				
		Mag: 5. 1 (CGS)				
20	Qt	ePZ	05	42	45.0	
		e(S)E*		44	33.0	
	Wr	iPZ		43	44.8	
	Lh	ePZ		44	07.2	
		ePZ		47	44	
		USCGS H 05 39 57.7				
		28.2 N 52.6 E				
		Southern Iran				
		depth about 52 km				
		Mag: 5.5 (CGS)				
20	Wr	ePZ	10	17	01.3	
		eSN			34.4	
	Qt	ePZ		18	03.0	
		eSE		19	24.5	
		H 10 16 17				
		Hindukush region				
20	Qt	ePZ	12	59	47.0	
		eSN*	13	08	50.0	
	Wr	ePZ		00	05.0	

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Date	Station	Phase	h	m	s
20	Wr	ePZ	17	40	41.5
	Qt	ePZ			59.5
		USCGS H 17 30 42.3			
		30 N 128.3 E			
		Halmahera			
		depth about 178 km			
		Mag : 4.8 (CGS)			
20	Qt	ePZ	19	34	37.0
20	Qt	ePZ	22	57	42.5
		e(S)E*	23	04	20.0
	Wr	ePZ	22	58	41.8
21	Wr	iPZ	01	20	16.3
		iSN			37.3
	Lh	iPZ			43
		iSN	21	23	
	Qt	ePZ			29.6
		eSN	22	50.0	
		H 01 19 47			
		35.0 N 73.1 E			
		Hindukush region			
		depth about 130 km			
21	Qt	ePZ	05	04	28±
21	Qt	ePZ	06	37	46 5
		USCGS H 06 24 16*			
		55.0 N 158.2 W			
		Alaska Peninsula			
		depth about 33 km			
		Mag: 4.4 (CGS)			
21	Qt	ePZ	08	02	14.5
		eSSN*		04	43.0
	Wr	ePZ		03	13.8
		USCGS H 07 59 17.0			
		28.3 N 52.5 E			
		Southern Iran			
		depth about 54 km			
		Mag: 4.9 (CGS)			
21	Wr	iPZ	11	12	22.1
		iSZ			52.9
	Qt	ePZ		13	27.1
		eSE		14	56.5

Date	Station	Phase	h	m	s
		Mu Sec			
		PZ = 0.02 0·5			
		△=7°·9			
		H 11 11 36			
		Hindukush region			
		Mag: 4.6 (Qt)			
21	Qt	ePZ	16	28	47.5
	Wr	ePZ		29	21.2
22	Qt	ePZ	16	54	19.5
	Wr	ePZ			34.2
21	Qt	iPZ	17	07	42.5d
21	Qt	ePZ	19	16	55.0
21	Qt	ePZ	23	22	20.0
22	Lh	ePZ	00	08	33
	Wr	ePZ			57.4
	Qt	ePZ		09	00.0
22	Qt	ePZ	01	18	17.0
		USCGS H 01 07 51			
		1.5 N 126.2 E			
		Molucca Passage			
		depth about 33 km			
22	Qt	ePZ	02	29	05.5
	Wr	ePZ			57.7
22	Qt	ePZ	11	52	11±
22	Qt	ePZ	17	15	47.5
22	Wr	ePZ	18	35	08 4
		iSZ			43 2
	Qt	ePZ		36	12±
		eSE		37	32 2
		H 18 34 01			
		Hindukush reiogn.			
23	Qt	ePZ	01	48	02±
23	Qt	ePZ	09	46	57.0
23	Lh	ePZ	15	36	11.6
	Wr	ePZ			28.7
	Qt	ePZ			40.6
		eSN*		46	40.0
		Mu Sec			
		MH 5.1 20			
		△ = 58°.6			

Date	Station	Phase	h	m	s
		Mag : 6.0 (Qt)			
23	Qt	ePZ	16	49	03.0
24	Wr	iPZ	06	20	48.0
		iSN		21	25.6
	Qt	ePZ			52.7
		eSN	23	20	20.5
		H 06 19 58			
		Hindukush region.			
24	Qt	ePZ	10	59	43.0
24	Qt	ePZ	17	14	18.5
24	Ch	ePZ	17	33	28.4
	Lh	ePZ			35 43.0
	Wr	iPZ			36 06.5
		eSN			44 01.2
	Qt	ePZ			36.20.0
		eSN			44 33.3
24	Qt	ePZ	20	03	08.2
		USCGS H 19 53 59.7			
		12.9 N 120.3 E			
		Mindanao, Philippine			
		Islands.			
		depth about 33 km			
		Mag : 5.0 (CGS)			
24	Qt	ePZ	20	09	33.1
24	Lh	ePZ	22	09	18.0
	Qt	ePZ			35.0
		eSN*		20	11.0
		Mu Sec			
		MH 2.9 g0			
		$\triangle = 87°.3$			
		USCGS H 21 56 54.2			
		58.4 N 150.3 W			
		Gulf of Alaska			
		depth about 22 km			
		Mag : 5.8 (CGS)			
		6.0 (Qt)			
25	Qt	ePZ	03	58	23.0
25	Qt	ePZ	08	05	28.5
25	Qt	ePZ	11	18	17.4
	Wr	ePZ			38.0
		ePZ	11	49	27.8
25	Qt	ePZ			51.9
	Wr	ePZ			
		USCGS H 11 42 59.9			
		35.4 N 28.9 E			
		Eastern Mediterranean			
		Sea.			
		depth about 43 km			
		Mag : 4.5 (CGS)			
25	Wr	ePZ	12	51	26.8
		eSN		52	00.4
		ePZ			27 ±
	Qt	eSE		53	51.0
		H 12 50 43			
		Hindukush region.			
25	Wr	ePZ	13	56	07.3
		eSN	14	03	19.7
	Qt	iPF	13	56	44.1d
		eSE*	14	04	20.0
	Ch	ePZ	13	57	13.6
		epPZ			31
		ePPZ		59	25
		eSNE	14	05	14
		ePKPPKPZ		27	01
		USCGS H 13 47 20.6			
		East of Soveranaya			
		Zemlya			
		depth about 50 km			
25	Qt	ePZ	14	44	20.0
	Wr	ePZ			23.5
		USCGS H 14 37 32.5			
		35.7 N 29.1 E			
		Eastern Mediterranean			
		Sea			
		depth about 24 km			
		Mag: 4.8 (CGS)			
26	Wr	ePZ	03	29	56.6
	Qt	ePZ			59.8
		USCGS H 03 18 44.1			
		52.1 N 30.1 W			
		North-Atlantic Ridge			

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Date	Station	Phase	h	m	s
		depth about 33 km			
		Mag: 5.4 (CGS)			
26	Wr	ePZ	50	02	24.2
	Qt	ePZ			52.5
26	Ch	ePZ	05	49	05.6
	Lh	ePZ			45±
	Wr	iPZ			48.5
		eSN		57	25.4
	Qt	ePZ		50	25.3
		eSN		58	35.0
		Mu. Sec			
		PZ 0.2 1.5			
		△ = 60°.2			
		USCGS H 05 40 27.1			
		47.2 N 148.4 E			
		Northwest of Kurile Islands.			
		depth about 308 km			
26	Wr	ePZ	21	19	43.0
		eSN		20	09.0
	Qt	ePZ		20	42.5
		eSE		21	54.1
		H 21 18 55			
		Hindukush region			
26	Qt	ePZ	23	57	47.5
27	Wr	ePZ	01	44	54.0
	Qt	ePZ		45	21.5
		USCGS H 01 34 26.7			
		23.7 N 143.6 E			
		Volcano Islands region			
		depth about 39 km			
		Mag: 3.1 (CGS)			
27	Wr	ePZ	04	56	22.3
	Qt	ePZ			36.5
		USCGS H 04 45 02.6			
		5.6 S 133.9 E			
		Aru Islands region			
		depth about 9 km			
		Mag: 5.1 (CGS)			

Date	Station	Phase	h	m	s
27	Qt	ePZ	06	27	16.2
27	Qt	ePKPZ	08	12	56±
		USCGS H 07 53 54.8			
		17.5 S 173.0 W			
		Tonga Islands			
		depth about 33km			
		Mag: 5.3 (CGS)			
27	Qt	ePZ	10	29	39.5
		eSN*		30	13.0
	Wr	ePZ			18.3
27	Qt	ePZ	12	01	01.5
	Wr	ePZ		02	04.6
27	Qt	ePZ	12	59	14.4
		e(S)N*	13	00	00.0
	Lh	ePZ*			17.0
	Wr	ePZ			18.3
		West Pakistan.			
27	Qt	ePZ	13	24	52.8
27	Ch	ePZ	15	43	18±
	Wr	ePZ		45	43.2
	Qt	ePZ			43.9
27	Qt	ePZ	19	38	26.4
		eSN*		43	44.0
	Wr	ePZ		38	48.1
	Lh	ePZ*		39	15.0
		eSN*		45	06.0
		USCGS H 19 31 56.9			
		35· 5. N 28.7 E			
		Eastern Mediterranean Sea.			
		depth about 39 km			
		Mag: 4.7 (CGS)			
27	Qt	ePZ	23	49	23.0
28	Qt	ePZ	04	33	18±
28	Qt	ePZ	11	54	19±
28	Ch	ePZ	13	25	00±
		eSNE		27	50
	Lh	ePZ			32.6
	Wr	iPZ		28	04.4±
	Qt	ePZ			08

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Date	Station	Phase	h m s
		USCGS H 13 22 05*	
		7.6 N 95.6 E	
		Nicobar Islands region	
		depth about 33 km	
		Mag: 5.2 (CGS)	
28	Qt	ePZ	15 10 37±
28	Qt	ePZ	15 47 57±
28	Qt	ePZ	18 25 45±
		USCGS H 18 17 03.2	
		23.5 N 120.6 E	
		Taiwan	
		depth about 10 km	
		Mag: 5.2 (CGS)	
29	Wr	ePZ	00 48 58 .5
	Qt	ePZ	49 57±
		eSE	51 17 .5
		H 00 48 14	
		Hindukush region	
29	Qt	ePZ	01 55 52 .3
29	Qt	ePZ	05 30 02 .0
		USCGS H 05 20 19.8	
		71.6 N 3.7 W	
		Jan Mayen	
		Island region	
		depth about 33 km	
		Mag: 4·7 (CGS)	
29	Qt	ePZ	14 03 44 .9
29	Qt	ePZ	19 44 24 .3
	Wr	ePZ	46 .9
		USCGS H 19 37 56.0	
		35.2 N 28.6 E	
		Eastern Mediterranean Sea	
		depth about 63 km	
		Mag: 4.7 (CGS)	
29	Qt	ePZ	21 23 56 .5
30	Lh	ePZ	02 38 08.0
		ePZ	40 26 .0
	Wr	ePZ	38 48 .1
	Qt	ePZ	39 31 .8
		eXN*	42 49.0
		USCGS H 02 35 08*	
		27.6 N 88.3 E	
		Sikkim	
		depth about 21 km	
		Mag: 5.2 (CGS)	
30	Wr	ePZ	05 16 15 .7
	Qt	ePZ	54 .6
30	Wr	ePZ	08 59 34 .5
	Qt	ePZ	45 .5
		USCGS H 08 47 34.7	
		5.0 S 144.5 E	
		New Guinea	
		depth about 93 km	
		Mag: 5.8 (CGS)	
30	Qt	ePZ	11 29 01 .8
30	Wr	iPZ	13 32 02 .2
		iSZ	27 .7
	Lh	eSZ	33 48 .4
	Qt	ePZ	32 .53 .2 c
		eSN	34 01 .1
		H 13 31 28 .2	
		Hindukush region	
30	Wr	iPZ	14 32 20 .2
		iSZ	33 43 .7
	Qt	ePZ	34 13 .0
		H 14 30 31	
30	Qt	ePZ	18 02 48 .1
30	Qt	ePZ	18 17 44 .5
30	Qt	ePZ	21 15 06 .5
30	Qt	ePKPZ	22 03 25 .2d
		USCGS H 21 44 56.9	
		19.9 S 176.0 W	
		Fiji Islands region	
		depth about 253 km	
		Mag: 5.6 (CGS)	
31	Qt	ePKPZ	02 34 30±
		eXZ	35 50
	Wr	ePKPZ	34 34 .7
		USCGS H 02 14 20.3	

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Date	Station	Phase	h	m	s
		35.2 S 106.0 W			
		Easter Islands			
		depth about 33 km			
		Mag: 5.2 (CGS)			
31	Qt	ePZ	04	28	05 .0
	Wr.	ePZ			22 .1
31	Qt	ePZ	05	39	51 .0
		USCGS H 05 30 35.1			
		25.7 N 128. IE			
		Ryukyu Islands			
		depth about 91 km			

Date	Station	Phase	h	m	s
31	Qt	ePZ	17	33	37 .5
31	Qt	ePZ	19	57	17±
31	Lh	ePZ	23	32	21 .8
	Qt	ePZ			45 .9
		USCGS H 23 20 19.4			
		52.4 N .170.7 W			
		Fox Islands, Aleutian Islands.			
		depth about 33 km			
		Mag: 5.2 (CGS)			

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Date	Phase	h m s
	QUETTA	
1	ePZ	01 41 05.5
	eSE	26.0
1	ePZ	05 03 34.1
	eSE	49.5
1	ePZ	05 04 36.5
	eSE	51.5
2	ePZ	05 49 00.0
	eSE	41.0
2	ePZ	23 13 01.2
	eSN	42.5
3	ePZ	00 02 09.0
	eSE	13.2
3	ePZ	08 10 56.5
	eSN	11 31.5
3	ePZ	16 08 36.0
	eSE	39.2
3	ePZ	22 45 41.2
	eSN*	46 15.0
4	ePZ	07 34 24.0
	eSN*	55.0
4	ePZ	11 02 28.0
	eSN	49.5
4	ePZ	19 43 13.8
	eSE	19.5
4	ePZ	21 19 24.0
	eSN	41.2
5	ePZ	21 03 11.0
	eSN	30.5
6	ePZ	17 08 18.5
	eSN	33.0
6	ePZ	18 06 05.6
7	ePZ	02 22 47.6
	eSE	56.0
7	ePZ	07 41 05.8
	eSE	19.5
7	ePZ	16 45 10.0
	eSN	47.7
7	ePZ	17 22 40.5
	eSN	56.2
7	ePZ	23 32 54.8
	eSN	33 01.5
8	iPZ	04 23 06.5c
	iSE	41.0
8	ePZ	08 30 19.0
	eSN	52.0
8	ePZ	10 11 16.5
	eSE	49.0
9	iPZ	02 46 14.5
	eSE	25.0
9	ePZ	05 25 00.0
9	ePZ	08 43 57.3
	eSN	44 19.0
9	ePZ	11 28 20.7
	iSE	30.0
10	ePZ	08 42 10.5
	eSN	41.5
10	ePZ	09 12 52.5
	eSN	13 24.0
10	ePZ	19 59 37.2d
	eSE	20 00 07.3
11	ePZ	06 25 50.7
	eSN	26 01.0
12	ePZ	07 24 05.5
	eSE	21.2
12	ePZ	08 49 01.0
	eSN	23.5
13	ePZ	11 25 31.5
	ecSE	27 28.0
13	ePZ	12 07 06.0
13	ePZ	12 15 39.8
	eSE	16 45.5
14	ePZ	04 33 13.0
	eSE	22.6
14	ePZ	11 30 34.0
	eSE	31 02.5
14	ePZ	15 40 29.0
	e(S)E	41.0
15	ePZ	15 34 35.0

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Date	Phase	h	m	s
	eSN			52.5
16	ePZ	03	36	13.0
	eSN			15.6
16	ePZ	18	44	40.9
	eSN		45	03.0
16	ePZ	19	44	40.0
	e(S)N			52.6
16	ePZ	20	20	50.6
	eSN		21	06.3
17	ePZ	07	12	05.5
	e(S)E		13	02.5
17	ePZ	08	22	41.7c
	eSN*		23	24.0
17	ePZ	15	20	37±
	eXN		21	12.0
18	ePZ	21	07	36±
	eSE			56.5
18	ePZ	22	09	19.5
	eSE			35±
19	ePZ	00	38	42.0
	eSE		40	07.0
19	ePgZ	06	04	53.0
	eSgE			54.5
19	ePZ	12	46	22.5
	eSE			41.0
19	ePZ	18	24	35.2
	eSE			55.0
21	ePZ	20	04	03.0
	eSN			20.0
22	ePZ	01	10	40.5
	eSN			50.5
23	ePZ	23	58	58.0
	eSN		59	21.5
24	ePZ	04	24	23.0
	eSN			42.0
24	ePZ	05	19	15.5
	eSE			20.6
24	cPZ	13	44	32.6
	eSN			53.0
25	ePZ	09	57	27.2
	eSE			37.0
25	ePZ	20	23	23.0
	e(S)N			42.5
27	ePZ	20	04	46.0
	eSE			55.5
29	ePZ	12	25	37.1
	eSN			52.5
29	ePZ	12	46	48.1
29	ePZ	13	17	39.5
29	ePZ	14	37	12.2c
	eSN			19.0
29	ePZ	14	54	10.0
	e(S)N		55	05.5
29	iPZ	14	56	51.0±
	eSE		57	47.2
29	ePZ	15	23	32.6
	e(S)E		24	27.5
29	ePZ	16	35	28.9c
	eSE		36	23.3
30	ePZ	05	52	41.5
	eSE			54.5
30	ePZ	07	59	59.3
	eSE	08	00	57.5
30	ePZ	08	51	20.5
	eSN		52	14.8
30	ePZ	11	16	44.3
	eSE			50.1
30	ePZ	21	32	43.0
	eSN		34	10.7
31	eSE	19	46	18.1
31	ePZ	19	57	17.0
31	ePZ	20	53	43.5
	eSE		54	00.1
31	ePZ	22	55	46.2
	eSE		56	03.7

WARSAK

1	cPZ	07	00	01.8
	eSN			43.1
1	ePZ	07	28	11.0

Date	Phase	h m s
	eSN	41 .5
1	ePZ	08 15 16 .0
	eSN	51 .0
2	ePZ	08 48 42 .7
	iSN	49 46 .9
2	ePZ	10 12 12 .9
	eSN	50 .9
4	ePZ	07 35 27 .2
5	ePZ	11 12 33 .4
	eSN	13 06 .7
5	ePZ	20 24 45 .0
6	ePZ	07 22 26 .5
8	ePZ	02 34 19 .3
8	ePZ	03 54 01 .2
8	ePZ	04 39 38 .2
10	ePZ	04 19 53 .5
10	ePZ	10 03 10 .9
10	ePZ	18 21 49 .2
10	ePZ	19 59 01 .4
10	ePZ	22 29 42 .0
10	eSN	30 18 .5
11	ePZ	02 42 48 .5
	eSN	43 17 .7
11	ePZ	11 45 59 .0
	eSN	46 33 .0
11	ePZ	17 41 54 .6
	eSN	42 47 .2
11	ePZ	21 58 21 .8
	eSZ	47 .9
12	ePZ	07 13 32 .6
	iSN	14 12 .4
13	ePZ	07 25 18 .9
	eSN	50 .8
13	ePZ	12 04 22 .0
	iSN	55 .3
13	ePZ	19 59 47 .3
	eSN	20 00 21 .4
13	ePZ	21 30 07 .0
	eSN	49 .2
15	ePZ	04 10 31 .5
	eSZ	11 05 .0
16	ePZ	00 13 56 .2
16	ePZ	04 53 21 .5
	eSZ	51 .6
16	ePZ	12 06 37 .0
	iSN	07 00 .0
17	ePZ	04 46 47 .3
17	ePZ	05 03 12 .2
	eSN	40 .7
19	ePZ	02 42 45 .7
19	iPZ	13 37 29 .4
	iSZ	39 .9
19	ePZ	16 08 53 .0
	eSN	09 27 .0
20	ePZ	00 25 52 .2
	eSZ	26 02 .2
22	ePZ	09 58 37 .7
	eSN	59 08 .0
23	ePZ	07 51 45 .3
23	ePZ	09 51 21 .6
	eSN	48 .0
23	ePZ	16 45 33 .4
	eSN	46 01 .4
25	ePZ	16 01 51 .9
	eSN	02 26 .7
27	ePZ	02 40 42 .1
	eSN	41 31 .3
27	ePZ	03 13 24 .8
	eSN	14 13 .8
27	ePZ	20 40 32 .7
	eSN	41 13 .8
28	ePZ	03 42 47 .4
	eSN	43 21 .7
28	ePZ	04 18 38 .7
	eSZ	19 12 .8
28	ePZ	04 54 28 .6
28	ePgZ	14 52 33 .0
	eSgZ	43 .0
28	ePgZ	14 56 13 .4
	eSgZ	20 .2

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Date	Phase	h	m	s
30	ePZ	07	53	28.1
30	ePZ	16	35	01.6
31	ePZ	05	30	36.9
31	ePZ	08	44	59.2
31	ePZ	09	05	20.2
31	ePZ	16	42	53.3
	eSZ		43	21.0
31	ePZ	17	17	44.6
31	ePZ	18	04	07.1
31	ePZ	20	28	00.2
	eSZ			19.2
	LAHORE			
1	iPgZ	16	48	52.0
	iSgZ			59.0
13	ePZ	11	24	22.0
18	iXZ	05	43	10.1
27	eXZ	12	06	26
	KARACHI			
3	ePZ	19	03	42.7
3	ePZ	22	46	39.9
	eXZ			58.0
4	ePZ	07	34	34.3
	eSZ		35	26.8
	CHITTAGONG			
1	eXZ	04	02	15
1	eXZ	05	50	23
1	eXZ	10	03	02
3	eXZ	05	39	12
4	eXZ	23	28	16
5	iXZ	11	23	34
5	eXZ	22	43	46

Date	Phase	h	m	s
6	eXZ	02	42	06
6	eXZ	07	21	00
8	eXZ	15	08	24
9	eXZ	05	43	45
10	eXZ	01	41	38
11	eXZ	13	37	53
14	ePZ	07	17	25.4
14	eXZ	11	27	28
15	eXZ	03	42	29
15	eXZ	04	16	44
16	eXZ	11	51	09
17	eXZ	23	16	13
18	eXZ	00	46	56
18	eXZ	04	43	51
18	cXZ	11	21	58
20	eXZ	15	22	00
22	eXZ	00	13	08
22	eXZ	12	57	48
24	eXZ	20	01	20
25	ePZ	03	04	44±
25	ePZ	17	42	25.0
27	eXZ	12	05	40
27	eXZ	13	04	11
28	eXZ	04	51	50
28	eXZ	15	07	20
30	eXE	04	33	51
30	eXE	04	57	59
30	ePZ	05	14	04.5
	eXE			51
	eSN		15	11
30	eXE	07	41	43
30	eXZ	08	01	05
31	eXZ	21	03	18

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Date	Station	Phase	h	m	s
1	Wr	iPZ	07	28	15.8
		iSN			34.5
	Lh	ePZ*	07	28	38
		eSN		29	10
	Qt	ePZ			16.6
		e(S)N		30	32.7
		H 07 27 53			
		33.6 N 72.2 E			
		West Pakistan			
		depth about 130 km			
1	Qt	ePZ	10	43	29.7
		iXZ			35.6
		USCGS H 10 40 01*			
		30.9 N 49.9 E			
		Western Iran			
		depth about 42 km			
1	Qt	iPZ	12	58	42.4
		USCGS H 12 45 24*			
		76.1 N 120.8 E			
		Laptev Sea			
		depth about 33 km			
		Mag : 4.3 (CGS)			
1	Ch	ePZ	13	23	44.8
		eSN		24	37
	Lh	ePZ*	13	26	21.6
		eSN*		29	11.6
	Wr	ePZ		26	57.7
		eSZ		30	21.4
	Qt	ePZ		27	34.6c
		iSN*		31	35.7
		H 13 22 36			
		26.8 N 92.5 E			
		India-China border region			
		depth about 50 km			
		USCGS H 13 22 36.6			
		27·2 N 92.3 E			
		India-China border region			
		depth about 33 km			

Date	Station	Phase	h	m	s
		Mag : 5 7 (CGS)			
			14	08	16.7
1	Qt	ePZ	17	28	43.3
1	Wr	ePZ		29	13.3d
	Qt	iPZ		39	38.8
		iSN*			
		Mu Sec			
		PZ 0.1 1.5			
		MH 0.7 20			
		USCGS H 17 16 40.4			
		51.2 N 170.6 W			
		Fox Islands, Aleutian Islands			
		depth about 25 km			
		Mag : 5.5 (CGS)			
1	Qt	ePZ	18	41	50.7
1	Qt	ePZ	18	53	16.7
1	Wr	iPZ	22	38	41.4c
		iSZ		39	11.6
	Qt	ePZ			31.6
		iSE		40	51.2
		H 22 37 49			
		Hindukush region			
1	Qt	iPZ	22	45	17·2d
		iSN			27.4
	Wr	ePZ		46	42.3
		H 22 45 04			
2	Qt	ePZ	06	26	20.9
2	Qt	ePZ	07	06	17.9
2	Qt	ePZ	11	01	01.8
2	Qt	ePZ	12	53	01.1
2	Qt	ePZ	15	52	47.8
2	Qt	ePZ	17	28	16.7
2	Qt	ePZ	18	22	47·0
2	Qt	ePZ	18	37	29.3
3	Qt	ePKPZ	10	26	14.4
	Wr	iPKPZ			26.2
		USCGS H 10 06 55.9			
		30.9 S 68.4 W			
		San Juan Province, Argentina			

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Date	Station	Phase	h	m	s
		depth about 113 km			
		Mag : 5.1 (CGS)			
3	Wr	iPZ	20	30	07.4
		eSZ		31	04.2
	Qt	ePZ			16.8
		eSE		33	11.3
		H 20 28 50			
4	Qt	ePZ	00	20	01.9
		USCGS H 00 08 51.0			
		5.5 S 130.4 E			
		Banda Sea			
		depth about 99 km			
4	Qt	ePZ	02	19	41.3
4	Qt	ePZ	03	44	47.2
		eSN*		49	05.2
	Wr	iPZ		44	59.6
		USCGS H 03 39 36.7			
		39.8 N 40.3 E			
		Turkey			
		depth about 33 km			
		Mag : 5.0 (CGS)			
4	Wr	ePZ	08	09	42.7
		eSZ		10	27.6
	Qt	ePZ			44±
		eSE		12	25 6
		H 08 08 46			
4	Qt	ePZ	09	59	05.1
4	Ch	iPZ	10	42	43.0c
		ipPZ			53
		ePPE		44	34
		eSN		49	31
	Lh	ePZ		44	50.0 c
		eSN*		53	28.0
		eScSE*		54	40.0
	Wr	iPZ		45	10.1
	Kr	ePZ			17.0
		ePPZ			26.4
		ePPZ		47	50.0
		esSE		54	36.8
	Qt	ePZ		45	25.3c
		esPZ			43.8
		eSN		54	35.0
		ePP	11	13	27.6
		USCGS H 10 34 13.1			
		4.0 S 131.4 E			
		West New Guinea region			
		depth about 33 km			
		Mag : 5½ – 5½ (Brk), 5.9 (CGS)			
4	Qt	ePZ	16	22	06.1
		USCGS H 16 10 53.0			
		4.0 S 131.5 E			
		West New Guinea region			
		depth about 37 km			
		Mag ; 4.7 (CGS)			
4	Qt	ePZ	16	46	09.3
4	Qt	ePZ	17	21	40.8c
		USCGS H 17 10 28.4			
		3.9 S 131.5 E			
		West New Guinea region			
		depth about 33 km			
		Mag : 4.8 (CGS)			
4	Wr	ePZ	23	33	35.4
		eSZ		34	09.9
	Qt	ePZ			38.5
		eSN		35	59.2
		H 23 32 57			
		Hindukush region			
5	Ch	ePZ	03	04	42.8
		epPZ		05	03
		ePPZ		07	08
		eSN		13	33
	Lh	ePZ	03	06	17.8c
		ipPZ*			29.0
		eSN*		16	34.0
		ePSZ*		17	44.0
	Wr	iPZ*		06	30.9
		eSN		17	04.3
	Kr	ePZ		06	45.3

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Date	Station	Phase	h	m	s
		ipPZ			56.3
		ePPZ		10	05.8
		eSE		17	14.1
	Qt	ePZ		06	46.6
		eSKSE*		17	14.8
		eSN			36.2
		Mu Sec			
		MH 16.4 20			
		△=90°.3			
		USCGS H 02 53 50.6			
		5.8 S 154.0 E			
		Solomon Islands			
		depth about 69 km			
		Mag : 6.4 (CGS),			
		6.4 (Qt)			
5	Qt	ePZ	04	22	44.8
		iXZ			53.9
		USCGS H 04 09 51.6			
		6.0 S 153.8 E			
		New Britain region			
		depth about 81 km			
		Mag ; 4.8 (CGS)			
5	Qt	ePZ	06	43	10.7
		USCGS H 06 36 59*			
		26.9 N 101.5 E			
		Yunnan Province			
		China			
		depth about 33 km			
		Mag : 5.2 (CGS)			
5	Qt	ePZ	07	31	18.5
		USCGS H 07 20 45*			
		33.6 S 77.6 E			
		Mid-Indian Rise			
		depth about 33 km			
5	Qt	ePZ	07	40	12.2
		USCGS H 07 27 21.0			
		5.9 S 153.7 E			
		New Ireland region			
		depth about 106 km			
		Mag : 4.6 (CGS)			
		ePZ	07	56	19.4
5	Qt	ePZ	12	40	32.3
5	Qt	ePZ			50.0
	Wr	ePZ			
		USCGS H 12 27 22.2			
		0.6 N 25.9 W			
		Central Mid-Atlantic Ridge			
		depth about 33 km			
		Mag : 4.7 (CGS)			
5	Qt	ePZ	21	17	07.9
		USCGS H 21 08 49.4			
		44.1 N 11.1 E			
		Northern Italy			
		depth about 40 km.			
		Mag : 4.3 (CGS)			
6	Qt	ePZ	08	02	43±
	Wr	iPZ			55.0
		USCGS H 07 50 12.6			
		48.1 S 104.1 E			
		Southeast Indian Rise			
		depth about 33 km			
6	Qt	ePZ	18	02	42±
6	Ch	iPZ	18	49	40.0d
		epPZ			50
		eSN		56	34
	Lh	ePZ		51	36.0
		epPZ			45.6
		eSN*	19	00	13.0
	Wr	ePZ	18	51	52.8
	Qt	ePZ		52	15±
		USCGS H 18 41 01.8			
		10.0 N 140.2 E			
		West Caroline Islands			
		depth about 33 km			
		Mag : 5.1 (CGS)			
6	Lh	ePZ	19	03	29.0
	Wr	iPZ		04	00.6
	Qt	ePZ			03±
		USCGS H 18 57 20.4			
		7.1 N 93.7 E			
		Nicobar Islands region			

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Date	Station	Phase	h	m	s
		depth about 46 km			
		Mag : 5.2 (CGS)			
6	Lh	ePZ	20	46	04±
	Wr	iPZ		46	19.2
	Qt	ePZ			34±
		USCGS H 20 34 22.2			
		4.7 S 144.8 E			
		Near north coast of New Guinea			
		depth about 76 km			
		Mag : 5.7 (CGS)			
7	Qt	ePZ	03	47	46.5
		USCGS H 03 38 50.4			
		19.9 N 122.2 E			
		Philippine Islands region			
		depth about 28 km			
		Mag : 4.7 (CGS)			
7	Wr	ePZ	04	04	06.8
	Qt	ePZ			43.3
		USCGS H 03 54 05.1			
		48.6 N 153.9 E			
		Kurile Islands			
		depth about 100 km			
		Mag : 4.6 (CGS)			
7	Lh*	ePZ	10	49	19.0
		eSN			24.0
	Qt	ePZ		51	22±
		Felt Lahore			
7	Qt	ePZ	11	31	36.6
	Wr	ePZ		32	35.0
	Lh*	eXZ*			42.0
		USCGS H 11 27 15*			
		15.7 N 53.3 E			
		Arabian Sea			
		depth about 33 km			
		Mag : 4.6 (CGS)			
7	Qt	ePZ	11	41	39.3c
		USCGS H 11 29 17.6			
		4.1 S 15.7 E			
		New Britain region			
		depth about 246 km			
7	Wr	iPZ	11	53	17.5
		iSZ			45.3
	Qt	ePZ		54	17.2
		eSE		55	41.1
		H 11 52 34			
		Hindukush region			
		depth about 246 km			
7	Wr	iPZ	15	53	01.2
		iSZ			39.5
	Lh	ePZ			37.5
		eSN		54	41.0
	Qt	iPZ			06.4d
		iSE		55	36.1
		Mú Sec			
		PZ 0.41 0.5			
		△ = 8°.2			
		H 15 52 10			
		37.2 N 72.1 E			
		Tadzik-Afghanistan border			
		depth about 200 km			
		USCGS H 15 52 11.5			
		37.1 N 71.8 E			
		Afghanistan-USSR border region			
		depth about 168 km			
		Mag : 4.3 (CGS), 4.7 (Qt)			
7	Qt	ePZ	18	41	10.2
7	Qt	ePZ	21	18	55.4
8	Wr	ePZ	08	04	29.8
	Qt	ePZ			48.4
		eSN		12	54.6
		USCGS H 0754 57.9			
		5.8 N 126.1 E			
		Mindanao, Philippine Islands			
		depth about 177 km			
		Mag : 5.4 (CGS)			
8	Lh	ePZ	13	49	45±

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Date	Station	Phase	h m s
	Wr	ePZ	57.4
	Qt	ePZ	50 29.5
		USCGS H 13 40 03.5	
		29.6 N 142.0 E	
		South of Honshu, Japan	
		depth about 77 km	
		Mag : 5.6 (CGS)	
8	Qt	ePZ	17 03 06.8
		USCGS H 16 52 33.2	
		29.1 N 142.3 E	
		South of Honshu, Japan	
		depth about 33 km	
		Mag : 4.8 (CGS)	
8	Qt	iPKPZ	17 23 16.6 c
		USCGS H 17 05 23.4	
		20.4 S 178.3 W	
		Fiji Islands region	
		depth about 539 km	
		Mag : 5.4 (CGS)	
8	Wr	iPZ	20 18 13.8
		iSZ	46.5
	Qt	iPZ	19 16.9 d
		iSE	20 36.5
		H 20 17 36	
		Hindukush region	
8	Wr	ePZ	20 32 39.7
	Qt	ePZ	59.9
		USCGS H 20 22 54.2	
		6.9 N 126.4 E	
		Mindanao, Philippine Islands	
		depth about 33 km	
8	Wr	ePZ	22 21 05.8
		eSZ	22 15.7
	Qt	ePZ	21 57±
		H 22 19 36	
9	Qt	ePZ	05 03 54.3
		USCGS H 04 52 45.4	
		5.6 S 130.9 E	
		Banda Sea	
		depth about 93 km	
		Mag : 5.1 (CGS)	
9	Wr	iPZ	06 16 37.9
	Qt	ePZ	17 09.4
		USCGS H 06 06 18.4	
		26.2 N 143.7 E	
		Bonin Islands region	
		depth about 33 km	
		Mag : 4.9 (CGS)	
9	Qt	ePZ	10 35 33.4
9	Wr	ePZ	12 13 51.0
		eSZ	14 19.1
	Qt	ePZ	50.3
		eSE	16 09.7
		H 12 13 09	
		Hindukush region	
9	Qt	iPZ	22 23 54.3d
		eSE*	27 26.0
	Wr	ePZ	24 24.0
		USCGS H 22 19 40.5	
		34.5 N 45.8 E	
		Iran-Iraq border region	
		depth about 68 km	
		Mag : 4.5 (CGS)	
9	Qt	ePZ	23 58 56.0d
10	Wr	iPZ	04 28 25.7
		iSZ	51.0
	Qt	ePZ	29 31.1
		eSE	30 48.6
		H 04 27 51	
		Hindukush region	
10	Qt	ePZ	14 17 12.5
10	Qt	ePZ	15 09 15.0
10	Qt	ePKPZ	17 56 36.4
		ipPKPZ	57 09.2
	Wr	ePKPZ	56 46.8
	Lh	ePKPZ	51.5
		epPKPZ	57 23.5
		USCGS H 17 37 08.7	

Date	Station	Phase	h	m	s
		33 .0 S 69 .4 W			
		Mendoza Province,			
		Argentina			
		depth about 80 km.			
		Mag: 5 .4 (CGS)			
10	Qt	ePZ	18	59	32 .4
11	Qt	ePZ	01	06	05 .2
11	Qt	ePKPZ	04	42	53±
		epPKPZ		43	59 .8
		ePPZ		45	49 .2
		iPKSZ		46	16 .6
	Wr	ePKPZ		43	00 .4
		ePPZ		46	13 .5
	Lh	ePKPZ*		43	11±
	Ch	ePKPZ		44	16 .2
		USCGS H 04 23 56 .0			
		23 .9 S 66 .6 W			
		Jujuy Province,			
		Argentina			
		depth about 195 km			
		Mag: $4\frac{3}{4}$-5(Brk),			
		5 .3 (CGS)			
11	Lh	eXN	04	53	37 .7
	Wr	ePZ			48 .0
		eXZ		56	05 .3
	Qt	ePZ		54	34 .4
		eSE		56	33 .1
11	Lh	eXN	06	56	45 .0
	Qt	ePZ		57	07 .9
		eSE			47 .4
	Wr	iPZ			37 .1
		iSZ		58	36 .4
		H 06 56 21 .0			
11	Qt	ePZ		10	13 33±
11	Qt	ePZ	10	25	11 .6
11	Qt	ePZ	10	34	09 .7
11	Qt	ePZ	11	57	21 .6
11	Wr	ePZ	18	36	01 .0
	Qt	ePZ		37	11 .3
12	Ch	ePZ	12	53	03 .0

Date	Station	Phase	h	m	s
		epPZ			38
		eSNE	13	00	52
		epSE		01	34
	Lh	ePZ*		54	51 .0
	Wr	iPZ	12	55	07 .6
	Qt	iPZ			23 .4c
		iSN*	13	05	25 .0
		ePSN*		06	10 .1
		Mu Sec			
		PZ 0 .1 1 .0			
		△= 81° .8			
		USCGS H 12 43 19 .0			
		4 .4 S 144 .0 E			
		Near north coast of			
		New Guinea			
		depth about 120 km.			
		Mag: $6\frac{1}{2}$ (Pas),			
		$6\frac{1}{4}$-$6\frac{1}{2}$ (Brk),			
		6 .3 (CGS),			
		6 .0 (Qt)			
12	Qt	ePZ	14	17	15 .3
		USCGS H 14 05 49 .3			
		11 .9 N 143 .6 E			
		South of Mariana			
		Islands			
		depth about 33 km			
		Mag: 4 .5 (CGS)			
12	Qt	ePKPZ	15	37	07 .5
		epPKPZ		38	25 .7
	Wr	ePKPZ		37	57 .8
		USCGS H 15 19 22 .3			
		17 .4 S 179 .9 W			
		Fiji Islands region			
		depth about 561 km			
		Mag: $4\frac{1}{4}$-$4\frac{1}{2}$ (Brk),			
		5 .8 (CGS)			
12	Wr	ePZ	18	36	12 .6
	Qt	ePZ			35 .5c
		USCGS H 18 25 30 .7			
		9 .1 N 137 .9 E			

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Date	Station	Phase	h	m	s
		West Caroline Islands			
		depth about 33 km			
12	Qt	ePZ	20	36	27.5 c
		USCGS H 20 25 53.5			
		45.4 N 149.7 E			
		Kurile Islands			
		depth about 53 km			
		Mag: 4.8 (CGS)			
12	Ch	ePZ	22	20	30.6
		esPZ			47
		ePPZ		24	26
		ePPPZ		26	33
		eSKSN		30	58
		eSN		31	42
	Kr	ePKPZ		25	29.7
		ePPZ		26	16.4
	Wr	ePKPZ		25	41.8
	Lh	ePZ*		21	46.0
		iPPZ*		26	27.0
	Qt	ePZ*		22	04.0
		ePKPZ		25	45.6
		iPPZ*		26	54.4
		ePKSZ*		29	17.2
		eSKSE*		32	55.0
		USCGS H 22 07 03.2			
		49.1 S 164.2 E			
		Auckland Islands			
		region			
		depth about 33 km			
		Mag: 7½ (Pas, Brk), 6.9 (CGS)			
13	Qt	ePZ	08	22	25.6
13	Wr	iPZ	11	39	14.6
		iSZ		40	04.8
	Qt	ePZ		39	31.4
		H 11 38 10			
13	Lh	eXZ	16	31	35.0
	Wr	ePZ			57.0
	Qt	ePZ			32 20.5
		eXZ			33 34.4
13	Qt	ePZ	17	12	34.2
13	Qt	ePZ	22	43	57.5
		USCGS H 22 31 22*			
		54.4 N 163.7 W			
		Unimak Islands region			
		depth about 33 km			
		Mag: 3.7 (CGS)			
14	Qt	ePZ	00	10	26.3
14	Wr	ePZ	10	29	54.2
	Qt	ePZ		30	21.7
		eXZ			39.5
		USCGS H 10 17 46.6			
		56.7 N 157.4 W			
		Alaska Peninsula			
		depth about 61 km			
		Mag: 5.7 (CGS)			
14	Qt	ePZ	12	35	11.1
		USCGS H 12 25 04.4			
		44.7 N 146.4 E			
		Kurile Islands			
		depth about 149 km			
		Mag: 4.4 (CGS)			
14	Qt	ePZ	13	06	15.8
		USCGS H 12 56 32.2			
		9.5 S 111.8 E			
		South of Java			
		depth about 127 km			
14	Wr	iPKPZ	13	52	36.2
	Qt	ePKPZ			41.3
		epPKPZ			55.4
		USCGS H 13 33 33.7			
		15.0 N 93.2 W			
		Near coast of Chiapas, Mexico			
		depth about 64 km			
		Mag: 4.9 (CGS)			
14	Qt	ePZ	15	23	35.4
		eSN*		25	12.0

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Date	station	Phase	h	m	s
	Kr	ePZ		23	47.5
	Wr	ePZ		24	37.8
	Lh	ePZ			59.2
		USCGS H 15 21 09.0			
		28.0 N 55.8 E			
		Southern Iran			
		depth about 33 km			
		Mag : 4.8 (CGS)			
14	Wr	ePZ	17	24	20.3
	Qt	ePZ		25	00±
		eSE		27	44.5
	Lh	eXZ		25	25.3
14	Qt	ePZ	18	25	02.5
14	Qt	ePZ	18	56	44.7
14	Qt	ePZ	20	40	26.5
14	Lh	ePZ	20	50	26.4 c
	Wr	iPZ			29.5
	Qt	ePZ		51	05.5
		esPZ			23.2
		USCGS H 20 40 26.5			
		45.2 N 150.3 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 5.0 (CGS)			
15	Qt	ePZ	05	34	40.6
15	Ch	ePN	05	45	13.2
		eSNE		51	08.4
	Lh	ePZ		47	29.0
		eSN*		55	20.0
	Wr	ePZ		47	50.8
		eSN		56	02.6
	Qt	ePZ		48	05.9 c
		eXZ			35.4
		eSN		56	30.6
		USCGS H 05 37 45.4			
		0.1 S 124.6 E			
		Molucca Sea			
		depth about 33 km			
		Mag : 5.3 (CGS)			
15	Qt	ePZ	09	48	19.0
15	Qt	ePZ	13	03	10.8
		USCGS H 12 44 12.2			
		16.0 S 172.9 W			
		Samoa Islands region			
		depth about 33 km			
		Mag : 5.3 (CGS)			
15	Ch	ePZ	15	32	42.8
		iSE		35	10
	Lh	ePZ			28.5 c
		iSN*		40	10.0
	Kr	ePZ		35	36.0
		ePPZ		36	30.0
		eSE		40	32.6
	Wr	iPZ		35	59.0
	Qt	iPZ		36	03.1 c
		eSN*		41	13.9
		Mu Sec			
		MH 57.8 20			
		△ = 32°.5			
		USCGS H 15 29 32.2			
		8.9 N, 93.1 E			
		Nicobar Islands region			
		depth about 37 km			
		Mag : 5½ (Pal),			
		6.2 (CGS),			
		6.3 (Qt)			
15	Qt	ePKPZ	16	33	07.2
		USCGS H 16 13 33*			
		41.6 S 73.6 W			
		Near coast of sou hern			
		Chile			
		depth about 82 km			
		Mag : 4.2 (CGS)			
15	Ch	ePN	18	47	40±
	Qt	ePZ		49	39.6
		USCGS H 18 37 10.1			
		6.6 S 146.8 E			
		East New Guinea			
		region			
		depth about 59 km			
		Mag : 5.1 (CGS)			

Date	Station	Phase	h	m	s
15	Qt	ePKPZ	20	42	49.3
		USCGS H 20 23 35.2			
		54.5 S 53.4 W			
		South Atlantic Ocean			
		depth about 33 km			
		Mag: 5.2 (CGS)			
15	Qt	ePKPZ	21	19	54.0
	Wr	ePKPZ			59.3
		USCGS H 21 00 31.7			
		58.7 S 66.5 W			
		Drake Passage			
		depth about 33 km			
		Mag: 5.2 (CGS)			
16	Ch	ePZ	01	29	11.6
		eSN		31	16
	Lh	ePZ		32	07.0 c
		eSSE*		38	04.0
	Kr	ePE			32 26±
	Wr	iPZ			36.7
	Qt	ePZ			43.3 c
		eSN*		37	50.2
		Mu Sec			
		MH 31.3 20			
		△ = 31°.8			
		H 01 26 19.7			
		10.3 N 93.4 E			
		Andaman Islands			
		depth about 33 km			
		USCGS H 01 26 26.9			
		10.9 N 93.1 E			
		Andaman Islands			
		depth about 47 km			
		Mag: 5.7 (CGS),			
		6.1 (Qt)			
16	Wr	iPZ	02	02	46.9
	Lh	ePZ			57.0
	Qt	ePZ		03	13.3 c
		USCGS H 01 503.9			
		60.0 N 147.1 W			
		Gulf of Alaska			
		depth about 29 km			
		Mag: 5¾ (Pas),			
		5¾-6(Pal),			
		5.5 (CGS)			
16	Qt	ePZ		03	44 55.7
		USCGS H 03 32 34*			
		51.6 N 173.8 W			
		Andreanof Islands,			
		Aleutian Islands			
		depth about 45 km			
		Mag: 4.2 (CGS)			
16	Ch	ePN		05	31 26±
	Wr	ePZ		33	13.8
	Qt	ePZ			38.2
		eSKSE		44	10.5
		USCGS H 05 20 46.1			
		5.9 S 152.0 E			
		New Britain region			
		depth about 29 km			
		Mag: 6.2 (CGS)			
16	Wr	ePZ	15	05	14.3
		eXZ		06	22.0
	Qt	ePZ			20.7
16	Qt	ePZ	19	36	18.6
		USCGS H 19 26 25*			
		41.6 N 139.3 E			
		Hokkaido, Japan region			
		depth about 33 km			
		Mag: 4.4 (CGS)			
16	Qt	ePKPZ	21	05	28.5
		USCGS H 20 47 16.0			
		16.1 S 176.5 W			
		Fiji Islands region			
		depth about 352 km			
		Mag: 5.1 (CGS)			
16	Qt	ePZ	22	37	03.4
	Wr	ePZ			09.4
		USCGS H 22 23 36.3			
		22.9 N 45.1 W			

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Date	Station	Phase	h	m	s
		North Atlantic Ridge			
		depth about 33 km			
		Mag : 5 (Pal)			
		5.4 (CGS)			
16	Wr	iPZ	22	38	34.9
		iSZ		39	26.4
	Lh	ePZ		38	35.8
		e(S)N		39	27.0
	Qt	ePZ			41.6
		eSN		41	20.2
		H 22 37 30			
		35.3 N 76.3 E			
		Kashmir			
		depth about 223 km			
17	Wr	iPZ	03	29	10.2
		iSZ			41.9
	Lh	ePZ			47.0
		eSN		30	51.0
	Qt	ePZ			08.2d
		eSE		31	26.8
		Mu Sec			
		PZ 0.06 0.6			
		△ = 7.1°			
		H 03 28 25			
		36.4 N 71.2 E			
		Hindukush			
		depth about 200 km			
		Mag : 5.0 (Qt)			
17	Qt	ePZ	03	43	17.3
17	Qt	ePZ	06	07	08.4
		USCGS H 05 56 31*			
		28.3 N 143.4 E			
		Bonin Islands region			
		depth about 33 km			
		Mag : 4.5 (CGS)			
17	Qt	ePKPZ	08	00	33.3
	Lh	ePKPZ			43.0
		epPKPZ		01	12.0
		USCGS H 07 41 13.9			
		15.6 S 72.9 W			
		Southern Peru			
		depth about 118 km			
		Mag : 5.0 (CGS)			
17	Wr	iPZ	15	13	41.3
		iPZ			42.1c
	Qt	eSN*		23	24.4
	Lh	ePZ		14	02.0
		USCGS H 15 02 00.9			
		44.5 N 31.3 W			
		North Atlantic Ridge			
		depth about 24 km			
		Mag : 5.6 (CGS)			
17	Wr	ePZ	19	40	05.8
		iSZ			58.9
	Lh	ePZ			34.0
		eSN		41	48.0
	Qt	ePZ			15.6
		eSN		43	02.5
		H 19 38 57			
		38.1 N 74.9 E			
		Tadzhik, S.S.R.			
		depth about 223 km			
17	Qt	ePZ	23	57	32.0
18	Qt	ePZ	00	15	13.9
	Wr	ePZ			34.6
		USCGS H 00 08 42.6			
		35.4 N 28.8 E			
		Eastern Mediterranean			
		Sea			
		depth about 18 km			
		Mag : 4.7 (CGS)			
18	Qt	ePZ	05	11	12.6
18	Wr	iPZ	07	42	10.1
		iSZ			59.8
	Lh	eXZ			40.0
	Qt	iPZ		43	17.9d
		eSE		45	01.8
		H 07 41 04			
18	Qt	ePZ	12	34	21.1

Date	Station	Phase	h	m	s
		USCGS H 12 22 13.3			
		51.4 N 179.9 W			
		Andreanof Islands,			
		Aleutian Islands			
		depth about 33 km			
		Mag : 4.8 (CGS)			
18	Ch	ePZ	13	12	10±
	Qt	ePZ		14	49.2
	Wr	ePZ			59.0
		USCGS H 13 06 00.2			
		5.9 S 103.4 E			
		Southern Sumatra			
		depth about 86 km			
		Mag : 5.3 (CGS)			
18	Qt	ePZ	13	24	31.0
	Wr	ePZ			34.2
	Lh	ePZ*			54.0
		USCGS H 13 12 42.3			
		39.8 N 29.7 W			
		Azores Islands			
		depth about 20 km			
		Mag : 5.5 (CGS)			
18	Wr	ePZ	14	12	36.0
	Qt	ePZ		13	41.1
		eSN		15	09.6
		H 14 11 48			
19	Wr	iPZ	00	39	57.4
		iSN		40	32.1
	Lh	eXZ			39.3
		eSZ		41	43.0
	Qt	iPZ		40	50.2d
		eSN		42	06.3
		H 00 39 11			
		Hindukush region			
		USCGS H 00 39 10.7			
		36.5 N 70.0 E			
		Hindukush region			
		depth about 212 km			
		Mag : 4.7 (CGS)			
19	Wr	ePKPZ	05	27	19.6

Date	Station	Phase	h	m	s
	Qt	ePKPZ			25.2
		ePPZ*		29	45.0
		ePKSN*		30	53.0
		Mu Sec			
		MH 2.5 20			
		△ = 131°.0			
		USCGS H 05 08 15.1			
		15.3 N 94.0 W			
		Near coast of Oaxaca,			
		Mexico			
		depth about 42 km			
		Mag : 6 (Pas),			
		5¾-6 (Brk),			
		5.3 (CGS),			
		6.2 (Qt)			
19	Wr	iPZ	05	48	48.6d
		iSZ		49	20.0
	Lh	eXZ			28.2
		eSZ		50	28.2
	Qt	ePZ		49	48.1
		eSE		51	08.7
		Mu Sec			
		PZ 0.09 0.6			
		△ = 7°.1			
		H 05 48 05			
		Hindukush region			
		Mag : 5.2 (Qt)			
19	Qt	ePZ	08	40	42.7
19	Wr	ePZ	22	30	40.4
	Qt	ePZ		31	01.4
20	Qt	ePZ	01	14	33.0
20	Qt	ePKPZ	04	53	38.2
		iXZ		54	07.7
		USCGS H 04 33 29.4			
		49.6 S 116.2 W			
		Easter Islands			
		Cordillera			
		depth about 33 km			
		Mag : 5.2 (CGS)			
02	Qt	ePZ	09	28	42.0

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Date	Station	Phase	h	m	s
		USCGS H	09	18	19*
		32.4 N 141.6 E			
		South of Honshu,			
		Japan			
		Mag : 4.3 (CGS)			
20	Wr	ePZ	10	41	15.8
	Qt	ePZ		42	26.8
20	Ch	ePZ	14	43	19.2
		iSN		49	03.5
	Wr	ePZ		45	00.6
	Qt	iPZ			33.2c
		eSE		53	13.5
		USCGS H	14	36	05.3
		30.0 N 138.1 E			
		South of Honshu,			
		Japan			
		depth about 454 km			
		Mag : 4.9 (CGS)			
20	Qt	ePZ	17	11	38.8
20	Qt	ePZ	20	51	55.4
		USCGS H	20	43	10.9
		24.0 N 121.8 E			
		Taiwan			
		depth about 37 km			
		Mag : 5.1 (CGS)			
20	Qt	ePZ	22	50	54.8
21	Qt	ePZ	02	58	56.6
21	Wr	iPZ	03	16	33.8
		iSZ		17	01.5
	Qt	iPZ			29.2d
		eSE		18	38.0
		H 03 15 56			
		Hindukush region			
21	Wr	ePKPZ	04	40	56.8
	Qt	iPKPZ		41	04.4d
		USCGS H	04	23	19.7
		21.8 S 179.6 W			
		Fiji Islands region			
		depth about 609 km			
		Mag : 5.4 (CGS)			

Date	Station	Phase	h	m	s
			05	48	40.3
21	Wr	iPZ			52.4
	Qt	ePZ			
		USCGS H	05	37	48.9
		7.0 S 129.4 E			
		Banda Sea			
		depth about 123 km			
		Mag : 5.2 (CGS)			
21	Qt	ePKPZ	18	29	12.1c
		USCGS H	18	10	51.6
		30.1 S 179.5 W			
		Kermadec Islands			
		depth about 319 km			
		Mag : 5.2 (CGS)			
21	Qt	ePZ	19	40	48.1
		USCGS H	19	29	25.2
		12.1 N 142.9 E			
		South of Mariana			
		Islands			
		depth about 33 km			
		Mag : 4.8 (CGS)			
22	Qt	ePZ	08	23	05.5
		eXE		25	55.6
	Wr	ePZ		24	44.3
22	Wr	ePZ	09	17	26.6
	Qt	ePZ		18	03.4d
		USCGS H	09	07	32.8
		43.7 N 147.7 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 5.0 (CGS)			
22	Wr	ePZ	12	31	15.0
		ePZ			57.0
		eSN		34	10.7
22	Qt	ePZ	19	55	06.3
23	Wr	iPZ	00	36	04.0
		iSZ			33.3
	Qt	ePZ		37	08.8c
		eSE		38	31.0
		H 00 35 23			
		Hindukush region			

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Date	Station	Phase	h	m	s
23	Wr	ePZ	05	11	57.7
	Lh	ePZ		12	03.0
		eSN*		22	12.0
	Qt	iPZ		12	25.8c
		ePPZ		15	43.2
		eSN*		22	53.0

Mu Sec
MH 12.9 20
△ = 84°.4
USCGS H 04 59 47.4
53.6 N 163.9 W
Unimak Island region
depth about 29 km
Mag : 5-5½ (B)rk,
5.5 (CGS),
6.3 (Qt)

23	Qt	ePZ	06	31	38.2

USCGS H 06 18 57.4
53.7 N 163.6 W
Unimak Islands region
depth about 13 km
Mag : 4.8 (CGS)

23	Wr	ePZ	09	30	27.0
		eSZ			58.2
	Qt	ePZ		31	23.2
		eSN		32	42.1

H 09 29 43
Hindukush region

23	Wr	iPZ	11	52	41.7
		iSZ		53	09.4
	Qt	ePZ			43.5
		eSN		54	58.0

H 11 52 08
Hindukush region

23	Qt	ePZ	15	53	53.5
23	Lh	ePZ	17	27	31.0
	Wr	iPZ			52.8
	Qt	ePZ		28	11.2

USCGS H 17 18 12.1
5.8 N 126.4 E
Mindanao, Philippine
Islands
depth about 132 km

24	Wr	ePZ	09	01	53.5
		iSZ		03	19.7
	Qt	ePZ		02	49.5
24	Qt	ePZ	09	27	26.0

USCGS H 09 14 38.6
5.6 S 151.8E
New Britain region
depth about 35 km
Mag : 5.3 (CGS)

24	Qt	iPZ	10	02	33.1d
		e(S)E			40.9

Mu Sec
PZ 0.26 0.5

	Wr	ePZ		03	30.8
24	Lh	ePZ	14	45	03.0
	Wr	iPZ			16.6
	Qt	iPZ			45.0c

Mu Sec
PZ 0.1 0.5
USCGS H 14 34 48.0
20.7 N 144.6 E
Mariana Islands
depth about 146 km,
Mag : 4.8 (CGS)

24	Qt	ePZ	18	09	59.0

USCGS H 17 59 53.4
40.3 N 141.6 E
Near east coast of
Honshu, Japan
depth about 104 km
Mag : 4.4 (CGS)

24	Wr	ePZ	23	20	03.8
		eSZ			38.1
	Qt	iPZ		21	02.0d
		eSE		22	23.6

H 23 19 18
Hindukush region

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Date	Station	Phase	h	m	s
24	Qt	ePZ	23	49	35.6
		USCGS H 23 37 23.5			
		51.5 N 177.1 W			
		Andreanof Islands,			
		Aleutian Islands			
		depth about 49 km			
		Mag : 4.7 (CGS)			
25	Qt	ePZ	05	33	51.6
		USCGS H 05 21 33.0			
		52.1 N 174.7 W			
		Andreanof Islands,			
		Aleutian Islands			
		depth about 33 km			
		Mag : 4.6 (CGS)			
25	Qt	ePZ	07	41	35.1
25	Qt	ePZ	08	58	57.4
25g	Ch	ePZ	15	53	29.4
	Lh	ePZ			50.0
	Qt	ePZ		54	18.6
		USCGS H 15 42 17.9			
		50.3 N 176.6 E			
		Rat Islands, Aleutian			
		Islands			
		depth about 30 km			
		Mag : 5.5 (CGS)			
25	Qt	iPZ	17	37	22.5d
		USCGS H 17 24 44.9			
		53.6 N 163.9 W			
		Unimak Islands region			
		depth about 33 km			
		Mag : 5.1 (CGS)			
25	Ch	ePZ	20	37	39.0
	Qt	ePZ		40	02.7
		USCGS H 20 28 33.5			
		3.8S 139.0 E			
		West New Guinea			
		depth about 171 km			
		Mag : 5.8 (CGS)			
25	Wr	ePKPZ	23	45	52.8
	Qt	ePKPZ			58.6c
		ipPKPZ		47	34.8
		USCGS H 23 27 49.7			
		30.7 S 179.9 W			
		Kermadec Islands			
		depth about 424 km			
		Mag : 5.3 (CGS)			
26	Lh	ePZ	00	47	22.0
		iSN		48	23.0
	Wr	ePZ			05.2
	Qt	ePZ			43.5
		eSE*		50	49.7
		Mu Sec			
		PZ 0.06 0.6			
		△= 11°.2			
	Ch	ePZ		48	58.0
		eSNE		51	13
	Kr	ePE		49	00.0
		eSE		51	19.1
		H 00 46 03.0			
		29.9 N 80.4 E			
		Tibet-India border			
		region			
		depth about 33 km			
		USCGS H 00 46 02.8			
		30.1 N 80.7 E			
		Tibet India border			
		region			
		depth about 50 km			
		Mag : 6.2 (CGS),			
		6.0 (Qt)			
26	Qt	ePKPZ	03	57	31.8
		USCGS H 03 38 32.7			
		17.7 S 173.3 W			
		Tonga Islands			
		depth about 33 km			
		Mag : 5.1 (CGS)			
26	Qt	ePZ	06	38	47.7
		USCGS H 06 29 01.4			
		81.0 N 5.1 W			
		North of Svalbard			

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Date	Station	Phase	h m s
		depth about 24 km	
		Mag : 4.4 (CGS)	
26	Wr	iPZ	07 34 35.8
	Qt	ePZ	35 03.4
26	Qt	ePZ	10 34 04.7
		e(S)E	42.0
	Wr	ePZ	53.4
26	Lh	ePZ	23 07 41.6
	Wr	ePZ	54.7
	Qt	iPZ	08 11.2c
		eSKSE*	18 44.0
		Mu Sec	
		PZ 0.1 0.8	
		USCGS H 22 55 14.8	
		4.9 S 153.5E	
		New Ireland region	
		depth about 34 km	
		Mag : 5.5 (CGS)	
27	Qt	ePZ	03 51 32.2
		USCGS H 03 40 56.8	
		44.1 N 149.0 E	
		Kurile Islands	
		depth about 35 km	
		Mag : 4.7 (CGS)	
27	Qt	ePZ	08 04 14.9
		USCGS H 07 53 53.4	
		2.2 N 126.5 E	
		Molucca Passage	
		depth about 70 km	
		Mag : 5.3 (CGS)	
27	Qt	ePZ	09 07 58.6
		e(S)E	08 58.6
	Wr	ePZ	12.0
27	Qt	ePZ	10 03 54.9d
		USCGS H 09 53 36.6	
		2.3 N 126.7 E	
		Molucca Passage	
		depth about 100 km	
		Mag : 5.1 (CGS)	
27	Qt	ePZ	12 51 02.5
27	Lh	eXZ	15 34 18.5
	Wr	ePZ	31.9
	Qt	iPZ	44.5c
		USCGS H 15 24 17.2	
		11.3 S 116.6 E	
		South of Sumbawa	
		Islands	
		depth about 33 km	
		Mag : 5.2 (CGS)	
27	Wr	iPZ	16 03 14.4
	Lh	ePZ	22.0
	Qt	ePZ	41.2c
		ePPZ	07 05.4
		eSN*	14 11.0
		eScSN	26.0
		Mu Sec	
		MH 6.5 20	
		△= 86°.5	
		USCGS H 15 50 54.7	
		56.6 N 152.0 W	
		Kodaik Islands region	
		depth about 27 km	
		Mag : 5¼ (Brk),	
		5.4 (CGS),	
		6.1 (Qt)	
27	Wr	ePZ	21 18 01.2
	Qt	ePZ	46.9
27	Qt	ePZ	22 14 26.5
		USCGS H 22 01 40.2	
		5.5 S 151.6 E	
		New Britain region	
		depth about 50 km	
		Mag : 5.4 (CGS)	
28	Qt	ePZ	05 18 00.0
		eSN*	29 01 0
		USCGS H 05 04 55.5	
		1.2 S 24.1 W	
		Central Mid-Atlantic Ridge	
		depth about 37 km	
		Mag : 5.5 (CGS)	

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Date	Station	Phase	h	m	s
28	Qt	ePKPZ	05	59	19.0
		USCGS H 05 39 34.8			
		40.0 S 74.1 W			
		Off coast of Central Chile			
		depth about 33 km			
		Mag : 4.7 (CGS)			
28	Wr	iPZ	06	51	42.6
		iSN		52	11.2
	Lh	ePZ			22.0
		iSN*		13	21.0
	Qt	iPZ			48.1c
		eSN*		54	09.0
		Mu Sec			
		PZ 0.2 Sec			
		△= 7°.2			
	Ch	ePZ	06	55	58.0
		H 06 51 04.0			
		36.4 N 71.8 E			
		Hindukush			
		depth about 150 km			
		USCGS H 06 51 05.3			
		36.3 N 71.6 E			
		Afghanistan-USSR			
		border region			
		depth about 118 km			
		Mag : 5.5 (CGS)			
28	Wr	ePZ	16	35	33.7
	Qt	iPZ		36	08.6c
		USCGS H 16 25 54.6			
		34.0 N 141.2 E			
		Off east coast of Honshu, Japan			
		depth about 71 km			
		Mag : 5.0 (CGS)			
28	Qt	ePZ	18	42	57.0
		USCGS H 18 30 20.2			
		61.0 N 147.4 W			
		Southern Alaska			
		depth about 89 km			
		Mag : 4.5 (CGS)			
28	Qt	iPZ	19	49	08.5d
29	Qt	ePZ	00	11	51.1
		USCGS H 23 59 30.5			
		7.5 S 146.7 E			
		East New Guinea			
		region			
		depth about 152 km			
		Mag : 4.8 (CGS)			
29	Qt	ePZ	13	57	45.6
		USCGS H 13 47 24.3			
		33.3 N 141.9 E			
		Off east coast of Honshu,			
		Japan			
		depth about 41 km			
		Mag : 4.6 (CGS)			
29	Qt	ePKPZ	14	19	14.0c
		USCGS H 14 00 14.9			
		20.4 S 174.4 W			
		Tonga Islands			
		depth about 29 km			
		Mag : 6½ (Pas),			
		5¾ (Brk),			
		5.7 (CGS)			
29	Wr	ePN	14	53	54.5
		eSN		54	29.4
	Qt	iPZ			53.5d
		eSN		56	13.9
		H 14 53 08			
		Hindukush region			
29	Qt	ePZ	20	45	36.0
29	Qt	ePZ	21	54	53.4d
30	Qt	ePZ	04	46	52.6
		USCGS H 04 39 44.0			
		34.5 N 23.4 E			
		Crete			
		depth about 43 km			
		Mag : 4.6 (CGS)			
30	Qt	ePZ	06	01	36.0
30	Qt	ePKPZ	08	42	48.4
		USCGS H 08 23 12.2			
		32.5 S 71.6 W			
		Near coast of Central Chile			

Date	Station	Phase	h	m	s
		depth about 33 km			
		Mag : 4.3 (CGS)			
30	Ch	ePZ	08	56	30.0
		eSN		58	03
	Lh	eXN*	09	00	08.0
	Qt	ePZ			43.2
30	Qt	ePZ	10	46	19.7
		USCGS H 10 38 28.9			
		0.1 S 97.8 E			
		Southwest of Sumatra			
		depth about 33 km			
30	Qt	iPZ	19	24	09.6c
		USCGS H 19 14 08.0			
		35.6 N 139.3 E			
		Near south coast of			
		Honshu, Japan			
		depth about 79 km			
		Mag : 4.8 (CGS)			
30	Qt	ePZ	20	40	02.5
		USCGS H 20 27 24.1			
		58.4 N 151.3 W			
		Kodaik Islands region			
		depth about 17 km			
		Mag : 5.1 (CGS)			

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te	Phase	h m s
	QUETTA	
1	ePZ	03 05 48 .7
	e(S)E	06 02 .0
1	ePZ	12 27 07 .4
	eSN	28 04 .2
1	iPZ	21 17 50 .4c
	eSE	19 19 .7
1	ePZ	21 36 38 .0
	eSN	47 .3
2	ePZ	06 36 28 .5
	eSE	13 46 16 .2
3	ePZ	37 .3
4	ePZ	01 48 28 .3
5	ePZ	13 59 39 .2
	eSE	07 00 06 .2
8	ePZ	26 .6
9	ePZ	11 28 58 .7
	eSN	18 21 27 .5
9	ePZ	37 .5
	eSN	21 34 32 .9
10	ePZ	35 07 .2
	eSE	07 37 19 .9
10	ePZ	40 .8
	eSE	11 59 42 .3
11	ePZ	47 .2
	eXZ	18 56 17 .5
	eSN	21 .2
11	ePZ	52 .0
	eSE	19 32 26 .8
11	ePZ	47 .2
	eSE	20 10 21 .5
11	ePZ	36 .4
	eSE	20 25 10 .9
11	ePZ	32 .5
	eSE	21 17 23 .0
11	e(P)Z	18 13 .6
	eSE	06 57 10 .8
12	eSE	14 23 00±
12	ePZ	24 .0
	eSN	02 26 48 .7c
13	ePZ	

Date	Phase	h m s
	eSN	27 14 .5
13	ePZ	09 55 02 .1
	eSN	56 28 .0
14	ePZ	03 51 09 .0
	eSN	20 .2
14	ePZ	16 04 34±
15	ePZ	22 14 04 .6
	eSE	18 .0
15	ePZ	22 16 23 .4
	eSE	36 .4
16	eSZ	17 25 03 .4
17	ePZ	01 03 57 .6
	eSN	04 11 .0
17	ePZ	08 21 03 .2
	eSN	22 .8
17	ePZ	09 46 07 .5
	eSE	47 25 .2
17	ePZ	10 21 13 .9
	eSN	15 .1
17	ePZ	21 33 00 .0
	eSN	23 .4
19	ePZ	05 47 03 .5
	eSN	14 .0
19	ePZ	10 19 16 .1
	eSE	26
20	ePN	02 02 33 .0
	eSN	51 .8
	eSE	03 51 49 .5
20	ePZ	52 02 .5
	eSN	03 54 10 .3
20	ePZ	12 .8
	eSE	07 58 38 .5
21	ePZ	58 .5
	eSN	17 12 54 .5
21	iPZ	13 09 .0
	eSN	17 30 17 .4
22	ePZ	20 .5
	e(S)E	12 11 52 .0
22	eSN	12 53 .1
		17 55 17 .5

Date	Phase	h	m	s
22	iPZ	18	57	01.0
	eSN			27.0
22	ePZ	21	01	34.6
	eSN			47.2
22	ePZ	21	07	33.8
	eSE			46.6
23	ePZ	00	07	41.9
	e(S)N		08	40.5
23	e(S)N	14	54	47.3
23	ePZ	18	19	52.5
	eSE		20	25.0
23	ePZ	20	54	30.1
	eSE		55	03.1
24	ePZ	06	16	09.3
	e(S)N			59.7
24	ePZ	17	38	57.0
	e(S)E		39	09.8
24	ePZ	19	54	01.0
	eSE			18.7
25	ePZ	01	37	22.2
	eSN			42.8
25	ePZ	09	13	56.7
	eSE		14	01.6
25	ePZ	16	29	44.0
	eSN		30	16.0
25	ePZ	16	48	08.1
	eSN			26.2
25	ePZ	19	23	35.0
	eSE		25	10.6
26	ePZ	05	37	27.5
	eSE		38	48.5
26	ePZ	09	11	37.9
	eSN		12	01.6
26	ePZ	13	17	23.3
	eSN			51.4
26	e(P)Z	18	35	49.5
27	ePZ	09	13	16.4
	eSE		14	11.8
27	ePZ	09	41	00.5
	eSN		43	04.0
27	ePZ	10	39	42.1
	eSE		42	12.5
27	ePZ	21	53	09.3
	eSN		54	27
28	iPZ	03	04	45.0
	e(S)E*		06	25.0
28	e(P)Z	04	04	27.4
28	ePZ	05	05	32.4
	e(S)E		06	30.0
28	eSE	20	33	08.4
29	ePZ	05	08	31.5
	eSN			50.9
29	iPZ	18	17	40.5
	e(S)E		18	33.2
29	ePZ	22	26	39.5
	eSN			41.6
30	iPZ	02	20	10.4
	eSE			25.5
30	ePZ	20	42	42.0
	eSN			44.2
30	ePZ	21	42	39.2
	eSN			41.3

WARSAK

1	iPZ	11	47	19.7
	eSN			55.5
1	ePZ	14	21	59.3
2	ePZ	04	35	42.5
2	ePZ	09	38	17.6
2	ePZ	13	12	49.9
2	ePZ	17	43	31.6
	eSZ			59.8
2	iPZ	22	52	29.2
	iSN		53	02.4
3	ePZ	07	13	21.5
	eSZ		14	00.3
5	ePZ	00	55	38.0
	eSZ		56	22.1
5	ePZ	08	54	00.3
5	ePZ	13	21	15.0

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Date	Phase	h	m	s
	eSZ			57.8
6	ePZ	00	43	08.1
	eSZ			37.8
6	ePZ	08	54	33.5
6	ePZ	16	18	54.1
	eSZ		19	07.9
6	ePZ	21	25	47.1
7	ePZ	03	55	03.7
8	ePZ	10	52	19.7
	eSZ			53.8
9	ePZ	11	34	06.4
10	ePZ	00	58	37.8
	eSZ		59	15.4
10	ePZ	12	36	24.3
12	ePZ	06	54	45.7
13	iPZ	09	38	57.8
	iSZ		39	33.5
14	ePZ	00	20	22.6
14	iPZ	11	06	11.3
15	ePN	03	14	16.8
16	ePZ	10	33	29.3
16	iPZ	17	22	46.7
	iSZ		23	18.4
18	ePZ	04	58	11.9
	eSZ			41.1
19	ePZ	11	22	46.6
21	ePZ	19	04	47.8
	eSZ		05	42.2
22	ePZ	09	24	42.5
23	ePZ	00	12	04.8
25	ePZ	07	06	56.4
25	ePZ	15	54	28.8
26	ePZ	01	49	15.0
27	ePZ	02	53	05.5
	eSZ			39.3
27	ePZ	09	39	52.2
27	iPZ	10	03	36.8
27	ePZ	10	42	57.8
27	ePZ	12	50	52.1
	eSZ		51	19.8
27	ePZ	18	10	44.2
	eSZ		11	05.8
28	ePZ	20	30	57.1
	eSZ		31	26.4
29	ePN	14	17	40.1
30	ePZ	15	24	11.2
30	ePZ	22	05	18.7

LAHORE

3	eXE	20	31	36.0
20	eXZ	14	51	49.0
26	eXZ	01	48	48.6

KARACHI

11	ePgZ	12	01	29.0
	eSgZ			36.0
11	ePgZ	17	10	26.5
	eSgE			34.8

CHITTAGONG

2	eXN	23	33	34
4	eXE	11	02	38
6	eXZ	17	29	56
6	eXZ	19	00	56
7	eXZ	03	44	17
7	eXZ	15	25	08
9	eXZ	22	26	48
9	eXZ	22	59	31
9	eXE	23	18	56
10	eXZ	17	57	59
10	eXE	22	35	08
11	eXN	06	21	45
11	iPgZ	10	37	06.4
	iSgN			10.5
12	ePZ	21	11	34
13	eXZ	03	03	09
13	eXZ	16	30	31
14	eXN	17	24	55
14	eXE	18	49	00

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Date	Phase	h m s
14	eXN	20 50 23
14	eXE	23 40 45
15	eXZ	06 14 53
15	eXE	09 18 17
15	eXE	12 58 07
15	eSN	19 22 33
15	eXN	20 42 52
16	eXN	22 47 46
17	eXN	03 40 03
17	eXE	05 06 19
17	eXE	05 36 45
18	eXZ	13 29 59
18	ePZ	18 28 23 .0
19	eXE	00 45 44
19	eXN	05 28 30
20	eXZ	03 33 24
20	eXN	17 36 20
21	eXZ	05 47 05
21	eXZ	08 40 15
21	ePZ	16 38 47 .8
22	eXZ	00 17 58
22	ePZ	20 38 52 .8
26	eXZ	07 33 29
26	eXZ	08 04 02
28	eXZ	05 20 28
30	eXE	10 44 08
30	iSE	13 04 15
30	eXN	19 25 15
30	eXE	20 56 14
30	eXZ	21 49 47

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QUARTERLY
SEISMOLOGICAL BULLETIN
OF
PAKISTAN

Vol. 10 **October to December 1964** **No. 4.**

Issued under the authority of the Director
PAKISTAN METEOROLOGICAL SERVICES
GEOPHYSICAL CENTRE
QUETTA

PRINTED BY THE MANAGER, PRINTING CORPORATION OF PAKISTAN PRESS, KARACHI

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The Seismological Bulletin of Pakistan is a quarterly publication containing data of Seismological Stations of Pakistan.

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Corrigenda

October - December

ge 5 column one dated 5 Oct. Read 62.6N instead 42.6N

ge 6 column one dated 6 Oct. Read 20 19 54.1 instead of 20 19 34

ge 8 column two dated 12 Oct. Read 5.3 instead of 8.3

ge 8 column two dated 12 Oct. Read Ch instead of Qt

ge 8 column two dated 12 Oct Read eSE instead eSH

ge 18 column two dated 25 Oct Read 12 26 29.4 instead of 2? 62 94

ge 30 column one dated 3 Nov. Read 02 25 50.7 instead of 00 25 50.7

ge 30 column two dated 3 Nov. Read 11 09 57.0 instead of 11 09 37

ge 32 column two dated 6 Nov. Read 57.4E instead of 54.4E

ge 33 column two dated 8 Nov. Read ePKPZ instead ePKPZV

ge 41 column two dated 17 Nov. Read 7--7¼ Brk instead of 7¼ Brk

ge 43 column two dated 20 Nov. Read iPPZ instead of IPZ

ge 43 column two dated 20 Nov. Read iPZ instead of iPPZ

ge 56 column two dated 2 Dec. Read 12 32 59.6 instead of 23 25 86

ge 58 column two dated 7 Dec. Read date 7 instead of Blank before Ch

ge 59 column two dated 8 Dec Read 61.0 instead of 61- 6.0

ge 61 column two dated 13 Dec Read USCGSH: 00 13 40 after ePKPZ 00 32 29.5

ge 64 column two dated 18 Dec. Read 57.5W instead of 37.3N

ge 66 column one dated 21 Dec. Read 56.9 instead of 46.9

ge 66 column one dated 21st Dec. Read 28.2c instead of 03 10.0

ge 67 column two last three lines read 23 instead of 22

ge 68 column one Read 47 07.7c instead of 47 7.7c

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SEISMOLOGICAL BULLETIN

of

PAKISTAN

Pakistan Meteorological Services, Geophysical Centre, Quetta.

10 October to December 1964 No. 4

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Particulars of Stations and Instruments

(a) Stations

ation	Symbol	Latitude	Longitude	Height(a.s.l.)	Ground
tta	Qt	30° 11′ N	66° 57′ E	1721 meters	Cretaceous Limestone
ore	Lh	31° 33′ N	74° 20′ E	210 ,,	Alluvium
ach i	Kr	24° 50′ N	67° 02, E	30 ,,	Alluvium
tagong	Ch	22° 21′ N	91° 49′ E	35 ,,	Alluvium
sak	Wr	34° 09′ N	71° 25′ E	343 ,,	River Terrace

(b) Instruments

nstruments	Components	Period Sec To	Period Sec Tg	Damping	Max. Magnification
tta					
engnether	Z	1.9	1.9	Critical	5,500
,,	N	15.8	15.8	,,	15,000
enioff	Z	1.0	0.77	,,	2,00,000
,,	N	1.0	0.76	,,	2,00,000
,,	E	1.0	0.77	,,	2,00,000

(Contd.)

Instruments	Components	Period Sec To	Period Sec Tg	Damping	Max. Magnification
Sprengnether	Z	30 .1	100 .0	Critical	3,000
,,	N	30 .3	100 .0	,,	3,000
,,	E	30 .2	100 .0	,,	3,000
Willmore	Z	1 .0	0 .25	—	—
Sprengnether	E	1 .0	6 .0	—	—
Pen recorder					
Lahore					
Sprengnether	Z	1 .8	1 .8	Critical	4,900
,,	N	1 .7	1 .7	,,	4,200
,,	E	1 .6	1 .6	,,	4,100
Benioff	Z	1 .0	0 .75	,,	6,250
,,	N	1 .0	0 .75	,,	6,250
,,	E	1 .0	0 .75	,,	6,250
Sprengnether	Z	30 .0	100 .0	,,	750
,,	N	30 .0	100 .0	,,	750
,,	E	30 .0	100 .0	,,	750
Karachi					
Sprengnether	Z	1 .8	1 .8	Critical	5,890
,,	N	1 .8	1 .8	,,	4,700
,,	E	1 .4	1 .4	,,	4,700
Chittagong					
Sprengnether	Z	1 .7	1 .7	Critical	5,200
,,	N	1 .8	1 .8	,,	5,700
,,	E	1 .5	1 .5	,,	3,600
Warsak					
Sprengnether	Z	1 .95	1 .95	Critical	8,000
,,	N	1 .8	1 .8	,,	4,000

*indicates long period seismographs
c=compression, d=dilatation, x=unidentified phase
Mu=Actual ground motion of the indicated phase in microns
sec=Period of the indicated phase in seconds
(Pas), (Berk), (Up), (Ki), (Pal), stand for seismological observatories pasadena (U.S.A.) Berkeley (U.S.A.), Uppsala (Sweden), Kiruna (Sweden) & Palisade (U.S.A.) respectively.
All times are in Greenwich Mean Time

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Date	Station	Phase	h	m	s
1	Qt	ePZ	02	45	47.6c
		iXZ		48	13.0
		USCGSH 02 33 03			
		10.5 S 13.3W			
		Ascension Island region			
		depth about 33 Km.			
		Mag : 5.1(CGS)			
1	Qt	ePZ	15	50	27.5c
2	Ch	iPZ	01	07	25.2c
		epPZ			35
		ePPZ		09	19
		eSN		14	30
		esSN			47
	Wr	ePZ	07	54	.2
	Lh	ePZ			54.6
		eSE*	15	24	.0
	Qt	ePZ	08	32	.5d
		esSE*	16	43	.0
		Mu Sec			
		MH 12.6 20			
		△= 58°.2			
		USCGSH 00 58 39.2			
		51.9N 142.9E			
		Sakhalin Island			
		depth about 33 km.			
		Mag. 5.7 (CGS)			
		6.2(Qt)			
2	Wr	ePZ	02	46	13.8
	Lh	ePZ			18.0
		eSE			52.5
	Qt	ePZ			20.2
		eSE		47	00.4
		Mu Sec			
		PZ 0.01 0.8			
		△= 3°.4			
		H 02 45 28.0			
		31.4 N 70.7E			
		Near Dera Ismail Khan			
		West Pakistan			
		depth about 33 km.			

Date	Station	Phase	h	m	s
		Mag. 3.9 (Qt)			
2	Ch	ePZ	13	12	24.8c
		esPZ			52
		ePPZ		15	20
		eSN		22	09
		ePPZ		39	30
	Lh	ePZ		13	50.0
	Wr	iPZ		14	02.3
	Qt	ePZ		14	18.5c
		ePPZ		18	20.0
		eSKSN		25	00.5
		eSN			50.0
		USCGSH 13 00 39.7			
		10.5 S 162.4 E			
		Solomon Islands			
		depth about 68 km.			
		Mag. 6.0(CGS)			
2	Qt	ePKPZ	17	11	31.7
		USCGSH 16 52 06.4			
		21.7 S 67.7 W			
		Chile—Bolivia border region			
		depth about 49 km.			
		Mag. 5.0 (CGS)			
2	Lh	ePZ	20	10	35.5
	Wr	ePZ		11	15.6
	Qt	ePZ			41.6
		e(S)E		13	13.5
2	Wr	ePZ	22	35	50.0
	Qt	ePZ		36	16.5
		eSKSN*		46	46.0
		USCGSH 22 23 32.4			
		59.7 N 144.5W			
		Gulf of Alaska depth			
		about 22 km. Mag.			
		5.2 (CGS)			
3	Wr	ePZ	07	53	19.0
	Qt	ePZ		54	02.4
		e(S)E		58	38.2

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Date	Station	Phase	h	m	s
3	Wr	ePZ	13	39	53.8
		iSZ		40	25.0
	Lh	eXZ		41	43.2
	Qt	ePZ		40	59.3
		eSE		42	11.7
		H 13 39 18			
		Hindukush region			
3	Wr	ePZ	13	51	52.0
	Lh	e(P)Z		52	03.0
	Qt	ePZ			10.4
		iPPZ			19.4
		eSN*	14	02	34 ±
		USCGSH 13 39 39.9			
		61.4 N 147.1W			
		Southern Alaska			
		depth about 48 km.			
		Mag. 5.2(CGS)			
3	Qt	ePZ	20	52	09.4
		USCGSH 20 41 33.5			
		45.3 N 150.0E			
		Kurile Islands			
		depth about 48 km.			
		Mag. 4.5 (CGS)			
3	Wr	ePZ	21	26	40.4
		eSZ		27	12.6
	Qt	ePZ			57.2
		eSE		29	25.5
		H 21 26 02			
		Hindukush region			
3	Qt	iPZ	22	59	39.5d
4	Lh	ePZ	04	23	19.0
		iSN			46.0
	Wr	ePZ			53.5
	Qt	ePZ		24	46.8
		eSE		26	18.5
		H 04 22 45.0			
		32.7 N 76.6 E			
		India-Kashmir border			
		depth about 33 km.			

Date	Station	Phase	h	m	s
4	Qt	ePZ	07	01	44·7c
		eSE		02	11·7
	Kr	ePE			10·7
		Mu Sec			
		PH 0·2 0·6			
		△=2°·7			
	Wr	iPZ	07	02	30·0
	Lh	e(P)Z			31·0
		eSN		03	59·0
		H 07 01 03·5			
		28·5 N 68·6 E			
		about 30 miles north			
		east of Jacobabad			
		(West Pakistan).			
		Felt Jacobabad			
		USCGSH 07 00 57·1			
		27·9 N, 69·2E			
		India- West Pakistan			
		border region.			
		depth about 14 km.			
		Mag: 4.8(CGS)			
		5·0 (Qt)			
4	Wr	ePZ	09	48	51·3
	Lh	eXZ			51·0
		e(S)Z		50	23·0
	Kr	eXE		50	00·0
4	Qt	iPZ	09	56	22·1d
	Wr	ePZ		57	08·4
		West Pakistan after shock			
4	Qt	iPZ	10	54	48·3c
		e(S)E		55	27·0
	Wr	ePZ			34·3
	Kr	e(P)Z		55	40·6
		eSE		56	46·0
	Lh	eXZ			44·0
		West Pakistan after shocks.			
4	Qt	ePZ	15	15	18·3
		eSN			56·6
	Kr	e(P)E		15	35·0

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Date	Station	Phase	h	m	s
	Wr	ePZ		16	04·7
	Lh	eXZ		17	37.0
		H 15 14 30			
		West Pakistan after shock.			
4	Wr	ePZ	21	00	44·2
	Qt	ePZ			54·5
		eXZ		01	13·6
4	Qt	ePZ	22	57	17·5
	Wr	ePZ		58	04·7
	Lh	eXZ			23·0
	Kr	eXe		59	06·0
		West Pakistan aftershock			
4	Qt	ePZ	23	12	09·8
4	Qt	ePZ	23	43	23·3
		e(S)E*			46·4
	Wr	ePZ		44	46·3
	Kr	eXE		46	04·0
5	Wr	ePZ	03	44	33·7
	Lh	eXZ			34·0
	Qt	ePZ		45	16·5c
		ePcPE		46	07·0
		USCGSH 03 35 08·4			
		42·6 N 142·6 E			
		Hokkaido, Japan			
		depth about 38 km			
		Mag. 5·0 (CGS)			
5	Wr	ePZ	16	31	55·0
		eSZ		32	26·0
	Qt	ePZ			53·0
		iSE		34	09·3
		H 16 31 13			
		Hindukush region.			
5	Lh	ePZ	22	19	42·0
	Wr	ePZ			46·7
	Qt	ePZ		20	26·6
		USCGSH 22 10 16·5			
		36·0 N. 141·2E			
		Near coast of Honshu,			
		Japan			
		depth about 62 km.			
		Mag. 4·9 (CGS)			

Date	Station	Phase	h	m	s
6	Wr	ePZ	02	59	05·3
	Qt	ePZ			44·0
		eXZ			54·4
6	Lh	ePZ	06	19	29·0
	Wr	iPZ			51·0
	Qt	ePZ		20	18·6
		eSE		27	25·0
		USCGSH 06 11 32.6			
		18·6 N, 119·6 E			
		Philippine Islands region			
		depth about 33 km.			
		Mag. 6·0 (CGS)			
6	Qt	ePKPZ	07	38	04·7
	Wr	ePKPZ			07·8
		USCGSH 07 17 57·1			
		36·2 S, 100·9 E			
		Southern Pacific Ocean			
		depth about 33 km.			
		Mag. 5.5(CGS)			
6	Qt	ePZ	14	36	32·5
	Wr	iPZ			48·6
	Lh	ePZ		37	17·2
		USCGSH 14 29 55.6			
		40·2 N, 28·1 E			
		Turkey			
		depth about 10 km.			
		Mag. 5.1 (CGS)			
6	Qt	ePZ	14	37	56.0
		eSN*		43	21.0
		Mu Sec			
		PZ 0.1 1.0			
		MH 72.1 20			
		△=34°.4			
	Wr	iPN		38	11.6
		ISN		43	48.1
	Kr	ePZ		38	20.5
	Lh	ePZ		38	40.0d
		ePPZ*		40	08.0
		eSN*		44	36.0
	Ch	ePZ		41	01.0
		ePPZ		43	08

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Date	Station	Phase	h m s
		eSN	48 47
		USCGSH 14 31 19.2	
		40.3 N, 28.2E	
		Turkey	
		depth about 10 km.	
		Mag : 6.0 (CGS)	
		6.1(Qt)	
6	Qt	ePZ	18 34 36.8
		iXZ	42.6
6	Lh	ePZ	20 21 04.0
		eSN	22 12.0
	Wr	ePZ	21 47.3
	Qt	ePZ	22 24.6
		eSE*	24 37.5
		Mu Sec	
		PZ 0.02 0.8	
		△=12°.0	
		H 20 19 34	
		29.8 N, 81.1 E	
		India Tibet border	
		depth about 33 km.	
		USCGSH 20 19 34.1	
		29.3 N 80.9 E	
		Nepal India border	
		depth about 27 km.	
		Mag: 5.1 (CGS)	
		5.4 (Qt)	
6	Wr	ePZ	23 15 06.7
		iSZ	43.8
	Lh	eXZ	16 48.0
	Qt	iPZ	12.0 c
		eSN	17 41.1
		H 23 14 17	
		Hindukush region	
7	Qt	ePZ	00 12 03.5
7	Qt	ePZ	04 05 13.5
		USCGSH 03 52 11.3	
		6.8 S 155.2E	
		Solomon Islands	
		depth about 70 km.	
		Mag: 5.5(CGS)	
7	Qt	ePZ	09 50 30.0d
		eSE	55.2
	Wr	ePZ	51 14.0
		H 09 49 55	
7	Qt	ePZ	11 16 16.6
7	Wr	iPZ	16 10 49.3
	Lh	eXZ	56.0
	Qt	ePZ	11 29.4
		e(S)E	13 42.0
7	Ch	ePZ	23 07 11 ±
	Wr	ePZ	07 18.0
	Qt	ePZ	08 16.4
		eSN	10 44.4
		USCGSH 23 04 47.9	
		32.7 N. 83.9 E	
		Tibet ¶	
		depth about 33 km.	
8	Wr	ePZ	05 42 27.0
		eSZ	56.2
	Qt	ePZ	43 16.5
		eSE	44 26.5
		H 05 41 45	
		Hindukush region	
8	Wr	ePZ	10 49 27.0
	Qt	ePZ	50 42.4
		e(S)E	53 03.6
8	Qt	iPZ	17 05 54.2c
		USCGSH 16 53 23.0	
		52.8 N, 162.0 E	
		Fox Islands Aleutian	
		Islands	
		depth about 33 km.	
		Mag : 4.5 (CGS)	
8	Wr	ePZ	17 27 49.1
		eSZ	28 22.4
	Qt	ePZ	18.0
		H 17 27 06	
8	Wr	ePZ	19 43 26.1
		eSZ	55.8
	Qt	ePZ	44 33.2

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Date	Station	Phase	h	m	s
		eSN		45	56.6
		H 19 42 46			
		Hindukush region.			
8	Wr	ePZ	21	58	27.1
		e(S)Z		59	03.1
	Lh	e(P)Z		58	27.5
	Qt	ePZ		59	33.5
		e(S)N	22	01	22.8
8	Qt	ePZ	22	58	04.0
9	Qt	ePZ	04	04	30.0
		e(S)N		05	11.5
	Wr	ePZ		05	16.2
9	Ch	ePZ	12	50	17.4
	Wr	IPZ		52	01.3
	Qt	iPZ			33.5d
		USCGSH 12 43 04.5			
		28.4 N 138.8 E			
		Bonin Islands region			
		depth about 520 km.			
		Mag. 4.9(CGS)			
9	Qt	ePKPZ	19	45	28.4
		iXZ		48	31.7
	Ch.	ePKPZ		46	07
		USCGSH 19 26 39.7			
		6.8 N. 73.0 W			
		Northern Columbia			
		depth about 157 km.			
		Mag. 5.3 (CGS)			
9	Wr	ePZ	20	07	54.3
	Qt	ePZ		08	22.6
		ePPZ		11	39.0
		USCGSH 19 55 34.7			
		57.0 N 151.9 W			
		Kodaik Islands region			
		depth about 17 km.			
		Mag. 5.1 (CGS)			
9	Qt	ePZ	20	51	03.7
9	Wr	ePZ	21	52	59.0
	Qt	ePZ		53	09.4
		USCGSH 21 34 09.2			
		16.2 S. 171.9 W			
		Samoa Islands region			
		depth about 33 km.			
		Mag: 5¼ (Brk),			
		5.8 (CGS)			
9	Qt	ePZ	23	25	28.4
10	Ch	ePZ	04	50	19.0
		eSN		52	17
	Qt	ePZ		51	54.4
		eXN		54	51.6
	Wr	ePZ		51	57.7
		USCGSH 04 47 46*			
		32.0 N 87.3 E			
		Tibet			
		depth about 20 km.			
10	Wr	ePZ	14	08	33.2
	Qt	ePZ		09	13.8
10	Wr	ePZ	16	32	09.8
		e(S)Z		33	17.8
	Qt	ePZ			07.1d
		e(S)N		34	47.2
	Lh	eX Z		33	21.2
10	Wr	ePZ	19	50	58.3
	Qt.	ePZ		51	25.4c
		USCGSH 19 38 47.7			
		60.4 N 146.1W			
		Southern Alaska •			
		depth about 44 km.			
		Mag. 5.3 (CGS)			
11	Wr	iPZ	10	33	00.3e
	Qt	ePZ			16.2d
		USCGSH 10 21 01.1			
		6.3 S. 145.7 E			
		New Guinea			
		depth about 138 km.			
		Mag. 5.0(CGS)			
11	Wr	iPZ	10	55	50.7c
		iSN		56	18.4
	Qt	ePZ			55.3
		eSE		58	17.8

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Date	Station	Phase	h	m	s
		H 10 55 11			
11	Qt	ePKPZ	14	38	40.6
		ePPZ		41	35.4
	Lh	ePKPZ		38	52.0
		USCGSH 14 19 11.5			
		17.9 S, 71.5 W			
		Near Coast of Peru			
		depth about 35 km.			
		Mag. 5.2 (CGS)			
11	Ch	ePZ	22	22	14.6d
		iPPZ			29
		ePPZ		23	42
		eSNE		27	59
	Lh	ePZ		24	34.0d
		iSN*		32	17.0
	Wr	ePZ.		25	07.9
	Qt	ePZ		25	10.9d
		ePPN		27	38.6
		eSN*		33	27.0
		Mu Sec			
		PZ 0.3 1.0			
		PH 0.2 1.0			
		MH 32.0 20			
		△=61°.2			
		USCGSH 21 15 03.9			
		0.6 S, 121.7 E			
		Northern Celebes			
		depth about 33 km.			
		Mag. 6.3 (CGS),			
		6.3(Qt)			
11	Ch	eXZ	23	40	59
	Wr	ePZ		43	05.5
	Qt	ePZ			25.3c
		USCGSH 23 33 23.9			
		6.0 N, 126.7 E			
		Mindanao, Philippine			
		Islands			
		depth about 121 km.			
		Mag. 5.4 (CGS)			
12	Qt	ePZ	03	46	03.7
12	Wr	ePKPZ	09	34	31.6
	Qt	ePKPZ			31.9
		USCGSH 09 14 52.2			
		55.9 S, 144.1 W			
		South Pacific Cordil-			
		lera .			
		depth about 33 km.			
		Mag. 8.3 (CGS)			
12	Qt	ePZ	12	36	37.3
12	Qt	ePZ	15	50	15.6
		ePPZ			39
		ePPZ		51	50
		eSN		56	10
	Lh	ePZ		52	32.0c
		eSN*	16	00	10.0
	Wr	iPZ	15	52	55.8d
		eSN	16	01	01.7
	Qt	iPZ	15	53	12.3c
		eSH	16	01	35.0
		Mu Sec			
		PZ 0.1 1.0			
		△=62°.4			
		USCGSH 15 42 54.7			
		3.0 N, 126.7 E			
		Talaud Islands			
		depth about 59 km.			
		Mag. 5.9 (CGS)			
12	Ch	ePZ	20	23	58
12	Lh	ePZ	20	35	32.0c
		eSN		36	31.6
	Wr	iPZ		35	33.1c
	Qt	ePZ		36	43.4
		eSE		38	38.5
		H 20 34 14.9			
		35.8 N, 77.8 E			
		Kashmir-China border			
		depth about 96 km.			
12	Ch	ePKPZ	22	15	30.4
		ePKP2Z		16	11
		ePPZ		19	45
	Lh	ePKPZ		15	40.5
		ePPZ		21	13.0

Date	Station	Phase	h	m	s
	Wr	ePKPZ	15	41.0	
		ePPZ	21	14.6	
	Qt	ePKPZ	15	43.2	
		USCGSH 21 55 33.2			
		31.3 S, 110.8 W			
		Easter Island region			
		depth about 25 km.			
		Mag. 6½(Pas),			
		6.0(CGS)			
13	Qt	ePZ	00	59	18.3
13	Ch	ePZ	02	31	16
	Qt	ePZ			36.0
		USCGSH 02 20 49.3			
		44.4 N, 151.6 E			
		Kurile Islands			
		depth about 33 km.			
		Mag. 5.2 (CGS)			
13	Qt	ePZ	02	58	19.5
13	Ch	ePZ	05	39	11
	Qt	ePZ		42	10.4
		USCGSH 05 31 43			
		1.9 N, 126.5 E			
		Molucca Passage			
		depth about 16 km.			
		Mag. 5.1 (CGS)			
13	Qt	ePZ	07	02	03.5
		USCGSH 06 57 48·7			
		34.0 N 45.1 E			
		Iran—Iraq border region			
		depth about 96 km.			
13	Wr	ePZ	10	41	28.6
	Qt	ePZ			54.4
		e(S) N		46	06.1
13	Ch	ePZ	10	49	19.0
		ePPZ			41
		eSN		57	41
	Wr	ePZ		51	18.1
	Qt	ePZ			34.7
		eSN	11	02	12.0
		USCGSH 10 38 59.3			
		3.3 S 49.9E			
		Bismarck sea			
		depth about 59 km.			
		Mag. 5.1 (CGS)			
13	Qt	ePZ	13	29	47.2
13	Qt	ePZ	17	12	18.5
13	Wr	iPZ	23	02	55.0c
		iSN		03	18.6
	Lh	ePZ			37.6
		iSN		04	32.8
	Qt	ePZ		03	58.4c
		eSE		05	12.2
		Mu Sec			
		PZ 0.05 0.8			
		△ =6.5			
	Ch	ePZ	23	07	18.0
		epPZ			50
		eSN		11	14
		H 23 02 24			
		35.7 N 71.2 E			
		Hindukush			
		depth about 160 km.			
		USCGSH 23 02 26			
		35.8 N, 71.1 E			
		Hindukush			
		depth about 120 km.			
		Mag. 5.8(CGS),			
		4.8 (Qt)			
14	Ch	ePZ	03	13	15.0
		eSN		19	51
	Lh	e(P)Z*	14	34.0	
		eSN*	22	23.0	
	Wr	ePZ		14	44.2
		USCGSH 03 04 59.6			
		33.4 N, 141.8 E			
		Off East Coast of			
		Honshu, Japan			
		depth about 33 km.			
		Mag. 5.6 (CGS)			
14	Wr	ePZ	08	11	16·8

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Date	Station	Phase	h	m	s
	Qt	ePZ		12	28·1
		eSE		14	20·3
		H	08	10	04
14	Qt	ePZ	09	49	08·1
14	Qt	ePZ	12	10	29·4
14	Wr	iPZ	12	38	33·5d
		eSZ		39	00·4
	Qt	ePZ		39	37·0
		eSE		40	57·1
		H	12	37	55
		Hindukush			
14	Qt	ePZ	17	30	33·1
		eSN*		34	31·8
	Ch	ePZ		31	30·0
	Wr	ePZ			30·4
	Ch	ePZ		33	15
14	Qt	ePZ	18	14	46·2
		USCGSH 18 04 41·3			
		34·8 N, 138·9 E			
		Near South Coast of			
		Honshu Japan			
		depth about 176 km.			
		Mag : 4·1 (CGS).			
14	Wr	ePZ	20	37	33·0
	Qt	ePZ		38	39·0
		USCGSH 20 26 53·5			
		44·7 N, 149·8 E			
		Kurile Island			
		depth about 49 km.			
		Mag : 5·2(CGS)			
14	Qt	ePZ	20	44	24·9
	Wr	ePZ		45	21·3
		USCGSH 20 39 42·3			
		13·9 N, 54·6 E			
		Socotra Region			
		depth about 9 km.			
15	Ch	eXZ	02	20	26
	Qt	ePZ			08·2
		USCGSH 02 07 06·4			
		6·6 S 154·8 E			
		Solomon Islands			
		depth about 62 km.			
		Mag : 5·1 (CGS)			
15	Wr	ePZ	11	47	22·2
	Qt	ePZ			59·9
		eSE		48	52·2
	Wr	iPZ	15	00	11·1
		iSZ			44·0
	Qt	ePZ		01	11·0
		eSN		02	29·2
15	Ch	ePZ	20	36	01·0
		epPZ			17
		ePPZ		38	05
		eSN		43	24
	Lh	ePZ		36	49·2
		eSN*		44	54·0
		eSSE*		49	02·0
	Wr	iPZ		36	52·8
		eSN		44	57·2
	Qt	iPZ		37	28·6c
		eSE		46	12·0
		Mu	Sec.		
		PZ 0·1	1·3		
		PH 0·1	1·3		
		MH 21·7	20		
		△=66°·0			
		USCGSH 20 26 53·5			
		44·7 N, 149·8 E			
		Kurile Islands			
		depth about 49 km.			
		Mag : 5·2 (CGS),			
		6·0 (Qt)			
15	Ch	ePZ	22	49	40·5
	Lh	eXZ		50	27·4
	Qt	ePZ		51	08·8c
		USCGSH 22 40 32·4			
		44·6 N, 149·9 E			
		Kurile Islands			
		depth about 44 km.			
		Mag : 4·6 (CGS)			

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Date	Station	Phase	h	m	s
15	Qt	ePZ	23	12	27·6
		USCGSH 22 59 43·6			
		56·8 N, 151·9 W			
		Kodiak Islands region			
		depth about 33 km.			
		Mag: 5·2 (CGS)			
15	Qt	ePZ	23	22	08·1
		USCGSH 23 09 25·1			
		56·9 N, 151·7 W			
		Kodiak Islands region			
		depth about 33 km.			
		Mag: 5·3 (CGS)			
16	Ch	eXZ	06	35	53
	Qt	ePKPZ		34	06·4
		epPKPZ		35	14·5
		USCGSH 06 15 31·5			
		23·6 S, 177·6 W			
		South of Fiji Islands			
		depth about 178 km.			
		Mag: 5·5 (CGS)			
16	Ch	ePZ	07	08	47.8c
		epPZ			58
		ePPZ		10	46
		eSN		16	09
	Lh	ePZ		09	36.0
		ePPZ			50.0
		eSN*		17	44.0
	Wr	ePZ		09	39.8
	Qt	iPZ		10	16.5c
		eSN		18	56.6
		Mu Sec.			
		PZ 0.1 1.0			
		△=65°.3			
		USCGSH 06 59 38.6			
		44.4 N, 149.5 E			
		Kurile Islands			
		depth about 33 km.			
		Mag: 5.5 (CGS),			
		6.0 (Qt)			
16	Ch	ePZ	07	30	52.0
	Lh	ePZ		31	40.5
	Wr	iPZ			43.8
	Qt	ePZ			20.1c
		USCGSH 07 21 42.7			
		44.2 N 149.4 E			
		Kurile Islands			
		depth about 33 km.			
		Mag: 5.2(CGS)			
16	Ch	ePZ	07	37	36—
	Qt	ePZ		39	04.4
		USCGSH 07 28 28.3			
		44.3 N. 149.5 E			
		Kurile Islands			
		depth about 52 km			
		Mag: 5.0 (CGS)			
16	Ch	ePZ	07	46	28.0
	Lh	eXZ		47	17.0
		USCGSH 07 37 19.6			
		44.5 N 149.6 E			
		Kurile Islands			
		depth about 33 km.			
		Mag: 4.9 (CGS)			
16	Ch	ePZ	08	27	35.0
		ePPZ			49
		ePPZ		29	34
		eSN		34	55
	Lh	ePZ		28	23.4
	Wr	iPZ			26.3
	Qt	ePZ		29	03.4
		eSN		37	41.2
		USCGSH 08 18 28.3			
		44.6 N, 149.4E			
		Kurile Islands			
		depth about 33 km.			
		Mag: 5.2 (CGS)			
16	Ch	ePZ	09	27	25.4
		eSN		34	46
	Lh	ePZ		28	14.4
	Qt	ePZ			51.9
		eSN		37	34.5
		USCGSH 09 18 16.6			

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Date	Station	Phase	h	m	s
		44.5 N 149.1 E			
		Kurile Islands			
		depth about 33 km.			
		Mag: 5.4 (CGS)			
16	Qt	ePZ	10	05	08.5
16	Qt	ePZ	11	01	35.3
		USCGSH 10 50 59.1			
		44.4 N 149.5 E			
		Kurile Islands			
		depth about 35 km.			
		Mag: 4.4 (CGS)			
16	Ch	ePZ	11	07	40.0
	Qt	ePZ		09	09.0
		USCGSH 10 58 30.6			
		44.1 N 149.5E			
		Kurile Islands			
		depth about 33 km.			
		Mag: 4.6(CGS)			
16	Qt	ePZ	12	14	40.8
		USCGSH 12 04 05.3			
		44.6 N 149.5E			
		Kurile Islands			
		depth about 33 km.			
		Mag: 4.5 (CGS)			
16	Wr	ePZ	12	28	50.2
	Qt	ePZ		29	30.2
		USCGSH 12 18 54.4			
		44.6 N 149.5 E			
		Kurile Islands			
		depth about 33 km.			
		Mag: 4.6 (CGS)			
16	Ch	ePZ	12	46	35.7
		ePPZ		46	
		eSN		53	54
	Lh	eXZ		47	17.0
	Wr	ePZ			25.5
	Qt	ePF		48	02.8
		USCGSH 12 37 26.8			
		44.3 N 149.4 E			
		Kurile Islands			
		depth about 33 km.			
		Mag: 4.9 (CGS)			
16	Ch	ePZ	13	38	40.0
	Wr	ePZ		39	32.0
	Qt	ePZ		40	08.4
		USCGSH 13 29 30.6			
		44.4 N. 149.5 E			
		Kurile Islands			
		depth about 33 km.			
		Mag: 4.9 (CGS)			
16	Qt	ePZ	17	30	12·7
16	Qh	ePZ	17	39	19·2
17	Ch	ePZ	01	49	49.0
		eSN		58	59
	Lh	eXZ		51	14·0
	Wr	ePZ			24·6
	Qt	ePZ			40·8
		iXZ			52·9
		USCGSH 01 38 36·0			
		7·0 S 155·8 E			
		Soloman Islands			
		depth about 58 km.			
		Mag: 4·7 (CGS)			
17	Qt	ePZ	02	12	45·2
		USCGSH 02 00 03·3			
		59·5 N, 145·5 W			
		Gulf of Alaska			
		depth about 33 km.			
		Mag: 5·2 (CGS)			
17	Ch	iPZ	03	24	12·0c
	Lh	ePZ		26	35·0
	Wr	iPZ		27	00·0
	Qt	ePZ			13·6
		eSN*		35	11·0
		USCGSH 03 17 28·1			
		0·7 N, 119·3 E			
		North Celebes Islands			
		depth about 62 km.			
		Mag: 5·4 (CGS)			
17	Qt	ePZ	06	43	11·6

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Date	Station	Phase	h	m	s
		USCGSH 06 34 50			
		42·4 N, 131·0E			
		Eastern Russia-North			
		eastern China			
		depth about 513 km.			
		Mag: 4·5 (CGS)			
17	Qt	ePZ	08	17	18·5
		USCGSH 08 06 17·2			
		37·2 S, 52·2 E			
		South Indian Ocean			
		depth about 33 km.			
17	Qt	ePZ	09	57	22·1
	Wr	ePZ			46·6
		USCGSH 09 50 29·5			
		30·0 N, 25·4 E			
		Crete			
		depth about 33 km.			
		Mag: 4·8 (CGS)			
17	Qt	ePZ	12	17	43·2
		USCGSH 12 07 30·6			
		36·8 N, 141·3 E			
		Near East coast of			
		Honshu, Japan.			
		depth about 34 km.			
		Mag: 4·9 (CGS)			
17	Lh	ePZ	15	11	42·0c
	Wr	ePN		12	05·0
	Qt	ePZ			16·5c
		USCGSH 15 01 14·0			
		7·1 S, 129·4E			
		Benda Sea			
		depth about 117 km.			
		Mag: 5·5 (CGS)			
17	Lh	ePZ	18	35	05·0
	Qt	ePZ			42·3d
		USCGSH 18 25 46·8			
		0·6 S, 122·2 E			
		Northern Celebes			
		depth about 152 km			
		Mag: 4·9 (CGS)			
18	Ch	ePZ	06	25	42·0
	Lh	ePZ		26	23·0
	Wr	ePZ			36·2
	Qt	ePZ		27	12·9
		USCGSH 06 16 35·2			
		44·4 N, 149·7 E			
		Kurile Islands			
		depth about 33 km.			
		Mag: 5·1 (CGS)			
18	Qt	ePZ	08	22	33·4
		ePZ	09	12	10·6
18	Qt	eSN*		16	56·0
		Mu Sec.			
		PZ 0·2 1·5			
		△=28°·7			
	Lh	ePZ		12	30·8
		eSN*		17	34·0
	Wr	ePZ		12	48·8
	Ch	ePZ			52·7
		USCGSH 09 06 26·0			
		2·9 N, 65·7 E			
		Carlsberg Ridge			
		depth about 33 km.			
		Mag: 5·6 (Qt)			
18	Qt	ePZ	10	12	32·6
		eSZ		13	59·4
	Lh	eXZ			46.8
	Wr	ePZ		14	59·7
18	Ch	ePZ	12	39	36·8
		ipPZ		41	16
		ePPZ			36
		ISN		45	26
		ipSN		48	29
	Lh	ePZ		41	43·5
		ePPZ		43	42·7
		iSN*		49	15·0
	Wr	ePZ		42	03.8
		eSN		49	59.4
	Qt	ePZ		42	15.2
		eSN		50	16.0

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Date	Station	Phase	h	m	s
		USCGSH 12 32 24.1			
		7.0 S, 124.0 E			
		Banda Sea			
		depth about 574 km.			
		Mag: 5.8 (CGS)			
18	Wr	ePZ	13	10	10.8
	Lh	eXZ			21.6
18	Qt	ePZ	13	23	37.6
	Wr	ePZ		24	28.1
		USCGSH 13 20 20.3			
		29.7 N, 50.8E			
		Southern Iran			
		depth about 33 km.			
		Mag: 4.9 (CGS)			
18	Wr	ePZ	17	57	45.4
		eSZ		58	39.1
	Qt	ePZ			57.0
		eSE	18	00	46.5
18	Qt	iPZ	21	28	02.9d
		eSE		30	05.0
		Mu Sec.			
		PZ 0.16 0.7			
		△=10.9			
	Wr	ePZ	21	29	05.0
	Lh	ePZ			25.3d
		H 21 25 27.0			
		27.5 N, 54.5 E			
		Iran			
		depth about 33 km.			
		USCGSH 21 25 29.9			
		28.0 N, 54.7 E			
		Southern Iran			
		depth about 61 km.			
		Mag: 4.8 (CGS),			
		5.8 (Qt)			
18	Lh	ePZ	22	07	08.7
	Wr	iPZ			24.4
	Qt	ePZ			47.5
18	Qt	ePZ	22	39	01.4
		e(S)N		41	44.4
	Wr	ePZ		39	16.8
	Lh	ePZ		40	17.2
		USCGSH 22 35 45.5			
		29.7 N, 51.0 E			
		Southern Iran			
		depth about 36 km.			
		Mag: 4.8 (CGS)			
19	Wr	iPZ	00	01	28.0
	Qt	iPZ			30.7d
19	Qt	ePZ	02	04	58.4
19	Lh	ePZ	02	17	06.0
	Wr	ePZ			40.4
	Qt	ePZ		18	28.4
		eSE		20	18.5
		USCGSH 02 15 58.1			
		31.4 N, 79.0 E			
		Tibet-India border region			
		depth about 33 km.			
		Mag: 4.8 (CGS)			
19	Wr	ePZ	07	24	12.3
		iSZ			43.5
	Qt	ePZ		25	15.4
		eSE		26	25.3
		H 07 23 40			
19	Wr	ePZ	12	47	34.0
	Qt	ePZ		48	30.3
		e(S)E		51	58.0
19	Qt	ePZ	13	42	17.5c
		USCGSH 13 29 29.4			
		4.6 S, 152.9 E			
		New Britain Region			
		depth about 70 km.			
		Mag: 4.9 (CGS)			
19	Lh	ePZ	15	43	36.8
		epPZ			45.6
	Wr	ePZ			40.4
	Qt	ePZ		44	16.6c
		USCGSH 15 33 34.9			
		45.1 N, 150.9 E			

Date	Station	Phase	h	m	s
		Kurile Islands			
		depth about 33 km.			
		Mag: 4.6 (CGS)			
19	Qt	ePZ	17	41	56.6
	Wr	ePZ		42	49.5
	Lh	ePZ		43	13.7
		USCGSH 17 38 44*			
		29.8 N, 51.2E			
		Southern Iran			
		depth about 54 km.			
19	Wr	ePZ	17	49	22.1
		eSZ			57.8
	Qt	ePZ		50	27.8
		eSE		51	54.8
		H 17 48 35			
19	Qt	ePKPZ	21	37	36.1
	Wr	ePKPZ			47.8
		USCGSH 21 17 59.8			
		36.1 S, 73.5 W			
		Near coast of Central			
		Chilee,			
		depth about 33 km.			
		Mag. 4.9 (CGS)			
19	Ch	ePZ	21	47	39.2
	Wr	ePZ		48	29.3
	Qt	ePZ		49	05.8
		USCGSH 21 38 28.8			
		44.2 N, 149.3E			
		Kurile Islands			
		depth about 33 km.			
		Mag: 4.5 (CGS)			
20	Wr	ePN	04	29	29.1
20	Wr	ePN	20	30	29.2
21	Qt	ePZ	08	02	22.9
		eSE		03	03.0
	Wr	ePZ		02	55.2
	Lh	eXZ		03	46.0
21	Wr	ePZ	09	28	53.3
	Qt	ePZ		30	03.1
		eSE		32	12.5

Date	Station	Phase	h	m	s
21	Wr	iPZ	14	21	54.6
		iSN		22	20.0
	Qt	iPZ			52.6
		eSN		24	02.8
	Lh	eXZ		23	10.0
21	Ch	eXZ		14	47 40
	Wr	ePN		48	57.1
	Qt	ePZ		49	33.2
		USCGSH 14 32 57.6			
		58.5 N, 151.9 W			
		Kodiak Islands region			
		depth about 33 km.			
		Mag: 5.6 (CGS)			
21	Wr	iPN	17	24	06.7
		iSN			36.2
	Lh	ePZ			46.2
		iSN		25	46.6
	Qt	ePZ			11.6
		eSN		26	30.5
		H 17 23 29			
		26.7 N, 71.5 E			
		Hindukush			
		depth about 160 km.			
		USCGSH 17 23 33.7			
		35.9 N, 71.3 E			
		West Pakistan			
		depth about 181 km.			
		Mag: 4.4 (CGS)			
21	Qt	ePZ	19	26	57.0
		USCGSH 19 17 50.0			
		36.4 N, 4.3 E			
		Algeria			
		depth about 33 km.			
		Mag: 4.4 (CGS)			
21	Ch	ePZ	23	10	47.4
		eSN		11	52
	Lh	ePZ		13	13.5
		eSN*		16	14.0
	Wr	ePZ		13	48.8
		eSN		17	31.4

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Date	Station	Phase	h	m	s
	Qt	ePZ		14	28.1c
		eSN		18	40.5
		Mu Sec			
		PZ 0.1 0.9			
		PH 0.1 0.9			
		H 23 09 14.7			
		27.9 N, 94.7 E			
		India-China border region			
		depth about 33 km.			
		USCGSH 23 09 18.8			
		28.1 N, 93.8 E			
		India-China border region			
		depth about 37 km.			
		Mag: 5.9 (CGS), 5.5 (Qt)			
22	Wr	ePZ	06	36	11.0
	Qt	ePZ		37	21.6
		eSE		39	29.8
22	Wr	iPZ	06	43	00.0c
		iSZ		44	12.0
	Lh	ePZ		43	24 ±
		eSN		44	50.0
	Qt	iPZ			10.6d
		eSN		46	17.3
		USCGSH 06 41 33*			
		38.9 N, 75.8 E			
		Southern Sinkiang Province China			
		depth about 120 km.			
		Mag: 4.4 (CGS)			
22	Qt	ePZ	06	58	40.4
22	Qt	ePZ	09	24	49.4
		eSN*		25	19.0
	Wr	ePZ			17.5
	Lh	e(P)Z			35.2
		eXN		26	30.5
22	Wr	iPZ	09	53	52.2
		iSZ		54	27.2

Date	Station	Phase	h	m	s
	Qt.	ePZ		51	1
		eSE		56	12.8
			10	04	10.5
22	Wr	ePZ			46.6c
	Qt	ePZ			
		USCGSH 09 54 36.9			
		36.7 N, 141.1 E			
		Near east coast of Honshu, Japan			
		depth about 40 km.			
		Mag: 4.8 (CGS)			
		ePZ	12	48	00.6
22	Wr	ePZ			30·9c
	Qt.	ePZ			
		USCGSH 12 37 45·8			
		23·6 N, 142·7E			
		Volcano Island region			
		depth about 86 km.			
		Mag: 4·5 (CGS)			
22	Ch	eXZ		14	16 18
	Qt	ePZ		20	38·9
22	Wr	ePZ	16	40	59·7
		eSZ		41	34·3
	Qt	ePZ			55.2
		eSE		43	11·6
22	Qt	ePZ	18	29	36·4
22	Wr	ePZ	18	54	03·1
	Qt	ePZ			38.7
22	Qt	ePZ	20	39	11·4
22	Qt	ePZ	23	40	58·9
		e(S)E		43	34.8
23	Qt	ePZ	02	10	16·0
		epPZ		14	45·0
		eSKSN*		20	53·0
		ePSN*		24	00·0
	Ch	eXZ		15	08
		USCGSH 01 56 03.2			
		19·8 N, 56·0W			
		North Atlantic Ocean			
		depth about 31 km.			
		Mag: 6·4 (CGS)			
23	Wr	ePZ	02	25	48·8

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Date	Station	Phase	h	m	s
	Qt	ePZ			50·1
23	Qt	ePZ	07	05	23·0
		USCGSH 06 53 25·1			
		2·7S, 142·1E			
		Near north coast of			
		New Guina			
		depth about 33 km.			
		Mag : 4·6 (CGS)			
23	Ch	ePZ	11	17	22·0
	Wr	ePZ		18	11·5
	Qt	ePZ			49·1
		USCGSH 11 08 03·1			
		45·2 N, 152·0E			
		Kurile Islands			
		depth about 33 km.			
		Mag: 4·9 (CGS)			
23	Wr	IPZ	19	26	53·3
		iSN		27	50·2
	Qt	ePZ		28	08·4
		eSE		29	53·6
	Lh	ePZ		28	26 ±
23	Ch	iPZ	21	15	24·0d
		epPZ			35
		eSN		22	33
	Lh	ePZ		16	11·0c
		eSN*		24	07·0c
	Wr	iPZ		16	15·2
	Qt	ePZ			51·3c
		eSN*		25	23·0
		Mu Sec			
		PZ 0·1 0·9			
		MH 4·4 20			
		△=63°.9			
		USCGSH 21 06 24·2			
		44·0 N, 147·5E			
		Kurile Islands			
		depth about 45 km.			
		Mag: 5·9 (CGS),			
		5·8 (Qt)			
24	Wr	ePZ	00	50	11·4
	Qt	ePZ			48·1
		USCGSH 00 40 09·4			
		4·2 N 149·3E			
		Kurile Islands			
		depth about 33 km.			
		Mag : 4·4 (CGS)			
24	Wr	iPZ	01	33	59·8cd
		iSZ		34	34.3
		eSZ			37·1
	Lh	ePZ		35	38·2
		eSN		34	56·8d
	Qt	iPZ		36	18·1
		eSN			
		Mu Sec.			
		PZ 0·07 0.8			
		△ = 7°·2			
		H 01 33 14·0			
		36·5N, 71·1E			
		Hindukush			
		depth about 225 km.			
		Mag : 5·0 (Qt)			
24	Wr	ePZ	06	52	10·6
		eSN		53	22·2
	Lh	ePZ		52	50·1
		eSN		54	13·0
	Qt	ePZ		53	08·6
		eSN		54	49·4
		Mu Sec			
		PZ 0·03 0·8			
		△= 8°·9			
	Kr	ePZ	06	54	15·4
		eSE		56	47·0
		H 06 51 00			
		38·3 N, 71·0 E			
		Tadzhik S.S.R.			
		depth about 100 km.			
		USCGSH 06 51 01·9			
		38·8 N, 71·0E			
		Afghanistan USSR			
		border region			
		depth about 57 km.			

Date	Station	Phase	h	m	s
		Mag. 5·1 (CGS)			
24	Qt	ePZ	08	55	05. 9d
					30.7
	Kr	ePZ			
		USCGSH 08 46 25.0			
		24·0 N, 122·1 E			
		Taiwan region			
		depth about 63 km.			
		Mag: 5.3 (CGS)			
24	Ch	ePZ	13	56	25·4
		USCGSH 13 46 19.1			
		55·8 N, 160·4E			
		Kamchatka			
		depth about 33 km.			
		Mag. 5·0 (CGS)			
24	Qt	ePZ	15	30	25.4
		e(S)E		32	50·3
24	Qt	ePZ	18	48	17·5c
		USCGSH 18 38 25·7			
		66·0 N 145·5 E			
		Eastern Siberia			
		depth about 33 km			
		Mag: 4·5 (CGS)			
24	Ch	eXE	22	16.02	
	Qt	ePZ	17	48·7	
		USCGSH 22 04 57.5			
		4·5 S, 152·9 E			
		New Britain region			
		depth about 49 km.			
		Mag: 5·8 (CGS)			
25	Qt	ePZ	00	21	09.0
25	Wr	ePZ	02	36	28.9
		eSZ		37	29.4
	Qt	ePZ			21.0
		eSE		38	47.2
25	Wr	ePZ	06	44	55.2
		eXZ		48	13.4
	Ch	ePZ			'45.59
	Qt	eXZ			11.3
25	Qt	ePZ	08	08	05.9
		eXE		09	05.7

Date	Station	Phase	h	m	s
		USCGSH 07 59 58.8			
		73.5 N, 53.7 E			
		Novaya Zembya			
		depth about 0 km.			
		Mag: 4.9 (CGS)			
25	Qt	ePZ	09	25	53.5d
25	Qt	ePZ	11	17	31.9
		e(S)N		18	09.4
	Wr	ePZ			03.8
25	Wr	eP KPZ	2	26	29.4
	Qt	eP KPZ			37.4
		ePKPZ			
		eXZ		36	46.4
		UCGSH 12 08 46.9			
		21.7 S, 179.2W			
		Fiji Islands region			
		depth about 534 km.			
		Mag: 5.5 (CGS)			
25	Ch	ePZ	15	41	37.2
		e(S)N		42	41
	Qt	ePZ		44	33.2
25	Wr	iPZ	22	57	29.5
		iSN		58	24.8
	Lh	eXZ*			03.0
	Qt	iPZ			17.6c
		eSN		59	59.6
		Mu Sec			
		PZ 0.05 0.8			
	Kr	ePZ	22	59	23.0
		eSE	23	01	57.2
	Ch	ePZ			25.0
		H 22 56 10			
		39.0 N, 68 5 E			
		Tadzhik SSR.			
		depth about 60 km.			
		USCGSH 22 56 08			
		38.7 N, 70.8 E			
		border region			
		depth about 33 km.			

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Date	Station	Phase	h	m	s
		Mag: 5.0 (CGS)			
25	Qt	ePKPZ	23	15	52.5
	Ch	eXZ		17	02
		USCGSH 22 56 32.8			
		7.0 S, 79.0 W			
		Ecuador			
		depth about 57 km.			
		Mag: 5.4 (CGS)			
26	Qt	ePZ	01	32	58.2
		eSE		36	02.6
	Wr	ePZ		33	35.7
		USCGSH 01 29 21.1			
		32.9 N, 49.2 E			
		Western Iran			
		depth about 33 km			
26	Ch	ePZ	14	30	26.8
		eSN		36	23
	Lh	ePZ		32	42.5
	Wr	ePZ		33	04.8
	Kr	ePZ		33	12.9
		eSE		41	38.0
	Qt	ePZ		33	21.2
		eSN*		41	45.8
		USCGSH 14 22 57.8			
		2.2 N, 126.8 E			
		Molucca Passage,			
		depth about 48 km.			
		Mag: 6.0 (CGS)			
26	Qt	ePZ	14	40	20.6
	Lh	iXZ			35.0
26	Wr	ePZ	15	21	21.4
	Qt	ePZ		22	14.6
	Ch	eXE		25	21
		USCGSH 15 16 47.7			
		42.9 N, 94.4 E			
		Northern Sinkiang			
		Province China			
		depth about 33 km.			
		Mag: 5.3 (CGS)			

Date	Station	Phase	h	m	s
26	Qt	ePZ	20	16	38.7c
		USCGSH 20 07 43*			
		24.0 N, 123.4 E			
		Southern Ryukyu			
		Islands			
		depth about 33 km.			
		Mag: 4.7 (CGS)			
26	Wr	ePZ	20	29	10.0
		eSZ			58.7
	Qt	ePZ		30	17.3
		eSE		32	01.6
26	Qt	ePZ	21	39	38.4
		USCGSH 21 29 26*			
		37.1 N, 141.9 E			
		Near east coast of			
		Honshu, Japan			
		Mag: 3.8 (CGS)			
26	Wr	ePZ	23	46	06.2
	Qt	ePZ		47	13.9
		eSE		49	08.5
27	Wr	ePZ	02	48	44.8
	Qt	ePZ		49	11.6
		USCGSH 02 40 20.9			
		18.9 N, 20.9 E			
		Luzon, Philippine			
		Islands			
		depth about 56 km,			
		Mag: 4.5 (CGS)			
27	Qt	ePZ	19	54	14.0
	Wr	ePZ			16.6
	Ch	eXZ		59	45
		USCGSH 19 46 12.0			
		47.8 N, 16.1 E			
		Austria			
		depth about 39 km.			
		Mag: 5.6 (CGS)			
27	Qt	ePZ	20	18	49.6
		USCGSH 20 00 35			
		27.6 S, 176.8 W			
		Kermadec Islands			

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Date	Station	Phase	h	m	s
		depth about 168 km.			
		Mag. 4.5 (CGS)			
27	Ch	ePZ	21	35	28.0
		ePcPZ			55
		ePPN		38	01
		eScSN		45	25
	Lh	ePZ		36	34.4
		eSN*		46	29.0
		Mu Sec			
		PZ 0.1 10			
		MH 10.9 20			
		△= 80°.1			
		ePZ	21	36	37.6
		eSN*		46	43.0
	Wr	iPZ		36	50.8
		USCGSH 21 24 31.2			
		45.6 S, 96.1 E			
		South east Indian Rise			
		depth about 33 km.			
		Mag. 6.1 (Qt)			
27	Qt	ePKPZ	22	55	42.7
	Wr	ePKPZ			44.1
		USCGSH 22 36 18			
		58.5 S, 66.2 W			
		Drake Passage			
		depth about 33 km.			
		Mag. 5·4 (CGS)			
28	Qt	ePZ	00	11	41.5
		USCGSH 00 22 07.3			
		29.6 S, 70.7 W			
		Central Chile			
		depth about 45 km.			
		Mag. 4.9 (CGS)			
28	Wr	ePZ	16	04	34.2
		eSZ		05	04.6
	Qt	ePZ			23.7
		eSE		06	28.4
28	Qt	ePZ	19	31	18.7
28	Wr	iPZ	19	35	52.0
		iSZ		36	25.2
	Lh	ePZ			33.0
		iSN		37	32.0
		iPZ		36	56.3d
	Qt	eSE		38	14.5
		Mu Sec.			
		PZ 0.07 0.9			59.
		△=7°.1			
	Kr	ePZ	19	37	59.4
		eSE		40	07.5
	Ch	ePZ			11.2
		eSE		44	12
		H 19 35 15			
		36.3 N, 71.4 E			
		Hindukush			
		depth about 200 km.			
		USCGSH 19 35 15.8			
		36.1 N, 71.3 E			
		Afghanistan USSR			
		Border			
		depth about 130 km.			
		Mag. 5.5 (CGS),			
		5.9 (Qt)			
29	Qt	ePZ	01	27	22.6
		USCGSH 01 14 51.0			
		52.7 N, 168.7 W			
		Fox Islands Aleutian			
		Islands			
		depth about 33 km.			
		Mag. 4.3 (CGS),			
29	Wr	ePZ	11	12	12.7
		iSN			42.0
	Qt	ePZ		13	06.0
		eSE		14	16.3
29	Ch	eXZ		13	33 18
	Wr	iPZ		35	36.3
	Qt	ePZ		36	06.6
		USCGSH 13 30 44*			
		26.3 N, 96.7 E			
		Burma			
		depth about 170 km.			

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Date	Station	Phase	h m s
		Mag. 4.7 (CGS)	
29	Qt	ePZ	13 52 16.7
		USCGSH 13 40 36*	
		41.3 N, 29.5 W	
		Azores Islands region	
		depth about 33 km.	
		Mag. 4.6 (CGS)	
29	Wr	ePZ	17 55 04.1
		iSZ	37.9
	Qt	ePZ	56 09.8
		eSE	57 28.5
29	Wr	ePZ	19 04 12.3
		eSE	39.0
	Qt	ePZ	05 22.2
		eSE	06 40.8
29	Qt	ePZ	20 49 46.6
		e(S)E	51.45.2
29	Qt	ePZ	23 20 01.3
		USCGSH 23 07 41.0	
		6.9 S, 143.6 E	
		New Guina,	
		depth about 33 km.	
		Mag. 4.7 (CGS)	
30	Qt	ePKPZ	00 42 33.0
		USCGSH 00 22 48.8	
		38.9 S, 74.1W	
		Off coast of Central	
		Chile	
		depth about 33 km.	
		Mag. 4.7 (CGS)	
30	Qt	ePZ	02 30 54.9
		iXZ	32 31.2
	Wr	eXZ	43.3
30	Qt	ePZ	03 01 32.3c
		eSN*	07 53.0
		Mu Sec	
		PZ 0.1 1.5	
		△= 42°.6	
		Mag. 5.2 (Qt)	
	Wr	ePZ	02 05.2
		USCGSH 02 53 40.8	
		12.1 S, 65.7 E	
		Mid-Indian Rise	
		depth about 28 km.	
		Mag. 5.0 (CGS)	
30	Qt	ePZ	03 45 40.3
		e(S)N	48 03.0
30	Qt	ePZ	04 43 30.2c
	Wr	ePZ	44 03.0
30	Qt	ePZ	06 20 19.4
	Wr	ePZ	54.7
30	Qt	ePZ	06 34 42.4
30	Qt	ePZ	17 25 59.5
		USCGSH 17 13 13.8	
		56.6 N, 152.2W	
		Kodiak Island region	
		depth about 33 km.	
		Mag. 5.1 (CGS)	
30	Qt	ePZ	21 37 36.6
		USCGSH 21 27 04*	
		45.1 N, 148.5 E	
		Kurile Islands	
		depth about 21 km.	
		Mag. 4.3 (CGS)	
31	Qt	ePZ	02 50 03.4
		USCGSH 02 39 38	
		31.6 N, 141.6 E	
		South of Honshu	
		Japan,	
		depth about 41 km.	
		Mag. 4.4 (CGS)	
31	Ch	ePZ	11 17 38
		eSN	18 35
	Qt	ePZ	21 09.5
31	Wr	ePZ	14 40 00.3
		ISN	37.4
	Qt	ePZ	41 04.4
		eSE	42 30.6
31	Qt	iPZ	15 02 01.7c

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Date	Station	Phase	h m s
		eSN	03 47 .6
		Mu Sec	
		PZ 0 .06 0 .9	
		△ =14° .1	
	Wr	ePZ	15 03 06 .3
		USCGSH 14 59 35 .6	
		27 .7 N, 55 .7 E	
		Southern Iran	
		depth about 39 km.	
31	Qt	ePZ	15 24 27 .7
31	Qt	ePZ	15 34 03 .1
31	Qt	ePZ	15 44 32 .5
31	Qt	ePZ	15 58 00 .2
31	Qt	ePZ	17 17 02 .9
31	Ch	ePZ	19 01 36 .0
	Lh	ePZ	03 42 .5
	Wr	ePZ	04 05 .0
	Qt	ePZ	26 .1
		USCGSH 18 54 28 .6	
		8 .8 N, 126 .6 E	
		Mindanao, Philippine	
		Islands	
		depth about 69 km.	
		Mag. 5 .4 (CGS)	
31	Qt	ePZ	20 26 01 .6
31	Qt	ePZ	22 04 41 .6

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Date	Phase	h	m	s
	QUETTA			
1	ePZ	00	17	32·0
	eSE		18	15·5
1	ePgZ	00	27	21·4
	eSgE			42·2
1	ePZ	17	13	35·9
	e(S)E		14	11·0
1	ePZ	23	02	35·7
	e(S)E		03	15·5
2	ePZ	01	39	31·7
	eSE		40	03·1
2	ePZ	12	23	20·1
	eSE			26·5
3	iPZ	04	54	01·2d
	eSE			12·3
3	ePZ	17	42	32·4
	eSE			55·1
4	ePZ	01	00	10·6
4	ePZ	06	57	51·5
	eSE		58	13·5
4	ePZ	07	14	08·3
	e(S)E			44·2
4	ePZ	07	36	37·1
4	ePZ	07	53	34·5
4	ePZ	08	01	10·0
4	ePZ	08	31	14·4
	eSE		32	32·4
4	ePZ	08	44	17·6
	eSE		45	02·5
4	iPZ	10	08	02·5c
	eSE			49·4
4	ePZ	10	14	16·4
	eSE		15	11·6
4	ePZ	11	02	34·9
4	iPZ	11	36	58·2c
	eSE		37	48·2
4	ePZ	12	00	23·5c
	e(S)N		01	16·0
4	ePZ	14	43	42·0
	eSE		44	30·1
4	ePZ	16	30	13·3
	eSE		31	08·2
4	ePZ	16	59	13·9
	eSE	17	00	10·5
4	ePZ	20	45	51·3
	eSN		46	49·9
4	ePZ	21	29	43·5
	eSE		30	35·8
4	ePZ	23	06	12·2
	eSN		07	12·0
5	ePZ	02	05	46·7
	eSE		06	09·5
5	ePZ	08	24	42·7
	eSN		25	33·2
5	ePZ	08	32	00·0
	eSE		33	50·0
5	ePZ	09	19	28·3
	e(S)E		20	21·5
5	ePZ	15	01	18·6d
	eSN			59·4
5	ePZ	18	51	36·6
	eSE		52	40·0
5	ePZ	19	07	44·0
	eSE		08	44·5
5	ePZ	21	24	23·7
	eSE			35·5
6	ePZ	08	25	15·0
	eSE		26	11·6
6	ePZ	08	31	44·9
	eSE		32	21·5
6	ePZ	10	29	42·2
	eSE		31	45·0
6	ePZ	12	29	38·8
	eSE		30	35·0
6	iPZ	23	52	44·2c
	eSE		53	34·5
7	ePZ	01	06	08·0
7	ePZ	05	53	25·6d
	eSE			37·5
7	ePZ	07	30	58·9

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Date	Phase	h	m	s
	eSE		31	48·5
7	ePZ	10	44	20·9
	eSN			34·2
7	ePZ	11	45	22·2
	e(S)E		46	34·5
7	ePZ	17	39	50·3
	eSE		41	07·0
7	ePZ	22	06	47·2d
	eSE			58·9
7	ePZ	22	39	52·4d
	eSE		40	22·5
7	ePZ	23	23	27·2
	e(S)N		24	23·4
8	ePZ	02	27	54·7
8	ePZ	06	03	46·0
8	ePZ	06	35	45·2
8	ePZ	07	12	14·7
	eSE			16·7
8	ePZ	09	08	52·5
	e(S)E		09	36·6
8	ePZ	13	36	44·0
	eSE		37	11·5
8	ePZ	15	08	12·0
	eSE		09	24·2
8	ePZ	15	13	01·2
	eSE		14	49·5
8	ePZ	17	54	41·1
	eSE		55	30·5
8	ePZ	20	42	46·0
	eSN		43	37·2
8	ePZ	20	58	01·4
	eSE			52·0
9	ePZ	09	16	35·5
	eSN		17	25·4
9	ePZ	13	26	30·6
	eSE		27	19·9
9	ePZ	13	32	04·5
	eSN			17·5
9	ePZ	20	18	20·4
	eSE			53·4
9	ePZ	21	13	48·5
	eSE			31·0
9	ePZ	21	22	46·7
	eSE		23	02·4
10	ePZ	01	18	04·1
	eSN			44·0
10	ePZ	06	52	18·3
	eSE		53	00·5
10	ePZ	16	16	31·5
	eSE		17	20·6
10	iPZ	17	37	01·9d
	eSE			04·9
11	ePZ	06	50	14·5
	e(S)E			40·2
11	ePZ	11	20	25·5
	eSE		21	18·5
11	ePZ	15	33	22·7
12	ePZ	00	10	17·5
	eSE		11	46·5
12	ePZ	00	12	17·4
	eSN		13	06·5
12	ePZ	05	22	35·6
	eSE		23	01·2
12	ePZ	07	35	08·4
	eSE			57·5
12	ePZ	08	42	02·5
12	ePZ	14	25	03·8
	eSE			28·4
12	ePZ	14	26	10.0
	eSN		27	09·0
12	ePZ	15	05	07·3
	eSE			29·0
13	ePZ	01	01	39·6
	e(S)E			55·9
13	ePZ	15	11	53·5
	eSN		12	40·2
13	ePZ	17	26	51·4
13	ePZ	20	34	35·5
14	ePZ	01	02	28·3
			03	24·5

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Date	Phase	h	m	s
16	ePZ	09	24	14·4
	eSE		25	07·9
16	ePZ	12	01	30·4
	eSN		03	03·6
16	ePZ	13	11	01·8
	eSE			55·8
16	ePZ	14	34	03·0
16	ePZ	15	34	19·7
	eSE			44·2
17	ePZ	01	55	19·3
	eSN		56	40·5
17	ePZ	06	27	41·4
17	ePZ	15	01	26·7
17	ePZ	22	05	38·4
	eSN		06	13·5
17	ePZ	23	26	06·6
	eSN			11·2
18	ePZ	05	51	17·3
	e(S)E		52	17·0
18	ePZ	17	14	08·1
18	ePZ	18	43	08·0
19	ePZ	13	57	37·0
	eSE			54·5
19	ePZ	14	49	40·6
	eSE			45·4
20	ePZ	02	30	50·2
	eSN		31	24·2
20	ePZ	16	53	28·7
	eSE		54	19·4
21	ePZ	05	15	20·0
	e(S)E		16	08·2
21	ePZ	13	02	58·0
	eSN		03	07·2
21	ePZ	16	40	09·5
21	ePZ	16	48	42·6
	eSZ		49	36·6
21	ePZ	22	00	42·5
	eSN			50·0
22	ePZ	20	15	27·1
	eSN			39·4
23	ePZ	02	47	22·6
	eSN			29·8
23	ePZ	04	10	10·6
	eSE			14·2
23	ePZ	04	11	28·2
	eSE			30·0
23	ePZ	13	17	10·5
	eSE			55·9
23	ePZ	13	22	05·9
	eSE			29·2
24	ePZ	04	38	15·9
	eXZ			43·8
24	ePZ	10	11	02·0
	eSN			09·2
24	ePZ	23	42	08·8
	eSN			35·3
25	ePZ	10	32	45·8
	eSN		33	02·0
25	ePZ	10	42	20·5
	eSN			22·2
25	ePZ	15	30	24·1
	e(S)N		31	16·0
25	ePZ	20	58	21·0
	eSN			30·6
26	ePZ	16	55	07·7
	eSN			09·0
27	ePZ	13	35	33·0
27	ePZ	22	07	02·6
	eSN			19·0
27	ePZ	23	50	30·6
	eSN		51	20·7
28	ePZ	17	46	27·9
28	ePZ	18	38	07±
	eSE		39	51·5
29	ePZ	09	22	43·7
29	ePZ	09	47	11·5
29	ePZ	12	44	43·6
	eSE			55·5
29	ePZ	16	32	35·5
29	ePZ	20	10	43·4

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Date	Phase	h	m	s
	eSN		11	42·2
30	ePZ	00	47	48·5
	eSE		48	43·4
30	ePZ	00	53	35·0
	eSN		54	17·8
30	ePZ	00	55	40·0
	eSN		56	27·1
30	ePZ	01	42	11·3
30	ePZ	14	54	29·0
	eSE			48·5
30	ePZ	16	38	30·0
	eSE		39	54·5
30	ePZ	20	11	47·4
	e(S)N		13	37·5
30	ePZ	21	42	03·0
30	ePZ	21	56	12·4
	eSE		57	25·5
31	ePZ	04	12	40·9
31	ePZ	07	19	08·8
	eSE			45·8
31	ePZ	14	51	01·8
	eSE		52	18·5
	WARSAK			
1	ePZ	08	38	55·0
1	ePZ	12	02	33·7
1	ePZ	12	24	21·5
2	ePZ	01	39	14·5
3	ePZ	17	01	18·0
	eSE			52·4
4	ePZ	07	38	45·5
4	ePZ	12	03	02·4
4	ePZ	13	55	15·3
5	ePZ	16	01	14·0
	eSE			48·4
6	ePZ	07	29	52·3
6	ePZ	16	34	01·1
9	ePZ	13	47	06·5
11	ePZ	15	31	03·1
	eSE			29·8
11	ePZ	20	30	45·6
	eSE		31	13·3
12	ePZ	14	23	02·8
	iSZ			33·1
13	ePZ	02	27	15·8
13	ePZ	08	27	48·3
14	ePZ	01	34	28·7
	iSZ			57·4
14	ePgN	18	16	47·2
	eSgN			48·0
15	ePZ	01	09	59·0
15	ePZ	14	40	46·7
	eSZ		41	16·0
16	ePZ	15	24	59·4
	eSZ		25	22·0
16	iPgN	19	50	25·4
	iSgZ			28·7
19	ePZ	23	55	23·4
	eSZ		56	02·7
20	ePN	11	12	55·2
	eSN		13	20·9
20	ePN	19	30	16·1
	eSN			31·8
20	ePN	20	23	09·8
	eSN			42·4
22	ePZ	21	25	29·8
	eSZ			54·8
23	ePZ	02	13	29·8
23	ePZ	04	09	10·8
	eSZ			42·0
24	ePZ	16	18	19·4
24	ePZ	19	45	51·2
26	ePZ	00	11	41·5
	eSZ		12	10·8
26	ePZ	00	50	04·8
26	ePZ	06	26	01·9
	eSZ			30·6
27	ePZ	06	11	25·1
28	ePZ	00	40	19·8
29	ePZ	03	12	12·1

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Date	Phase	h	m	s
29	ePgN	07	40	05·0
30	ePZ	15	36	31·9
31	ePZ	13	33	44·6
	eSZ		34	12·7
31	ePgZ	19	48	51·9
	iSgZ		49	05·1
	LAHORE			
2	eXZ	01	39	17·5
	eXZ			53·3
5	eXZ	15	02	22·0
	e(S)N		03	42·0
	KARACHI			
1	ePZ	17	11	40·2
	eXZ		15	10·2
2	e(P)E	13	17	51·7
	eSE		24	55·0
4	eXE	07	42	03·5
4	eXE	11	38	12·5
4	eXE	12	03	11·0
	eSE		04	03·5
5	eXE	15	03	20·6
6	ePZ	20	24	55·8
	eSE		26	00·0
7	eXE	07	31	36·0
7	ePE	11	44	53·5
	eSE		45	39·0
29	eXE	22	48	29·5
	CHITTAGONG			
1	eXE	02	56	49
2	eXN	10	03	14
2	eXZ	22	35	32
3	eXZ	13	57	22
4	eXN	20	57	07
6	eXZ	02	58	29
6	eXZ	06	18	22
6	eXZ	19	25	12

Date	Phase	h	m	s
6	eXZ	20	26	51
9	eXZ	04	36	44
11	ePZ	00	25	43
11	ePZ	11	22	47·2
13	eXN	04	31	07
13	eXN	10	23	15
13	eSN			47·5
13	iSN	10	48	11·5
13	eXN	11	44	14
13	ePZ	14	41	09·5
13	eXZ	18	56	08
13	eXZ	19	16	52
13	eXZ	19	40	19
13	iXN	20	51	41
14	eXZ	05	10	15
14	eXN	18	02	48
14	eXZ	18	27	50
15	eXZ	04	42	38
15	eXZ	05	19	44
15	ePZ	21	23	53
15	ePZ	23	12	20
15	eXZ	23	24	05
16	eXZ	00	54	12
16	ePZ	07	26	13·0
16	ePZ	08	42	38·0
16	iPgZ	13	15	00·8d
	iSgN			17
16	eXZ	23	24	55
17	ePZ	07	58	37·7
	eSN			52
19	eXZ	14	09	12
19	iXZ	16	09	19
20	eXE	10	05	16
23	eXE	13	08	55
23	eXE	13	29	03
23	eSN	16	36	23
24	eXZ	06	01	01
24	e(P)Z	06	06	13·1
24	eXE	06	14	39
24	eXZ	17	09	08

Date	Phase	h	m	s
26	eXZ	10	00	39
26	eXZ	18	15	44
27	eXZ	17	42	51
28	eXZ	01	07	55
28	eXE	03	14	47
28	ePgZ	04	11	42·1
	eSgE			52·2
28	eXE	04	37	36
28	eXZ	09	33	59
30	eXZ	23	20	01
30				

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Date	Station	Phase	h	m	s
1	Qt	ePZ	03	18	13.5
		eSZ		19	12.3
	Lh	ePZ		18	36.0
	Wr	ePZ			43.8
1	Wr	iPZ	03	41	27.2c
		iSZ			59.9
	Lh	ePZ			58 ±
	Qt	ePZ		42	26.1d
		eSN			43.45.0

Mu Sec.
PZ .01 0.7
△ =6.9
H 03 40 44.0
35.6 N 71.8 E
Chitral, West Pakistan
depth about 287 km
Mag: 4.0 (Qt)

1	Qt	ePZ	05	24	49.9

USCGS H 05 15 48.4
13.7 N 120.6 E
Mindoro, Philippine Islands
depth about 94k m
Mag : 4.9 (CGS)

1	Wr	ePZ	06	58	38.1
	Qt	ePZ		59	14.2
		eSE	07	01	11.5

H 06 56 43.0

1	Ch	ePZ	12	33	38.6
		epPZE			54.0
		eSN		39	38.0
	Lr	ePZ		35	53.5c
		epPZ		36	11.8
		eSE		43	42.0
	Wr	iPZ		36	14.8d
		iSN		44	26.7
	Kr	iPZ		36	26.6c
		e(S)E		45	15·5
	Qt	ePZ		36	32.8
		eSE		45	02.5
		ePPZ	13	05	33.5

Date	Station	Phase	h	m	s

Mu Sec.
PZ 0.2 1.0
△ =63.6
USCGS H 12 26 06.2
3.1 N 128.1 E
North of Halmahera
depth about 65 km
Mag: 6.3 (CGS),
5¾—6(Pal),
6.0 (Qt)

1	Qt	ePZ	13	52	49.4
	Qt	ePZ	16	08	37.8

USCGSH 15 58 15.1
3.1 N 128.3 E
North of Halmahera
depth about 107 km

1	Wr	ePZ	18	31	56.8
	Qt	ePZ		32	28.5
		e(S)		33	12.2
1	Wr	ePZ	18	52	55.5
		iSZ		53	31.1
	Lh	ePZ			20.7
	Qt	ePZ		54	16.3
		eXE		55	32.2

H 18 52 09.2
36.2N 74.1E
Gilgit
depth about 33 km

2	Qt	ePZ	05	14	59.9

USCGS H 05 03 52.3
7.5 S 128.7 E
Banda Sea
depth about 48 km
Mag: 4.5 (CGS)

2	Wr	ePZ	07	04	20.4
	Qt	ePZ		05	28.6

USCGS H 07 00 51
41.1 N 88.3 E
Southern Sinkiang
Province, China

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Date	Station	Phase	h	m	s
		depth about 33 km			
		Mag: 4.8 (CGS)			
2	Qt	ePKPZ	07	10	14.5
	Ch	ePKPZ			49.1
		USCGS H 06 50 58.2			
		14.1S 76.9 W			
		Northern Peru			
		depth about 91 km			
		Mag: 6.0 (CGS), $6\frac{3}{4}$(Pas)			
3	Wr	ePZ	00	38	41.5
	Qt	ePZ		39	18.3d
		USCGS H 00 29 41.8			
		47.1 N 144.6 E			
		Sea of Okhotsk			
		depth about 353 km			
		Mag: 4.8 (CGS)			
3	Qt	ePZ	02	15	47.5d
		USCGS H 02 05 40.4			
		34.5 N 140.3E			
		Near east coast of Honshu, Japan			
		depth about 86 km			
		Mag: 5.2 (CGS)			
3	Qt	ePZ	02	29	05.7
		eSSE		31	56.6
	Wr	ePZ		29	59.2
		USCGS H 00 25 50.7			
		29.7 N 51.0 E			
		Southern Iran			
		depth about 35 km			
3	Wr	ePZ	04	06	29.6
	Qt	ePZ		07	10.7
		eSE		08	05.0
		H 04 06 54.3			
3	Qt	iPZ	06	05	58.3d
		eSE		06	22.1
	Kr.	ePZ		07	10.5
		eSE		08	30.6
		USCGS H 06 05 33.1			
		31.6 N 66.4 E			
		Afghanistan			
		depth about 38 km			
		Mag: 5.1 (CGS)			
3	Qt	ePZ	06	16	13.3
		eXE		18	23.5
		USCGS H 06 14 31			
		32.4 N 59.1 E			
		Iran			
		depth about 33 km			
3	Qt	ePZ	11	19	30·4
		USCGS H 11 09 37.,			
		34.6 N 138.6 E			
		Near south coast of Honshu, Japan			
		depth about 33 km			
		Mag: 4.6 (Qt)			
3	Ch	ePZ	12	50	15·0
		eSN		55	58·0
	Lh	ePZ		52	30·1
	Wr	iPZ			52·7d
	Kr	ePZ			59·2
	Qt	ePZ		53	07·0
		eSN	13	01	20·6
		USCGS H 12 43 04.7			
		0.1N 123.7 E			
		Northern Celebes,			
		depth about 149 km			
		Mag: 5.4 (CGS)			
3	Ch	ePZ	15	04	52·8
	Lh	ePZ		05	38·1
	Wr	ePZ			40·8
	Qt	ePZ		06	17·04
		USCGS H 14 55 40.1			
		44.6 N 149.0 E			
		Kurile Islands			
		depth about 20 km			
		Mag: 5.0 (CGS)			
3	Wr	ePZ	15	56	54·1
		iSZ		57	23·8
	Qt	ePZ			53·1
		eSE		59	13·0

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Date	Station	Phase	h	m	s
		H 15 56 11			
		Hindukush region			
3	Qt	ePZ	17	39	45·6
		e(S)E		42	47·7
	Wr	ePZ		40	10·7
		UCGS H 17 36 09.5			
		36.0 N 50.6 E			
		Iran			
		depth about 33 km			
		Mag: 5.3 (CGS)			
3	Wr	ePZ	18	41	13·2
	Qt	iPZ			31·0d
		USCGS H 18 28 58.6			
		1.7 S 149.8 E			
		New Ireland region			
		depth about 33 km			
		Mag : 5·8 (CGS).			
4	Wr	ePZ	02	30	41·7
		eSZ		32	49·1
	Qt	ePZ		30	44·8
		eXE		32	25·3
		H 02 27 58			
4	Qt	ePZ	03	48	37·6
		USCGS H 03 37 35·9			
		54·9 N 162·6 E			
		Near coast of Kamchatka			
		depth about 49 km			
		Mag : 5·0 (CGS)			
4	Qt	ePZ	04	31	20·8
4	Qt	ePZ	13	47	22·2
4	Wr	ePZ	14	41	05·3
		eSZ			36·6
	Qt	ePZ		42	05·0
		eSN		43	24·6
		H 14 40 23			
		Hindukush region.			
4	Ch	ePnZ	15	21	33·2
		ePgZ			50
		eSnZ		22	26
		iSnE			32
		eSg			52
	Lh	e(P)Z		24	58·7
	Wr	ePZ		25	29·0
		eSZ		29	40·4
	Qt	ePZ		25	58·0
		eSN		30	44·2
		Mu Sec.			
		PZ ·01 0·8			
		△ = 28°·6			
		USCGS H=15 20 23·5			
		24·8 N 96·1 E			
		Burma			
		depth about 43 km			
		Mag : 4·2 (Qt)			
4	Wr	iPZ	19	46	48·8d
		iSN		47	18·0
	Lh	ePZ			29·3
		iSN		48	30·4
	Qt	iPZ		47	48·5d
		eS		49	06·2
	Kr.	ePZ		48	48·5
		eSE		50	55·5
		Mu Sec.			
		PZ ·07 0·9			
		△=6°·9			
		H 19 46 08			
		36·2 N 71·0 E			
		Hindukush region			
		depth about 160 km			
		Mag : 4·9 (Qt)			
		USCGS H 19 46 06·2			
		36·4 N 70·8 E			
		Hindukush region			
		depth about 210 km			
		Mag : 4·6 (CGS)			
4	Ch	ePZ	21	09	39·0
	Lh	ePZ		11	55·5
	Wr	ePZ		12	17·4
	Qt	ePZ			36·2

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Date	Station	Phase	h m s
		eSN	20 43 ·0
		USCGS H2 1 02 38 ·7	
		6 ·8 N 125 ·4 E	
		Mindanao, Philippine Islands	
		depth about 70 km	
5	Qt	ePZ	00 56 37 ·3
		USCGS H 00 45 30 ·9	
		7 ·0 S 129 ·4 E	
		Banda Sea	
		depth about 95 km	
		Mag : 5 ·2 (CGS)	
5	Qt	ePZ	01 59 54 .7
		USCGS H 01 47 42 .1	
		5 .1 S 146 .1 E	
		East New Guinea region	
		depth about 137 km.	
5	Qt	ePZ	04 31 51 .9
		USCGS H 04 19 39 .5	
		5 .5 S 147 .2 E	
		East New Guinea region	
		depth about 197 km	
		Mag : 4 .9 (CGS)	
5	Wr	ePZ	07 12 19 .1
	Qt	ePZ	43 .0d
		USCGS H 07 01 15 .3	
		9 .2 N 142 .0 E	
		West Caroline Islands	
		depth about 33 km	
		Mag : 4 .8 (CGS)	
5	Wr	ePZ	12 32 28 .1
		eSZ	33 15 .3
	Qt	ePZ	36 .7
		eSE	35 22 .1
		H 12 31 23	
5	Qt	ePZ	13 22 50 .2
5	Wr	ePZ	18 58 11 .5
	Qt	ePZ	52 .7
5	Qt	ePZ	21 02 49 .8
		USCGS H 20 55 42 .9	
		35 .1N 24 .2 E	
		Crete	
		depth about 10 km	
		Mag : 4 .2 (CGS)	
6	Ch	ePZ	10 02 26 .4
		epPZ	45 .0
		eSN	09 43 .0
	Wr	ePZ	03 16 .4
		eSN	11 19 .3
	Qt	ePZ	03 53 .4d
		eSN	12 28 .4
		Mu Sec.	
		MH 8 .0 20	
		△ = 64° .5	
		USCGS H 09 53 22 .4	
		44 .4 N 149 .0 E	
		Kurile Islands	
		depth about 60 km	
		Mag : 5 .7 (CGS), $5\frac{1}{2}$-5-$\frac{1}{4}$ (Pal), 6 .1 (Qt)	
6	Qt	iPZ	14 06 15 .3d
		eSN	14 45 .0
	Wr	iPZ	06 43 .4d
		USCGS H 13 55 53 .7	
		31 .7 S 54 .4 E	
		Atlantic-Indian Rise	
		depth about 33 km	
		Mag : 5 .9 (CGS)	
6	Wr	ePZ	23 52 20 .6
		iSZ	41 .8
	Qt	ePZ	53 14 .7
		e(S)E	21 .6
7	Ch	ePZ	00 55 06 .0
	Wr	ePZ	57 55 .2
	Qt	ePZ	58 .6d
		USCGS H 00 50 08	
		2 .0 N 99 .7 E	

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Date	Station	Phase	h	m	s
		Northern Sumatra			
		depth about 33 km			
		Mag : 5.2 (CGS)			
7	Ch	ePZ	07	55	41 ±
		USCGS H 07 44 05.7			
		6.5 S 148.2 E			
		New Britian region			
		depth about 48 km			
		Mag : 5.3 (CGS)			
7	Ch	ePZ	14	58	26.0
	Lh	ePZ		59	13.3c
	Wr	iPZ			15.0d
	Qt	iPZ			51.2c
		eSN	15	08	30.0
	Kr	ePZ		00	11.0
		Mu Sec.			
		PZ 0.1 1.0			
		△ = 65°.1			
		USCGS H 14 49 13.4			
		45.5 N 150.3 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 5.6 (CGS),			
		5.8 (Qt)			
7	Ch	ePZ	18	42	40.8
		eSN		46	55
	Lh	ePZ		45	02.8
		eSZ	51	00	±
	Kr	ePZ	45	09	0
	Wr	ePZ			32.0
	Qt	iPZ			34.6c
		ePPZ	47	18	.2
		eSN	52	01	.0
		Mu Sec.			
		MH 12.2 20			
		△ = 43°.3			
		USCGSH 18 37 43.7			
		0.4 N 100.1 E			
		Northern Sumatra			
		depth about 107 km			
		Mag : 5.1 (CGS),			
		6.0 (Qt)			
7	Qt	ePZ	21	41	19.4
7	Wr	iPZ	22	04	03.2d
		iSZ			35.9
	Lh	ePZ			44.2
		eSN		06	20.2
		H 22 03 20.5			
		36.3 N 70.7 E			
		Hindukush region			
		depth about 223 km			
		USCGS H 22 03 18.8			
		36.5 N 70.8 E			
		Hindukush region			
		depth about 215 km			
8	Qt	ePZ	00	48	51.5
8	Qt	ePZ	02	01	36.0
8	Qt	ePKPZV	03	02	36.7
		USCGS H 02 43 57			
		49.0 S 163.7 E			
		Auckland Islands			
		region			
		depth about 33 km			
		Mag : 6½ (Pas),			
		6½-6½(Pal)			
8	Qt	ePZ	10	36	43.3
		eSN		39	17.3
	Kr	ePZ	36	56	.6
		eSE	39	39	.0
	Wr	ePZ	39	35	.3
		eSN	40	50	.0
	Lh	ePZ	38	01	
		e(S)N	41	42	.2
		Mu. Sec.			
		PZ .04 0.9			
		△= 13°.9			
		USCGS H 10 33 27-5			
		29.7 N 51.0 E			
		Southern Iran			

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Date	Station	Phase	h m s
		depth about 4.8 (CGS)	
		Mag : 4.8 (CGS),	
		5.1 (Qt)	
8	Qt	ePZ	18 06 00.0
		USCGS H 17 56 31.1	
		34.8 N 133.0 E	
		Near south coast of	
		Honshu	
		depth about 42 km	
		Mag : 5.0 (CGS)	
9	Ch	ePZ	04 52 33.5
		ePPZ	54 28
	Lh	ePZ	44.2c
	Kr	ePZ	55 03.4
	Wr	iPZ	04.4d
	Qt	iPZ	16.1c
		iX	57 49.3
		USCGS H 04 44 19.9	
		7.2 S 128.2 E	
		Banda Sea	
		depth about 129 km	
		Mag : 5.3 (CGS)	
9	Qt	iPZ	08 09 55.7 d
		eSE	13 21.4
	Wr	iPZ	10 10.0 c
	Kr	ePZ	34.3 d
	Lh	ePZ	45.1 d
	Ch	ePZ	13 25.0
		Mu Sec.	
		PZ 0.05 0.6	
		△= 18°.8	
		USCGS H 08 05 48.8	
		39.8 N 48.4 E	
		North western Iran-USSR border region	
		depth about 65 km	
		Mag : 5.1 (CGS),	
		4.8 (Qt)	
9	Qt	ePZ	12 09 14.7
9	Wr	ePZ	12 48 38.5
		eSZ	49 11.0
		ePZ	38.2
	Qt	eSE	50 55.9
		H 12 47 58.2	
		ePZ	14 00 33.9
9	Qt	ePZ	16 14 47 ±
9	Ch	eSN	16 35
		ePZ	15 18.8
	Lh	eSZ	17 12.0
		ePZ	15 56.7
	Wr	eSZ	18 22.4
		ePZ	16 40.1
	Qt	iXZ	44.4
		eSE	19 43.0
		eSSE*	20 04.0
		Mu Sec.	
		PZ .07 1.4	
		△= 16°.7	
		H 16 12 50	
		29.2 N 86.9 E	
		Tibet	
		depth about 33 km	
		Mag : 4.7 (Qt)	
	Kr	ePZ	16 16 55.7
		eSE	20 03.3
		USCGS H 16 12 50.6	
		29.5 N 86.0 E	
		Tibet	
		depth about 33 km	
		Mag : 4.7 (CGS),	
		4.7 (Qt)	
9	Wr	ePZ	18 37 26.5
		iSZ	53.3
	Qt	ePZ	38 56.5
		e(S)E	39 23.7
9	Ch	ePZ	18 49 25.2
	Lh	ePZ	51 42.2
	Wr	ePZ	52 05.0
	Qt	ePZ	33.2
		eSE*	59 46.0

Date	Station	Phase	h	m	s
	Kr	ePZ		52	35.0
		Mu Sec			
		MH 1.2 20			
		△= 50°.9			
		19.3 N 121.0 E			
		Philippine Islands region			
		depth about 33 km			
		Mag : 5.0 (CGS), 5.4 (Qt)			
9	Qt	ePZ	20	23	07.6
10	Qt	ePZ		06	20 30.8
		USCGS H 06 07 49.6			
		59.8 N 144.3 W			
		Gulf of Alaska			
		depth about 42 km			
		Mag : 5.0 (CGS)			
10	Qt	ePZ	12	55	19.1
		USCGS H 12 45 16			
		31.6 N 132.3 E			
		South east of Shikoku, Japan			
		depth about 169 km			
		Mag : 4.7 (CGS)			
10	Qt	ePZ	15	51	28.1 d
		iXZ			32.6
		eSN		54	25.0
	Kr	ePZ		51	54.1
	Wr	ePZ		52	07.6
	Lh	ePZ			36.4
		Mu Sec			
		PZ .03 0.5			
		△= 16°.1			
		USCGS H 15 47 49.3			
		32.6 N 49.1 E			
		Western Iran			
		depth about 28 km			
		Mag : 5.3 (CGS), 4.8 (Qt)			
10	Wr	ePZ	16	45	40.1
	Qt	ePZ			56.6
		USCGS H 16 34 15.5			
		3.7 S 136.5 E			
		West New Guinea			
		depth about 14 km			
		Mag : 5.4 (Qt)			
10	Wr	ePZ	17	17	12.0
		ePZ			53.6
	Qt	ePZ		22	07.5
		eXE			
		USCGS H 17 13 03.9			
		29.8 N 92.2 E			
		Tibet			
		depth about 69 km			
		Mag : 4.6 (CGS)			
11	Wr	iPZ	04	42	37.7 c
		iSZ		43	19.2
	Qt	ePZ			44.0
		eSE		45	16.1
		H 04 41 44.5			
11	Wr	ePZ	05	25	13.7
	Qt	ePZ			45.4
11	Qt	ePZ	05	34	36.4
		USCGS H 05 25 07.6			
		30.7 N 131.3 E			
		Kyushu, Japan			
		depth about 33 km			
		Mag : 4.6 (Qt)			
11	Qt	ePZ	08	14	13.6
		eSN		24	43.0
		USCGS H 08 01 26.1			
		59.4 N 144.6 W			
		Gulf of Alaska			
		depth about 10 km			
		Mag : 5.2 (CGS)			
11	Ch	ePZ	10	26	27.8
		USCGS H 10 16 18			
		56.8 N 161.2 E			
		Near east coast of Kamchatka			
		depth about 33 km			

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Date	Station	Phase	h	m	s	
		Mag : 4.5 (CGS)				
11	Ch	ePZ	13	21	33.4	
	Qt	ePZ		22	18.4	
		USCGS H 13 11 23				
		56.5 N 161.5 E				
		Near east coast of Kamchatka				
		depth about 33 km				
		Mag : 4.5 (CGS)				
11	Ch	ePZ	13	27	48.0	
		eSN		36	05	
	Wr	ePZ		27	56.6	
	Qt	ePZ		28	32.1	
		USCGS H 13 17 37.5				
		56.6 N 161.4 E				
		Near east coast of Kamchatka				
		depth about 33 km				
		Mag : 5.4 (CGS)				
11	Ch	ePZ	14	47	33.2	
	Qt	ePZ		48	17.3	
		USCGS H 14 37 22.6				
		56.8 N 161.1E				
		Near east coast of Kamchatka				
		depth about 33 km				
		Mag : 4.7 (CGS)				
11	Wr	iPZ	15	02	48.3	d
		iSZ		03	19.0	
	Qt	ePZ			47.1	
		eSE		05	06.3	
		H 15 02 05.9				
		Hindukush region				
11	Ch	ePZ	14	47	33.2	
		USCGS H 14 59 36				
		56.9 N 161.7 E				
		Near east coast of Kamchatka				
		depth about 33 km				
		Mag : 4.6 (CGS)				

Date	Station	Phase	h	m	s	
			15	50	28.2	
11	Ch	ePZ		51	12.1	
	Qt	ePZ				
		USCGS H 15 40 18.0				
		56.6 N 161.4 E				
		Near east coast of Kamchatka				
		depth about 33 km				
		Mag : 5.1 (CGS)				
11	Ch	ePZ	16	42	34.2	
	Qt	ePZ		43	19.3	
		USCGS H 16 32 24.5				
		56.5 N 161.2 E				
		Near east coast of Kamchatka				
		depth about 33 km				
		Mag : 5.0 (CGS)				
11	Ch	ePZ	17	07	36.2	
	Wr	ePZ			40.0	
	Qt	ePZ		08	16.7	
		USCGS H 16 57 24.4				
		56.6 N 161.4 E				
		Near east coast of Kamchatka				
		depth about 33 km				
		Mag ; 5.2 (CGS)				
11	Ch	ePZ	17	38	30	±
		USCGS H 17 23 18				
		55.8 N 161.0 E				
		Near east coast of Kamchatka				
		depth about 33 km				
		Mag : 4.4 (CGS)				
11	Ch	ePZ	17	36	32.0	
	Qt	ePZ		37	18.0	
		USCGS H 17 26 25				
		56.8 N 161.8 E				
		Near east coast of Kamchatka				
		depth about 33 km				
		Mag : 4.6 (CGS)				

Date	Station	Phase	h m s
11	Ch	ePZ	17 39 00.0
	Wr	ePZ	09.4
	Lh	ePZ	12.1
	Qt	ePZ	44.7
		USCGS H 17 28 50.5 56.6 N 161.4 E Near east coast of Kamchatka depth about 33 km Mag : 5.1 (CGS)	
11	Ch	ePZ	18 03 29.3
	Qt	ePZ	04 13.6
		USCGS H 17 53 19.3 56.5 N 161.3 E Near east coast of Kamchatka depth about 33 km Mag : 4.9 (CGS)	
11	Ch	ePZ	18 29 01.7
	Wr	ePZ	11.7
	Lh	ePZ	14.1
	Qt	ePZ	46.6
	Kr	ePZ	30 12.8
		USCGS H 18 18 52.7 56.5 N 161.3E Near east coast of Kamchatka depth about 33 km Mag : 5.3 (CGS)	
11	Qt	ePZ	19 02 19.8
11	Ch	ePZ	19 17 06.7
		eSN	25 19.8
	Wr	ePZ	17 15.4
	Lh	ePZ	20.0
	Qt	ePZ	51.2
	Kr	ePZ	18 17.3
		USCGS H 19 06 57.1 56.5 N 161.3 E Near east coast of Kamchatka.	
			19 23 48.6
11	Ch	ePZ	24 02.1
	Lh	ePZ	33.5
	Qt	ePZ	
		USCGS H 19 13 39.3 56.6 N 161.3 E Near east coast of Kamchatka depth about 33 km Mag : 5.2 (CGS)	
11	Qt	ePZ	23 50 13.4
		USCGS H 23 38 47.2 11.9 N 143.1 E South of Mariana Islands depth about 33 km Mag : 4.7 (CGS)	
12	Qt	ePKPZ	05 42 15.2
		USCGS H 05 33 29 18.2 S 176.4 W Fiji Islands region depth about 107 km Mag : 5.2 (CGS)	
12	Wr	ePZ	12 59 14.3
		eSZ	50.7
	Qt	ePZ	13 00 12.6
		eSN	01 31.3
12	Qt	ePZ	09 44 29.5
		USCGS H 09 25 54.1 16.7 S 174.6 W Tonga Islands depth about 190 km Mag : 4.8 (CGS)	
12	Qt	ePZ	13 43 29.9
		USCGS H 13 34 19 27.0 N 127.1 E Ryukyu Islands depth about 33 km Mag : 3.9 (CGS)	
12	Wr	ePZ	16 17 00.0
	Qt	eXZ	39.0

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Date	Station	Phase	h	m	s
12	Ch	ePZ	20	06	03.2
	Qt	ePZ		07	41.2
		USCGS H 19 57 37.0			
		42.1 N 142.5 E			
		Hokkaido, Japan region			
		depth about 69 km			
		Mag : 5.0 (CGS)			
12	Qt	ePZ	23	25	49.7
		USCGS H 23 14 30			
		16.7 N, 145.6 E			
		Mariana Islands			
		depth about 73 km			
13	Wr	ePZ	01	49	35.1
	Qt	ePZ			47.5
		USCGS H 01 38 30.6			
		6.6 S 131.0 E			
		Tanimbar Islands region			
		depth about 53 km			
		Mag : 4.0 (CGS)			
13	Ch	eXZ	13	37	58
	Qt	ePZ		39	45.4
		USCGS H 13 28 03			
		7.4 S 125.4 E			
		Banda Sea			
		depth about 368 km			
13	Qt	ePKPZ	22	16	21.4
		iXZ			26.0
		USCGS H 21 57 30			
		29.2 S 178.1 W			
		Kermadec Islands region			
		depth about 77 km			
		Mag : 5.4 (CGS)			
14	Wr	iPgZ	01	31	16.2
		iSgZ			28.2
14	Qt	ePZ		32	52.8
		eSN		34	02.8
		H 01 31 08			
14	Qt	ePZ	01	33	19.3
14	Ch	ePZ		04	03.1
	Wr	ePZ		04	50.8
	Qt	ePZ		05	27.0c
		eSN		12	59.4
	Kr	ePZ		05	42.1
		USCGS H 03 56 06.0			
		33.6 N 131.6 E			
		Kyushu, Japan			
		depth about 60 km			
		Mag : 5.3 (CGS)			
14	Wr	ePZ	05	11	23.8
		iSZ		12	34
	Qt	ePZ			11.6
		e(S)N		13	49.1
		H 05 09 59			
14	Qt	iPZ	06	06	48.1c
		USCGS H 05 56 47.8			
		36.6 N 140.3 E			
		Near east coast of Honshu, Japan			
		depth about 90 km			
		Mag : 4.9 (CGS)			
14	Ch	ePZ	16	19	00.0
	Wr	ePZ		22	45.6
	Qt	ePZ			54.3
		USCGS H 16 12 16			
		10.3 S 119.9 E			
		Sumba Islands region			
		depth about 33 km			
14	Qt	ePZ	17	06	57.2
		eXZ		07	57.0
		USCGS H 16 54 50.7			
		5·3 S 146·8 E			
		East New Guinea region			
		depth about 228 km			
		Mag : 4·3 (CGS)			
15	Wr	ePZ	01	05	01·8
	Qt	ePZ			36·9

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Date	Station	Phase	h	m	s
		USCGS H 00 55 36·7			
		36·1 N 139·6 E			
		Honshu, Japan			
		depth about 71 km			
		Mag : 4·9 (CGS)			
15	Kr	ePgZ	01	15	23·9c
		eSgE			37·7
	Qt	ePZ		16	27·8
		eSN		17	31·4
		H 01 15 04			
15	Kr	ePgZ	01	18	34·0c
		eSE			50·2
	Qt	ePZ		19	38·0
		eSE		20	36·2
		H 01 18 12			
15	Kr	iPgZ	01	48	01·2c
		eSgE			16·7
	Qt	ePZ		49	04·6
		eSN		50	12·2
		Mu Sec			
		PZ 0·02 0·7			
		△= 5°·8			
	Wr	ePZ			12·5
		H 01 47 39			
		24·9 N 65·2 E			
		Mekran coast, West			
		Pakistan			
		depth about 33 km			
		Mag : 5·0 (Qt)			
15	Qt	ePZ	04	44	25·4
		USCGS H 04 34 30·3			
		9·4 N 126·3 E			
		Mindanao, Philippine			
		Islands			
		depth about 62 km			
		Mag : 5·5 (CGS)			
15	Qt	ePZ	06	37	43·6
		eSN		41	03·2
	Wr	ePZ		38	09·2
	Kr	ePZ			11·1
		USCGS H 06 33 23·5			
		35·6 N 45·7 E			
		Iran—Iraq border			
		region			
		depth about 33 km			
		Mag : 4·7 (CGS)			
15	Wr	ePZ	08	15	51·5
		iSZ		16	20·9
	Qt	ePZ			53·3
		eSN		18	09·0
		H 08 15 14			
		Hindukush region			
15	Qt	ePZ	09	37	04·6
		eSN		39	43·2
	Kr	ePZ		37	27·1
	Wr	ePZ			53·9
		H 09 33 42·5			
		30·8 N 49·6 E			
		Western Iran			
		depth about 33 km			
		USCGS H 09 33 46·7			
		29·9 N 51·0 E			
		Southern Iran			
		depth about 33 km			
15	Ch	ePZ	15	58	11·0
	Lh	ePZ	16	00	18·0
	Wr	iPZ			36·3d
	Qt	ePZ	01	09	22·7
		ePPZ			
		eSN*	08	12	01 13·4
	Kr	ePZ			
		Mu Sec			
		MH 3·6 20			
		△= 49°·4			
		USCGS H 15 52 21·4			
		24·0 N 122·2 E			
		Taiwan region			
		depth about 42 km			
		Mag : 5·4 (CGS),			
		5·7 (Qt)			

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Date	Station	Phase	h m s
15	Wr	iPZ	17 13 27·8d
		iSZ	14 03·6
	Lh	ePZ	08·8
		eSZ	15 10·0
	Qt	iPZ	14 26·1
		eSN	15 45·7
		Mu Sec	
		PZ 0·14 0·8	
		△= 7°·1	
		H 17 12 42·2	
		36·5 N 70·7 E	
		Hindukush region	
		depth about 223 km	
		Mag : 5·2 (Qt)	
	Kr	ePZ	17 15 30·8
		eSE	17 34·8
		USCGS H 17 12 43·9	
		36·5 N 70·9 E	
		Hindukush region	
		depth about 220 km	
		Mag : 5·0 (CGS)	
15	Qt	ePZ	20 13 58·2
		USCGS H 20 03 49·6	
		34·9 N 5·2 W	
		Morocco	
		depth about 3 km	
		Mag : 5·0 (CGS)	
16	Wr	iPZ	04 48 12·1d
	Lh	ePZ*	52·0
		iSN*	49 55·0
	Qt	iPZ	07·1c
		eSN	50 18·0
	Kr	ePZ	11·0
		eSE	52 15·2
		Mu Sec	
		PZ 0·08 0·6	
		△= 6·4	
		H 04 47 36	
		35·6 N 70·7 E	
		Hindukush region	
		depth about 223 km	
		Mag : 5·2 (Qt)	
	Ch	ePZ	04 51 59·6
		eSN	55 39·0
		USCGS H 04 47 27·5	
		36·3 N 70·4 E	
		Hindukush region.	
		depth about 225 km	
		Mag : 5·5 (CGS)	
16	Wr	ePZ	05 25 44·5
		eSZ	26 18·0
			45·7
	Qt	ePZ	28 07·1
		eSE	
		H 05 25 00·5	
		Hindukush region	
16	Qt	ePZ	05 32 38·5
		iXZ	50·4
	Wr	ePZ	55·0
		USCGS H 05 27 33·8	
		39·8 N 39·9 E	
		Turkey	
		depth about 39 km	
		Mag : 5·1 (CGS)	
16	Wr	ePZ	06 03 48·5
	Qt	iPZ	04 48·1c
		eSE	07 00·0
		USCGS H 05 59 57·4	
		49·7 N 78·0 E	
		Eastern Kazakh, S.S.R.	
		depth about 0 km	
		Mag : 6·0 (CGS)	
16	Qt	ePZ	11 12 07·0
16	Qt	ePZ	12 27 10·2
		USCGS H 12 16 19·3	
		47·1 N 154·1 E	
		Kurile Islands	
		depth about 83 km	
		Mag : 4·4 (CGS)	
16	Qt	ePZ	12 49 18·5
	Kr	ePZ	40·9

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Date	Station	Phase	h	m	s
		USCGS H 12 38 29·7			
		47·4 N 154·2 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 5·7 (CGS)			
16	Qt	ePZ	14	01	47·0
		USCGS H 13 50 58·5			
		48·3 N 154·6 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 4·7 (CGS)			
16	Qt	ePZ	20	47	07·8
		iXZ			38·4
		USCGS H 20 35 06			
		51·6 N 178·5 E			
		Rat Islands, Aleutian Islands			
		depth about 33 km			
		Mag : 4·9 (CGS)			
16	Qt	ePZ	22	19	25·0
		USCGS H 22 09 48			
		85·8 N 88·3 E			
		North of Severnaya Zemlya			
		depth about 33 km			
		Mag: 4·5 (CGS)			
16	Ch	ePZ	22	47	26·0
	Lh	ePZ*		49	52·0
		eSN*		57	15·2
	Wr	iPZ		50	15·8d
	Qt	iPZ			30·1
		eSN*		58	26·0
	Kr	ePZ		50	22·4
		Mu Sec			
		PZ 0·1 1·0			
		MH 2·7 20			
		△ = 58°·0			
		USCGS H 22 40 44·0			
		1·0 N 118·8 E			
		Borneo			
		depth about 33 km			
		Mag : 6·7 (CGS), 5·8 (Qt)			
17	Qt	ePZ	01	29	01·2
		USCGS H 01 26 26			
		27·5 N 55·0 E			
		Southern Iran			
		depth about 45 km			
17	Ch	ePZ	08	26	11·0
		eSN		34	44
		iP'P'Z		55	06
	Lh	ePZ		27	58·0
	Wr	iPZ		28	07·5d
	Kr	ePZ			19·8
		eSKSE	38	40	08
		eSE			54·8
	Qt	iPZ			23·3c
		ePPZ	31	42	05
		eSN	38	42	0
		eP'P'E	54	26	2
		Mu Sec			
		PZ ·08 1·0			
		△ = 83°·8			
		USCGS H 08 15 39·3			
		5·7 S 150·7 E			
		New Britain region			
		depth about 45 km			
		Mag: 6·7 (CGS), 7¼ (Pas), 7¼ (Brk), 6.0 (Qt)			
17	Ch	ePZ	11	08	34·0
	Wr	ePZ		11	10·1
	Qt	ePZ			25·2c
17	Qt	ePKPZ	11	20	58·4
		USCGS H 11 03 06·8			
		23·4 S 179·9 W			
		South of Fiji Islands			
		depth about 549 km			
		Mag: 5·5 (CGS)			
17	Qt	ePZ	11	31	06·0

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Date	Station	Phase	h	m	s
			14	48	19 ±
17	Ch	ePZ		50	14·2
	Wr	ePZ			34·1
	Qt	ePZ			
		USCGS H 14 37 53			
		3·5 S 150·1 E			
		New Ireland region			
		depth about 33km			
		Mag: 5·0 (CGS)			
17	Qt	ePZ	16	39	25·6c
17	Wr	iPZ	17	50	40·3d
	Qt	ePZ			54·2
		USCGS H 17 40 57·4			
		0·1 S 122·9 E			
		Northern Celebes			
		depth about 160 km			
		Mag: 5·4 (CGS)			
17	Lh	ePZ*	19	11	06·0
	Wr	iPZ			15·9d
	Qt	ePZ			40·7
		eSN	21	11	12
		Mu Sec			
		MH 2·0 20			
		△=74°·3			
		USCGSH 19 00 10·4			
		12·7N 144·9E			
		South of Mariana Islands			
		depth about 43 km			
		Mag: 5·1 (CGS)			
17	Qt	ePZ	22	56	33·4
		USCGS H 22 50 53·7			
		36·7 N 35·2 E			
		Turkey			
		depth about 37 km			
		Mag: 4·5 (CGS)			
18	Qt	ePZ	13	34	12·5
		USCGS H 13 21 47·2			
		51·7 N 174·2 W			
		Andreanof Islands,			
		Alention Islands			
		depth about 12 km			
		Mag. 5·3 (CGS)			
18	Ch	ePZ	14	45	11 ±
		eXZ			39
		eSE		54	20
		eP'P'Z	15	14	38
	Lh	ePZ	14	46	56·0
	Wr	iPZ		47	11·5d
	Wr	ePZ		47	24·1
	Qt	ePZ			27·3c
		eSE		57	55·3
		Mu Sec			
		MH 4·1 20			
		△=85°·4			
		USCGS H 14 34 54·5			
		6·0 S 148·2 E			
		New Britain Region			
		depth about 49 km			
		Mag: 6·1 (CGS),			
		6·0 (Qt)			
18	Qt	ePKPZ	22	40	00·7
		USCGSH 22 21 01·9			
		20·2S 174·1W			
		Tonga Islands			
		depth about 33 km			
		Mag : 5.8 (CGS)			
19	Qt	ePZ	05	03	21·4
19	Wr	ePZ	06	28	15·3
	Qt	ePZ		29	34 ±
		eSN		30	33·2
		H 06 28 16·5			
19	Wr	iPZ	15	57	52·9d
	Qt	ePZ		58	08·6c
		USCGS H 15 45 31·2			
		3·4 S 150·1 E			
		New Ireland region			
		depth about 33 km			
		Mag: 5·7 (CGS)			
19	Qt	ePZ	18	26	49·2
19	Ch	ePZ	23	45	43·8
		eSE		54	21

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Date	Station	Phase	h	m	s
		ePʻPʼZ	00	14	37
	Lh	ePZ*	23	47	26·8c
		eSN*E*		57	50·0
	Wr	ePZ		47	41·4
	Qt	ePZ			56·1
		eSN		58	28·2
	Kr	ePZ		47	56·2
		eSE		58	43·0

Mu Sec
MH 63·9 20
△= 86°·5
USCGSH 23 35 06·0
6·0 S 150·8 E
New Britain region
depth about 3 km.
Mag: 6·0 (CGS),
$6\frac{3}{4}$ (Pas,Brk),
6·8 (Qt)

20	Qt	ePZ	01	36	23·2

USCGS H 01 23 40·6
6·2 S 150·4 E
New Britain region
depth about 61 km
Mag: 5·2 (CGS)

20	Ch	eXZ	06	39	55
	Wr	ePZ		40	18·3
	Qt	ePZ			45·5
		eXZ		41	07·6
20	Qt	iPZ	10	02	52·9c

USCGS H 09 50 13·5
0·2 S 18·2 W
Central Mid-Atlantic
Ridge
depth about 33 km.
Mag: 5·1 (CGS)

20	Qt	ePZ	16	30	55·6

USCGS H 16 20 04
8·9 S 123·6 E
Flores Islands region
depth about 33 km.

Date	Station	Phase	h	m	s
20	Qt	ePZ	19	16	13·6

USCGS H 19 05 09·7
6·9 S 129·7 E
Banda Sea
depth about 126 km.
Mag. 4·7 (CGS)

20	Lh	ePZ	19	32	44·8
	Qt	iPZ		33	18·1d

USCGS H 19 21 10·0
4·9 S 145·4 E
Near north coast of New
Guinea
depth about 152 km
Mag: 5·8 (CGS)

20	Ch	ePZ	23	42	18·9
		iPZ			29·0
	Lh	ePZ		43	06·8
	Wr	iPPZ			10·6d
	Qt	iPZ			46·2c
		eSE		52	27·6
	Kr	ePZ		44	17·0

Mu Sec
MH 11·6 20
△=65°·5
USCGS H 23 33 08·9
44·6 N 149·7 E
Kurile Islands
depth about 33 km
Mag: 5·6(CGS)

21	Ch	ePZ	00	00	43·2
		eSN	02	29	14
	Lh	ePZ	00	01	13·2
	Wr	iPZ		01	35·7d
	Qt	ePZ		02	12·6c

USCGS H 23 51 35·4
44·6 N 149·5 E
Kurile Islands
depth about 33 km
Mag: 4·9 (CGS)

21	Lh	ePZ	02	25	58·0

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Date	Station	Phase	h	m	s
		ePPZ		26	53·0
		eSN*		33	25·0
	Wr	iPZ		26	19·6d
	Qt	iPZ			34·7d
		eSN		34	35·2
		USCGS H 02 16 44·5			
		1·0 N 124·0 E			
		Northern Celebes			
		depth about 248 km			
		Mag : 5·8 (CGS)			
21	Wr	ePZ	04	08	33·1
	Qt	ePZ			35·2
		eSN*		14	45·0
		USCGS H 04 01 02·0			
		1·9 N ..96·8 E			
		Off coast of northern			
		Sumatra			
21	Wr	ePZ	13	35	47·9
	Qt	ePZ		36	19·0
		USCGS H 13 27 34·0			
		24·2 N 122·4 E			
		Taiwan region			
		depth about 60 km			
		Mag : 4·8 (CGS)			
21	Wr	ePZ	15	45	20·5
	Qt	ePZ			45·2
		USCGS H 15 34 13·2			
		12·8 N 145·2 E			
		South of Mariana			
		Islands.			
		depth about 33 km			
		Mag : 5·4 (CGS)			
21	Lh	ePZ	22	48	28·8
	Wr	iPZ			59·2d
	Qt	ePZ		49	00·8
		USCGS H 22 40 12			
		4·9 S 103·6 E			
		Southern Sumatra			
		depth about 33 km			
		Mag : 5·4 (CGS)			
22	Qt	ePKPZ	02	56	1
		eXZ		57	4·1
		USCGS H 02 38 29			
		17·9 S 178·5 W			
		Fiji Islands region			
		depth about 563 km			
		Mag: 5·0 (CGS)			
22	Wr	ePZ	05	59	00·6
	Qt	ePZ			17·0
		USCGS H 05 46 33·3			
		6·2 S 150·4 E			
		New Britain region			
		depth about 47 km			
		Mag : 5·4 (CGS)			
22	Wr	ePZ	09	36	08·0
	Qt	ePZ			21·7
		USCGS H 09 25 15·8			
		3·4 S 130·7 E			
		Ceram			
		depth about 33 km			
		Mag: 5·4(CGS)			
22	Qt	ePKPZ	20	30	51·5
		USCGS H 20 11 53·0			
		18·8 N 101·4 W			
		Guerrero, Maxico			
		depth about 123 km			
		Mag : 4·5 (CGS)			
22	Qt	ePZ	22	15	41·1
		iXZ			45·2
		USCGS H 22 12 00			
		32·5 N 48·8 E			
		Western Iran			
		depth about 39 km			
23	Kr	ePZ	04	25	36·7
	Wr	ePZ		26	40·4
	Qt	ePZ			44·2c
		USCGS H 04 17 13			
		8·1 S 108·4 E			
		Java			
		depth about 33 km			

Date	Station	Phase	h	m	s
		Mag : 4·6 (CGS)			
23	Wr	iPZ	07	01	14·3e
		iSZ		03	48·4
	Qt	ePZ		02	25·0c
		eSN		05	52·6
		USCGS H 06 57 58·5			
		41·9 N 86·1 E			
		South Sinkiang Province, China			
		depth about 33 km			
		Mag : 4·9 (CGS)			
23	Qt	ePZ	19	05	39·6d
		USCGS H 18 55 35·3			
		36·7 N 140·7 E			
		Near east coast of Honshu.			
		Japan			
		depth about 81 km			
		Mag : 4·6 (CGS)			
23	Wr	iPZ	20	13	28·1c
		iSZ		14	01·6
	Lh	ePZ			08·0
		iSNE		15	10·0
	Qt	ePZ		14	31·7d
		eSE		15	58·0
	Kr	ePZ	20	15	36·2
		Mu Sec			
		PZ ·02 0·5			
		△ = 7°·6			
		H 20 12 42			
		36·5 N 71·0 E			
		Hindukush region			
		depth about 160 km			
		Mag: 5·6 (Qt)			
23	Qt	ePZ	22	13	21·6d
		eS		14	42·8
		H 22 11 36·6			
23	Wr	ePZ	22	25	48·6
	Kr	ePZ			52·9
	Qt	ePZ		26	02·0c
		USCGS H 22 15 47·0			
		0·1 S 124·5 E			
		Molucca Sea			
		depth about 66 km			
		Mag : 5·7 (CGS)			
23	Qt	ePZ	23	19	20·2
24	Qt	ePZ	01	36	54·3
24	Qt	ePZ	01	50	05·5
24	Qt	ePZ	01	51	37·9
		USCGS H 01 38 49·6			
		6·3 S 150·7 E			
		New Britain region			
		depth about 33 km			
		Mag : 5·5 (CGS)			
24	Qt	ePZ	02	41	31·8
		USCGS H 02 32 28			
		25·0 N 125·0 E			
		South Western Ryukyu Islands			
		depth about 33 km			
		Mag : 4·5(CGS)			
24	Qt	ePZ	05	59	12·4
		USCGS H 05 48 32·8			
		8·2 S 122·6 E			
		Flores Islands region			
		depth about 33 km			
		Mag : 5·1 (Qt)			
24	Wr	ePZ	09	20	22·3
		eSZ			57·6
	Qt	ePZ		21	20·5
		eSE		22	41·0
		H 09 19 30			
24	Ch	ePZ	10	47	53·4
		iSN		58	12
	Wr	ePZ		50	36·4
		eSZ		57	54·3
	Qt	ePZ		50	39·5
		eSE*		58	01·3
	Kr	ePZ		50	17·5
		eSE		57	22·0

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Date	Station	Phase	h	m	s
		USCGS H 10 41 33 ·5			
		6 ·8 S 107 ·4 E			
		Java			
		depth about 125 km			
		Mag : 6 ·0 (CGS)			
24	Ch	ePZ	12	47	27 ·4
		eSN		52	46
	Lh	ePZ		49	45 ·0
	Wr	ePZ		50	07 ·0
	Kr	ePZ			27 ·1
		eS		58	17 ·0
	Qt	ePZ		50	30 ·7c
		eSE*		58	17 ·2
		Mu Sec			
		PZ 0 ·1 1 ·0			
		MH 47 ·5 20			
		△= 56° ·7			
		USCGS H 12 40 51 ·4			
		13 ·1 N 124 ·7 E			
		Luzon, Philippine Islands			
		depth about 5 km			
		Mag : 6 ·1 (CGS),			
		6 ·2 (Qt)			
24	Ch	ePZ	12	57	03 ·8
	Kr	ePZ	13	00	05 ·6
	Qt	iPZ			09 ·2c
		USCGS H 12 50 40 ·2			
		13 ·2 N 124 ·9 E			
		Luzon, Philippine Islands			
		depth about 97 km			
		Mag : 5 ·0 (CGS)			
24	Wr	ePZ	21	41	28 ·6
	Qt	ePZ			53 ·7
		USCGS H 21 32 20 ·6			
		13 ·3 N 127 · E			
		Luzon, Philippine Islands			
		depth about 63 km			
		Mag : 4 ·9 (CGS)			
24	Qt	ePZ	23	44	46 ·1
25	Wr	iPZ	04	56	42 ·3c
		iSZ		57	07 ·4
	Qt	ePZ			54 ·0
		eSE		58	41 ·9
		H 04 56 07			
25	Ch	ePZ	08	34	24 ·6
		eSN			31 ·0
	Lh	ePZ		37	25 ·0
	Wr	iPZ			55 ·4d
		eSN		41	54 ·7
	Qt	iPZ		38	27 ·2c
		e(S)N*		43	14 ·0
		USCGS H 08 32 59 ·0			
		26 ·6 N 96 ·3 E			
		depth about 80 km			
		Mag : 5 ·4 (CGS)			
25	Ch	ePZ	09	31	12 ·0
		epPZ			52 ·0
		ePPZ		33	06
		iXN		36	16
		eSN			50
		i(sS)N		39	52
	Lh	ePZ		33	05 ·8
		epPZ		35	03 ·0
		eSZ		40	14 ·6
		e(sS)N*		43	52 ·2
	Kr	ePZ		33	23 ·2
		eSE		40	53 ·9
	Wr	iPZ		33	27 ·2c
		ePPZ		35	27 ·5
		eSN		40	58 ·7
	Qt	iPZ		33	38 ·3d
		ePP		35	40 ·2
		eSE*		41	21 ·0
		Mu Sec			
		PZ 0 ·1 0 ·8			
		△ = 55°7			
		USCGS H 09 24 08 ·9			
		4 ·3 S 122 ·2 E			
		Celebes			
		depth about 610 km			

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Date	Station	Phase	h	m	s
		Mag : 6·2 (CGS), 5·8 (Qt)			
25	Wr	ePZ	11	47	05·7
	Qt	ePZ		48	06·2
		eSE		49	51·5±
	Ch	ePZ		51	20
		H 11 45 50·2			
		39·2 N 69·8 E			
		Tadzhik, S.S.R.			
		depth about 96 km			
		USCGS H 11 45 54·1			
		38·9 N 71·0 E			
		Afghanistan, USSR			
		border region.			
		depth about 85 km			
		Mag: 4·8 (CGS)			
25	Qt	ePZ	19	57	06·7
26	Qt	ePZ	04	52	34·0
		USCGS H 04 48 55			
		33·1 N 49·0 E			
		Western Iran			
		depth about 99 km			
		Mag : 4·7(CGS)			
26	Wr	ePZ	09	46	37·3
	Qt	ePZ		47	40·1
		eSE		49	47·0
		H 09 44 57			
26	Ch	ePZ	10	26	55·8
		eSN		31	34
	Lh	ePZ		29	00·0
		eSN*		35	20·0
	Wr	ePZ		29	18·3
	Qt	ePZ			50·5c
		eSE		36	58·0
		Mu Sec			
		MH 43.9 20			
		△ = 50°·0			
	Kr	ePZ	10	29	57·3
		eSE		37	10·9
		USCGS H 10 21 07·2			
		24·9 N 122·0 E			
		Taiwan region			
		depth about 33 km			
		Mag: 5·4 (CGS), 6—6¼(PAL), 6·4 (Qt)			
26	Qt	ePZ	14	28	32·1
		USCGS H 14 19 47·6			
		24·9 N 122·0 E			
		Taiwan region			
		depth about 33 km			
		Mag : 5·2(CGS)			
27	Ch	ePZ	05	45	08·0
	Qt	ePZ		46	41·3c
		USCGS H 05 36 50·6			
		45·2 N 150·9 E			
		Kurile Islands			
		depth about 33 km			
		Mag : 5·1 (CGS)			
27	Wr	iPZ	05	48	42·7
		iSN		49	21·9
	Qt	ePZ			57·6
		eSE		51	29·4
		H 05 47 58			
		Hindukush region			
27	Qt	ePZ	07	59	19·3
		USCGS H 07 47 07·6			
		62·6 N 151·5 W			
		Central Alaska			
		depth about 113 km			
		Mag : 5·4(CGS)			
27	Wr	iPZ	11	04	31·1d
		iSN		05	00·3
	Lh	ePZ			11·0
		iSN*		06	12·0
	Qt	iPZ		05	27·6d
		eSE		06	36·5
		Mu Sec			
		PZ 0·3 0·6			
		△= 6°·4			

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Date	Station	Phase	h m s
		H 11 03 52	
		Hindukush region	
		depth about 223 km	
		Mag : 5·7 (Qt)	
	Kr	ePZ	11 06 32·0c
		eSE	08 36·1
			38·2
	Ch	ePZ	
		USCGS H 11 03 48·0	
		36·3 N 70·7 E	
		Hindukush region	
		depth about 219 km	
		Mag: 5·2 (CGS),	
		5·7 (Qt)	
27	Ch	ePZ	13 55 38·0
	Lh	ePZ	56 50·5
	Wr	iPZ	57 10·3c
	Qt	ePZ	35·7
		e(S)E	14 04 40·0
		Mu Sec	
		MH 3·1 20	
	Kr	ePZ	13 57 54·3
		USCGS H 13 47 42·7	
		37·9 N 138·3 E	
		Near east coast of	
		Honshu, Japan	
		depth about 36 km	
		Mag : 5·5 (CGS)	
27	Wr	iPZ	18 53 50·9
		eX	55 30·0
	Qt	ePZ	00·4
		e(S)	57 33·7
27	Wr	ePZ	20 45 39·5
	Qt	ePZ	46 47·5
28	Qt	ePZ	11 46 39·5
28	Qt	ePZ	13 01 14·5
		USCGS H 12 51 07·1	
		35·5 N 140·7 E	
		Near east coast of	
		Honshu, Japan	

Date	Station	Phase	h m s
		depth about 72 km	
		Mag : 4·7 (CGS)	
		ePKPZ	16 59 31·8
28	Qt	ePKPZ	47·7
	Wr	ePKPZ	17 00 59·3
	Ch	ePKPZ	
		USCGS H 16 41 33·4	
		7·7 S 71·2 W	
		Western Brazil	
		depth about 626 km	
		Mag : 5·4(CGS)	
28	Qt	iPZ	16 59 45·0d
		eXE	17 03 15·4
28	Qt	ePZ	17 02 10·6
		e(S)E	05 34·6
		iXE	06 43·0
28	Qt	ePKPZ	17 07 40·5
	Ch	ePKPZ	08 58·4
		USCGS H 16 49 30·3	
		8·0 S 71·4 W	
		Western Brazil	
		depth about 655 km.	
		Mag : 5·6(CGS)	
28	Qt	ePZ	17 10 07·1
		e(S)E	14 42·0
29	Wr	ePZ	04 36 01·6
		eSN	37 24·8
	Qt	ePZ	11·7
		eSN	39 35·6
		H 04 34 06	
29	Wr	ePZ	21 06 30·4
	Qt	ePZ	07 03·7
		USCGS H 20 56 39.2	
		31·0 N 141·2 E	
		South of Honshu, Japan	
		depth about 33 km	
		Mag : 4·9(CGS)	
30	Qt	ePKPZ	00 35 32·5
	Wr	ePKPZ	45·4
		USCGS H 00 15 57	

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Date	Station	Phase	h	m	s
		38·9 S 72·4 W			
		Central Chile			
		depth about 87 km			
		Mag : 4·5(CGS)			
30	Ch	ePZ	06	31	01·0
		eSE		35	34
	Qt	ePZ		34	06·5
		USCGS H 06 25 15·7			
		13·8 N 120·7 E			
		Mindoro, Philippine Islands			
		depth about 203 km			
		Mag : 4·9(CGS)			
30	Qt	ePZ	10	20	21·0
		USCGS H 10 10 06·1			
		4·7 N 126·8 E			
		Talant Islands			
		depth about 52 km			
30	Ch	ePZ	12	27	48·4
	Wr	ePZ		30	55·7
	Qt	ePZ		31	05·0
		USCGS H 12 24 09			
		6·2 N 93·7 E			
		Nicobar Islands region			
		depth about 33 km			
30	Ch	ePZ	12	31	17·5
		ePPZ			31
		eSNE		34	08
		Lh ePZ*		33	57·0
		Kr ePZ		34	14·3
		Wr ePZ			27·4
		eSN		42	39·8
		Qt ePZ		34	28·0
		eSE*		40	01·0
		Mu Sec			
		MH 62·5 20			
		△= 35°·7			
		USCGS H 12 27 38·6			
		6·8 N 94·8 E			
		Nicobar Island region			
		depth about 33 km			
		Mag : 5·7(CGS), $6\frac{1}{2}$-$6\frac{3}{4}$ (PAL), 6·4 (Qt)			
3	Wr	iPgN	15	42	05·7d
		iSgN			15·3
	Qt	ePZ		43	07·4
		eSN		44	07·0
		H 15 41 50·0			
30	Qt	ePZ	22	53	11·5
		USCGS H 22 40 46·0			
		53·7 N 167·7 W			
		Fox Islands, Aleutian Islands			
		depth about 69 km			
		Mag : 5·0(CGS)			

Date	Phase	h	m	s
	QUETTA			
	ePZ	09	11	29·0
1	ePZ	10	25	08·0
1	ePZ	12	34	53·5
1	e(S)E		35	33·5
1	ePZ	18	32	28·5
	e(S)E		33	12·2
1	ePZ	20	26	22·0
	eSE			40·5
1	ePZ	23	27	25·5
	eSN			54·2
2	ePZ	00	36	09·8
	eSE			20·4
2	ePZ	02	35	04·6
	eSN			15·4
2	ePZ	03	36	46·5c
	eSE		37	12·6
2	ePZ	07	09	35·3
2	iPZ	21	30	32·6c
	eSN			58·2
2	ePZ	22	50	08·5
3	ePZ	00	58	25·2
	e(S)E			46·0
3	ePZ	05	10	44·0
	eSE		11	11·5
3	ePZ	07	50	56·3
	eSN		51	31·5
3	ePZ	08	19	48·2
	eSE		20	13·4
3	ePZ	10	19	06·3
	eSZ			31·4
3	ePZ	11	02	03·1
	eSE			28·5
3	ePZ	19	26	32·3
	eSE			56·2
3	ePZ	22	52	20·6
	eSN			48·6
3	ePZ	23	32	52·1
	eSE		33	22·6
4	ePZ	17	37	48·7
	eSE		38	110
5	ePZ	01	00	27·2
	eSE			52·0
5	ePZ	01	09	47·4
	eSE			59·0
5	ePZ	02	42	26·0
	eSE			28·9
5	ePZ	04	36	18·5
	eSE			43·5
5	ePZ	10	05	00·5
5	ePZ	11	16	02·4
	eSE		17	37·4
5	ePZ	14	08	23·4
	eSN			56·7
5	ePZ	14	27	40·7
	e(S)E		28	08·5
5	ePZ	14	55	39·5
	eSE		56	24·4
5	ePZ	18	44	06·6
	eSE			59·6
6	ePZ	02	04	43·5
	e(S)E		05	20·0
6	e(P)Z	02	19	39·2
6	ePZ	06	09	32·7
	eSE			39·7
6	ePZ	14	55	20·5
	eSE			38·5
6	iPZ	18	17	12·3d
	eSE			37·6
7	ePZ	04	01	07·2
	eSN			22·1
7	ePZ	07	46	43·5
7	ePZ	15	04	29·6
	eSN			40·5
8	ePZ	00	27	36·2
8	ePZ	02	08	18·5
	eSN			34·2
8	ePZ	06	27	20·8

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Date	Phase	h	m	s
	eSN			43·5
8	ePZ	07	26	35·4
	eSN			48·6
8	ePZ	16	42	37·6
	eSN		43	03·8
9	ePZ	19	45	05·2
9	ePZ	19	47	18·8
	eSE			29·6
10	ePZ	01	10	02·8
10	ePZ	04	06	01·0
	e(S)E			23·0
10	ePZ	09	07	03·2
	eSE			26·0
10	ePZ	16	06	37·4
10	ePZ	19	29	33·0
	eSN			41·2
11	eSE	01	35	41·3
11	ePZ	01	41	37·6
11	ePZ	02	03	47·0
11	ePZ	17	04	22·5
11	ePZ	22	46	07·0
	eSE			54·5
12	ePZ	07	41	40·6
	eSN			52·2
12	ePZ	12	10	02±
	eSN			19·2
12	ePZ	19	25	25.8
	eSN		26	08.5
13	ePZ	04	41	30.1
13	ePZ	08	34	27.0
	eSN			52.7
13	ePZ	11	05	00.0
	eSN			13.3
13	ePZ	20	15	28.5
14	ePZ	01	41	27.3
	eSN			33.2
14	ePZ	07	12	54.1
	eSN			13 16.5
14	ePZ	08	42	30.2
	eSE			36.0

Date	Phase	h	m	s
14	iPZ	14	46	11.2
	eSN			17.6
14	ePZ	17	52	54.8
	eSE		53	17.5
15	ePZ	02	36	56.2
	eSN		37	40.9
15	ePZ	13	11	52.0
15	ePZ	14	16	45.7
	eSE			56.8
15	ePZ	17	23	44.5
	eSE		24	01.2
15	ePZ	21	23	24.5
	eSE			42.4
16	ePZ	00	56	12.4
	eSE			29.5
16	ePZ	18	52	16.7
	eSN		53	10.5
17	ePZ	00	19	25±
	eXZ		20	14.0
17	ePZ	01	48	29.1
	eSE			32.0
18	ePZ	09	10	58.9
	eSE		11	00.0
18	ePZ	17	05	46.0
	eSE			58.2
19	ePZ	06	29	34±
	eSN		30	33.2
19	ePZ	10	40	35.4
	eSN			50.7
20	ePZ	09	35	17.0
	eSN			40.2
20	ePZ	11	46	47.2
	eSN			55.5
21	ePZ	01	03	19.9
	eSN		04	31.0
21	ePZ	05	30	15.4
	e(S)E			18.3
21	ePZ	10	50	22.4
	eSE		51	12.5
21	ePZ	12	56	34.5

Date	Phase	h	m	s
21	ePZ	19	31	41.0
	e(S)E		32	28.5
22	ePZ	00	15	44.3
22	eXZ	03	12	48.6
22	iPZ	20	51	42.0c
	eSN			57.4
23	ePZ	15	48	55.5
	eSE			57.0
23	ePZ	16	46	50±
	e(S)N		47	41.0
23	ePZ	20	03	49.9
24	ePZ	00	12	35.5
	eSN			38.0
24	ePZ	00	48	39.9
24	ePZ	07	19	27.6
24	ePZ	08	08	49.5
	eSE		09	05.5
24	ePZ	09	03	53.0c
	eSE		04	18.5
24	ePZ	17	56	02.5
	eSN			26.2
25	ePZ	05	03	39.3
	eSE		04	12.0
25	ePZ	20	54	32.6
	eSN		55	25.5
26	ePZ	01	10	10.0
	eSE			12.6
26	ePZ	01	50	07.2
	eSE			23.0
26	ePZ	05	53	00.5
	eSN			10.7
26	ePZ	06	49	16.2
	e(S)E		50	21.5
26	ePZ	06	57	29.0
	eSN		58	12.5
26	ePZ	07	42	26.7
	eSZ		43	01.5
26	ePZ	16	49	28.0
26	ePZ	17	59	03.2
	e(S)E			26.3

Date	Phase	h	m	s
26	ePZ	18	26	30.0
	eSE			57.3
26	ePZ	19	33	45.3
	eSN			46.5
26	ePZ	22	59	24.0
	eSE			48.8
27	e(P)Z	04	29	25.2
27	ePZ	10	18	01.6
	eSE			34
28	ePZ	18	27	53.5
	eSN		28	04.5
28	ePZ	23	17	13·3
29	ePZ	07	27	18·0
	e(S)E		28	13·6
29	ePZ	07	31	48·5
	eSN		32	15·6
29	ePZ	08	01	56·7
	eSE		02	44·5
29	ePZ	17	13	05·5
29	ePZ	20	26	01·0
	eSE			03·1
29	ePZ	21	01	05·0
	eSN			15·5
29	ePZ	22	51	09·0
	eSN			10·1
29	ePZ	22	58	54·3
	e(S)E		59	27·6
30	ePZ	13	36	34·5
30	ePZ	17	31	28·9
	eSN			44·5
30	ePZ	21	50	06·3
	eSE		51	18·0

WARSAK

2	ePZ	09	27	01·3
2	ePZ	09	51	00·0
2	ePZ	14	25	27·3
2	ePZ	21	41	09·9
2	ePZ	21	58	40·0
3	ePZ	09	40	20·5
	ISE			48·2

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ate	Phase	h	m	s
3	ePZ	11	03	52·0
7	ePZ	02	24	30·8
	eSZ			59·5
7	iPZ	15	19	57·3
	iSZ		20	17·5
7	ePZ	20	39	26·0
7	ePZ	21	41	47·7
8	iPgZ	01	48	36·9
	iSgZ			47·5
8	ePZ	07	41	11·6
8	ePZ	09	10	42·9
8	iPZ	13	18	01·1
	iSZ			30·4
8	ePZ	13	36	48·8
10	ePZ	04	03	59·0
	eSZ		04	29·7
10	ePZ	06	52	24·0
	eSZ			50·3
10	ePZ	19	15	22·2
10	ePZ	21	29	40·0
11	ePZ	08	12	13·8
	eSZ			57·5
11	ePZ	11	14	33·3
	eSZ		15	07·9
11	ePZ	19	23	07·7
	eSZ			51·4
11	ePN	22	36	18·4
	eSN			51·4
12	ePZ	00	18	58·4
	eSZ		19	22·0
12	ePZ	06	33	41·3
12	ePZ	17	11	52·7
12	ePZ	17	33	58·6
13	ePZ	04	39	18·0
	eSZ			50·7
13	ePZ	12	37	49·3
	eSZ		38	29·7
13	ePZ	13	10	35·2
13	iPZ	16	53	23·8d
	iSZ		54	01·5

Date	Phase	h	m	s
14	ePZ	23	12	44·4
15	iPZ	04	58	05·8d
	iSZ			22·9
15	ePZ	13	09	50·0
	eSZ		10	18·7
16	ePZ	16	40	04·1
	eSZ			47·1
17	ePZ	00	27	42·5
	eSZ		28	17·6
17	ePZ	01	57	30·1
	eSZ			58·2
17	ePZ	13	05	08·0
	eSZ			44·5
18	ePZ	01	23	10·1
	eSZ			40·5
18	ePZ	01	48	28·8
18	ePZ	22	12	48·6
18	ePZ	12	41	22·6
19	ePZ	10	49	27·4
	eSZ			47·4
20	ePZ	06	32	25·8
	eSZ		33	13.0
20	ePZ	09	50	18·7
	eSZ			42·2
21	ePZ	01	02	09·4
	eSZ			37·9
21	ePZ	05	28	01·0
	eSZ			35·5
21	ePZ	10	16	36·5
	eSZ		17	01·2
22	ePZ	00	15	46·0
22	ePZ	01	17	53·6
	eSZ		18	32·5
22	ePZ	03	40	24.0
	eSZ			53·1
22	ePZ	11	50	21·7
22	ePZ	13	34	52·7
	eSZ		35	10·4
22	ePZ	19	07	43·0
	eSZ		08	00·0

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Date	Phase	h	m	s
22	ePZ	23	55	53·8
24	iPZ	14	04	51·7d
	iSZ		05	09·9
26	ePZ	03	11	08·1
	eSZ			45·5
26	ePZ	03	58	04·0
26	ePZ	17	17	32·5
	eSZ		18	11·6
27	ePZ	12	49	28·6
28	ePZ	18	25	42·0
	eSZ		26	10·7
29	ePZ	07	09	52·7
	eSZ		10	20·4
29	ePZ	22	29	20·1
29	ePZ	22	48	41·5
	eSZ		49	14·1
30	ePZ	06	40	19.1
	LAHORE			
1	e(P)Z	18	33	33·2
3	eXZ	04	06	53·0
	eXZ		07	30·0
3	eXZ	06	07	18
	eXZ			51
3	eXZ	17	40	50·1
5	eXZ*	10	03	13·3c
8	eXZ	18	05	12·5
11	eXZ	19	08	27·5
	eXZ			57·1
15	eXZ*	09	42	04·0
23	eXZ	22	25	04·0
25	eXZ	11	48	10·0
27	eXZ	05	49	29·0
	eXZ		50	29·0
	KARACHI			
1	ePZ	03	19	31·5
15	ePgZ	21	57	27·4
	eSgE			42·3
16	ePZ	07	05	38·4
19	ePZ	02	26	29·8

Date	Phase	h	m	s
20	ePZ	03	42	34·0
	e(S)E		43	44·5
23	ePZ	07	26	37·4
	eSE			58·0
23	eXZ	12	04	17·9
24	ePZ	00	56	52·7
25	ePZ	08	23	50·3
	e(S)E		29	28·8
	CHITTAGONG			
1	eXE	18	33	41
2	eXE	05	19	00
2	eXZ	09	30	10
2	eXZ	16	39	16
2	eXZ	19	31	08
3	eXZ	02	13	51
3	eXZ	06	10	51
3	ePZ	11	17	34·0
3	ePZ	17	43	29±
3	eXZ	19	03	46
4	eXZ	02	32	05
4	ePZ	03	09	31·0
	eSN			47·0
4	eXZ	03	48	04
4	eXZ	04	41	40
4	eXZ	13	50	50
4	eXZ	17	27	45
4	eXZ	19	52	40
5	eXZ	05	18	50
5	eXZ	23	44	24
7	eXZ	04	27	50
7	eXZ	07	55	41
7	eXZ	11	30	27
7	eXZ	22	08	45
8	eXZ	02	58	35
8	eXZ	07	39	33
9	eXZ	16	11	32
10	eXZ	11	03	14
10	eXZ	15	56	50
10	eXZ	17	17	15

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Date	Phase	h	m	s
11	eXN	02	01	33
11	ePZ	17	11	24·0
11	eXZ	19	11	23
11	eXZ	20	48	49
12	ePZ	05	24	53·0
12	ePZ	06	35	47·0
12	ePZ	11	22	34·1
12	eXZ	23	53	27
13	eXZ	13	29	59
13	ePZ	17	54	19·8
14	eXZ	09	43	40
15	eXZ	17	19	29
16	ePZ	05	01	30·0
16	eXZ	05	36	42
16	eXZ	06	06	05
17	eXZ	05	11	33
17	ePZ	05	42	24·0
18	eXZ	13	33	35
18	eXZ	22	38	38
18	eXZ	23	50	33
19	eXZ	14	19	00
19	eXZ	15	58	00
20	ePZ	11	45	45·0
20	eXZ	19	13	52
21	eSZ	02	29	14
21	eXZ	04	05	53
21	eXZ	13	34	50
22	eXZ	02	52	52
22	eXZ	07	58	40
22	ePZ	08	33	39±
22	ePZ	11	23	12
22	eXZ	18	10	26
23	eXZ	17	27	54
24	eXZ	21	39	10
26	eXE	14	29	31
26	eXZ	16	54	33
26	ePZ	19	31	09
26	iSN	20	41	16±
27	eXZ			27
27	eXZ	06	20	18
29	eXZ	07	50	13
29	ePZ	02	19	49
30	eXZ	04	30	01
30	iPZ	04	33	02
30	eSN	09	44	12·5d
30	eXZ			33·5
30	eXZ	13	04	20
		13	33	37

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December, 1964

Date	Station	Phase	h	m	s
1	Qt	ePKPZ	05	11	54.5d
		eXZ		12	29.5
		USCGSH 04 53 23.9			
		18.9S, 175.8W			
		Tonga Island			
		Depth about 232 km.			
		Mag: 5.5 (CGS)			
1	Qt	ePZ	07	49	25.7
		USCGSH 07 39 50.2			
		79.5N, 3.9E			
		Greenland Sea			
		Depth about 33 km.			
		Mag: 4.7(CGS)			
1	Wr	ePN	08	24	35.5
	Qt	ePZ			46.7
		e(S)E		28	08.0
		H 08 20 19.7			
1	Ch	ePZ	11	48	16±
		eSN		50	16.0
		eXN			32.0
	Qt	ePZ		51	44.2
		USCGSH 11 45 21			
		10.6 N, 93.4E			
		Andaman Island region			
		depth about 33 km.			
		Mag: 4.7 (CGs)			
1	Qt	ePZ	15	15	54.0
1	Qt	ePZ	17	11	55.6d
2	Wr	iPZ	07	18	18.1c
		iSZ			46.3
	Qt	ePZ		19	21.5
		eSN		20	40.0
		H 07 17 40			
		Hindukush region			
	Lh	eXZ	08	23	40.0
	Wr	iPZ			59.0c
		iSN		25	39.7
	Qt	ePZ		24	37.5
		eSE		27	08.6
	Ch	ePZ		25	47±
		USCGSH 08 21 43.3			
		29.5 N, 81.3E			
		Nepal			
		depth about 23 km.			
		Mag: 5.1 (CGS)			
2	Qt	ePZ	10	02	33.2
		e(S)E		04	54.8
	Wr	ePZ		02	47.0
2	Wr	ePZ	2	32	58.6
		eSZ		34	13.4
	Qt	ePZ		33	56.6
		eSE		35	39.6
	Ch	ePZ		37	02.0
		USCGSH H 12 31 45			
		38, 9N, 70.6E			
		Afghanistan USSR			
		border region			
		depth about 33 km.			
		Mag: 4.7(CGS)			
2	Ch	iPZ	13	30	24.8c
	Wr	ePZ			34.3
	Qt	iPZ		31	03.0c
		USCGSH 13 18 29.0			
		53.8 N, 165.4 W			
		Fox Islands, Aleution			
		Islands			
		depth about 35 km.			
		Mag: 5.0 (CGS)			
3	Kr	ePZ	03	57	30.6
	Ch	ePZ		58	11.3c
		ePPZ		59	55.0
		eSN	04	04	46
		eXN			50
	Qt	ePZ	03	58	12.7d
		eS	04	04	56.0
	Lh	ePZ	03	58	28.0
		eSN	04	05	18.0
	Wr	ePZ	03	58	43.6
		Mu sec			
		MH 6.7 20			

tation	Phase	h	m	s
	△46°.2			
	USCCSH 03 50 01.2			
	15.0 S, 66.8 N			
	Mid-Indian Rise			
	depth about 46 km.			
	Mag 6.1 (CGS), 5.9(Qt)			
Wr	iPN	07	35	18.7c
	iSN			48.4
	ePZ		36	17.2
Qt	eSN		37	34.4
	H 07 34 38			
	Hindukush region			
Wr	iPZ	10	24	10.7c
	iSZ			35.8
Qt	ePZ		25	02.1
	eSE		26	06.2
	H 10 23 37.3			
	Hindukush region			
Ch	ePZ	11	34	53.2
	eSE		36	39
Wr	ePZ			12.6
Qt	ePZ		37	06.3
	eSN		40	44.0
	H 11 31 37			
	35.9N, 97.0E			
	Tsinghai, China			
	depth about 33 km.			
3 Qt	ePZ	13	43	01.7
3 Qt	ePZ	22	35	26.0
	e(S)N		37	36.0
Wr	ePZ		35	48.0
	USCGSH 22 32 38			
	36.6 N, 55.6 E			
	Iran			
	depth about 33 km.			
	Mag 4.7(CGS)			
4 Wr	iPZ	05	33	11.2c
	iSZ			55.9
Qt	iPZ		34	05.0d

Date	Station	Phase	h	m	s
		eSE		35	15.9
		H 05 32 33.4			
4	Qt	ePZ	07	53	13.5
		USCGSH 07 43 47			
		77.3 N, 6.4 E			
		Svalbard region			
		depth about 33 km.			
		Mag 4.9 (CGS)			
4	Qt	ePZ	10	27	57.8
4	Ch	ePZ	15	59	19
		eSE	16	07	51
		ePPZ		28	20
	Lh	ePZ*		01	02.0
		eSN*		11	15.0
	Qt	ePZ*		01	32.2
		eSKSE*		12	03.0
		eSN*			14.0
		USCGSH 15 48 43.4			
		6.4 S, 150.7E			
		New Britain region			
		depth about 19 km.			
		Mag 5.2 (CGS)			
4	Qt	ePZ	21	24	19.5
		USCGSH 21 11 40.0			
		5.5 S, 151.2E			
		New Britain region			
		depth about 101 km.			
		Mag 5.2(CGS)			
5	Qt	ePZ	00	43	03.3
		eSN		44	23.0
5	Wr	iPZ	17	26	37.3c
		iSZ			56.4
	Qt	ePZ		27	42.2
		eSE		28	51.5
		H 17 26 11			
		Hindukush region			
5	Qt	ePZ	20	02	44.0
		USCGSH 19 50 01.6			
		59.4 N, 144.8 W			
		Gulf of Alaska			

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Date	Station	Phase	h m s
		depth about 33 km	
		Mag 4.7(CGS)	
5	Ch	ePZ	22 41 51.5
	Qt	ePZ	42 45.8
		USCGSH 22 31 44.3	
		54.0 N, 161.5E	
		Near east coast of Kamchatka	
		depth about 38 km.	
		Mag 5.2(CGS)	
5	Qt	ePZ	23 13 24.0
6	Ch	ePZ	00 01 46.5
	Qt	ePZ	02 41.2
		USCGSH 23 51 38.8	
		53.9 N, 161.5E	
		Off coast of Kamchatka	
		depth about 38 km.	
		Mag 5.3 (CGS)	
6	Ch	ePZ	00 06 07.0
	Qt	ePZ	07 01.3
		USCGSH 23 55 59.2	
		54.0 N, 161.5E	
		Near East Coast of Kamchatka	
		depth about 39 km.	
		Mag 5.0 (CGS)	
6	Qt	ePZ	00 50 51.8
6	Qt	ePZ	02 55 14.5
6	Ch	ePZ	04 36 24.2
	Qt	ePZ	38 56.9
		eSN	48 36.4
		USCGSH 04 27 16	
		2.3 S, 138.3E	
		West New Guinea	
		depth about 33 km.	
		Mag 5.0(CGS)	
6	Qt	ePZ	05 57 27.5
		e(S)E	59 53.4
		IXZ	06 00 53.5
6	Qt	ePZ	08 15 21.7
			33
	Ch	eXZ	14 40 50.6
6	Qt	ePZ	43 11.1
		e(S)E	16 12 36.0
6	Lh	ePZ*	13 05.0
		iSN*	18.0c
	Wr	iPZ	14 04.0
	Qt	ePZ	15 37.4
		eSN	
		H 16 12 00.0	
		31.7N, 77.0E	
		Northern India	
		depth about 96 km.	
7	Qt	ePZ	03 48 27.5
		USCGSH 03 39 04.1	
		12.0N, 122.3E	
		Panay Philippine Islands	
		depth about 40 km.	
		Mag 5.2(CGS)	
	Ch	ePZ	09 07 16.6
		ePPZ	33
		eSN	17 50
		eSSN	18 24
		ePP	37 55
	Lh	ePZ	10 57.0
	Qt	iPZ	11 27.5c
		ePPZ	14 43.5
		eSN	21 51.0
		USCGSH 08 58 43.8	
		5.4 S, 151.3 E	
		New Britain region	
		depth about 54 km.	
		Mag : 5.8(CGS)	
		$5\frac{1}{2}$-$5\frac{3}{4}$ (Brk),	
		6 (Pal)	
7	Ch	ePZ	15 53 12.7
		eSE	16 01 08
	Qt	ePZ	15 55 31.8
		iXZ	56 27.3

Date	Station	Phase	h	m	s
		USCGSH 15 43 29.7			
		5.1 S, 145.9E			
		East New Guinea			
		region			
		depth about 219 km.			
		Mag 5.0 (CGS)			
7	Ch	ePZ	18	40	09.0
	Qt	ePZ		41	09.0
		USCGSH 18 30 17			
		51.7 N, 158.0E			
		Near East Coast of			
		Kamchatka			
		depth about 50 km.			
		Mag 5.1(CGS)			
7	Qt	ePKPZ	19	12	03.5
	Ch	ePKPZ			40.2
		USCGSH 18 52 47.6			
		6.7 N, 82.2W,			
		South of Panama			
		depth about 30 km.			
		Mag : 5.2 (CGS)			
		$5\frac{1}{4}$-$5\frac{1}{2}$ (Pal)			
8	Wr	ePZ	03	35	10.2
		eSZ			56.4
	Qt	ePZ		36	17.4
		eSN		38	03.3
		H 03 34 05			
8	Wr	ePZ	04	47	27.3
		e(S)Z		48	00.0
	Qt	ePZ			29.8
		eSN		49	56.5
		H 04 46 44			
8	Qt	ePKPZ	09	34	21.7d
		USCGSH 09 14 29			
		21.3 S, 81.8W,			
		South East Central			
		Pacific Ocean			
		depth about 33 km.			
		Mag 4.8 (CGS)			
8	Ch	ePZ	17	57	45.4

Date	Station	Phase	h	m	s
		ePPZ		59	29
		eSE	18	04	10
		ePZ	17	59	04.0
Lh		eSN*	18	06	40.0
		ePZ	17	59	16.0
Wr		ePZ			52.2d
Qt		ePZ	18	08	07.0
		Mu Sec			
		MH 6.3 20			
		$\triangle 61 = 6.^{\circ}0$			
		USCGSH 17 49 46.3			
		34.7N, 139.2E			
		Near South Coast of			
		Honshu Japan,			
		depth about 31 km.			
		Mag 5.2 (CGS)			
9	Qt	ePZ	06	08	17.6
9	Ch	ePZ	06	51	10.0
	Qt	ePZ		52	49.4
		USCGSH 06 42 32			
		43.1N, 145·2E			
		Hokkaido, Japan region			
		depth about 39 km.			
		Mag. 4.8(CGS)			
9	Qt	ePKPZ	13	53	48.3
	Kr	ePKPZ		54	00.0
	Wr	ePKPZ			01.3
	Lh	IPKPZ			10.0d
		eXZ		56	33.5
		iXZ		57	29.0
	Ch	ePKPZ		54	35.2
		iPKPZZ		55	08
		epPKPZ		56	51
		epPKPZZ		57	39
		ePPZ		59	02
		eSKS	14	00	42
		USCGSH 13 35 42.4			
		27.5 S, 63.2W			
		Santiago du Estero			

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Date	Station	Phase	h	m	s
		Province, Argentina			
		depth about 586 km.			
		Mag: 5.9(CGS),			
		5-5¼ (Brk),			
		6¼(Pal).			
9	Qt	ePZ	17	06	12.6
9	Qt	ePZ	18	36	06.0
		USCGSH 18 28 38.2			
		41.1N, 21.0E			
		Albania Yougoslavia			
		border region			
		depth about 30 km.			
		Mag 4.8 (CGS)			
9	Qt	ePZ	19	34	30.2
9	Qt	ePZ	23	02	01.2
		USCGSH 22 51 45			
		4.7N, 126.9E			
		Talaud Islands			
		depth about 33 km.			
		Mag 4.8 (CGS)			
10	Qt	ePZ	09	16	07.4
		e(S)N		17	58.5
10	Qt	ePZ	13	28	46.5
10	Ch	ePZ	15	19	07.7
		ePPZ		20	55
		eXE		24	42
		eSN		25	32
	Lh	ePZ	20	13	0
		eSN*	27	32	8
	Wr	1PZ	20	20	8c
	Qt	iPZ		57	2c
		eSN	29	00	0
	Kr	ePZ	21	00	2
		Mu Sec			
		MH 11.8 20			
		△ 59.°1			
		USCGSH 15 11 05.5			
		40.4N, 138.9E			
		Eastern Sea of Japan			
		depth about 33 km.			

Date	Station	Phase	h	m	s
		Mag 6.0 (CGS)			
		6.0(Pal)			
		6¾—7(Brk),			
		6.1(Qt)			
10	Qt	ePZ	19	54	02.9
		USCGSH 19 43 27			
		44.7N, 149.2E			
		Kurile Islands			
		depth about 22km			
		Mag 4.6(CGS)			
10	Qt	ePZ	20	36	47.2
		USCGSH 20 25 40			
		8.4S, 127.1E			
		Timor			
		depth about 33km.			
10	Qt	ePZ	23	40	43.0d
		USCGSH 23 30 51.4			
		40.2N, 139.0E			
		Eastern Sea of Japan			
		depth about 39 km.			
		Mag 5.4 (CGS)			
11	Qt	ePZ	05	28	55.1
		eSN		31	13.2
	Ch	ePZ		32	44.4
		USCGSH 05 25 58.0			
		28.1N, 52.8E			
		Southern Iran			
		depth about 61 km.			
		Mag : 5.0 (CGS)			
11	Qt	ePZ	12	50	58.6
		eSN		53	18.3
		USCGSH 12 48 08.9			
		29.0N, 53.2E			
		Southern Iran			
		depth about 74 km.			
11	Lh	ePZ	16	12	30.6
		eXN		18	50.0
	Wr	iPZ		12	39.6c
	Qt	ePZ		13	17.5d
		eSN		19	58.9

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Date	Station	Phase	h	m	s
		USCGSH 16 04 58.2			
		38.9N, 130.0E			
		Sea of Japan			
		depth about 550 km.			
		Mag 5.6(CGS)			
11	Qt	ePZ	16	17	22.8
11	Qt	ePZ	16	35	11.2
	Wr	ePZ			43.6
11	Lh	ePZ	22	53	40.5
		iXN	23	00	19.2
	Wr	iPZ	22	54	03.4d
	Qt	ePZ			16.6
		USCGSH 22 42 59.4			
		6.3 S, 131.2E			
		Tanimbar Islands region			
		depth about 47 km.			
		Mag 5.8(CGS)			
12	Qt	ePZ	01	13	19.6c
12	Qt	ePZ	02	06	49.5
12	Ch	ePZ	07	30	39.4
	Lh	ePZ		32	19.5
	Wr	ePZ			32.6
	Qt	ePZ			48.5
		iXZ		33	07.7
		USCGHS 07 20 00.0			
		6.9S,150.6E			
		New Britain region			
		depth about 33 km.			
		Mag : 5.9 (CGS)			
12	Qt	ePZ	10	16	02.5
12	Qt	ePZ	10	22	46.5c
		USCGSH 10 10 17.0			
		52.6N, 169.3W			
		Fox Islands, Aleutian Islands			
		depth about 33 km.			
		Mag : 4.8(CGS)			
12	Qt	ePZ	13	18	50.4
		USCGSH 13 11 50.2			
		35.3N, 23.0E			
		CRETE			
		depth about 60 km.			
		Mag : 4.4(CGS)			
12	Qt	ePKPZ	20	03	49·6
		USCGSH 19 44 55.7			
		26.1 S, 175.9 W			
		South of Tonga Islands			
		depth about 85 km.			
		Mag : 4.9 (CGS)			
12	Wr	iPZ	21	19	27.4c
		iSN			53·2
	Qt	ePZ		20	31·2
		eSN		21	55·5
		H 21 18 46			
12	Qt	ePKP	22	34	50·6
		USCGSH 22 15 51			
		20. 2S, 174.0W			
		Tonga Islands			
		depth about 33 km.			
		Mag : 5.0 (CGS)			
12	Qt	ePZ	23	20	12·4
		iXE			41·9
		USCGSH 23 07 46·1			
		5.8S, 147.1E			
		East New Guinea region			
		depth about 68 km.			
		Mag : 5.0(CGS)			
13	Qt	ePKPZ	00	32	29·5
		34.0S, 179.1W			
		South of Kermadec Islands			
		depth about 112 km.			
		Mag : 5.3(CGS)			
13	Wr	ePZ	00	44	46·9
	Lh	ePZ			56·5
	Ch	ePZ		45	08·0
	Qt	iPZ			17·9d
		USCGHS 00 33 24.7			
		64.9N, 165.7W			
		Alaska			

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Date	Station	Phase	h m s
		depth about 15 km.	
		Mag. 5.4(CGS),	
		6.0 (Pal)	
13	Ch	ePZ	13 21 43·6
		ePPZ	53
		eSE	26 23
	Lh	ePZ	23 56·0
		eSN	30 30·0
	Wr	ePZ	24 18·6
		ePZ	47·3
	Qt	eSN	32 03·5
		Mu Sec	
		MH 3.4 20	
		△=51°.5	
		USCGSH 13 15 49.8	
		20.1N, 122.0E	
		Philippine Islands region	
		depth about 33 km.	
		Mag : 4.8(CGS)	
		5.7(Qt)	
13	Qt	ePZ	14 36 51·6c
		USCGSH 14 26 15	
		45.2N, 150.4E	
		Kurile Islands	
		depth about 33 km.	
		Mag : 4.8(CGS)	
13	Ch	ePZ	17 00 02·6
	Wr	ePZ	02 21·5
	Qt	ePZ	43·6
		USCGSH 16 51 39·2	
		7.9N, 137.0E	
		West Caroline Islands	
		depth about 33 km.	
		Mag : 4.9(CGS)	
14	Qt	ePZ	02 13 10·4
		eXN	16 34·5
14	Wr	ePZ	03 38 17·4
	Qt	ePZ	39 25·8
		USCGSH 03 35 14.5	
		44.2N, 81.6E	
		Northern Sinkiang Province,	
		China	
		depth about 33 km.	
		Mag; 4.2(CGS)	
14	Qt	ePZ	04 53 27·5
14	Ch	ePZ	06 49 58·0
		USCGSH 06 41 23·1	
		28.1N, 140.8E	
		Bonin Islands region	
		depth about 115 km.	
		Mag : 5.0(CGS)	
14	Qt	ePZ	14 59 29·5
14	Qt	ePZ	07 19 31·7
14	Wr	ePZ	11 06 22·0
		eSZ	08 04·8
	Qt	ePZ	07 30·8
		e(S)	10 13·5
	Ch	ePZ	09 19·0
		USCGSH 11 04 17.4	
		41.3N, 77.1E	
		Kirgiz Sinkiang border region	
14	Qt	ePZ	12 48 00·0
14	Qt	ePZ	16 02 57·6
		USCGSH 15 52 34.2	
		33.4N, 142.0E	
		Off coast of Honshu Japan	
		depth about 33 km.	
		Mag : 4.5(CGS)	
15	Qt	ePKPZ	03 59 22·2d
		USCGSH 03 40 16·5	
		20·8 N, 106·6 W	
		Off coast of Jalisco Mexico	
		depth about 33 km.	
		Mag : 5·1 (CGS)	
15	Qt	ePZ	05 16 45·3
		USCGSH 05 06 22·8	
		2·3 N, 126·6 E	

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Date	Station	Phase	h	m	s
		Molucca Passage, depth about 45 km.			
15	Qt	ePZ	08	08	11·6
		USCGSH 07 58 49·9 76·2 N, 9·3 E Svalbard region depth about 33 km. Mag : 4·8 (CGS)			
15	Qt	ePKPZ	12	32	26·7
		USCGSH 12 13 25·8 14·7 N, 91·7 E Guatemala depth about 118 km. Mag : 5·4 (CGS)			
15	Qt	iPZ	12	35	44·6c
15	Qt	iPZ	15	14	21·2c
		USCGSH 15 03 40 45·4 N, 150·9 E Kurile Islands depth about 33 km. Mag : 4·7 (CGS)			
15	Qt	ePZ	18	30	40·5
		iXZ			45·7
	Lh	iX		31	51·8
15	Lh	ePZ	19	10	21·6
		eSN		11	00·0
	Qt	ePZ		12	50·5
		H 19 09 29			
15	Qt	ePZ	22	46	41·4d
		USCGSH 22 34 07·7 51·0 N, 169·6 W Fox Islands Aleutian Islands depth about 33 km. Mag : 5·0 (CGS)			
16	Qt	ePZ	02	33	55·3
		USCGSH 02 21 30·7 3·2 S, 147·5 E Bismark Sea depth about 33 km.			
		Mag: 4·8 (CGS)			
16	Lh	ePZ	04	04	31·4
		eSN		11	57·0
	Qt	iPZ		05	11·6c
		eSN		13	15·7
		USCGSH 03 55 17·4 6·0 N, 125·3 E Mindanao Philippine Island depth about 121 km. Mag; 5·6 (CGS)			
16	Qt	ePZ	06	14	36·5
16	Qt	ePZ	10	46	11·3
16	Wr	ePZ	18	35	09·7
	Qt	ePZ			37·6d
		USCGSH 18 26 39·0 20·1 N, 121·9 E Philippine Islands region depth about 19 km. Mag : 4·4 (CGS)			
16	Wr	ePZ	19	36	58·3
	Qt	iPZ		37	31·2d
		USCGSH 19 28 50·0 24·8 N, 122·4 E Taiwan region depth about 61 km. Mag : 4·8 (CGS)			
17	Qt	ePZ	01	19	06·6
		USCGSH 01 08 51 7·8 S, 117·4 E Bali Sea depth about 33 km.			
17	Qt	ePZ	02	43	38·7
		USCGSH 02 33 26·5 35·5 N, 141·8 E Near east coast of Honshu Japan depth about 81 km. Mag : 4·4 (CGS)			

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Date	Station	Phase	h	m	s
17	Qt	iPZ	04	13	28 ·0d
		iXN			48 ·0
		USCGSH 04 03 45 ·7			
		27 ·6 N, 140 ·0 E			
		Bonin Island region			
		depth about 468 km.			
17	Lh	cPZ	05	28	36 ·6
		eSN		36	33 ·0
	Wr	iPZ		28	37 ·8c
	Qt	iPZ		29	14 ·2c
		eSE		37	53 ·0
		Mu Sec			
		MH 3 ·7 20			
		△=65° ·2			
		USCGSH 05 18 34 ·8			
		45 ·4 N, 150 ·1 E			
		Kurile Islands			
		depth about 17 km.			
		Mag : 5 ·3 (CGS)			
		5 ·9 (Qt)			
17	Qt	ePZ	06	25	05 .4c
17	Qt	ePZ	06	48	02 .6
		USCGSH 06 35 36 .9			
		3 .2 S, 147 .2 E			
		Bismark Sea			
		depth about 33 km.			
		Mag : 4 .8 (CGS)			
17	Qt	ePKPZ	14	18	35 .6
		USCGSH 13 59 25 .3			
		16 .0 N, 96 .9 W			
		Oaxaca Mexico			
		depth about 36 km.			
		Mag : 4 .9 (CGS)			
17	Qt	ePZ	15	30	58 .1
17	Wr	eP	18	29	23 .6
		iS		30	07 .9
	Qt	ePZ			30 .5
		H 18 28 25 .9			
17	Ch	iPZ	18	55	20 .0d
	Lh	ePZ		56	46 .2d
		iPZ			58 .4c
	Wr	iPZ		57	32 .3d
	Qt	iPZ			
		USCGSH 18 48 02 .4			
		31 .6 N, 138 .0 E			
		South of Honshu			
		Japan,			
		depth about 376 km.			
		Mag : 4 .9 (CGS)			
17	Qt	ePZ	21	35	36 .6
17	Ch	iPZ	23	56	13 .0c
		ePPZ			30 .0
		eSN	00	05	38
	Lh	ePZ	23	56	28 .5
		iSN	00	06	10 .1
	Wr	ePZ	23	56	24 .4
	Qt	iPZ			56 .2c
		eSE	00	07	13 .0
		Mu Sec			
		MH 6 .1 20			
		△=83° .4			
		USCGSH 23 44 46 .2			
		Andrean of Islands			
		Aleutian Islands			
		depth about 57 km.			
		Mag : 5 .5 (CGS)			
		(6 .1 Qt)			
18	Qt	ePZ	00	38	19 .1
	Wr	ePZ		39	24 .4
		USCGSH 00 35 19			
		27 .8 N, 52 .8 E			
		Southern Iran			
		depth about 33 km.			
18	Qt	ePZ	05	59	24 .7
18	Qt	ePZ	06	15	29 .0
		USCGSH 06 05 18 .8			
		37 .3 N, 142 .0 E			
		Off east coast of			
		Honshu, Japan			
		depth about 33 km.			
		Mag : 4 .6 (CGS)			

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Date	Station	Phase	h	m	s
18	Wr	ePZ	06	42	37.4
	Qt	ePZ		41	13.0
18	Qt	ePZ	11	05	41.2
		USCGSH 10 53 28.4			
		51.3 N, 178.0 W			
		Andrean of Islands			
		Aleutian Islands			
		depth about 33 km.			
		Mag : 4.8 (CGS)			
19	Wr	iPZ	03	47	30.2c
		iSZ			58.0
	Qt	iPZ		48	22.0d
		eSN		49	32.2
		H 03 46 52.3			
		Hindukush region			
19	Wr	iPZ	08	15	29.9
		eSZ			59.6
	Qt	ePZ		16	58.7
		e(S)		18	18.2
		H 14 56 00			
19	Qt	ePZ	10	20	48.4
19	Ch	ePZ	11	42	47 ±
	Qt	ePZ		44	48.5
19	Qt	ePKPZ	13	13	06.0c
		iXZ			13.1
		USCGSH 12 53 27.6			
		37.8 S, 72.9 W			
		Central Chile			
		depth about 64 km.			
		Mag : 4.8 (CGS)			
19	Qt	ePZ	14	04	26.6
		eSN		06	11.0
19	Qt	ePZ	18	27	56.1
		USCGSH 18 18 31			
		8.9 S, 112.8 E			
		Java			
		depth about 336 km.			
		Mag: 4.4 (CGS)			
19	Qt	ePZ	20	18	35.6
19	Qt	ePZ	23	34	08.8c
	Wr	ePZ		35	15.1
		USCGSH 23 31 57.3			
		28.0 N, 56.9 E			
		Southern Iran			
		depth about 50 km.			
		Mag : 5.3 (CGS)			
20	Qt	ePZ	02	46	13.8
20	Lh	ePZ	03	33	06.0
		eSN		34	14.4
	Wr	iPZ		33	49.8c
	Qt	ePZ		34	29.6
		e(S)N		36	40.0
	Ch	ePZ		34	36.5
		eSN		36	58.0
		H 03 31 38			
		30.0 N, 81.0 E			
		Nepal India border			
		depth about 33 km.			
		USCGH 03 31 36.0			
		29.5 N, 81.0 E			
		Nepal			
		depth about 33 km.			
		Mag : 5.2 (CGS)			
		5.2 (Qt)			
20	Qt	ePKPZ	09	04	19.7
	Wr	ePKPZ			32.0
		USCGSH 08 44 42.5			
		33.9 S, 72.0 W			
		Off coast of Central			
		Chile			
		depth about 28 km.			
		Mag : 4.8 (CGS)			
20	Qt	ePKPZ	11	44	33.5c
		USCGSH 11 26 32.6			
		20.1 S, 177.7 W			
		Fiji Islands region			
		depth about 463 km.			
		Mag : 4.8 (CGS)			
20	Wr	ePZ	13	41	28.0
	Qt	ePZ		42	04.4

Date	Station	Phase	h	m	s
		USCGSH 13 31 54.7			
		37.5 N, 141.6 E			
		Near coast of Honshu			
		Japan			
		depth about 40 km.			
		Mag : 4.9 (CGS)			
20	Ch	eXZ	23	20	44
	Qt	ePZ		24	48.3
		USCGSH 23 14 45.9			
		36.6 N, 140.3 E			
		Near east coast of			
		Honshu Japan,			
		depth about 83 km.			
		Mag : 4.3 (CGS)			
21	Wr	iPZ	01	00	16.2c
		iSZ			46.9
	Lh	ePZ			32.0
		eSN	01	35	5
	Qt	ePZ	03	10	0
		eSE	03	19	0
		H 00 59 05.2			
		38.0 N, 75.8 E			
		Mastagh Ata Range S.S.R.			
		depth about 160 km.			
		Mag : 5.2 (Qt)			
21	Wr	ePZ	04	37	23.3
		eSE			56.9
	Qt	ePZ	38	26	6
		eSE	39	37	5
		H 04 36 47			
		Hindukush region			
21	Qt	ePZ	14	12	32.8
21	Wr	ePZ	17	48	35.5
	Ch	ePZ			58.5
	Qt	ePZ	49	03	6
		USCGSH 17 36 29.0			
		60.5 N, 146.8 W			
		Southern Alaska			
		depth about 43 km.			
		Mag: 5.0 (CGS)			

Date	Station	Phase	h	m	s
			18	44	11.5
21	Ch	ePZ			13.5
	Qt	ePZ			
		USCGSH 18 32 03.0			
		63.1 N, 150.3 E			
		Central Alaska			
		depth about 111 km.			
		Mag : 4.8 (CGS)			
		ePZ	19	32	27.4
21	Wr	ePZ			56.2
	Qt	ePZ			
		USCGSH 19 23 21			
		13.0 N, 124.5 E			
		Luzon Philippine			
		Islands			
		depth about 33 km.			
		Mag : 5.5 (CGS)			
21	Wr	iPZ	20	55	16.7
		iSZ			47.3
	Lh	ePZ			57.0
		eSN	56	58	0
	Qt	iPZ			13.0c
		eSE	57	41	4
		H 20 54 34			
		36.2 N, 70.5 E			
		Hindukush region			
		depth about 160 km.			
21	Qt	ePZ	21	42	55.7
22	Qt	ePKPZ	00	43	05.4
		iXZ		45	39±
	Wr	ePKPZ		43	06.3
	Ch	ePKPZ		43	40.8
		ePKPZ		44	24
		ePPKPZ		46	36
		USCGSH 00 24 48.7			
		9.5 S, 71.3 W			
		Peru Brazil border			
		region			
		depth about 614 km.			
		Mag : 5.3 (CGS)			
22	Qt	ePZ	04	38	46.2c
		eSE		40	23.0

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Date	Station	Phase	h	m	s
	Kr	ePZ		38	52.0
	Wr	ePZ		39	50.1
	Lh	ePZ		40	10.0
		eXN		43	12.0
		iXN		44	23.0
	Ch	ePZ		43	00.2
		eSE		48	09.0
		eXN			58.0
		H 04 36 41.2			
		28.0 N, 56.8 E			
		Southern Iran			
		depth about 33 km.			
		USCGSH 04 36 34.7			
		28.4 N, 57.0 E			
		Southern Iran			
		depth about 42 km.			
		Mag : 5.5 (CGS), 6.0 (Qt)			
22	Qt	ePZ	06	01	19.7
		eS		03	00.0
		H 05 57 55.7			
22	Qt	ePKPZ	08	19	43.7
	Ch	ePKPZ		20	23.3
		ePPZ		23	42
		USCGSH 08 01 12.6			
		18.4 N, 68.8 W			
		Mona passage			
		depth about 115 km.			
		Mag : 5.6 (CGS), 6.0 (Pas)			
22	Qt	ePZ	08	41	20.0
		e(S)		42	57.5
22	Qt	ePKPZ	10	45	39.2
		USCGSH 10 28 46.7			
		44.9 N, 112.5 W			
		Eastern Idaho			
		depth about 33 km.			
		Mag : 4.3 (CGS)			
22	Qt	ePKPZ	12	15	56.4
		USCGSH 11 58 10.1			
		22.2 S, 179.7 W			
		Fiji Islands			
		depth about 600 km.			
		Mag : 5.0 (CGS)			
22	Qt	ePZ	14	39	25.8
22	Qt	ePZ	16	21	44.5
22	Qt	ePZ	16	58	10.5
22	Wr	ePZ	18	26	12.0
	Qt	ePZ			42.6
		eXZ		27	14.5
22	Qt	iPZ	18	37	48.6c
		iXZ		38	34.2
		USCGSH 18 28 18.3			
		7.2 N, 126.8 E			
		Mindanao, Philippine Islands			
		depth about 384 km.			
		Mag : 4.9 (CGS)			
22	Qt	ePKPZ	21	13	31.5
		USCGSH 20 54 35.3			
		31.9 N, 117.1 W			
		Off West coast of Baja California			
		depth about 44 km.			
		Mag : 5.6 (Pas), 6-6½ (Pal), 6.3 (CGS)			
22	Qt	ePZ	21	46	30.2
		USCGSH 21 34 21.1			
		51.4 N, 177.9 W			
		Andreanof Islands			
		Aleutian Islands			
		depth about 65 km.			
		Mag : 4.6 (CGS)			
22	Qt	ePZ	04	24	37.0
		eSN		26	17.9
		H 04 22 27			
22	Qt	ePZ	05	52	39.9
		e(S)N		54	18.5
22	Ch	ePZ	07	44	28.0

Date	Station	Phase	h	m	s
	Wr	EPZ		46	54.8d
	Qt	ePZ		47	7.7c
		USCGSH 07 36 02.9			
		7.1 S, 129.4 E			
		Banda Sea			
		depth about 111 km.			
		Mag : 5.0 (CGS)			
23	Qt	ePZ	09	27	28.2
23	Qt	ePZ	09	29	20.5
		USCGSH 09 16 52.9			
		51.1 N, 175.5 W			
		Andreanof Islands			
		Aleutian Islands			
		depth about 33 km.			
		Mag : 4.4 (CGS)			
23	Qt	ePZ	10	54	35·6
		USCGSH 10 52 17·5			
		27·9 N, 57·0 E			
		Southern Iran			
		depth about 33 km.			
		Mag : 4·8 (CGS)			
23	Qt	ePZ	18	17	22·7
		eSN		19	00·0
		H 18 15 16			
23	Ch	ePZ	19	55	22·3
	Lh	ePZ		56	40·0
	Qt	ePZ		57	28·5
		USCGSH 19 47 59·3			
		30·3 N, 131·1 E			
		Kyushu Japan			
		depth about 33 km.			
		Mag : 5·4 (CGS)			
24	Wr	iPZ	01	09	14·8c
	Lh	ePZ			57·4
		iSP		10	34·2
		ISN			57·2
	Qt	ePZ			16·0
		eSN		11	31·0
	Kr	ePZ			16·9
		eSE		13	26·2

Date	Station	Phase	h	m	s
		Mu Sec			
		PZ 0·38 0·4			
		△=6°·8			
		H 01 08 40·2			
		36·0 N, 70·9 E			
		Hindukush region			
		depth about 180 km.			
	Ch	IPZ	01	13	33·4
		iPPZ		14	17
		eSN		17	33
		esS		18	35
		USCGSH 01 08 37·7			
		36·2 N, 70·9 E			
		Hindukush region			
		depth about 158 km.			
		Mag : 5·6 (CGS)			
		5·9 (Qt)			
		Felt Peshawar and			
		Risalpur			
24	Qt	ePZ	02	08	11·5
		eSN		10	37·5
		USCGSH 02 06 05			
		28·1 N, 57·4 E			
		Southern Iran			
		depth about 33 km.			
24	Wr	ePZ	06	40	36·0
	Qt	ePZ		42	23·7
		e(S)N		43	48·0
24	Wr	iPZ	08	29	40·4d
		ISZ		30	14·1
	Qt	iPZ			33·5d
		eSN		31	51·0
		H 08 28 55			
		Hindukush region			
24	Qt	ePZ	09	48	24·2
		USCGSH 09 38 07			
		36·4 N, 135·2 E			
		Sea of Japan			
		depth about 33 km.			
		Mag : 4·4 (CGS)			
24	Qt	ePZ	12	49	22·5
24	Ch	iPZ	18	56	23·0c

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Date	Station	Phase	h	m	s
	Lh	ePZ		58	02·1c
	Wr	iPZ			14·3d
	Kr	ePZ			27·4
		eSE	19	08	44·7
		eSKSE		09	04·5
	Qt	iPZ			31·8
		eSE	19	08	54·0
		Mu ∫ Sec			
		PZ 0·1 0·9			
		△=84°·5			
		USCGSH 18 45 45·5			
		4·4 S, 153·1 E			
		Near Ireland region			
		depth about 93 km.			
		Mag: 6·1 (CGS),			
		6·0 (Qt)			
24	Ch	ePZ	19	30	05·1
		epPZ			33
		eSN		33	31
	Wr	ePZ		32	59·2
	Qt	ePZ		33	43·0
		USCGSH 19 25 52·5			
		3·9 N, 96·9 E			
		Northern Sumatra			
		depth about 141 km.			
		Mag: 5·4 (CGS)			
24	Ch	ePZ	20	01	52·0
	Qt	ePZ		02	29·4
		USCGSH 19 49 58·5			
		52·7 N, 168·8 W			
		Fox Islands Aleutian			
		Islands			
		depth about 35 km.			
		Mag: 4·3 (CGS)			
24	Qt	ePZ	20	05	02·0
		USCGSH 19 55 01·3			
		35·1 N, 139·2 E			
		Near South coast of			
		Honshu Japan			
		depth about 66 km.			
		Mag. 5·0 (CGS)			
24	Qt	ePZ	22	10	52·8
25	Wr	ePZ	01	18	01·8
		eSZ			23·4
	Qt	ePZ			
		USCGSH 01 08 26·8			
		8·2 N, 126·0 E			
		Mindanao Philippine			
		Islands			
		depth about 62 km.			
		Mag: 5·5 (CGS)			
25	Wr	iPZ	16	25	06·7
		iSZ			38·0
	Lh	ePZ			46·2
		eSZ		26	45·0
		H 16 24 27			
25	Wr	ePZ	14	00	11·7
		USCGSH 13 50 50			
		35·2 N, 139·1E			
		Near South coast of			
		Honshu Japan			
		depth about 104 km.			
		Mag: 4·8 (CGS)			
25	Ch	ePZ	17	09	32±
	Wr	ePZ		11	00·2
		USCGSH 17 01 32·2			
		34·8 N, 139·3 E			
		Near South coast of			
		Honshu Japan,			
		depth about 33 km.			
		Mag: 5·1 (CGS)			
25	Wr	iPKPZ	18	16	07·0c
	Lh	ePKPZ			14·1c
	Ch	ePKPZ			35·0
		eXZ		17	21
		USCGSH 17 56 40·1			
		25·3 S, 68·1 W			
		Chile Argentina border			
		region			
		depth about 50 km.			

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Date	Station	Phase	h	m	s
		Mag : 5·0 (CGS)			
26	Wr	ePKPZ	08	35	34·6
	Qt	ePKPZ			38·1
		USCGSH 08 16 28·9			
		16·7 N, 99·6W			
		Near coast of Guerrero			
		Mexico			
		depth about 33 km.			
		Mag : 5·4 (CGS)			
26	Wr	ePZ	11	02	07·7
		eSZ			24·5
	Qt	ePZ		03	28·5
		H			
26	Ch	ePZ	14	40	05·5
		ePP			40
		eS		47	50
		ePP	15	09	58
	Wr	iPZ		40	31·3
		iXZ			35·7
		ipP		41	05·6
		eSZ		48	37·8
	Lh	ePZ		40	32·0
		iPPZ		41	07·0
	Qt	iPZ			07·4d
		ipP			42·5
		eSN		49	49·4
		isS		50	47·6
	Kr	ePZ		41	32·4
		USCGSH 14 30 29·1			
		51·8 N, 156·8 E			
		Kamchatka			
		depth about 136 km.			
		Mag : 5·7 (CGS)			
26	Qt	ePZ	18	44	33·0
		iXZ			43·2
		iXZ		45	08·4
26	Wr	ePZ	19	39	01·6
		eSZ			32·0
	Qt	ePZ			54·5
		eSE		41	11·2
		H 19 38 18			
27	Lh	ePZ	08	00	02·0
		iXZ			41·5
		ipP			24·4
	Wr	ePZ		01	58·0
		iXZ			02·6
	Qt	ePZ		02	42·5
		e(S)N			
27	Qt	ePZ	10	26	52·0
		H 10 14 51			
		51·2 N, 177·2 E			
		Rat Islands Aleutian			
		Islands			
		depth about 33 km.			
		Mag : 4·6 (Qt)			
27	Qt	ePZ	10	31	21·5
		e(S)N		34	19·6
27	Ch	iPZ	17	49	58·0c
		epP		50	08
		eSN		55	17
	Lh	iPZ		52	17·0c
		eSN		59	26·0
	Wr	iPZ			52 38·4d
	Qt	iPZ		53	02·1
		eSN	18	00	53·3
		Mu Sec			
		MH 4·4 20			
		△=57°·1			
		H 17 43 21·4			
		12·9 N, 125·4 E			
		Samar, Philippine			
		Islands			
		depth about 33 km.			
		Mag : 5·9 (CGS),			
		5¼—5½ (Pal),			
		5·9 (Qt)			
28	Qt	ePZ	01	53	09·5
28	Qt	ePZ	02	41	07·2
28	Wr	ePZ	04	35	50·4
		iSZ		36	23·7

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Date	Station	Phase	h m s
	Qt	ePZ	45·0
		eSN	38 02·0
		H 04 35 06	
28	Qt	ePZ	05 10 01·0
		eXN	11 45·7
		USCGSH 04 55 03	
		11·9 S, 165·6 E	
		Santa Cruz Islands	
		depth about 33 km.	
		Mag : 4·9 (CGS)	
28	Wr	iPZ	06 45 04·1
		iSZ	37·9
	Qt	ePZ	46 03·6
		eSN	47 24·3
		H 06 44 18·5	
28	Ch	ePZ	16 28 42·7
		epPZ	30 50
		esPE	31 52
		eppZ	32 58
		iSKSN	38 22
		eS	39 12
	Wr	iPKPZ	33 16·7
	Lh	ePKPZ	43·8
	Kr	ePKPZ	49·2
		eXZ	35 01·2
	Qt	ePKPZ	33 53·2
		USCGSH 16 16 11·0	
		22·1 S, 179·6 W	
		South of Fiji Islands	
		depth about 611 km.	
		Mag : 6·2 (CGS),	
		$6\frac{1}{4}$-$6\frac{1}{2}$ (Pas)	
28	Wr	ePZ	17 14 10·4
	Lh	ePZ	31·5
	Qt	ePZ	40·9
	Ch	ePZ	15 32·0
		USCGSH 17 04 57·0	
		86·7 N, 68·7 E	
		North of Franz	
		Joselland	
		depth about 33 km.	
		Mag : 5·7 (CGS)	
29	Qt	ePZ	00 03 02·5
		iXZ	04 00·8
		USCGSH 23 50 11	
		51·5 N, 175·0 W	
		Andreanof Islands	
		Aleutian Islands	
		depth about 33 km.	
		Mag : 4·9 (CGS)	
29	Qt	ePZ	00 41 12·2
		USCGSH 00 28 54·4	
		52·2 N, 175·1 W	
		Andreanof Islands,	
		Aleutian Islands	
		depth about 33 km.	
		Mag : 4·5 (CGS)	
29	Ch	ePZ	00 55 59·3
	Qt	ePZ	56 40·2
		USCGSH 00 44 20·1	
		51·5 N, 175·0W	
		Andreanof Islands	
		Aleutian Islands	
		depth about 35 km.	
		Mag : 4·6 (CGS)	
29	Qt	ePZ	01 38 36·0
29	Ch	ePZ	01 51 49·0
	Wr	ePZ	58·6
	Qt	iPZ	52 28·6c
		USCGSH 01 40 08·4	
		51·5 N, 175·0 W	
		Andreanof Islands	
		depth about 38 km.	
		Mag : 4·7 (CGS)	
29	Qt	ePZ	03 41 05·1
		USCGSH 03 30 44·3	
		38·1 N, 144·0 E	
		Off coast of Honshu	
		Japan,	
		depth about 40 km.	

Date	Station	Phase	h	m	s
		Mag : 4·9 (CGS)			
29	Qt	ePZ	03	49	48·4
		e(S)		51	27·5
29	Wr	ePZ	05	11	48·6
		iSZ		12	23·0
	Qt	ePZ			47·3c
		eSN		14	09·0
		H 05 11 01·5			
29	Qt	ePZ	06	46	44·0
	Qt	ePZ		47	24·6c
		eSN		57	41·5
		USCGSH 06 35 02·2			
		51·4 N, 174·9 W			
		Andreanof Islands,			
		Aleutian Islands			
		depth about 22 km.			
		Mag : 5·0 (CGS)			
29	Ch	ePZ	06	50	48·0
		eSN	07	00	22·0
	Wr	ePZ			57·4
	Qt	ePZ		51	25·4
		iXZ			28·0
		eSN	07	01	44·6
		USCGSH 06 39 08·0			
		51·5 N, 174·8 W			
		Andreanof Islands			
		Aleutian Islands			
		depth about 33 km.			
		Mag : 5·3 (CGS)			
29	Qt	ePZ	09	55	38·5
		eSN			58·7
	Wr	ePZ		56	48·1
		H 09 55 11			
29	Ch	ePZ	10	21	16·5
	Qt	ePZ			57·3c
		USCGSH 10 09 42·4			
		51·8 N, 175·1 W			
		Andreanof Islands			
		Aleutian Islands			
		depth about 76 km.			

Date	Station	Phase	h	m	s
		Mag : 4·4 (CGS)			
29	Qt	ePZ	13	00	38·7
		USCGSH 12 50 43·5			
		40·5 N, 139·0 E			
		Eastern Sea of Japan			
		depth about 16 km.			
		Mag : 5·1 (CGS)			
29	Wr	iPZ	14	10	38·6c
		eSZ		11	28·3
	Lh	eXZ			02·2
		eSZ		12	20·2
	Qt	ePZ		11	46·8
		eSN		13	34·3
		H 14 09 27			
		37·9 N, 74·4 E			
		Tadzhik China border			
		depth about 223 km			
29	Ch	ePZ	23	33	40·0
		USCGSH 23 22 42·1			
		6·2 S, 155·5 E			
		Solomon Islands			
		depth about 50 km.			
		Mag : 5·2 (CGS)			
30	Qt	ePZ	08	25	11·2c
30	Qt	ePZ	13	20	00·0
		USCGSH 13 08 50·2			
		12·4 N, 142·0 E			
		South of Mariana			
		Islands			
		depth about 100 km.			
		Mag : 4·9 (CGS)			
30	Ch	iPZ	15	35	01·4d
		ipPZ		36	00
		eSN		41	04
		esSN		42	50
	Lh	ePZ		36	27·6d
	Wr	ePcPZ		37	27·8
	Wr	ePZ		36	40·1
		eSZ		44	08·2
	Qt	iPZ		37	13·2d

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Date	Station	Phase	h	m	s
		eSN		45	10·0
		USCGSH 15 27 25·8			
	Qt	31·3 N, 138·8 E			
		South of Honshu Japan			
		depth about 261 km.			
		Mag : 5·4 (CGS)			
30	Qt	ePZ	16	59	51·4c
		USCGSH 16 49 46·4			
		41·6 N, 141·7 E			
		Hokkaido Japan region			
		depth about 42 km.			
		Mag : 4·3 (CGS)			
30	Qt	ePZ	20	11	47·5
30	Qt	ePZ	21	48	50·4
		USCGSH 21 30 58·8			
		23·3 S, 179·9 W			
		South of Fiji Islands,			
		depth about 547 km.			
		Mag : 5·2 (CGS)			
30	Wr	iPZ	23	38	23·8d
		iSZ		39	03·9
	Lh	ePZ			07·5
	Qt	ePZ			16·7
		eSN		40	43·9
		H 23 37 27			
		37·2 N, 70·0 E			
		Hindukush region			
		depth about 223 km.			
		H 23 37 41·0			
		36·4 N, 69·9 E			
		Hindukush region			
		depth about 123 km.			
		Mag : 5·3 (CGS)			

Date	Station	Phase	h	m	s
31	Qt	ePZ	01	56	52·9d
		USCGSH 01 47 13			
		28·7 N, 139·4 E			
		Bonin Islands region			
		depth about 426 km.			
		Mag : 4·7 (CGS)			
31	Wr	iPZ	08	21	31·4d
		iSZ			52·1
	Lh	ePZ		22	13·0
	Qt	ePZ			46·0
		eSN		24	06·8
		Hindukush region			
31	Qt	iPZ	16	24	48·5c
		eSN		30	12·7
	Lh	ePZ		25	34·6c
		H 16 18 01·7			
		35·8 N, 25·6 E			
		Crete			
		depth about 86 km.			
		Mag : 5·1 (CGS)			
31	Qt	ePZ	18	00	19·5
31	Qt	ePZ	20	03	13·2
31	Ch	eXZ	23	14	11
	Lh	ePZ		25	46·8
	Qt	ePZ		26	18·2
		USCGSH 23 13 30·9			
		4·6 S, 153·0 E			
		New Britain region			
		depth about 77 km.			
		Mag : 5·1 (CGS)			

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Date	Phase	h	m	s
	QUETTA			
1	eXZ	11	58	05·0
1	ePZ	23	49	59·0
	e(S)N		50	32·0
2	ePZ	06	47	32·8
	eSN			58·0
2	ePZ	11	05	33·2
	e(S)E		07	27·2
2	ePZ	22	45	00·0
3	ePZ	07	36	17·2
	eSN		37	34·4
3	ePZ	09	28	27·0
	e(S)E		30	41·2
3	ePZ	23	01	09·9
	eSE		02	05·5
4	ePZ	14	01	24·5
	eSE			47·5
4	ePZ	19	45	19·8
	eSN		46	36·4
4	ePZ	22	18	54·6
	eSE		19	13·0
5	ePZ	05	17	14·3
5	ePZ	19	22	52·7
	eSE		23	12·3
5	ePZ	22	12	36·5
6	ePZ	00	46	37·5
	eSE		47	57·0
6	eSN	03	21	23·0
6	ePZ	08	53	09 ±
	eSE			28·1
6	ePZ	15	01	54·0
	eSE		02	02·3
6	ePZ	18	47	30 ±
7	iPZ	00	07	12·0c
	eSN			16·5
7	ePZ	04	53	12·3
7	ePZ	07	30	14·6
	eSN			19·5
7	ePZ	13	44	40·0
7	ePZ	16	03	53·2
	eSE		04	22·7
7	ePZ	17	48	19·1
	eSN		49	40·0
7	e(P)Z	18	45	23·5
7	ePZ	19	23	26·7
	eSN			52·6
7	ePZ	20	10	16·5
	eSN			43·6
7	ePZ	21	15	26·8
	eSN			53·9
7	iPZ	21	49	08·9d
	eSN			17·5
8	ePZ	00	57	38·0
8	ePZ	03	30	02·6
	eSN			29·2
8	ePZ	06	50	57·6
	eSE		51	34 ±
8	ePZ	08	31	45·4
	eSZ		32	13 ±
8	ePZ	13	38	35·5
8	ePZ	14	38	39·5
8	ePZ	16	30	18·0
8	ePZ	19	06	19·8
	eSZ			46 ±
8	ePZ	20	47	29·2
	eSE			56 ±
9	ePZ	02	44	38·0
	eSZ			47 ±
9	ePZ	05	02	22·0
9	ePZ	14	42	04·8
	eSN			23·6
9	ePZ	16	27	00·0
	eSE			13·5
9	ePZ	17	00	21·5
	eSN			35·0
9	ePZ	17	03	25·5
9	ePZ	18	36	06·0
9	ePZ	18	51	23·2
	eSN			29·2

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Date	Phase	h	m	s
9	ePZ	21	25	11·6
	eSE			25·5
10	ePZ	03	54	00 ±
	eSE			12·8
10	ePZ	09	04	11·0
	eSN			25·0
11	ePZ	11	02	16·8
	eSN			20·5
11	ePZ	23	55	22·2
	eSN			50·0
12	ePZ	07	06	59·2
	e(S)N			09 31·6
12	ePZ	10	13	31·2
	eSN			14 28·6
13	ePZ	09	49	14·0
	eSN			38·7
13	eXZ	16	46	07·5
14	ePZ	06	59	29·5
14	ePZ	19	32	39·2d
	eSE			33 00·2
14	ePZ	21	05	20 ±
14	ePZ	23	03	53·5
	eSN			04 11·0
15	ePZ	01	51	28·7
15	ePZ	04	20	53 ±
	eSN			21 15·2
15	ePZ	07	15	42·0
	eSN			55·2
15	ePZ	18	43	10·5
16	ePZ	10	29	43·4
16	ePZ	18	35	37·6d
16	ePZ	22	24	15·3
	eSN			23·0
17	ePZ	02	35	12·5
	eSN			42·6
17	ePZ	15	42	00·0
18	ePZ	08	21	46·0
	e(S)Z			22 42·5
18	ePZ	19	57	24·5
18	ePZ	21	43	35·2
19	ePZ	01	41	40·5
19	ePZ	08	01	48·1
19	ePZ	11	29	18·4
19	ePZ	20	14	56·0
19	ePZ	01	25	26·8d
20	ePZ		26	19·5
20	eSN	02	15	09·6
	ePZ			21·3
20	eSN	21	51	50·0
20	ePZ			54·4
	eSZ	07	41	48·1
21	ePZ		42	00·8
21	eXZ	20	13	02·0
21	ePZ	20	48	38·6
21	ePZ	00	57	31·0
22	ePZ	07	36	45·6
22	ePZ		39	23·2
	eXN	09	53	32·5
22	ePZ		55	03·2
	eSE	06	47	32·4
23	ePZ			54·5
	eSN	23	39	53·0
23	ePZ		40	18·4
	eSZ	01	07	01·4
24	ePZ			26·5
	eSN	05	18	14·9
24	ePZ		19	08·6
	eSN	06	11	21·0
24	ePZ			22·5
	eSN	12	18	58·5
24	ePZ	04	48	31·7
26	ePZ			59·0
	eSE	12	54	53·5
26	ePZ			57·4
	e(S)N	15	09	30·1
26	ePZ	15	49	45·0
26	ePZ		50	42·5
	eSN	23	18	10·0
26	ePZ			24·0
	eSE	08	11	14·5
27	ePZ			

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Date	Phase	h	m	s
27	eSN	12	50	0
27	ePZ	16	09	47·0
	eSN			58·6
28	ePZ	00	35	18·2
	eSN			58·6
28	ePZ	14	55	58·3
	eSN			22·7
28	ePZ	15	33	37·4
	eSE			59·5
28	ePZ	15	39	10·8
	eSZ			40·5
28	ePZ	15	50	16·4
	eSN			17·5
28	ePZ	20	45	02·6
	eSN			31·5
28	ePZ	22	57	40·0
	eSN			57·0
29	ePZ	01	49	26·2
29	ePZ	06	45	35·6
29	ePZ	11	42	06·6
	eSN			29·5
29	ePZ	16	06	05·0
	eSN			19·8
29	ePZ	21	06	52·5
	eSN			07 25·5
29	ePZ	21	36	31·7
	eSN			55·4
30	ePZ	10	31	31·0
	eSN			32 03·0
30	ePZ	20	25	11·2
30	ePZ	21	04	56·4
31	ePZ	06	30	46·8
	cSN			31 06·4
31	ePZ	06	44	21·4
	eSN			43·8
31	ePZ	10	35	29 ±
	eSN			41·8
31	ePZ	11	21	06·4
31	ePZ	23	46	48·5

Date	Phase	h	m	s
	WARSAK			
	ePN	05	29	55·0
1	iPN	07	35	18·7
3	iSN			48·4
	ePZ	09	17	50·7
3	ePZ	23	03	15·2
3	ePZ	10	55	45·1
4	eSZ			56 10·6
	iPZ	08	50	17·4
8	iSZ			43·1
	ePZ	15	18	53·0
8	eSZ			19 16·6
	ePZ	10	34	04·8
9	eSZ			30·4
	ePZ	09	27	16·4
9	ePZ	04	36	40·4
10	eSZ			58·6
	ePZ	19	42	33·8
10	eSZ			43 02·2
	ePZ	04	00	57·1
12	iSZ			01 38·7
	ePZ	07	00	24·5
12	eSZ			49·9
	ePZ	12	41	40·8
12	ePZ	22	19	56·1
12	ePZ	20	51	06·0
13	eSZ			48·2
	ePZ	20	54	57·4
13	eSZ			55 39·6
	ePZ	22	51	20·6
13	eSZ			52·0
	ePZ	08	31	02·2
14	eSZ			43·8
	ePZ	08	48	01·8
14	ePZ	17	24	07·2
16	eSZ			35·9
	ePZ	19	48	15·9
16	ePZ	19	42	54·8
17	ePZ	09	07	24·0
18	ePZ	17	36	18·2
18				

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Date	Phase	h	m	s
18	ePZ	21	31	43·8
19	ePZ	04	10	07·0
20	ePZ	10	32	48·4
	eSZ		33	15·1
20	ePZ	12	31	40·3
22	ePZ	02	06	58·2
22	ePgZ	05	10	47·1
22	eSgZ			55·1
22	ePZ	08	30	11·6
23	ePZ	11	45	22·4
25	ePZ	11	33	20·8
25	ePZ	14	47	40·2
25	ePZ	18	32	28·3
	iSZ			56·5
26	ePZ	10	50	49·2
	eSZ		51	10·0
27	ePZ	04	08	14·0
27	ePZ	10	18	58·0
	eSZ		19	16·0
27	ePZ	23	10	47·7
	eSZ		11	26·0
29	ePZ	14	55	58·5
30	ePZ	01	04	07·0
	LAHORE			
2	eXZ	13	34	57·0
15	ePZ	01	48	54·5
	eSNE		49	21·5
19	eXZ	03	49	11·0
	eXN			20·0
24	eXZ	08	31	27·1
29	eXZ	06	05	02·0
	KARACHI			
2	eXE	08	28	54·8
20	e(P)E	03	36	59·3
	eSE		38	17·2
	CHITTAGONG			
1	eSZNE	01	23	13
1	eXZ	04	29	42

Date	Phase	h	m	s
1	ePZ	12	49	50·4
1	ePZ	14	27	37·0
1	ePnZ	15	11	09·0
	eSnNE			39·0
2	eXZ	08	30	06
2	ePZ	10	20	06·0
2	eXNE	22	41	53
3	eXZ	02	54	02
3	eXZ	10	05	34
3	eXE	21	28	17
3	eXE	22	43	29
4	iSE	09	15	57
5	eSNE	02	52	56
5	eXZ	04	22	37
5	eXZ	10	31	47
5	eXZ	11	09	47
5	eXZ	22	13	31
6	ePZ	01	02	00·5
6	eXZ	01	58	20
6	eXZ	03	52	43
6	eXZ	04	08	53
6	eSNE	06	58	34
	eXZ	07	55	49
6	eXZ	08	07	33
6	eXZ	08	58	09
6	eXZ	11	12	31
6	eXZ	11	35	01
6	eXZ	12	07	40
6	eXZ	16	29	02
6	eXZ	21	47	14
7	eXZ	00	49	47
7	eXZ	01	01	45
7	eXZ	08	34	32
7	eXZ	11	07	03
7	ePZE	15	51	36·8
7	eXZ	21	22	44
7	eXZ	21	47	54
8	eXZ	02	16	40
8	eXE	08	15	06
8	eXE	23	20	07

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Date	Phase	h	m	s	
9	eXZ	04	04	58	
9	ePZ	08	23	09·0	
	eSE			36·0	
9	ePZ	13	12	04	
9	eXE	17	28	59	
	ePZ	18	38	55·0	
9	eXZ	19	09	54	
9	eXZ	23	07	06	
10	eXZ	00	51	06	
10	eXZ	03	20	46	
10	eXZ	04	31	44	
10	eXZ	06	05	46	
10	eXZ	17	19	44	
10	ePZ	18	43	22·2	
12	eXZ	15	59	59	
12	eXZ	23	18	40	
13	eXZ	08	32	01	
13	ePZ	10	29	41·8	
13	eXZ	16	04	36	
15	eXZ	02	04	49	
16	ePZ	04	54	59·0	
16	eXZ	21	36	05	
17	eSNE	08	14	03	
17	eSNE	10	17	55	
17	eXE	14	29	12	
17	eXE	17	54	01	
17	eXZ	05	18	07	
18	eXZ	23	33	29	
18	eXZ	02	48	34	
19	ISNE	23	01	56	
19	eXZ	05	18	38	
20	eXZ	08	16	12	
20	ePZ	16	17	44	土
22	eSNE		18	26	
24	ePnZ	06	14	26·0	
	eSnNE			47·0	
24	ePZ	13	20	46·0	
25	eXZ	01	18	22	
25	eXZ	09	09	47	
25	eXZ	13	58	45	
26	eXZ	08	36	06	
27	ePZ	10	26	21·2	
28	eXZ	04	04	08	
28	eXE	20	44	47	
30	eXZ	03	44	06	
31	eXZ	23	24	11	

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