

4 JUL 1969



SUPPLEMENT TO REPORT

No. 41 , PART I

November 1967

Presented by the
INSTITUTE OF GEOPHYSICS
TEHRAN UNIVERSITY

Institute of Geophysics -
Tehran University, Iran

The Yearly Bulletin of
the Iranian Seismological
Network

1966

(Tehran University Press)

The Yearly Bulletin
Of the Iranian Seismological Network
During 1966

SUPPLEMENT TO REPORT NO.41

PART I

NOV. 1967

Station	Coordinates	Direction Cosines	Type of Instru.	Period in Sec. for:			Dynamical Amplification
				N-S	E-W	Z	
Tehran (TEH)	35° 44' 16" N. 51° 23' 09" E. 1360 M.	a = 0.50773 b = 0.63570 c = 0.58146	S.H. Stuttgart-Hiller	$t_g = 0.25$ $T_s = 1.1$	$t_g = 0.25$ $T_s = 1.1$	$t_g = 0.25$ $T_s = 1.1$	10000 for 0.8 Sec. FOR ALL COMP.
"	"	"	G. Galitzin	$t_g = 12.3$ $T_s = 11.0$	$t_g = 12.3$ $T_s = 11.0$	$t_g = 11.1$ $T_s = 10.8$	1000 in Z 1500 in N-S 2000 in E-W for 10 Sec.
Tabriz (TAB)	38° 04' 03" N. 46° 19' 36" E. 1430 M.	a = 0.54010 b = 0.57088 c = 0.61400	WWSS	$t_g = 0.75$ $T_s = 1.0$	$t_g = 0.75$ $T_s = 1.0$	$t_g = 0.75$ $T_s = 1.0$	12500 for 1 Sec. FOR ALL COMP.
"	"	"		$t_g = 100$ $T_s = 15$	$t_g = 100$ $T_s = 15$	$t_g = 100$ $T_s = 15$	1500 for 15 Sec. FOR ALL COMP.

Mashad (MSH)	36° 18' 40" N. 59° 35' 16" E. 987 M.	a = 0.39654 b = 0.67468 c = 0.62251	WWSS	$t_g = 0.75$ $T_s = 1.0$	$t_g = 0.75$ $T_s = 1.0$	$t_g = 0.75$ $T_s = 1.0$	12500 for 1 Sec. FOR ALL COMP.
"	"	"	"	$t_g = 100$ $T_s = 15$	$t_g = 100$ $T_s = 15$	$t_g = 100$ $T_s = 15$	1500 for 15 Sec. FOR ALL COMP.
Shiraz (SHI)	29° 30' 40" N. 52° 31' 30" E. 1959 M.	a = 0.52972 b = 0.69067 c = 0.49225	WWSS	$t_g = 0.75$ $T_s = 1.0$	$t_g = 0.75$ $T_s = 1.0$	$t_g = 0.75$ $T_s = 1.0$	100000 for 1 Sec. FOR ALL COMP.
"	"	"	"	$t_g = 100$ $T_s = 15$	$t_g = 100$ $T_s = 15$	$t_g = 100$ $T_s = 15$	1500 for 15 Sec. FOR ALL COMP.
Kermanshah (KEH)	34° 21' 08" N. 47° 06' 21" E. 1310 M.	a = 0.56313 b = 0.60606 c = 0.56168	S.H.	$t_g = 0.25$ $T_s = 1.1$	$t_g = 0.25$ $T_s = 1.1$	$t_g = 0.25$ $T_s = 1.1$	6000 for 1 Sec. FOR ALL COMP.

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Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Jan. 1	eP eS	02 05 17 39		SHI	
Jan. 1	eP	06 04 (48)		SHI	
Jan. 1	eP	10 16 (37)		MSH	
Jan. 1	eP	10 20 (40)		SHI	
Jan. 1	eP eP	11 09 (00) 16		KER TEH	
Jan. 1	iP	15 12 40.2	C	SHI	
Jan. 1	eP	18 03 50		SHI	
Jan. 1	eP	19 37 55		SHI	
Jan. 1	iP	23 00 47.9	C	SHI	
Jan. 2	eP iS eP eS eP eP	00 01 27 45.7 55 02 55 25 30		KER TEH TAB SHI	
Jan. 2	eP eS	02 00 31 59		SHI	
Jan. 2	eiP	02 03 04		SHI	
Jan. 2	USCGS: 04 04 45.5, 31.3N, 138.2E, h= 394 Km. Mag.= 5.2 (CGS), South of Honshu, Japan.				
	eP	04 14 (56)		MSH	7040
	eP	15 19		TEH	7790
	iP	23.2	D	SHI	8010
	iP	16 35.2	D	TAB	9330
Jan. 2	USCGS: 04 52 17.1, 54.3N, 164.5W, h= 57 Km. Mag.= 5.3 (CGS), Unimek Island Region.				
	iP	05 04 52.2	C	TEH	9550
Jan. 2	eiP eP eP eS	05 09 49.7 10 13 17 11 18		SHI KER TEH	

JANUARY JAN 1966Y 1966.

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Jan. 2	eP i(S) eP eiS	05 27 52 28 19 14 55		KER TEH	
Jan. 2	iP eP eiP ¹ eiP ² eiP ³ eiS ¹ eiS ² eiS ³ eP eP eP	16 33 27 34 22 41 52 35 17 40 55 34 39 35 17 (23)	C	MSH TEH TAB KER SHI	
Jan. 2	eP eP	18 11 (36) 12 (23)		MSH TEH	
Jan. 2	eP eP	21 00 51 01 41		MSH SHI	
Jan. 2	USCGS: 23 12 18.8, 37.5N, 23.4E, h= 22 Km. Mag.= 4.9 (CGS), Southern Greece, Felt in Corinth Area.				
	eiP	23 16 34.9	D	TAB	2060
	eP	47		KER	2170
	eiP	17 21.5	D	TEH	2530
	eS eP	21 30 17 48		SHI	2830
Jan. 2	eP	23 48 29		KER	
Jan. 3	eP	09 55 48		MSH	
Jan. 3	eP	11 49 (56)		TEH	
Jan. 3	P eP	13 51 47.7 54 28		SHI TEH	
Jan. 3	iP eiS	14 06 58.6 07 23.5	D	TEH	
Jan. 3	eP	15 57 13		TEH	
Jan. 3	P	16 03 10.2	C	SHI	

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Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Jan.3	eiP	20 28 45.0		TAB	
Jan.4	eiP eiS	00 41 26.5 38.0		MSH	
Jan.4	eP eP	07 55 00 22		SHI TEH	
Jan.4	eiP	13 06 56.5		SHI	
Jan.4	eiP	16 40 05.5		SHI	
Jan.4	eP eP	17 55 01 57 (39)		SHI TEH	
Jan.4	eP	19 07 04		SHI	
Jan.4	eiP	22 52 31.9	D	TAB	
Jan.5	P eP	03 22 36.6 23 50		SHI KER	
Jan.5	eiP	05 17 41.5		TAB	
Jan.5	eP	07 14 46		SHI	
Jan.5	P eiP	08 38 35 39 43.5	C	SHI TEH	
Jan.5	eP	08 45 45		MSH	
Jan.5	eP	14 52 25		SHI	
Jan.5	USCGS: 17 21 28.4, 13.2N, 95.5E, h= 37 Km. Mag.= 5.3 (CGS), Andaman Islands Region.				
	eP	17 29 08		MSH	4550
	P	24.8	C	SHI	4770
	eiP	45.5	C	TEH	5040
	eisP	59.5			
	ePPP	32 08			
	eS	36 29			
	e(SSS)	40 28			
	eP	30 08		KER	5350
	eP	30 17		TAB	5490
Jan.5	eP	18 21 43		MSH	
	P	22 24.0		SHI	
	iP	34.1	C	TAB	
Jan.5	eP	19 44 27		MSH	

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Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Jan.5	eP	20 19 41		SHI	
Jan.5	eP	20 47 49		MSH	
Jan.6	eP	16 02 02		MSH	
Jan.6	eP	23 52 21		SHI	
Jan.7	iP eP	02 01 40.6 02 (44)	D	TAB KER	
Jan.7	eiP	02 03 04.0		TEH	
Jan.7	iP	03 02 31.0		TAB	
Jan.7	eP ei(S) eP eP iS eP	06 38 (00) 38.5 (08) 16 39 17.2 40 20		KER SHI TEH TAB	
Jan.7	P	07 57 09.7		SHI	
Jan.7	eP	12 01 (36)		KER	
Jan.7	eP	14 00 26		MSH	
Jan.7	eP	14 42 42		SHI	
Jan.7	eP	14 51 36		SHI	
Jan.7	eP	15 11 30		SHI	
Jan.7	eP	15 46 23		SHI	
Jan.7	iP	16 05 29.0	D	SHI	
Jan.7	eP	17 11 16		MSH	
Jan.7	iP iS eP	19 37 22.0 40.2 (52)	D	TAB KER	
Jan.7	eP	20 35 01		SHI	
Jan.7	eP	21 16 20		MSH	
Jan.8	eP eiP	01 16 44 17 22.5		SHI TAB	

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Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Jan.8	eP	01 56 48		SHI	
Jan.8	eP	08 12 10		SHI	
Jan.8	eiP	08 14 46		SHI	
Jan.8	P	15 08 41.2		SHI	
Jan.8	eP	17 31 44		TEH	
Jan.8	P	19 17 36.0	C	SHI	
Jan.8	P	20 41 57.0		SHI	
Jan.8	P	22 21 34.5		SHI	
Jan.8	eP	22 32 21		MSH	
	P	33 10.0	D	SHI	
	iP	16.4	D	TAB	
Jan.8	iP	22 49 31.1	D	TAB	
	P	50 30.0		SHI	
Jan.9	eP	00 21 37		MSH	
	P	49		SHI	
	eP	22 15		TEH	
	eS	24 40			
	eP	23 (05)		KER	
	eiS	26 10.5			
	eP	24 10		TAB	
Jan.9	eiP	00 41 23.1		TAB	
Jan.9	iP	02 47 27.5	D	TAB	
	iS	41.5			
Jan.9	P	03 14 58.2		SHI	
	eiP	15 17.5		TEH	
	iP	45.6	(D)	TAB	
Jan.9	P	07 38 01.0		SHI	
Jan.9	eP	08 58 55		MSH	
Jan.9	eiP	11 30 06.5		MSH	
Jan.9	eP	17 44 28		TAB	
Jan.9	eP	23 10 46		TAB	

JANUARY 1966.

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Jan.10	iP	00 54 05.1	C	TEH	
	eiS ¹	22.0			
	eiS ²	27.0			
	eP	31		KER	
	eiS	55 06.5			
	eiP	00 54 50.0	(C)	TAB	
Jan.10	iP	01 28 38.4	C	MSH	
	iP	29 36.0	C	SHI	
	eP	41		TEH	
	eiP	30 04.5		KER	
	iP	08.5	C	TAB	
Jan.10	eP	04 09 11		KER	
	eiS	(47.5)			
	eP	20		TEH	
	eS	10 01			
	eP	11 24		TAB	
Jan.10	eP	06 44 07		TAB	
Jan.10	P	09 35 10.2		SHI	
	eP	37 00		TEH	
	eP	(05)		KER	
	eP	40 11		MSH	
Jan.10	eiP	10 05 55.5		SHI	
	eS	06 17			
Jan.10	eP	10 40 (21)		SHI	
Jan.10	P	13 52 05.5		SHI	
Jan.10	eP	16 14 01		TEH	
	eS	15 32			
Jan.10	P	17 03 15.0		SHI	
Jan.10	eP	54 28		KER	
	eiS	42.5			
	eP	55 04		TEH	
	eP	56 22		TAB	
Jan.11	eP	03 00 02		SHI	
Jan.11	iP	21 40.0	D	MSH	
	iP	22 05.2	D	SHI	
	eP	18		TEH	
	eP	37		KER	

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Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Jan. 11	eP	06 15 07		TAB	
	eP	16 (04)		SHI	
Jan. 11	eP	07 01 40		MSH	
Jan. 11	eP	09 17 (04)		SHI	
Jan. 11	eP	14 16 38		MSH	
Jan. 11	P	14 22 18.0		SHI	
Jan. 11	USCGS: 14 16 32.2, 33.7N, 137.2E, h= 33 Km. Mag.= 5.3 (CGS), Near S. Coast of Honshu, Japan.				
	eiP	14 26 51.0	C	MSH	6880
	iP	27 48.1	C	TAB	7880
	eP	32		TEH	7590
	ePP	30 01			
	eS	36 35			
	iP	27 43.0	C	SHI	7780
	eS	36 55			
	eiP	27 54.5		KER	8000
Jan. 11	P	19 24 31		SHI	
Jan. 11	iP	20 45 25.0		TAB	
Jan. 11	eP	23 25 46		SHI	
	eS	26 12			
Jan. 12	eP	01 15 33		TAB	
Jan. 12	eP	01 34 27		SHI	
Jan. 12	eP	04 35 28		TAB	
Jan. 12	eP	08 18 05		MSH	
Jan. 12	eP	11 04 48		MSH	
Jan. 12	eiP	13 43 42		SHI	
Jan. 12	eP	20 36 13		SHI	
Jan. 12	eP	21 06 (13)		KER	
	eP	07 03		TEH	
Jan. 13	eP	00 40 47		MSH	
	eiS	41 23.5			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Jan. 13	P	03 42 56.5		SHI	
	ceP	45 14		MSH	
Jan. 13	USCGS: 10 41 11.0, 52.9N, 172.0E, h= 14 Km. Mag.= 5.6 (CGS), 4-4½ (BRK), 5½ - 5¾ (PAL), Near Islands, Aleutian Islands.				
	eiP	10 52 46.0	C	MSH	8190
	eiP	53 11.5	C	TEH	8670
	eiPcP	22.0			
	eis(PcP)	29.0			
	eiPP	56 05			
	eS	11 03 05			
	iP	10 53 12.0	C	TAB	3690
	eP	26		KER	9000
	P	34.0	C	SHI	9150
	eS	11 03 42			
Jan. 13	P	12 36 19.2		SHI	
Jan. 13	eP	14 01 44		SHI	
Jan. 13	eP	14 33 (11)		KER	
Jan. 13	eiP	15 53 50.8		TAB	
Jan. 13	eP	16 19 55		MSH	
	eS	20 30			
Jan. 13	iP	16 32 46.0	C	SHI	
Jan. 13	iP	16 51 48.0		TAB	
Jan. 13	eP	19 50 39		MSH	
Jan. 14	eP	02 31 00		SHI	
	eS	20			
Jan. 14	eP	03 16 31		TAB	
Jan. 14	eP	04 00 20		MSH	
Jan. 14	P	05 06 14.5		SHI	
Jan. 14	eP	06 03 (32)		KER	
Jan. 14	eP	08 38 34		MSH	
	eiS	39 09.5			
	eP	32		TEH	
Jan. 14	eP	10 52 47		MSH	

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Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Jan. 14	eP	13 18 (52)		TEH	
Jan. 14	eP	18 43 28		KER	
	eiP	44 05.0	C	TEH	
	P	27.0 (C)		SHI	
Jan. 14	eP	20 27 (09)		SHI	
Jan. 15	eP	00 36 50		SHI	
Jan. 15	P	01 24 59		SHI	
Jan. 15	P	05 55 43		SHI	
Jan. 15	eiP	07 22 34		SHI	
Jan. 15	USCGS:	11 59 58.6, 59.5N, 144.6W, h= 33 Km., Mag.= 5.3-5.5 (BRK), 5.1 (CGS), Gulf of Alaska.			
	eP	12 12 20		MSH	9200
	eiP	22.0 (C)		TAB	9220
	eP	29		TEH	9380
	e(S)	23 10			
Jan. 15	eP	16 52 03		SHI	
Jan. 15	eP	17 42 33		SHI	
Jan. 15	USCGS:	18 07 46.3, 36.7N, 23.1E, h= 35 Km., Mag.= 4.7 (CGS), Southern Greece.			
	eP	18 12 49		TEH	2550
	P	13 15.0		SHI	2850
	eP	(15)		KER	(2850)
Jan. 15	P	19 33 49.8		SHI	
Jan. 15	eP	19 48 44.3		SHI	
Jan. 15	eP	19 50 11		SHI	
Jan. 15	iP	21 50 19.0		TAB	
Jan. 16	eP	00 28 55		SHI	
	eP	29 16		KER	
Jan. 16	eP	06 43 14		TAB	
Jan. 16	USCGS:	07 07 56.9, 9.2N, 93.8E, h= 33 Km., Mag.= 5.2 (CGS), Nicobar Islands Region.			
	P	07 16 00		SHI	4840
	eP	27		TEH	5220

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Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Jan. 16	USCGS:	09 11 50.0, 52.9N, 171.9E, h= 25 Km., Mag.= 5.7 (CGS), Near Islands Aleutian Islands.			
	eP	09 23 23		MSH	8180
	iP	48.0	C	TEH	8660
	eiP	58.0			
	eiS	24 02			
	eiP ₁	05			
	eiP ₂	26 42.5			
	iP	23 49.2	C	TAB	8700
	iP	24 11.6	C	SHI	9150
Jan. 16	eP	11 40 47		MSH	
Jan. 16	eP	12 53 (50)		SHI	
Jan. 16	eiP	13 00 28.5		SHI	
Jan. 16	P	18 42 30.2		SHI	
Jan. 16	USCGS:	18 52 00.8, 33.2N, 26.2E, h= 33 Km., Mag.= 5.0 (CGS), Eastern Mediterranean Sea.			
	eiP	18 56 02.0		TAB	1920
	eP	05		KER	1950
	iP	45.0	D	TEH	2350
	ePP	57 05			
	eiS	19 00 38.0			
	iP	18 57 03.2	D	SHI	2550
Jan. 16	P	19 56 40.1	C	SHI	
Jan. 16	USCGS:	20 02 09, 30.8N, 50.2E, h= 33 Km., Mag.= 4.4 (CGS), Iran.			
	eP	20 02 46		SHI	260
	eP	03 (22)		KER	540
	iS	04 28.7			
	iP	03 25.0	C	TEH	570
	eiP ₁	35			
	eiS ₂	04 19.0			
	eP	20 04 41		TAB	990
Jan. 16	eiP	20 19 22.0		TAB	
	eP	20 11		TEH	
	P	35.2		SHI	
Jan. 16	P	23 53 14.8		SHI	
Jan. 17	eP	01 25 52		TEH	
	eiS	26 00.0			
					(10)

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Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Jan. 17	eP	11 54 43		SHI	
	eP	55 22		TEH	
	eP	(26)		KER	
Jan. 17	eP	13 17 40		TEH	
Jan. 17	eP	14 14 46		MSH	
Jan. 17	eP	18 57 33		MSH	
	eP	58 00		TEH	
	eP	11		TAB	
Jan. 17	eP	20 09 18		TAB	
Jan. 18	eP	01 24 19		TAB	
Jan. 18	eP	01 24 20		KER	
Jan. 18	iP	03 16 50.6		TAB	
Jan. 18	eP	08 49 33		TEH	
	eS	50 15			
Jan. 18	eP	12 48 41		MSH	
Jan. 18	eP	15 48 54		MSH	
Jan. 18	eP	20 24 20		TAB	
Jan. 18	eP	20 31 45		MSH	
Jan. 18	eiP	20 54 55.0		MSH	
	eS	55 30			
	eiP ₁	27.5	C	TEH	
	eiP ₂	42.5			
	iP ₃	52.5			
	iS	56 43.0			
	iP	20 56 14.2	(D)	TAB	
	eP	20		KER	
Jan. 18	eiP	21 05 56		MSH	
	eS	06 28			
	eP	(21)		TEH	
	iP	07 13.7	D	TAB	
Jan. 18	USCGS:	21 20 00.3, 35.0N, 23.7E, h= 52 Km.,			
	Mag.= 4.9 (CGS), Crete.				
	iP	21 24 18.6	D	TAB	2100
	eP	25 02		TEH	2630

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Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Jan. 18	eP	22 15 32		TAB	
Jan. 19	eP	01 36 13		MSH	
Jan. 19	eP	01 59 24		MSH	
Jan. 19	eP	12 08 24		MSH	
Jan. 19	eP	13 34 13		MSH	
Jan. 20	USCGS:	00 39 01.6, 39.2N, 24.4E, h= 25 Km.,			
	Mag.= 4.3 (CGS), Aegean Sea, Feltin Sparades Island.				
	eP	00 43 05.5		TAB	990
	eP	23		KER	1120
	eP	52		TEH	1250
Jan. 20	eP	01 55 00		MSH	
	eiP	54.4	D	TAB	
	eP	56 03		KER	
Jan. 20	eP	04 02 12		MSH	
Jan. 20	eP	07 45 15		SHI	
Jan. 20	P	07 56 39.8		SHI	
Jan. 20	eiP	07 58 18		SHI	
	eP	51		KER	
	iP	59 14.6	C	TEH	
	ei(S)	08 03 45			
Jan. 20	P	08 53 46		SHI	
	eP	54 18		KER	
	eiP	40.5	C	TEH	
	ei(S)	59 16			
Jan. 20	eP	09 02 06		SHI	
Jan. 20	eP	09 33 31		SHI	
Jan. 20	eP	09 39 (55)		TEH	
	eP	40 (41)		KER	
Jan. 20	eP	10 33 26		SHI	
	eP	34 18		TEH	
Jan. 20	eP	10 38 03		SHI	
	eP	(36)		KER	
	eP	56		TEH	

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Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Jan.20	P	11 12 30		SHI	
Jan.20	iP	13 23 11.0	C	SHI	
Jan.20	USCGS:	14 46 06.2, 53.ON, 171.8E, h= 29 Km.			
		Mag.= 5.4 (CGS), Near Islands, Aleution Islands.			
	eP	14 57 39		MSH	8180
	iP	58 02.5	C	TEH	8670
	iP	26.2	C	SHI	9150
Jan.20	eP	15 53 55		SHI	
	eP	54 51		TEH	
	e(S)	59 23			
Jan.20	eP	16 01 (32)		KER	
Jan.20	eP	16 03 29		TEH	
Jan.20	P	16 15 53.2		SHI	
Jan.20	eP	16 44 58		TEH	
Jan.20	eP	19 36 57		TEH	
Jan.20	eP	21 38 33		SHI	
Jan.20	P	22 40 52.8		SHI	
	eP	41 50		TEH	
	e(S)	46 16			
Jan.20	eP	22 46 19		MSH	
	eS	38			
Jan.20	eP	22 49 (15)		TEH	
Jan.20	eP	23 05 15		SHI	
Jan.20	eP	23 12 (18)		KER	
Jan.20	eP	23 33 11		SHI	
Jan.20	eP	23 46 23		MSH	
	P	47 13		SHI	
Jan.21	eP	00 52 37		SHI	
Jan.21	eP	09 54 (50)		SHI	
Jan.21	eP	10 03 43		MSH	

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Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Jan.21	USCGS:	12 39 43, 12.ON, 43.8E, h= 33 Km.,			
		Mag.= 4.7 (CGS), Western Arabian Peninsula.			
	eP	12 44 09		SHI	2150
	eP	(45)		KER	2550
	eP	45 05		TEH	2770
	eS	49 41			
	e(ScS)	56 18			
Jan.21	eP	14 07 08		SHI	
Jan.21	eP	14 43 31		SHI	
Jan.21	P	14 54 50		SHI	
Jan.21	eiP	16 05 20		SHI	
Jan.21	P	16 48 58.0		SHI	
Jan.21	eP	17 04 00		SHI	
Jan.21	eP	17 25 (03)		SHI	
Jan.21	eP	17 31 (38)		KER	
Jan.21	P	18 16 12.2		SHI	
Jan.21	eP	20 01 06		SHI	
Jan.21	eP	20 44 07		SHI	
Jan.21	eP	22 25 44.		SHI	
Jan.21	eP	23 07 56		SHI	
Jan.21	eP	23 14 (48)		KER	
Jan.22	eP	00 03 46		TEH	
	ciS	58.5			
Jan.22	USCGS:	00 23 42.7, 37.7N, 30.0E, h= 33 Km.,			
		Mag.= 5.0 (CGS), Turkey.			
	eP	00 27 11		KER	1640
	eP	45		TEH	1940
	ePP	28 00			
	eS	31 07			
	eP	28 20		SHI	2270
	eS	32 08			
	eiP	28 54.5		MSH	2650

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Jan.22	eiP eiS eP	06 31 28 (45) 32 30		KER TEH	
Jan.22	eP eS	06 37 (38) 52		TEH	
Jan.22	P	07 01 19.2		SHI	
Jan.22	eP	07 22 (25)		SHI	
Jan.22	eP	10 02 41		SHI	
Jan.22	eP eiS	10 52 18 53 13		TEH	
Jan.22	P	11 21 46.0		SHI	
Jan.22	eP	12 22 59		SHI	
Jan.22	eP	12 36 36		MSH	
Jan.22	eP	13 07 42		TEH	
Jan.22	eP eP	13 21 48 22 45		SHI TEH	
Jan.22	eP	13 29 (40)		KER	
Jan.22	USCGS:	14 27 07.9, 56.0N, 153.7E, h= 33 Km., Mag.= 6/4 (BRK), 6 (PAS), 6 1/4 - 6 1/2 (PAL), 5.8(CGS), South of Alaska.			
	iP	14 39 28.0 C		MSH	9150
	iP	48.0 C		TEH	9610
	eiPP	43 11.0			
	eS	50 14			
	eP	39 58		KER	9830
	eiP	40 13.2		SHI	10190
	eiPP	43 54			
	e(S)	50 45			
Jan.23	eiP	11 31 45.2		SHI	
Jan.23	P	13 36 42.8		SHI	
Jan.23	eP	13 43 12		TEH	
Jan.23	P	21 47 15.2		SHI	
Jan.23	P	23 20 34.7		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Jan.24	USCGS:	02 15 27.7, 32.7N, 67.6E, h= 33 Km., Mag.= 5.2 (CGS), Afghanistan.			
	P	02 18 35.2		SHI	1460
	eP	44		TEH	1540
	ePPP	19 03			
	eS	21 19			
	eP	19 29		KER	1930
Jan.24	USCGS:	07 23 07.6, 29.9N, 69.7E, h= 12 Km., Mag.= 5.6 (CGS), West Pakistan Felt at Barkhan, Dera Ghozikhana and Multan.			
	eiP	07 26 38		SHI	1620
	iP	27 00.9 C		TEH	1840
	eiPP	11.5			
	ePPPP	22			
	ePPPP	38			
	eiS	30 08			
	eiSS	25			
	eP	27 (38)		KER	2170
Jan.24	eP	10 59 07		SHI	
Jan.24	USCGS:	15 32 48.1, 29.9N, 69.8E, h= 4 Km., Mag.= 5.3 (CGS), West Pakistan, Felt at Barkhan.			
	eP	15 36 22		SHI	1650
	eP	42		TEH	1840
	eS	39 37			
	eSS	40 07			
	eP	37 21		KER	2170
Jan.24	eP	18 13 20		SHI	
Jan.24	eP	18 51 59		SHI	
Jan.24	eP	23 10 40		TEH	
	eS	53			
Jan.24	iP	23 58 48.0 C		SHI	
Jan.25	P	15 35 02.0		SHI	
Jan.25	P eP	18 16 50.0 17 05		SHI TEH	
Jan.25	eP eP	19 40 47 41 10		TEH SHI	
Jan.25	eP	22 05 41		TEH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Jan. 26	P	10 42 35.2		SHI	
Jan. 26	eP	11 28 (38)		SHI	
Jan. 26	eP	13 36 09		SHI	
Jan. 26	eP	13 53 55		TEH	
Jan. 26	eP	17 47 23.8		SHI	
Jan. 26	eiP eP	21 43 58.0 (D) 44 27		TAB TEH	
Jan. 26	P	23 05 02.6		SHI	
Jan. 27	eP	01 06 56		KER	
Jan. 27	P	02 22 17.4		SHI	
Jan. 27	eiP	02 29 52.8		SHI	
Jan. 27	eP	10 54 01		SHI	
Jan. 27	eiP	12 11 36.5		SHI	
Jan. 27	eP P	19 51 22 44.9 C		TAB SHI	
Jan. 27	eP	19 56 34		TAB	
Jan. 28	eP iS	01 36 49 50.4		TAB	
Jan. 28	eP	04 54 50		SHI	
Jan. 28	eiP	04 57 36.8		TAB	
Jan. 28	eP eiP	06 01 (11) 20.4		SHI TAB	
Jan. 28	USCGS:	08 52 02.2, 39.3N, 73.1E, h= 20 Km., Mag.= 5.4 (CGS), Tadzhih-Sinkiang Bordar Region.			
	eP	08 56 11		TEH	1990
	eiPP	24.5			
	eiPPP	34			
	eS	59 33			
	eiP	56 30		SHI	2160
	eiP	50.0		TAB	2350
	eP	51		KER	2360

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Jan. 28	eiP	09 48 16		SHI	
Jan. 28	P	19 22 35.0		SHI	
Jan. 28	eiP eP iP	22 49 23.0 27 49 46.9 D	D	TEH TAB SHI	
Jan. 28	iP eP eP	23 45 13.0 46 10 (35)	C	TAB KER TEH	
Jan. 29	eP	00 20 14		TAB	
Jan. 29	eP	02 24 02		TAB	
Jan. 29	P	08 03 49.8 C	C	SHI	
Jan. 29	iP	13 28 53.4 C	C	TAB	
Jan. 29	iP iS eP	15 12 44.7 46.8 13 14	C	TEH MSH	
Jan. 29	P	18 02 23		SHI	
Jan. 29	eP	18 54 16		SHI	
Jan. 30	iP	00 37 44.1 C	C	TAB	
Jan. 30	eP	00 39 (01)		KER	
Jan. 30	eiP	01 20 37.6		TAB	
Jan. 30	eiP	01 56 46.8 C	C	TAB	
Jan. 30	eP	02 05 (30)		SHI	
Jan. 30	eP P	06 51 27 52 42.4		TAB SHI	
Jan. 30	iP	21 19 41.8 C	C	TAB	
Jan. 30	eP	21 45 06		MSH	
Jan. 30	eP	23 05 40		SHI	
Jan. 31	eiP	00 57 23		SHI	

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Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Jan.31	eiP	02 41 56.0	D	MSH	
	eP	42 48.6		SHI	
	eP	43 21		KER	
	eiP	24.0 (C)		TAB	
Jan.31	P	05 05 21		SHI	
Jan.31	eP	10 00 42		SHI	
Jan.31	eP	12 32 14		KER	
	iS	51.5		SHI	
	eP	(34)		TAB	
	eP	33 (17)			
Jan.31	P	14 20 20.6		SHI	
Jan.31	iP	19 45 25.1	C	SHI	
Jan.31	iP	19 53 01.8	C	SHI	

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Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Feb.1	e P	02 51 20	D	MSH	
	e S	52 00			
	e P	01		TEH	
	e P ¹	19			
	e(S) ²	53 09			
	e P	52 46		KER	
	eiP	46.4	D	TAB	
Feb.1	e P	03 25 14		TAB	
Feb.1	USCGS: 05 58 21.9, 42.1N, 66.4E, h= 33 Km. Mag.= 4.7 (CGS), Central Kasakh, S.S.R.				
	e P	06 00 10		MSH	815
	e P	01 35		TEH	1510
	e(S)	04 03			
	e P	02 16		SHI	1690
Feb.1	USCGS: 07 07 45.8, 35.1N, 46.0E, h= 4 Km. Mag.= 4.4 (CGS), Iran-Iraq Border Region.				
	iP	07 08 07.9	D	KER	200
	iS	24.0			
	eiP	42.3 (C)		TAB	390
	e P	(38)			
	e P ¹	09 11			
	e S ²	56			
	ciS ¹	10 08.5			
	P ²	09 40.5		SHI	840
Feb.1	e P	07 14 30		MSH	
Feb.1	e P	07 44 (16)		KER	
	iS	32.5			
Feb.1	P	09 50 12.5		SHI	
Feb.1	e P	10 01 35		SHI	
Feb.1	P	10 58 00.3		SHI	
Feb.1	e P	15 04 52		TAB	
	e P	06 20		SHI	
Feb.1	P	16 11 19.7		SHI	
Feb.1	e P	18 03 00		KER	
	e S	15			
	eiP	34.3 (D)		TAB	
Feb.1	e P	23 49 29		MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Feb.2	iP iS	00 43 00.3 05.3	D	TAB	
Feb.2	e P	05 53 (22)		SHI	
Feb.2	e(P)	09 22 50		MSH	
Feb.2	USCGS: 09 20 07.5, 39.9N, 73.0E, h= 26 Km. Mag.= 5.3 (CGS), West Pakistan, Feltat Rawalpindi and Havelian.				
	e P	09 24 16		TEH	1990
	P	17.9		SHI	2000
	e P	56		KER	2380
Feb.2	P	17 29 27.4		SHI	
Feb.3	P	01 06 10.2		SHI	
Feb.3	e(P)	02 25 09		SHI	
Feb.3	USCGS: 05 48 06.1, 0.1N, 123.5E, h= 131 Km. Mag.= 5.9 (CGS), Northern Celebes.				
	iP	05 59 25.0	C	SHI	8140
	e(S)	06 08 32			
	eiP	05 59 36.5	C	TEH	8340
	e S	06 09 13			
	e(SKS)	35			
	e P	05 59 55		KER	8680
	iP	06 00 01.8	C	TAB	8870
Feb.3	e P	09 10 57		TEH	
	e S	11 19			
Feb.3	e P	09 11 (59)		KER	
Feb.3	P	10 56 50.2		SHI	
Feb.3	P	12 08 54.7	D	SHI	
	e P	09 23		KER	
Feb.3	e P	15 06 30		TEH	
	e S	07 15			
	e P	06 34		MSH	
Feb.3	e P	15 52 (59)		TEH	
	e S	53 46			
	e(P)	53 19		MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Feb.3	e P	17 20 46		MSH	
	P	21 33.3		SHI	
	e P	58		KER	
Feb.3	e P	17 30 33		MSH	
Feb.3	e P	17 53 18		SHI	
Feb.3	e P	18 07 56		SHI	
Feb.3	P	23 07 24.0		SHI	
Feb.3	e P	23 26 (35)		SHI	
	e P	27 (49)		KER	
Feb.4	e P	05 51 14		SHI	
Feb.4	e P	06 31 (08)		SHI	
Feb.4	USCGS: 08 38 01.1, 34.3N, 24.0E, h= 21 Km. Mag.= 4.8 (CGS), Crete.				
	e P	08 42 21		TAB	2070
	e P	27		KER	2140
	e P	43 04		TEH	2440
	e S	47 10			
	e P	43 24		SHI	2760
Feb.4	P	10 15 35.2		SHI	
Feb.4	USCGS: 10 39 12.2, 15.9N, 167.9E, h= 190 Km. Mag.= 6.0 (CGS), New Hebrides Islands.				
	e P	10 57 40		TEH	13330
	e SKP	11 00 54			
	P	10 57 41.1		SHI	13380
	e PP	59 03			
	e P	57 49		KER	13830
	eiP	57 52.0 (D)		TAB	14000
	eipPP	11 00 23.8			
Feb.4	e P	12 49 27		TAB	
Feb.4	eiP	17 59 40.5		TAB	
	iS	43.4			
Feb.4	e P	23 40 08		SHI	
Feb.5	P	01 37 28.5		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Feb.5	USCGS: 02 01 48.3, 39.2N, 22.0E, h= 38 Km. Mag.= 6 $\frac{1}{4}$ (PAS), 5 $\frac{1}{4}$ - 6(BRK), 5.8 (CGS), Greece, 1 Killed, 50 injured, 8500 Homeless. Towns of Abestia Fowrna, Klistas and Krenti destroyed, felt in Central Greece.				
	iP	02 06	D	TAB	2130
	iS	10 25.5			
	eiP	06 28		KER	2300
	ei(S)	10 23			
	eiP	06 58.5	D	TEH	2640
	eiS	11 12			
	iP	07 27.0	D	SHI	2970
	iS	12 17.0			
	iP	07 55.0	D	MSH	3320
Feb.5	eiP	03 02	(D)	TAB	
Feb.5	P	03 03		SHI	
Feb.5	e P	14 12		TEH	
Feb.5	e P	14 18		MSH	
Feb.5	eiP	14 36		SHI	
Feb.5	USCGS: 15 12 29.1, 26.1N, 103.1E, h= 15 Km. Mag.= 6.1 (CGS), Yunnan Province, China.				
	iP	15 19	D	MSH	3500
	P	20 42.2		SHI	4950
	e(S)	27 16			
	e P	15 20		TEH	5020
	eiPP	22 38.5			
	eiPPP	23 18			
	e S	27 27			
	e P	21 15		KER	5410
	iP	19.0	D	TAB	5470
	iS	28 24.2			
Feb.5	P	16 16		SHI	
Feb.5	USCGS: 16 16 01, 50.2N, 155.1E, h= 98 Km. Mag.= 5.8 (CGS), Kurile Islands.				
	eiP	16 26		MSH	7410
	eiP	27 14	C	TEH	7950
	eiPP	29 55			
	e S	36 26			
	iP	27 20.0		TAB	8200
	e P	33		KER	8330
	iP	36.3	C	SHI	8390

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Feb.5	e P	19 33		KER	
	e P	55		TEH	
Feb.5	eiP	19 56		SHI	
Feb.5	e P	20 40	(32)	KER	
	e P	48		TEH	
Feb.5	e P	23 10	(10)	SHI	
	e P	11 12		KER	
Feb.5	P	23 53	20.2	SHI	
Feb.5	e P	23 55		MSH	
Feb.6	e P	06 46		TAB	
Feb.6	eiP	09 21		SHI	
Feb.6	e P	13 48		TEH	
Feb.6	P	21 35	40.8	SHI	
Feb.6	P	22 17	11.3	SHI	
	e P	(28)		KER	
	e P	56		TEH	
	e P	18 50		TAB	
Feb.6	eiP	23 40		TAB	
	P	48.8		SHI	
Feb.7	USCGS: 04 26 13.9, 29.8N, 69.7E, h= 33 Km. Mag.= 6 $\frac{1}{4}$ - 6 $\frac{1}{2}$ (PAS), 6 $\frac{1}{2}$ - 6 $\frac{1}{4}$ (PAL), 6.0 (CGS). West Pakistan, 12 Dead, Extensive Damage at Barkhan and Nearby Villages. Felt at Bahawalpur, Fort Munre and Lahore.				
	iP	04 28	D	MSH	1180
	P	29 42.0		SHI	1640
	eiP	30 03.5	C	TEH	1830
	eiS	33 16			
	eiP	30 40.5		KER	2820
	iP	58.4		TAB	3040
Feb.7	e P	05 07	(08)	SHI	
Feb.7	USCGS: 05 21 44.6, 30.0N, 69.9E, h= 10 Km. Mag.= 5.4 (CGS), West Pakistan Felt.				
	P	05 25	D	SHI	1670
	e P	40		TEH	1850
	e P	26 17		KER	2190
	e P	34		TAB	2370

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Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Feb.7	USCGS:	05 30	19.2, 30.0N, 69.6E,	h= 43 km.	
	Mag.= 5.3 (CGS),		West Pakistan Felt.		
	e P	05 32 51		MSH	1190
	P	33 47.2		SHI	1640
	e P	34 08		TEH	1830
	e P	45		KER	2170
	eiP	35 06.3 (D)		TAB	2390
Feb.7	e P	07 00 38		SHI	
Feb.7	e P	07 03 15		MSH	
Feb.7	e P	08 41 13		TEH	
	e P	47		SHI	
	e P	42 50		MSH	
	e P	43 06		TAB	
Feb.7	eiP	16 47 09.0		TAB	
Feb.7	P	23 00 42.6		SHI	
Feb.7	USCGS:	23 06	34.5, 30.2N, 69.8E,	h= 10 Km.	
	Mag.= 6 $\frac{1}{4}$ - 6 $\frac{1}{2}$ (FAL),		5.8 (CGS),	West Pakistan	
	Felt in Larabian District,		Bahwalpur, Fort		
	Munro and Multon.				
	e P	23 09 08		MSH	1170
	P	10 06.2		SHI	1650
	iS	13 03			
	e P	10 27		TEH	1820
	i?	29.5 C			
	eiS	13 43			
	e P	11 05		KER	2170
	iP	19.8 C		TAB	2330
	i(F)	21.4 C			
	iS	15 09.5			
Feb.7	iP	23 27 23.3	D	SHI	
Feb.8	e P	00 06 57		SHI	
Feb.8	e P	00 15 (03)		SHI	
Feb.8	P	00 25 54.0	D	SHI	
Feb.8	e P	00 29 32		SHI	
	e P	30 47		TAB	
Feb.8	e P	05 56 00		SHI	
Feb.8	e P	13 20 39		TEH	
	P	21 08.2		SHI	

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Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Feb.8	iP	13 49 34.2		SHI	
Feb.8	e P	14 20 30		MSH	
Feb.8	P	15 13 15.0		SHI	
Feb.8	eiP	20 12 03.3		TAB	
	e P	25		KER	
	e P	53		TEH	
	eiP	13 20.2		SHI	
Feb.9	e P	04 54 54		SHI	
	e P	55 08		TAB	
Feb.9	eiP	05 00 24.0		MSH	
Feb.9	iP	06 30 59.2		TAB	
Feb.9	eiP	07 30 00.0		MSH	
	iP	14.1 C		SHI	
	eiP	33.5		TEH	
	e P	48		KER	
Feb.9	eiP	08 22 47		SHI	
Feb.9	e P	08 26 05		TEH	
Feb.9	e P	12 25 07		TAB	
Feb.9	P	15 32 37		SHI	
Feb.9	eiP	15 42 33.8		SHI	
Feb.9	P	20 54 05		SHI	
Feb.9	P	22 29 47.7		SHI	
	e P	30 58		TAB	
Feb.9	e P	23 44 23		TEH	
	P	32.5		SHI	
	eiP	37.3 C		TAB	
Feb.10	iP	02 12 48.1	D	SHI	
Feb.10	e P	03 17 13		MSH	
	eiS	33			
	e P	40		KER	
Feb.10	e P	05 40 42		TEH	
	P	51.5		SHI	
	eiP	56.8 C		TAB	

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Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Feb. 10	P	06 15 33.8		SHI	
Feb. 10	e P	07 59 23		MSH	
Feb. 10	USCGS: 14 21 10.9, 20.8N, 146.3E, h= 43 km. Mag.: 6½ (FAS), 6½ (BRK), 6½ - 6½ (PAL), 6.2 (CGS), Mariana Island Region.				
	eiP	14 32 54.0		MSH	3410
	eiS	42 30.0			
	e P	33 29		TEH	9120
	e PP	36 33			
	e (PPP)	38 13			
	eS	43 31			
	P	33 34.2	C	SHI	9240
	eS	43 46			
	e P	33 47		KER	9570
	eS	44 (06)			
	iP	33 47.8	C	TAB	9590
	iS	44 00.0			
Feb. 10	e P	14 51 53		SHI	
Feb. 10	e P	15 00 03		SHI	
	e P	20		MSH	
Feb. 10	iP	20 05 53.5	C	SHI	
Feb. 10	e P	20 24 00		MSH	
	e P	33		TEH	
	e P	39		TAB	
	e P	53.6	(D)	SHI	
	e P	54		KER	
Feb. 10	eiP	22 47 32.0		TAB	
Feb. 11	e P	01 41 50		TAB	
Feb. 11	e P	04 31 50		MSH	
Feb. 11	e P	11 39 25		TEH	
Feb. 11	e P	14 40 15		SHI	
Feb. 11	e P	16 18 50		MSH	
Feb. 11	e P	18 59 49		TAB	
Feb. 11	P	23 02 07.7		SHI	
Feb. 11	e P	23 35 06		MSH	
	eS	42			

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Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Feb. 12	e P	00 10 31		TAB	
Feb. 12	iP	00 39 08.0		SHI	
Feb. 12	e P	01 27 18		MSH	
	eS	28 00			
Feb. 12	e P	08 09 (10)		SHI	
	e(P)	15		MSH	
Feb. 12	eiP	15 19 29.0		TAB	
Feb. 12	e P	16 33 01		SHI	
Feb. 12	USCGS: 16 34 11.3, 36.6N, 71.5E, h= 188 km. Mag.= 4.9 (CGS), Afghanistan - USSR Border Region.				
	e P	16 36 26		MSH	1070
	e S	38 09			
	e P	37 52		TEH	1810
	e S	41 08			
	P	38 03.2	D	SHI	1930
	eiP	32		KER	2230
	eiP	36.5		TAB	2280
Feb. 12	P	17 58 33.2		SHI	
Feb. 12	e(P)	19 17 24		SHI	
Feb. 13	USCGS: 04 57 57.7, 49.8N, 78.1E, h= 0 km. Mag.= 5½ - 5½ (BRK), 6.3 (CGS), Eastern Kazakh - SSR.				
	eiP	05 02 23.5		MSH	2150
	e P	03 14		TEH	2650
	e S	07 27			
	iP	03 32.6	C	TAB	2770
	e P	49		KER	3070
	i?	05 00.5		SHI	3470
Feb. 13	e P	06 48 10		MSH	
	eiP	31.5		SHI	
Feb. 13	USCGS: 10 44 41.0, 26.1N, 103.2E, h= 33 Km. Mag.= 5½ - 6 (PAL), 5.7 (CGS), Yunnan Province, China.				
	eiP	10 52 04.0		MSH	4300
	e P	57		TEH	5020
	e S	59 37			
	e P	53 26		KER	5450
	iP	29.8	C	TAB	5590
	iS	11 00 35.0			
	eiP	10 54 52		SHI	6750

(28)

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Feb. 13	iP	12 52 24.0	D	MSH	
Feb. 13	e(P)	13 52 11		MSH	
Feb. 13	e P	15 16 55		SHI	
Feb. 13	P	19 06 57.3		SHI	
Feb. 13	USCGS: 19 09 47.4, 29.6N, 69.7E, h= 33 km. Mag.= 5.1 (CGS), West Pakistan Felt at Barkhan.				
	e P	19 12 20		MSH	1170
	e P	13 16		SHI	1640
	e P	48		TEH	1910
	e S	16 56			
	e P	14 17		KER	2190
	e P	31		TAB	2340
Feb. 14	e P	01 14 30		SHI	
Feb. 14	P	04 04 22.1		SHI	
Feb. 14	P	05 44 32.5		SHI	
	e(P)	45 48		MSH	
Feb. 14	iP	16 06 17.5		TAB	
Feb. 14	P	16 48 39.2		SHI	
Feb. 14	P	17 25 (00)		SHI	
Feb. 14	USCGS: 17 57 50.0, 35.0N, 27.2E, h= 46 Km. Mag.+ 5.0 (CGS), Eastern Mediterranean Sea.				
	e P	18 01 31		TAB	1760
	e P	43		KER	1860
	e P	02 21		TEH	2200
	e S	06 05			
	P	02 44		SHI	2460
	e P	03 22		MSH	2900
Feb. 14	e P	20 21 25		TAB	
	e P	42		KER	
	P	22 38.2		SHI	
Feb. 15	e P	01 39 00		SHI	
Feb. 15	e P	04 27 35		TAB	
Feb. 15	eiP	08 59 03		SHI	
Feb. 15	e P	16 01 (32)		SHI	
	e P	02 15		MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Feb. 15	iP	16 41 10.1	D	SHI	
Feb. 15	P	22 35 24		SHI	
Feb. 15	e P	22 54 53		TAB	
Feb. 16	e P	03 20 11		SHI	
Feb. 16	e P	03 23 53		TAB	
Feb. 16	USCGS: 03 18 27.2, 17.7S, 167.9E, h= 31 km. Mag.= 6½ (PAS), 6½ (BRK), 6½ - 6¾ (PAL), 6.5 (CGS), New Hebrides Islands, Felt at Loganville, Norsup and Port Vila.				
	e P,	03 37 07		MSH	13320
	iP,	11.3	C	SHI	13580
	e P	12 20 20		TEH	13650
	eSKS	44 27			
	e P,	37 25		KER	14370
	iP	28.0		TAB	14540
Feb. 16	e P	04 43 (33)		SHI	
Feb. 16	P	11 07 57.3	C	SHI	
Feb. 16	P	13 57 42.8	D	SHI	
Feb. 16	e P	16 00 26		MSH	
Feb. 16	e P	16 02 44		SHI	
Feb. 16	e P	16 43 20		KER	
Feb. 16	e P	16 45 31		TAB	
Feb. 16	e P	17 40 21		MSH	
Feb. 16	e P	20 09 11		TAB	
Feb. 17	e P	00 55 04		SHI	
Feb. 17	eiP	02 01 26.2		SHI	
Feb. 17	USCGS: 11 48 00.8, 32.2S, 78.9E, h= 33 km. Mag.= 6¼ (PAS), 6.2 - 6.6 (BRK), 6½ (PAL), 6.4 (CGS). Mid-Indian Rise.				
	P	11 58 47.6		SHI	7370
	e P	59 15		MSH	7850
	eiP	25.0	D	TEH	8040
	eiS	12 08 51.5			
	iP	11 59 28.2		KER	8090
	iP	48.8	D	TAB	8480
	e S	12 09 35.0			

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Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Feb. 17	USCGS:	12 43	01.1, 32.2S, 79.0E, h= 33 Km.		
	Mag.= 5.7 (CGS).		Amsterdam, Naturaliste Ridge.		
	e P	12 53 47		SHI	7330
	eiP	54 25.0	D	TEH	8030
	e P	51		TAB	8520
Feb. 17	e P	13 15 19		KER	
	i(S)	49.3			
Feb. 17	P	13 16 05		TEH	
	e(S)	17 16			
	P	16 (06)		SHI	
	e P	32		TAB	
Feb. 17	e P	13 36 18		SHI	
Feb. 17	e P	15 01 25		TEH	
	eiS	31.5			
Feb. 17	e P	18 15 16		MSH	
Feb. 17	iP	18 23 02.1	C	SHI	
Feb. 17	e P	18 31 03		TAB	
Feb. 17	e(P)	18 32 22		MSH	
Feb. 17	P	20 55 59.0	C	SHI	
	iP	56 53.0	C	TAB	
Feb. 18	F	00 39 08.8	C	SHI	
	eiP	09.2		TAB	
Feb. 18	e P	03 53 12		SHI	
Feb. 18	e(P)	07 09 46		MSH	
	eiP	10 16.4		SHI	
	e P	49		TAB	
Feb. 18	e(P)	07 38 14		SHI	
Feb. 18	e P	08 15 58		MSH	
Feb. 18	P	12 46 59.5		SHI	
Feb. 18	P	17 37 27		SHI	
Feb. 18	eiP	19 12 47.5		MSH	
	iP	13 42.8	D	SHI	
	e P	(45)		KER	

FEBRUARY 1966

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Feb. 18	e P	22 49 16		MSH	
Feb. 19	e P	01 00 35		MSH	
Feb. 19	P	01 27 33.6		SHI	
Feb. 19	e P	03 38 (14)		SHI	
Feb. 19	e P	04 00 (04)		KER	
Feb. 19	e(P)	09 46 26		MSH	
Feb. 19	e P	12 03 39		TEH	
	iS	54.0			
Feb. 19	e P	12 20 06		TEH	
	eiS	14.5			
Feb. 19	P	12 21 51		TAB	
Feb. 19	USCGS:	12 50	42.1, 35.3N, 70.9E, h= 59 km.		
	Mag.= 5.1 (CGS),		Hindu-Kush Region, Felt at		
	Feshawar.				
	eiP	12 52 56.0		MSH	1030
	e S	55 39.5			
	e P	54 28		TEH	1810
	e S	57 28.5			
	P	54 32.0		SHI	1840
	e S	57 36			
	e P	55 (09)		KER	2190
	e P	13		TAB	2230
	eiS	58 52			
Feb. 19	e P	18 11 16		TEH	
	eiS	34.5			
Feb. 19	e(P)	21 41 02		MSH	
Feb. 19	P	22 29 34.0		SHI	
Feb. 20	iP	00 08 53.7		TAB	
Feb. 20	P	06 09 55.5		SHI	
Feb. 20	eiP	10 28 04		SHI	
Feb. 20	e P	17 04 11		MSH	
	eiS	19.5			
Feb. 20	e P	18 27 36		KER	
	P	37.5	C	SHI	
		(32)			

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Date Phase Time (GMT) I.M. Sta. Dist.(Km.)

Feb.20	P	20 06 29.0		SHI	
Feb.20	P	21 20 27.5		SHI	
Feb.20	e P	22 41 01		SHI	
Feb.21	USCGS: 00 22 29.7, 55.6S, 26.9W, h= 33 km. Mag.= 5 $\frac{1}{4}$ - 6 (PAL), 5.9 (CGS). South Sandwich Islands Region.				
	P	00 40 54.5		SHI	12040
	e P	41 05		TEH	12640
	eSKS	47 46			
	eSKKS	48 57			
	e(sPS)	51 52			
Feb.21	e(P)	00 52 06		MSH	
Feb.21	P	03 58 14.2		SHI	
Feb.21	P	09 41 39		SHI	
Feb.21	USCGS: 13 18 47.0, 26.3N, 125.7E, h= 103 km. Mag.= 5.6 (CGS). Northeast of Taiwan.				
	eiP	13 28 21.5		MSH	6270
	e P	29 05		TEH	7000
	P	09.1	D	SHI	7050
	e P	28		KER	7370
	e P	37		TAB	7550
Feb.21	P	14 26 18.2		SHI	
Feb.21	P	16 56 29.2		SHI	
Feb.21	P	18 07 07.0		SHI	
Feb.21	eiP	18 54 16.7		TAB	
Feb.21	P	23 25 03.5		SHI	
Feb.22	P	01 00 14.0		SHI	
Feb.22	P	02 49 28.2		SHI	
Feb.22	USCGS: 05 02 37.2, 5.4S, 150.5E, h= 28 km. Mag.= 6 $\frac{1}{4}$ (PAS), 6 $\frac{1}{4}$ - 7 (BRK), 6 $\frac{1}{4}$ - 7 (PAL), 6.2 (CGS). New Britain Region, Felt Widely.				
	iP	05 15 58.0	C	MSH	10550
	e P	16 21		SHI	11110
	e P	28		TEH	11300
	eSKS	27 04			
	iP	16 44.2	C	TAB	11680

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Date Phase Time (GMT) I.M. Sta. Dist.(Km.)

Feb.22	iP	05 21 05.8	C	TAB	
	e P	20 (23)		KER	
Feb.22	P	18 34 34.6		SHI	
Feb.22	P	20 58 22.4		SHI	
Feb.22	P	22 17 03.5		SHI	
Feb.23	e P	13 59 03		TEH	
Feb.23	e P	15 56 26		MSH	
	eiP	57 53.7		TAB	
Feb.23	P	17 42 49.1		SHI	
Feb.23	e P	21 05 30		SHI	
Feb.23	e P	22 01 (17)		KER	
Feb.23	iP	22 45 25.3	C	SHI	
Feb.23	e P	23 57 09		SHI	
Feb.24	e P	00 11 40		SHI	
Feb.24	eiP	00 23 25.2		SHI	
	eiP	00 24 11.2	D	TAB	
Feb.24	e P	01 48 39		SHI	
Feb.24	USCGS: 05 40 06.8, 52.6N, 172.5E, h= 65 km. Mag.= 5.1 (CGS). Near Island, Aleutian Islands.				
	e P	05 52 02		TEH	8700
	P	26		SHI	9200
Feb.24	e P	08 26 28		TEH	
Feb.24	P	12 06 37.8		SHI	
Feb.24	e P	17 14 11		TAB	
	iS	21.0			
Feb.24	USCGS: 19 53 15.4, 60.1N, 147.7W, h= 25 km. Mag.= 5.0 (CGS). Southern Alaska.				
	eiP	20 05 33.4	D	TAB	9100
	e P	42		TEH	9290
	P	06 09.2		SHI	9900
Feb.24	e P	20 22 (25)		SHI	

FEBRUARY 1966

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Feb.24	e P P	21 33 31 47.7		TAB SHI	
Feb.24	e P e P	23 29 38 53		TAB TEH	
Feb.25	e P e P	03 04 55 57		TAB KER	
Feb.25	e P	05 59 25		MSH	
Feb.25	e P	11 27 35		MSH	
Feb.25	e P	22 25 10		TAB	
Feb.25	USCGS: Mag.= 5.5 (CGS).	22 50 47.1, 15.1S, 173.2W, h= 33 km. Tonga Islands.			
	P ₁	23 10 07.7		SHI	15260
	e P ₁	(09)		KER	15330
	e P	10		TEH	15440
	e?	12 47			
	eSKP	13 41			
	eSKLS	19 53			
Feb.26	USCGS: Mag.= 5.3 (CGS).	00 33 50.1, 52.4N, 173.6E, h= 51 km. Near Islands, Aleutian Islands.			
	iP	00 45 26.5		MSH	8500
	eiP	50.5	C	TAB	8780
	iP	50.5	C	TEH	8780
	ePP	46 00.5			
	ePP	48 48			
	e P	46 06		KER	9100
	iP	13.1	C	SHI	9260
Feb.26	e P	01 31 05		MSH	
Feb.26	e P eiS	02 48 33 45.5		KER	
Feb.26	eiP	02 52 26.0		TAB	
Feb.26	P	05 18 37.5		SHI	
Feb.26	P	07 13 28.8		SHI	
Feb.26	P	11 59 52.8		SHI	
Feb.26	e P	16 26 29		SHI	

FEBRUARY 1966

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Feb.26	USCGS: Mag.= 4.7 (CGS).	20 50 37.2, 30.5N, 50.8E, h= 60 km. Iran.			
	iP	20 51 05.8	C	SHI	200
	e P	(54)		KER	590
	iP ₁	55.0	C	TEH	600
	e P ₁	52 17			
	e S ₂	53 23			
	eiP	52 52		MSH	1040
	e P	53 03		TAB	1130
Feb.27	e P	03 45 35		TAB	
Feb.27	USCGS: Mag.= 5.2 (CGS).	16 30 17.9, 52.1N, 175.1E, h= 52 km. Rat Islands, Aleutian Islands.			
	e P	16 42 23		TEH	8890
	eiP	23.2		TAB	8890
	P	45.9	C	SHI	9370
Feb.27	P	19 51 57.3		SHI	
Feb.27	eiP	21 02 43.5		SHI	
Feb.27	e P	22 39 50		TAB	
Feb.27	e P	23 03 (56)		KER	
Feb.28	P	02 01 44.5	D	SHI	
Feb.28	USCGS: Mag.= 5.5 (CGS).	02 02 13.6, 43.7N, 139.6E, h= 225 km. Eastern Sea of Japan.			
	eiP	02 11 54.5		MSH	6590
	e P	12 31	D	TEH	7160
	ePP	14 57			
	e S	20 57			
	e(sS)	22 05			
	iP	12 45.4	D	TAB	7450
	iP	51.2	D	SHI	7560
	eiP	55.5		KER	7630
Feb.28	P	02 38 59.3		SHI	
Feb.28	USCGS: Mag.= 5.5 (CGS).	13 35 39.0, 29.2N, 130.1E, h= 33 km. Rukyu Islands.			
	e P	13 46 19		TEH	7240
	P	26.8		SHI	7370
	eiP	39.8 (D)		TAB	7600
	e P	53		KER	7840
Feb.28	e P	19 13 45		SHI	

FEBRUARY 1966

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Feb.28	e P	20 05 10		MSH	
	e S	06 58.5			
	P	56.3		SHI	
Feb.28	USCGS: 21 38 52.8, 26.0S, 70.4W, h= 67 km. Mag.= 4 $\frac{1}{4}$ - 5 (PAL), 5.7 (CGS). Near Coast of Northern Chile, Felt at Copiapo.				
	eiP	21 57 49.5		TAB	14070
	eiP	55		SHI	14450
	e P	57		TEH	14560
	epP	58 16			
	eSKP	22 01 13			
Feb.28	e P	22 00 49		MSH	
	iP	01 14		SHI	

MARCH 1966

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
March 1	e P	07 13 18		SHI	
March 1	eiP	21 45 05.0		MSH	
	eiS	35.5			
March 1	e P	23 22 17		TEH	
	e S	34			
March 1	e P	23 57 19		TAB	
March 2	P	00 25 44		SHI	
March 2	USCGS: 02 37 02.3, 43.ON, 45.8E, h= 24 km. Mag.= 5.3 (CGS). Eastern Caucasus slight damage near Grozny.				
	eiP	02 38 20.0	C	TAB	
	iP	39 06.5	C	TEH	930
	e S	40 42			
	e P	39 13		KER	
	eiP	40 00.0		MSH	
	iP	26.4	C	SHI	
March 2	iP	02 46 12.0		TAB	
March 2	e P	02 59 02		TAB	
March 2	eiP	03 02 57.5		TAB	
	e P	05 16		MSH	
March 2	e P	05 49 18		TEH	
	eiS	35.5			
March 2	e P	07 10 05		TEH	
March 2	e P	07 19 21		KER	
March 2	P	07 37 05.0		SHI	
	e(S)	47 09			
March 2	USCGS: 11 51 20.7, 52.4N, 172.3E, h= 40 km. Mag.= 5.3 (CGS). Near Islands, Aleutian Islands.				
	e P	12 03 20		TEH	8730
	ePP	06 16			
	e S	13 06			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
March 2	e P	12 36 21		MSH	
March 2	P	13 14 52.0		SHI	
March 2	e P	15 16 35		TAB	
March 2	P	17 45 16.0		SHI	
March 2	e P	20 10 33		TAB	
March 2	e P	23 17 51		TAB	
March 3	e P	03 05 43		TEH	
March 3	USCGS: 03 25 28.0, 48.3N, 154.3E, h= 45 km. Mag.= 5½ (FAL), 5.9 (CGS). Kurile Islands.				
	eiP	03 36 17.0		MSH	
	e P	48		TEH	8000
	e S	46 07			
	ePS	47		TAB	
	e P	36 56		KER	
	e P	37 08		SHI	
	P	10.5	C		
March 3	e P	04 04 25		MSH	
March 3	e P	04 11 (45)		TAB	
March 3	P	07 23 00.5		SHI	
March 3	eiP	14 28 53.0		SHI	
March 3	e P	15 41 17		SHI	
March 3	e P	16 07 45		SHI	
March 3	eiP	23 36 46.7		TAB	
	eiS	37 34.0		KER	
	e P	33		TEH	
	e P	38 13			
	e S	39 53		SHI	
	e P	(04)			
March 4	e P	00 13 16		TAB	
	e P	14 01		TEH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
March 4	e P	05 31 42		SHI	
March 4	P	06 04 41.0		SHI	
March 4	eiP	07 46 21.5		TAB	
	e S	49 26			
March 4	e P	08 15 40		SHI	
March 4	e P	10 50 05		TAB	
	eiS	58.5			
March 4	e P	13 04 15		MSH	
March 4	e P	18 28 40		SHI	
March 4	e P	21 08 45		TAB	
March 4	P	22 31 57.0		SHI	
March 4	USCGS: 23 58 55.9, 38.8S, 177.9E, h= 27 km. Mag.= 6.1 (CGS). North Island, New Zealand.				
March 5	e P	00 18 07		MSH	
	e P	12		SHI	
	e P	21		TEH	15560
	ePP	21 16			
	eSKP	49			
	eiP	22.5		TAB	
	e P	23	C	KER	
March 5	P	02 55 33.5		SHI	
	P	56 08		TAB	
March 5	e P	09 03 42		TAB	
March 5	P	17 37 04.5		MSH	
March 5	P	18 52 52.0		SHI	
March 5	e P	20 12 58		TEH	
	e S	13 06			
		(40)			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
March 5	USCGS:	20 54	45.7, 0.0	18.0W, h= 33 km.	
	Mag.= 5.2 (CGS).		North of Ascension Island.		
	e P	21 05	54	KER	
	e P		58	TAB	
	P	06	14.0	SHI	
	e P		16	TEH	8160
	e P		53	MSH	
March 5	eiP	21 23	53.5	MSH	
	e(S)	24	35		
	e P		06	TEH	
	e P	25	00	SHI	
March 5	e P	22 24	45	SHI	
March 5	e P	22 59	02	SHI	
March 5	e P	23 08	48	SHI	
	eiP		57.0	TAB	
March 6	e P	00 08	38	TEH	
	e S		09 07		
March 6	P	00 20	45.0	SHI	
March 6	e P	00 23	03	TAB	
March 6	USCGS:	02 10	56.8, 31.6N, 80.5E, h= 35 km.		
	Mag.= 5.4 (CGS).		Tibet.		
	eiP	02 15	07.0	MSH	
	iP		16 11.2	SHI	
	e P		16	TEH	2740
	eiS	20	37		
	eiP	16	53.5	TAB	
March 6	USCGS:	02 15	56.7, 31.6N, 80.5E		
	Mag.= 6.1 (CGS), 6½ (PAS), 6.5 -7(BRK), 6½ - 6¾ (PAL).		Tibet.		
	iP	02 20	05.5	C	MSH
	ei(P)	21	09.0		SHI
	eiP		14.5	D	TEH
	eiS	25	35		
	iP	21	52.6	D	TAB
	iS	26	45.0		

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
March 6	e P	02 54	29	SHI	
March 6	e P	03 46	33	TAB	
March 6	e P	11 40	33	TAB	
March 6	e P	12 09	16	TAB	
March 6	e P	12 37	07	MSH	
March 6	e P	17 47	01	KER	
	iS		25.3		
	e P		17	TAB	
	iS		49.0		
March 6	e P	18 14	(17)	SHI	
March 6	e P	18 18	30	TAB	
March 6	e P	18 21	(07)	SHI	
	e P		19	TAB	
March 6	e P	19 06	42	MSH	
March 6	e P	19 14	(45)	SHI	
March 6	e P	20 10	30	TAB	
	e S		43		
March 6	iP	20 37	36.5	C	TAB
	iS		43.2		
March 7	USCGS:	01 16	05.8, 39.1N, 41.7E, h= 13 km.		
	Mag.= 5.5 (CGS).		Turkey. 15 dead, many injured, 1000 homes destroyed at Bayer, Hinis and varto.		
	iP	01 17	09.2	C	TAB
	eiP		45.5		KER
	e P	18 16			TEH
	eiS	19 56			
	P		(12)		SHI
	iP		35.0	C	MSH
	ei(S)	25 02.0			
March 7	e P	01 30	19	TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
March 7	e P	02 26 25		TAB	
March 7	eiP e P	02 33 40.0 34 31		TAB KER	
March 7	eiP	02 42 46.0		TAB	
March 7	e P	02 51 56		TAB	
March 7	e P	03 14 07		TAB	
March 7	iP i(S)	03 42 21.0 43 24.0		TAB	
March 7	e P	06 21 39		SHI	
March 7	P	07 27 06		SHI	
March 7	e P	11 45 39		TAB	
March 7	e P e S	14 05 50 57		TEH	
March 7	e P i(S) e P e P e P	17 13 19 14 35.0 08 55 15 22		TAB KER MSH SHI	
March 7	P	20 51 09.0		SHI	
March 7	P	21 13 00.5		SHI	
March 7	USCGS: 21 29 17.0, 37.2N, 114.8E, h= 33 km. Mag.= 6¼ (PAS), 6.4 (BRK), 7 - 7¼ (PAL), 5.8 (CGS). North Eastern China, moderate to heavy damage and injured in Hopeh Province, Felt widely.				
	eiP	21 37 25.0		MSH	
	e P	38 13		TEH	5600
	eiPP	40 07.5			
	epPP	16			
	e S	45 29			
	e P	38 15		SHI	
	eiP	35.5	C	TAB	
	iS	46 08.0			
	eiP	38 41		KER	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
March 7	e P	22 28 51		SHI	
March 7	iP eiP	22 43 38.5 44 13.0	D	SHI TAB	
March 8	USCGS: 01 13 42.3, 13.9S, 166.6E, h= 37 km. Mag.= 6 (PAS), 5.6 - 6.3 (BRK), 6¼ - 6½ (PAL), 5.8 (CGS). New Hebrides Islands.				
	e P eiP	01 32 27 35.0	C	TEH TAB	13220
March 8	e P	02 13 27		SHI	
March 8	P e P e P	02 51 51.0 53 10 54 (01)		SHI TAB KER	
March 8	iP e S e P e(S) c P	03 30 18.0 36 31 (33) 33 (18) 31 (52)	C	MSH TEH SHI	
March 8	USCGS: 05 41 04.5, 1.9N, 126.4E, h= 33 km. Mag.= 4.7 - 5.2 (BRK), 5.9(CGS). Molucca Passage.				
	eiP eiP e P e S eSKS e P iP iS	05 52 17.0 44 54 06 02 25 03 03 05 53 (11) 20.0 06 03 28.0	C	MSH SHI TEH KER TAB	8520
March 8	e P e P	06 11 45 12 20		SHI TAB	
March 8	P	07 45 53		SHI	
March 8	e P	09 22 35		TAB	
March 8	P	12 30 45.0		SHI	
March 8	eiP	13 02 12.5		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
March 8	e P	18 50 05		SHI	
March 8	USCGS:	18 51	47.2, 38.9N, 21.3E, h= 48 km.		
			mag.= 5.1 (CGS). Greece.		
	e P	18 56 15		TAB	
	eiP	29		KER	
	e P	59		TEH	2660
	P	57 28.0	C	SHI	
March 8	iP	19 53 45.0		TAB	
March 8	e P	20 12 19		TAB	
March 8	USCGS:	20 46	12.0, 20.0S, 68.9W, h= 122 km.		
			Mag.= 5.9 (CGS). Chile - Bolivia Border Region, Felt at Capiapo and Iquique.		
	e P,	21 04 59		TEH	13900
	epP	05 27			
	ePP,	06 45			
	e P;	05 (01)		KER	
	eiP,	03		SHI	
	eiP,	25.5		TAB	
	eiP	07 36.5		MSH	
March 8	P	23 38 56.5		SHI	
March 9	e P	01 09 53		SHI	
March 9	e P	02 06 05		TEH	
	e P	12		SHI	
March 9	e P	14 06 14		TEH	
March 9	e P	14 57 25		TAB	
March 9	e P	16 13 06		TAB	
March 9	e P	21 04 17		TEH	
	e P	28		TAB	
March 9	e(P)	21 57 55		SHI	
March 9	e P	22 10 (17)		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
March 9	USCGS:	23 12 52,	7.4S, 108.4E, h= 148 km.		
			Mag.= 5.6 (CGS). Java.		
	eiP	23 24 07.5		MSH	
	P	16.2		SHI	
	e S	32 46			
	e P	24 38		TEH	7580
	e S	33 32			
	iP	25 07.5		TAB	
March 10	e P	00 07 20		TEH	
	e S	30			
March 10	e P	00 44 17		SHI	
March 10	e P	01 03 16		TAB	
March 10	e P	01 44 (18)		SHI	
March 10	e P	04 08 07		SHI	
	e P	09 22		TEH	
	e(S)	13 41			
	e P	10 13		TAB	
March 10	USCGS:	04 26 42.0,	32.2N, 137.5E, h= 382 km.		
			Mag.= 5.5 - 5.9 (BRK), 5.6 (CGS). South of Honshu, Japan.		
	iP	04 36 09.0	D	MSH	
	eiP	48.5		TEH	7670
	e S	45 25			
	eSKS	46 08			
	iP	36 58.7	D	SHI	
	iP	37 05.0	D	TAB	
March 10	iP	07 04 58.2		SHI	
March 10	eiP	11 20 13.5		TAB	
	e P	21 12		TEH	
	e(S)	23 09			
	e P	22 12		SHI	
March 10	e P	12 53 30		SHI	
March 10	eiP	13 47 51.0		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
March 10	e P e S	20 33 36 43		TEH	
March 10	e P	23 06 53		TAB	
March 11	e P	00 42 06		TAB	
March 11	e P	02 07 (29)		SHI	
March 11	P	04 23 59.5		SHI	
March 11	e P	04 26 20		MSH	
March 11	e P	06 29 (55)		SHI	
March 11	e P	06 46 20		MSH	
March 11	USCGS:	20 01 43.8, 34.4N, 24.4E, h= 22 km.			
		Mag.= 5.1 (CGS). Crete.			
	eiP	20 06 00.5		TAB	
	P	42.5		TEH	2490
	e S	10 41			
	P	07 03.5		SHI	
March 11	eiP	20 24 58.5		SHI	
March 11	iP	20 30 22.0	D	SHI	
March 11	P	23 28 00.2	C	SHI	
March 11	P	23 48 59.5		SHI	
March 12	P	01 24 45.0		SHI	
	e P	53		TAB	
March 12	P	01 28 04		SHI	
March 12	e P	10 35 30		MSH	
March 12	e P e S	14 08 28 34		TEH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
March 12	USCGS:	16 31 21.8, 24.1N, 122.6E, h= 63 km.			
		Mag.= 7½ - 7¼ (PAS), 7 - 7½ (BRK), 7¼ - 8 (PAL), 6.7 (CGS). Taiwan Region, 7 killed and several injured and major damage on Taiwan and Okinawa.			
	iP	16 40 50.0	C	MSH	
	eiP	41 35.5	C	TEH	6850
	i!?	41.9			
	epP	56.5			
	iP	42 00.3	C	TAB	
March 12	USCGS:	17 59 39, 24.4N, 122.8E, h= 83 km.			
		Mag.= 5.7 (CGS). Taiwan Region.			
	iP	18 09 04.5	C	MSH	
	e P	48		TEH	6850
	e P	10 13		TAB	
March 12	eiP	23 42 37.5		MSH	
March 13	e P	01 59 32		MSH	
March 13	e P	02 32 37		TAB	
March 13	e P	03 50 13		TAB	
March 13	e P	07 39 49		MSH	
March 13	e P	08 13 00		SHI	
March 13	iP	13 21 10.5	C	TEH	
	ciS	14.5			
March 13	e P	14 29 26		TEH	
	e S	45			
March 13	e P	15 03 16		MSH	
	P	04 06.0		SHI	
March 13	eiP	17 33 02.0		SHI	
	i(S)	30.5			
March 13	e P	18 18 32		SHI	
March 13	P	18 59 55.2		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
March 13	e P	19 12 11		SHI	
March 13	F	19 41 36.5		SHI	
March 14	e P	14 13 07		TAB	
	e P	(23)		KER	
March 14	eiP	15 59 11.5		MSH	
	eiS	42.0			
March 15	e P	05 51 22		MSH	
March 15	e P	06 26 20		MSH	
March 15	e P	09 20 32		MSH	
March 15	USCGS: 10 38 29, 34.4N, 46.0E, h= 33 km. Mag.= 4.2 (CGS). Western Iran.				
	e P	10 39 40		TEH	525
	e P ¹	53			
	e S ²	40 57			
March 15	P	11 24 16.5		SHI	
March 15	e P	19 27 42		SHI	
March 15	iP	23 41 18.0	C	MSH	
	P	42 05.5		SHI	
	e P	28		TAB	
	e P	(28)		KER	
March 16	e P	00 12 53		SHI	
	e P	13 37		TAB	
	e P	(39)		KER	
March 16	eiP	00 25 02.5	(D)	TAB	
March 16	iP	10 38 43.8		KER	
	iS	59.4			
	e P	39 28		TAB	
	i(S)	40 23.0		SHI	
	eiP	15.5			
March 16	e P	10 44 40		MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
March 16	e P	11 48 34		TAB	
March 16	e P	14 42 44		TAB	
March 16	P	17 08 17.5		SHI	
March 16	e P	17 46 22		MSH	
March 16	P	19 51 46.5		SHI	
March 16	e P	20 48 45		MSH	
	P	49 20.5	D	SHI	
	e(S)	58 18			
	eiP	49 50.5		KER	
	eiP	55.0		TAB	
	i(S)	59 25.2			
March 16	e P	22 08 51		TAB	
March 17	P	03 05 27.0		SHI	
March 17	eiP	04 09 01.0		SHI	
March 17	P	04 46 41.0		SHI	
March 17	eiP	05 50 22.5		SHI	
March 17	e P	08 49 35		SHI	
March 17	USCGS: 15 50 32.2, 21.1S, 179.2W, h= 626 km. Mag.= 6.4 (PAS), 6.2 (CGS). Fiji Islands Region.				
	e P	16 08 23		SHI	
	iP	27.0		MSH	
	e P	(37)		KER	
	eiP	40.0		TEH	14780
	iPP	11 11.5			
March 17	iP	16 11 21.8		KER	
March 17	e P	16 20 26		TEH	
March 17	eiP	16 44 33		SHI	
March 17	e P	19 49 47		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
March 17	e P	22 51 (20)		KER	
March 17	e P e S	23 48 55 49 12		TEH	
March 18	e(P)	01 22 44		SHI	
March 18	e(P)	06 21 29		SHI	
March 18	P	17 16 38.0		SHI	
March 18	P	18 24 02.5		SHI	
March 18	P	18 28 23.5		SHI	
March 18	e P	19 20 24		SHI	
March 18	P	21 05 07.0		SHI	
March 18	e P	22 08 16		SHI	
March 18	P	22 15 30.0		SHI	
March 19	e P	00 22 21		SHI	
March 19	eiP	08 23 09.0		SHI	
March 19	e P	15 04 33		SHI	
March 19	e P	15 50 22		SHI	
March 19	e P	17 08 44		SHI	
March 19	e(P)	17 25 24		MSH	
March 19	USCGS: 17 16 40.9, 52.7S, 19.9E, h= 33 km. Mag.= 5.4 (CGS). Southeast of Africa.				
	eiP	17 29 23.5		SHI	
	e P	41		KER	
	eiP	50.5		TEH	10280

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
March 20	USCGS: 01 42 49.9, 0.6N, 30.2E, h= 36 km. Mag.= 6 $\frac{1}{4}$ - 7 (PAS), 6.4 - 6.6 (BRK), 7 - 7 $\frac{1}{4}$ (PAL), 6.1 (CGS). Uganda. Morethan 100 dead, extensive damage to building at Portal and nearby areas. Felt in Western Uganda.				
	eiP	01 49 50.0		SHI	
	eiP	50 (00)		KER	
	iP	26.5	D	TEH	4480
	eS	56 41			
	iP	51 04.0	D	MSH	
March 20	P	02 46 41.0		SHI	
March 20	P	03 29 47.0		SHI	
March 20	BCIS: 05 50 00, 50.ON, 78.OE. Kasakstan Region de Semipalatinsk, Froablement explosion. Souterraine (d'apres Uppsala). M= 6.4 (Uppsala), M= 6.2 (Moxa), M= 5.8 (Bensberg) M _c = 5.1 (Moxa).				
	eiP	05 54 24.0		MSH	
	e P	55 15		TEH	2640
	iP	18	C	TEH	
	e P	(49)		KER	
March 20	e P	07 20 (55)		SHI	
March 20	P	08 06 58.5		SHI	
March 20	P	09 02 39.5	C	SHI	
March 20	e(P)	09 23 44		SHI	
	e(P)	25 32		MSH	
March 20	eiP	10 11 00		SHI	
March 20	P	11 33 04.5		SHI	
March 20	e P	11 42 44		SHI	
March 20	P	17 09 23.5		SHI	
March 20	e P	17 37 37		MSH	
	e P	38 18		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
March 20	eiP	17 54 03.5		KER	
March 20	e P	19 11 31		SHI	
March 20	e P	20 24 29		MSH	
March 20	e P	20 28 57		KER	
March 20	P	22 08 49.0		SHI	
	e P	10 13		KER	
March 21	e P	00 12 30		MSH	
March 21	eiP	01 37 42		SHI	
	e P	53		KER	
March 21	e(P)	01 57 11		MSH	
March 21	P	02 17 50		SHI	
March 21	e P	06 39 52		SHI	
March 21	P	09 30 54		SHI	
	e P	31 04		KER	
March 21	e P	14 24 26		SHI	
March 21	e P	16 12 56		MSH	
	P	13 19.5		SHI	
March 21	e P	17 52 40		SHI	
March 21	P	18 10 24.0		SHI	
March 21	eiP	19 25 36.5		MSH	
March 21	P	19 55 33.0		SHI	
March 21	P	20 01 40.0		SHI	
March 21	P	20 47 53.0		SHI	
March 21	eiP	22 45 34.5		MSH	
March 21	e P	23 28 19		MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
March 22	USCGS: 08 11 33.7, 37.5N, 115.0E, h= 11 km. Mag.= 5.8 - 6.2 (BRK), 6.0 (CGS). Northeastern China.				
	e P	08 19 44		MSH	
	e P	20 32		TEH	5600
	ePP	22 26			
	e S	27 50			
	iP	20 45.0	D	SHI	
	e P	21 01		KER	
March 22	USCGS: 08 19 33.8, 37.5N, 115.1E, h= 33 km. Mag.= 6¼ - 7 (PAS), 6.5 - 6.8 (BRK), 7¼ - 7½ (PAL), 6.0 (CGS). Northeastern China, Several Casualties and Major Property damage.				
	e P	08 27 40		MSH	
	e P	28 32		TEH	5630
	ePP	30 30			
	e S	35 45			
	eiP	28 40.0		SHI	
	eiP	58.0		KER	
March 22	e P	09 10 58		SHI	
March 22	P	09 55 56.0		SHI	
March 22	P	11 17 45.0		SHI	
March 22	e P	12 17 11		SHI	
March 22	e P	22 14 13		SHI	
March 22	e P	22 31 14		SHI	
March 23	USCGS: 00 04 34.7, 23.8N, 122.8E, h= 51 km. Mag.= 6 (PAS), 5.5 - 5.9 (BRK), 6 - 6¼ (PAL), 6.3 (CGS). Taiwan Region.				
	iP	14 05.5	C	MSH	
	iP	52.0	C	TEH	6890
	eipP	15 05			
	ePP	17 10			
	S	23 15.0			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
	P	00 14 53.0	C	SHI	
	e(S)	23 14			
	e P	15 16		KER	
March 23	e P	00 43 55		SHI	
March 23	e P	04 30 53		SHI	
March 23	P	06 12 51.5		SHI	
	e P	13 (08)		KER	
	e P	13		TEH	
	e S	14 24			
March 23	P	12 35 51.0	D	SHI	
March 23	eiP	17 37 07.5		SHI	
	e P	26		KER	
March 23	P	18 24 12.5		SHI	
March 23	e P	18 37 (00)		KER	
March 23	P	22 01 35		SHI	
March 24	e P	01 10 (27)		SHI	
March 24	e P	02 06 43		TEH	
March 24	e P	02 28 (55)		KER	
March 24	(P)	04 27 09.5		SHI	
March 24	eiP	08 45 06.0		SHI	
March 24	iP	17 34 31.0	D	SHI	
March 24	e P	19 18 59		MSH	
March 24	P	20 13 37.0		SHI	
	e(S)	22 40			
March 24	eiP	23 42 22.0		MSH	
March 25	P	09 09 33		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
March 25	e P	11 29 46		SHI	
March 25	P	13 07 38.5		SHI	
March 25	eiP	16 33 30.5		MSH	
	eiS	53.0			
March 25	eiP	20 00 54		SHI	
March 25	P	23 22 08.0		SHI	
March 25	iP	23 24 20.3	C	SHI	
March 26	e P	00 39 58		SHI	
March 26	P	09 51 44.0		SHI	
March 26	P	11 30 05.0		TEH	
	S	30.5			
	e P	12		KER	
	iS	44.5			
	e P	30		TAB	
March 26	eiP	14 19 28.5		SHI	
	eiP	56.5		TAB	
March 26	eiP	15 23 40		SHI	
March 26	USCGS: 15 19 03.2, 37.6N, 115.2E, h= 33 km. Mag. 5.4 - 5.6 (BRK), 6 - 6¼ (PAL), 5.5 (CGS). Northeastern China.				
	eiP	15 27 09.0		MSH	
	e P	59		TEH	5600
	e S	35 11			
	P	28 10.0		SHI	
	e(S)	35 34			
	e P	28 19	D	TAB	
	ei(S)	35 57.0			
March 26	e P	18 22 28		MSH	
	P	23 29.0		SHI	
	eiP	39.6		TAB	
	eiP	45.5	D	KER	
March 26	P	18 47 29.0		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
March 26	P	20 23 14.0		SHI	
March 27	iP	00 16 14.6	C	SHI	
March 27	USCGS: 01 40 59, 14.5N, 56.7E, h= 33 km. Arabian Sea.				
	eiP	01 44 38.0		SHI	
	P	45 52.0		TEH	2440
	e(S)	50 03			
	e P	45 33		KER	
	e P	46 27		TAB	
	e(S)	56 50			
March 27	P	01 54 25.0		SHI	
March 27	P	02 11 26.0		SHI	
March 27	P	02 22 35.0	C	SHI	
March 27	e P	03 42 07		SHI	
March 27	e P	07 05 09		SHI	
March 27	P	14 35 05		SHI	
March 27	e P	14 49 07		MSH	
March 27	P	16 20 22.0		SHI	
March 27	e P	18 13 44		MSH	
March 27	e P	18 39 22		TAB	
March 27	P	19 12 13		SHI	
March 27	e P	20 09 34		SHI	
March 27	e P	20 13 21		SHI	
March 27	e P	21 06 25		SHI	
March 27	e P	22 28 53		SHI	
March 27	e P	22 55 07		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
March 28	e P	00 04 05		SHI	
March 28	e P	01 20 (30)		SHI	
March 28	e P	03 35 36		SHI	
March 28	P	04 54 59.0		SHI	
March 28	e P	15 48 26		SHI	
March 28	e P	15 51 56		MSH	
March 28	e P	15 58 16		SHI	
March 28	P	16 15 04.0		SHI	
March 28	P	18 01 52.5		SHI	
March 28	e P	18 05 21		MSH	
March 28	e P	18 15 38		SHI	
March 29	e P	00 13 45		SHI	
March 29	e P	00 47 24		TAB	
	i(S)	53.6			
March 29	USCGS: 02 17 38.5, 23.7N, 142.1E, h= 79 km. Mag.= 5½ (PAL), 5.9 (CGS). Volcans Island Region.				
	eiP	02 28 49.0		MSH	
	e P	29 27		TEH	8630
	e S	39 05			
	P	29 32		SHI	
	eiP	44.0	C	TAB	
	i(S)	39 36.0			
	e P	29 (50)		KER	
March 29	USCGS: 06 12 00.4, 37.4N, 114.9E, h= 34 km. Mag.= 5.5 (CGS). Northeastern China.				
	e P	06 20 55		TEH	5580
	e S	28 12			
	e P	21 16	C	TAB	
	e(S)	28 53			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
March 29	e P iS	16 25 45 26 03.3		TAB	
March 29	e P iS	16 53 07 32.4		TAB	
March 29	e P iS	19 24 11 34.4		TAB	
March 29	P	23 37 20.0		SHI	
March 30	USCGS: 04 18 38.1, 21.8N, 62.2E, h= 33 km. Mag.= 5.6 (CGS). Arabian Sea.				
	eiP	04 21 22		SHI	
	e(P)	22 07		MSH	
	e P	33		TEH	1870
	e S	25 45			
	e P	22 (50)		KER	
	eiP	23 31		TAB	
	iS	27 25.3			
March 30	e P iS	09 05 58 06 23		TAB	
March 30	e P e S	09 12 54 13 24		TAB	
March 30	e P e S e(P) e P	11 50 00 26 36 51 14		TEH MSH KER	
March 30	e P	13 46 41		TEH	
March 30	e P e S	16 18 46 19 12		TAB	
March 30	e P	17 33 53		SHI	
March 30	e P	17 41 48		SHI	
March 30	e P	18 57 46		SHI	
March 30	e P	05 23 10		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
March 31	e P	09 46 24		SHI	
March 31	e P	12 52 51		TAB	
March 31	e(P)	14 06 53		MSH	
March 31	i(P)	19 55 27.0	D	MSH	
March 31	e P	21 06 18		TAB	
March 31	e P	21 52 50		TAB	
March 31	e P	22 51 39		SHI	
March 31	USCGS: 23 38 00.5, 36.4N, 70.8E, h= 200 km. Mag.= 5.6 (CGS). Hindu Kush Region.				
	iP	23 40 06.0	C	MSH	
	e S	41 46			
	iP	34.0	D	TEH	1760
	S	44 26.0			
	iP	41 44.8	D	SHI	
	iP	42 14.5		KER	
	eiP	16.0	(D)	TAB	
	eiS	45 48.0			
March 31	iP	23 49 41.4	(C)	TAB	
		(60)			

APRIL 1966.

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
April 1	e(P) e P	01 07 46 08 (31)		MSH SHI	
April 1	eiP	02 08 22.0		TAB	
April 1	eiP P	03 03 15.5 38.5		TEH SHI	
April 1	e P	03 46 55		SHI	
April 1	e P e(P)	03 51 20 52 05		TAB MSH	
April 1	e P e P e S e P e P e S	09 02 45 03 08 04 15 03 (09) 04 25 05 11		KER TEH SHI TAB	
April 1	e P P	13 19 32 20 46.6		TAB SHI	
April 1	e P	14 23 04		MSH	
April 1	e P	16 13 34		TAB	
April 1	e P	18 44 28		TAB	
April 1	e P	23 10 17		TAB	
April 2	e P	02 11 35		SHI	
April 2	e P e S e P	12 53 17 46 (50)		TEH KER	
April 2	e P	16 01 58		SHI	
April 2	e P	17 13 14		SHI	
April 2	P e P eiP	22 54 41.7 48 49.8	C	SHI KER TAB	
April 3	e P iS	02 54 39 44.5 (61)		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
April 3	USCGS:	04 43	41.1, 36.7N, 140.8E, h= 68 km.		
			Mag.= 5.7 (CGS). Near East Coast of Honshu, Japan.		
	eiP iP e(S) iP e P	04 54 45 58.0 05 04 16 04 54 58.7 55 07	C C	TEH SHI TAB KER	7730
April 3	e P e S	05 56 35 51		TEH	
April 3	USCGS:	11 36	24.8, 39.0N, 21.5E, h= 25 km.		
			Mag.= 5.1 (CGS). Greece.		
	e P e P e P e P	11 40 53 41 23 39 42 07		TAB KER TEH SHI	2680
April 3	eiP eiS	14 46 12.0 18.5		MSH	
April 3	P	17 48 51.7		SHI	
April 3	P eiP	18 40 24.2 41 18.5		SHI TAB	
April 3	e P	19 02 45		SHI	
April 3	e P	23 11 44		SHI	
April 3	P e P e P	23 20 19.2 21 (02) 10		SHI KER TEH	
April 4	e P	01 01 06		SHI	
April 4	P	02 59 22		SHI	
April 4	USCGS:	06 42	13.9, 12.1N, 92.7E, h= 33 km.		
			Mag.= 5.0 (CGS). Andaman Islands Region.		
	e P e S e P e S e P	06 49 55 56 16 50 24 56 55 50 (41)		SHI TEH KER	4940

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
April 4	e P	06 55 (08)		TEH	
April 4	e P	09 34 19		SHI	
April 4	e P e S	13 56 00 12		TEH	
April 4	e P	18 08 23		SHI	
April 4	P	20 08 54.2		SHI	
April 4	e P iS e P	23 39 44 40 11.5 39 44		TAB SHI	
April 5	e P	00 15 17		SHI	
April 5	e P	05 05 58		SHI	
April 5	P	05 09 07.9		SHI	
April 5	e P	06 17 08.5		SHI	
April 5	e P	08 39 36.5		SHI	
April 5	e P e P P	09 01 20 02 03 28		KER TAB SHI	
April 5	e P	16 38 (49)		SHI	
April 6	USCGS:	01 51 51.8, 35.ON, 73.OE, h= 38 km.			
	Mag.= 5.1 (CGS).	West Pakistan, Felt in Kashmir.			
	e P	01 54 29		MSH	
	e P	55 55		TEH	1940
	e S	59 25			
	eSS	49			
	eSSS	58			
	P	56 03		SHI	
	e P	39		KER	
	e P	43		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
April 6	USCGS:	02 59 01.7, 45.8S, 96.1E, h= 33 km.			
	Mag.= 5.8 (CGS), 6 (PAS).	Southern Indian Rise.			
	P	03 11 35.7		SHI	
	e(S)	22 04			
	iP	11 52.0	D	MSH	
	e P	12 05		TEH	10010
	e S	22 42			
	esS	23 03			
	e P	12 15		TAB	
	e S	23 04			
	e P	12 (19)		KER	
April 6	e P e S	08 26 55 27 09		TEH	
April 6	iP iS	10 55 24.4 51.5		TAB	
April 6	eiP	18 18 16		SHI	
April 6	eiP P e P	19 55 50.0 56 42 52.5		MSH SHI TAB	
April 6	e P iS	21 17 48 18 17.0		TAB	
April 6	e P iS	21 51 56 52 24.2		TAB	
April 6	e P eiP P eiP	22 03 (44) 52.5 04 25.9 57.7		KER MSH SHI TAB	
April 6	USCGS:	22 28 38.7, 56.6N, 154.5W, h= 33 km.			
	Mag.= 5.5 (CGS).	Kodiak Island Region.			
	e P	22 41 08		TAB	
	e P	15		TEH	9500
	P	40.3		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
April 6	USCGS:	22 56 05, 9.6S, 107.6E, h= 33 km.			
		Mag.= 5.3 (CGS). South of Java.			
	e(P)	23 06 43		MSH	
	P	50		SHI	
	e(S)	15 36			
	e P	07 10		TEH	
	epP	21			
	e S	16 23			
	e P	07 (19)		KER	
	e P	41		TAB	
April 7	P	00 27 22.1		SHI	
	e P	(48)		KER	
April 7	e P	00 45 37		SHI	
April 7	USCGS:	03 25 46.3, 37.8N, 21.1E, h= 36 km.			
		Mag.= 4.8 (CGS). Southern Greece.			
	e P	03 30 07		TAB	
	e P	(30)		KER	
	e P	31 00		TEH	2670
	eiP	28			
April 7	e P	03 36 38		TAB	
	iS	54.3			
April 7	USCGS:	09 42 32.1, 26.1N, 127.4E, h= 46 km.			
		Mag.= 5.7 (CGS). Ryukyu Island.			
	e P	09 52 22		MSH	
	e P	55 06		TEH	7130
	P	10.7		SHI	
	eiP	28.0	C	TAB	
	e P	29		KER	
April 7	e P	10 21 53		SHI	
April 7	e P	18 17 02		SHI	
April 7	e P	22 32 00		SHI	
April 8	P	00 03 22.8		SHI	
	e P	04 21		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
April 8	USCGS:	01 46 44.9, 51.2N, 157.7E, h= 47 km.			
		Mag.= 6½ (PAS), 6 - 6¼ (BRK), 5.9 (CGS). Near East Coast of Kamchatka.			
	iP	01 57 36.5	C	MSH	
	eiP	58 06.0	C	TEH	7970
	ePP	02 00 48			
	e S	07 24			
	iP	01 58 11.2	C	TAB	
	eiP	26.5		KER	
	iP	29.6	C	SHI	
	e(S)	02 08 06			
April 8	USCGS:	05 52 40.4, 52.7N, 33.2W, h= 33 km.			
		Mag.= 5.5 (CGS). North Atlantic Ocean.			
	e P	06 02 11		TAB	
	e S	07 28.0			
	e P	02 (27)		KER	
	iP	42.7	C	TEH	6720
April 8	eiP	07 53 10.2		TAB	
	iS	32.0			
	e P	(45)		KER	
April 8	USCGS:	09 19 09.6, 56.9N, 152.0W, h= 33 km.			
		Mag.= 4.7 (CGS). Kodiak Island Region.			
	e P	09 31 47		TEH	9540
	ePP	35 06			
	e S	42 18			
April 8	e(P)	09 32 43		MSH	
April 8	USCGS:	13 46 50, 35.8N, 30.9E, h= 38 km.			
		Mag.= 4.5 (CGS). Eastern Mediterranean Sea.			
	e P	13 50 (00)		KER	
	e P	44		TEH	1870
April 8	e(P)	14 33 10		MSH	
April 8	e P	19 10 46		KER	
	iS	11 14.0			
	e P	19 10 54.3		TAB	
	e S	11 26			
April 8	e P	22 18 29		MSH	
	e P	19 (11)		KER	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
April 8	USCGS:	22 10 59.3, 56.8N, 151.9W, h= 33 km.			
		Mag.= 5½ - 5¾ (PAL), 5.1 (CGS). Kodiak Island Region.			
	e(P)	22 23 25		MSH	
	e P	35		TEH	9510
	ePP	26 56			
	e S	34 04			
April 9	eiP	00 21 16.5		TAB	
April 9	e P	03 26 (15)		KER	
	e P	26		TEH	
	e(S)	27 36			
April 9	USCGS:	19 11 11, 14.4N, 40.8E, h= 33 km.			
		Mag.= 4.7 (CGS). Ethiopia.			
	e P	19 16 17		TEH	2560
April 9	eiP	20 11 44.5		MSH	
	e P	12 (46)		KER	
	e P	48		TAB	
April 9	USCGS:	20 08 39, 56.7N, 152.0W, h= 33 km.			
		Mag.= 5.5 (CGS). Kodiak Island Region.			
	e P	20 21 16		TEH	9520
April 9	ei(P)	21 50 46		MSH	
April 10	eiP	00 33 20.5		MSH	
	eiS	35 04.0			
April 10	e P	06 03 03		TEH	
	e S	45			
April 10	eiP	06 30 21.0		MSH	
April 10	USCGS:	10 39 51.0, 53.1N, 171.0E, h= 20 km.			
		Mag.= 5.2 (CGS). Near Islands, Aleutian Islands.			
	eiP	10 51 46	C	TEH	8610

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
April 10	USCGS:	16 36 14.6, 31.5S, 71.2W, h= 64 km.			
		Mag.= 6 (PAS), 5¼ - 5½ (PAL), 5.7 (CGS). Near Coast of Central Chile.			
	e P,	16 55 (13)		KER	
	e P,	18		TAB	
	e P	24		TEH	14760
	ePP	57 47			
	esPP	58 09			
	ePKS	56			
	esPKS	59 12			
	e P'	55 36			
April 10	e P	23 06 (06)		KER	
April 11	e P	00 22 (35)		KER	
	eiP	48.1		TAB	
April 11	e(P)	08 07 55		MSH	
April 11	USCGS:	16 05 41.6, 52.5N, 173.0E, h= 29 km.			
		Mag.= 5.2 (CGS). Near Islands, Aleutian Islands.			
	eiP	16 17 43	C	TEH	8770
April 11	USCGS:	16 42 53.5, 38.8N, 70.6E, h= 29 km.			
		Mag.= 4.8 (CGS). Afghanistan - USSR Border.			
	eiP	16 45 07.0		MSH	
	e S	47 12			
	e P	46 33		TEH	1730
	e(PF)	41			
	e S	49 35			
	eSS	55			
	e P	47 19		TAB	
	e P	22		KER	
April 11	USCGS:	23 00 24.0, 56.6N, 152.0W, h= 33 km.			
		Mag.= 5¼ - 6 (PAL), 5.4 (CGS). Kodiak Islands Region.			
	eiP	23 12 50.5		MSH	
	ePP	16 14			
	eiP	12 56.0	C	TAB	
	e(S)	23 23			
	eiP	13 02.5	C	TEH	9550
	ePP	16 22			
	e S	23 30			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
April 12	USCGS: 23 37 42.1, 38.1S, 73.0W, h= 44 km. Mag.= 6 (PAS), 6.4 (BRK), 6 - 6¼ (PAL), 5.7 (CGS). Central Chile.				
	e P	23 56 54		TAB	
	e(PF)	59 20			
	e P'	56 57		TEH	15100
	ePP	59 40			
April 13	ePKS	00 00 26			
	e P'	23 56 (56)		KER	
	iP'	57 06.0 C		MSH	
April 13	USCGS: 03 35 16.3, 38.2S, 73.2W, h= 40 km. Mag.= 5½ (PAS), 5½ - 5¾ (PAL), 5.8 (CGS). Near Coast of Central Chile.				
	e P'	05 54 35		TEH	15150
	ePP	57 16			
	eiPKS	58 10			
	e P'	54 40		MSH	
	e P'	(52)		KER	
	e ?	56 30 (C)		TAB	
April 13	e P	08 32 14		TEH	
	e S	26			
April 13	e P	13 14 30		MSH	
April 14	e P	13 58 54		MSH	
April 14	e P	18 03 55		TAB	
April 14	USCGS: 18 51 46, 34.5N, 24.0E, h= 33 km. Mag.= 5.0 (CGS). Crete.				
	e P	18 56 10		KER	
	e P	45		TEH	
	e S	19 00 44			
	csS	59			
April 14	USCGS: 21 06 17.4, 38.9N, 70.6E, h= 33 km. Mag.= 5.2 (CGS). Afghanistan - USSR Border Region.				
	eiP ₁	21 08 20.5		MSH	
	eiP ₂	23.5			
	eiP ₃	27.0			
	e S	10 26			
	e P	09 57		TEH	1730
	e S	12 09			
	e P	10 44		KER	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
April 14	e P	23 01 26		MSH	
April 15	iP	01 39 44.0		TAB	
	i(S)	50 09			
April 15	e(P)	15 00 35		MSH	
	eiS	48.5			
April 15	iP	16 12 47.0		TEH	
	iS	13 06.5			
	e P	24		KER	
	iS	14 07.3			
April 15	e P	20 35 30		MSH	
April 16	USCGS: 01 27 15.3, 57.0N, 153.6W, h= 33 km. Mag.= 6¼ (PAS), 6 (PAL), 5.7 (CGS). Kodiak Island Region.				
	iP	01 39 39.0 C		MSH	
	iP	52.8 C		TEH	9530
	ePP	43 11			
	e S	50 16			
	esS	34			
	e P	40 00		KER	
April 16	USCGS: 10 13 38, 35.0N, 141.5E, h= 63 km. Mag.= 5.2 (CGS). Off East Coast of Honshu, Japan.				
	e P	10 24 40		TEH	7860
	e S	33 54			
	eiP	24 53		SHI	
	e(S)	34 20			
April 16	USCGS: 14 43 20.5, 0.8N, 29.9E, h= 33 km. Mag.= 5.3 (CGS). Republic of Gongo.				
	P	14 50 20.6		SHI	
	e S	56 06			
	e P	50 58		TEH	4500
	ePP	52 36			
	e S	57 10			
April 16	e P	15 41 47		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
April 16.	e(P)	15 53 49		MSH	
	e(S)	55 37			
	P	03		SHI	
April 16	iP	18 20 55.0	C	SHI	
April 16	eiP	19 45 31.5		MSH	
	eiS	46 05.5			
April 16	P	23 22 26.0	C	SHI	
	e P	23 23		KER	
	iS	47.8			
	e P	41		TAB	
April 17	e P	00 08 15		SHI	
April 17	e P	04 33 04		TEH	
	e S	22			
	e P	(35)		KER	
April 17	e P	07 35 56.5		SHI	
	e S	36 12			
April 18	USCGS: 08 14 18.8, 12.9N, 48.3E, Eastern Gulf of Aden. Mag.= 5.4 (CGS).				
	e P	08 18 07.5		SHI	
	eiP	19 02		KER	
	eiS	22 58			
	eiP	19 19.3	C	TEH	2560
	e S	23 32			
	eiP	19 42	(C)	TAB	
	iS	23 11.5			
	e P	19 44		MSH	
April 18	e P	10 02 36		KER	
	e P	03 11		TEH	
	e S	49			
	e P	43		TAB	
April 18	P	22 30 26		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
April 19	USCGS: 01 13 36.2, 42.8N, 45.2E, h= 17 km. Mag.= 4.9 (CGS). Eastern Caucasus.				
	eiP	01 14 01.2		TAB	
	e P	15 26		KER	
	e P	28		TEH	840
	e S	16 42			
April 19	e P	17 02		SHI	
	e P	04 26 50		SHI	
April 19	eiP	11 29 25.5		MSH	
April 19	e P	13 47 31		TEH	
	e S	39			
April 19	P	15 12 43.7		SHI	
	e P	13 (48)		KER	
April 19	e P	18 08 57		SHI	
April 19	P	19 40 55.2		SHI	
April 19	eiP	20 38 24		SHI	
April 20	e P	01 22 32		TEH	
	e S	23 18			
	eiP	22 54.5		MSH	
	e(S)	24 04			
	e P	23 23		TAB	
	e S	24 36			
	e P	23 45		SHI	
	e P	(59)		KER	
April 20	e P	02 44 45		MSH	
	e P	45 25		SHI	
	e(S)	55 46			
	e P	45 36		TAB	
	e(S)	56 12			
April 20	USCGS: 06 00 39.4, 18.9N, 146.8E, h= 33 km. Mag.= 5.1 (CGS). Mariana Islands.				
	e P	06 12 31		MSH	
	e P	13 06		TEH	9300
	e P	(10)		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
April 20	e P	13 37 19		SHI	
April 20	e(P)	13 52 50		MSH	
April 20	e P	14 40 30		SHI	
April 20	USCGS: 16 26 21.2, 18.8N, 146.9E, h= 55 km. Mag.= 5.2 - 5.4 (BRK), 5.4 (CGS). Mariana Islands.				
	iP	16 38 02.0	C	TAB	
	iP	12.5	C	MSH	
	eiP	46.0	C	TEH	9300
	ePP	42 10			
April 20	USCGS: 16 42 03.7, 41.7N, 48.2E, h= 19 km. Mag.= 5.5 (CGS). Eastern Caucasus.				
	iP	16 43 06.4	C	TAB	
	iP	40.3	C	TEH	720
	iS	44 50.3			
	eiP	43 55		KER	
	eiP	44 37.5		MSH	
	e S	46 32			
	P	45 03.8		SHI	
	e(S)	47 26			
April 20	P	18 06 20.2	C	TEH	
	e P	07 (49)		KER	
April 20	e P	19 43 01		TAB	
April 20	e P	21 46 58.5		SHI	
April 20	P	22 21 59.5	C	SHI	
April 21	eiP	04 03 18.5	C	TEH	
	eiP	32.0		TAB	
	iP	52.8	C	SHI	
April 21	USCGS: 06 45 29, 34.8N, 26.0E, h= 52 km. Mag.= 5.1 (CGS). Crete.				
	e P	06 49 (30)		KER	
	e P	50 08		TEH	2300
	eSS	54 18			
	e P	50 30		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
April 21	e P	15 55 39		SHI	
	e P	55		KER	
April 21	USCGS: 15 45 25.4, 36.1N, 141.8E, h= 30 km. Mag.= 5.5 (CGS). Near East Coast of Honshu, Japan Felt.				
	eiP	15 56 02.0		MSH	
	e P	38		TEH	7840
	e S	16 05 57			
	e P	15 56 52		SHI	
	e(S)	16 06 18			
April 21	USCGS: 17 36 50, 35.5N, 142.0E, h= 46 km. Mag.= 5.1 (CGS). Off East Coast of Honshu, Japan Felt.				
	e(P)	17 47 28		MSH	
	ei(S)	56 10.0			
	e P	48 05		TEH	7830
	e S	57 22			
	e P	48 17		SHI	
	e S	57 44			
April 21	e P	18 51 35		SHI	
April 21	P	21 40 10.2		SHI	
April 21	eiP ₁	23 46 06.0		MSH	
	eiP ₂	09.5			
	e(S)	49			
	e P	(21)		TEH	
	e(S)	47 35			
April 22	e P	01 30 25		TEH	
	e S	40			
April 22	e P	03 25 (27)		KER	
	eiP	52.0		SHI	
	e P	26 02		MSH	
April 22	e P	12 17 13		TEH	
	e S	24			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
April 22	USCGS: 23 27 20.4, 57.5N, 152.1W, h= 22 km. Mag.= 5.9 (CGS). Kodiak Island Region.				
	P	23 39	56.3	D	TEH 9500
	ePP	43	14		
	e S	50	21		
	eiP	39	45.0		MSH
	e P	40	22.7		SHI
April 23	USCGS: 00 09 34.4, 0.9S, 122.4E, h= 45 km. Mag.= 6 $\frac{1}{4}$ (PAS), 6 $\frac{1}{4}$ - 7 (PAL), 6.0 (CGS). Northern Celebes.				
	eiP	00 20	35.5		MSH
	eiP		56		SHI
	iP	21	14.1	D	TEH 8340
	ePPP	25	48		
	e S	30	47		
April 23	eiP	21	31.4		KER
	eiP	01 12	14		SHI
April 23	P	04 00	32.7		SHI
	P	05 44	47		
April 23	e P	07 12	06		MSH
April 23	USCGS: 08 56 46, 0.5S, 122.2E, h= 79 km. Mag.= 6 (PAS), 6 - 6 $\frac{1}{4}$ (PAL), 5.8 (CGS). Northern Celebes.				
	iP	09 07	42.0	D	MSH
	eiP	08	05.7		SHI
	e(S)	17	25		
	e P	08	19		TEH 8280
	ePPP	12	54		
April 23	e S	17	54		
	e P	08	36		KER
	e(S)	18	28		
	eiP	09 23	29.9		SHI
April 23	e P	09 27	29		SHI
April 23	P	09 31	34.2		SHI

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
April 23	e P	11 18 13		SHI	
April 23	e P	11 53 14		SHI	
April 23	e P	13 02 (10)		KER	
April 23	P	14 31 05.5		SHI	
April 23	e P	23 34 13		KER	
April 24	e P	02 34 58		KER	
April 24	e P	06 38 55		KER	
	iS	39 34.0			
April 24	e(P)	07 14 38		MSH	
April 24	e P	08 12 17		SHI	
	S	43			
April 24	e P	19 45 10		SHI	
April 24	P	19 50 20.5		SHI	
April 24	e P	20 54 28		SHI	
April 24	eiP	21 01 04		SHI	
April 25	e P	07 16 21		SHI	
April 25	e(P)	07 36 43		MSH	
April 25	iP	08 04 04.8	C	SHI	
April 25	e P	12 13 13		SHI	
April 25	e P	18 14 29		MSH	
	e P	15 28		SHI	
	e P	16 (27)		KER	
April 25	eiP	19 35 13		SHI	
April 25	P	22 38 52.8		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
April 25	USCGS:	23 22	52.8, 41.4	69.3E, h= 33 km.	
				Kirgiz S.S. 10 killed, 100 injured and major property damaged at Tashkent.	
	Mag.= 5.0 (CGS).				
	eiF1	23 25	01.5	MSH	
	eiF2		12.5		
	e S	26	36		
	e P	26	23	TEH	1660
	e S	29	34		
	P	27	02	SHI	
	e(S)	30	28		
	e P	27	13	KER	
April 26	e P	05 43	50	KER	
April 26	e P	05 45	(16)	SHI	
April 26	e P	10 41	13	SHI	
April 26	P	10 53	00.3	SHI	5
April 26	P	16 37	07.1	SHI	1
April 26	e P	19 54	47	SHI	
April 26	e(P)	22 14	51	MSH	
April 26	e P	22 54	47	SHI	
April 27	P	00 44	05.8	SHI	8
April 27	e P	06 13	23	MSH	
April 27	e P	11 07	(44)	SHI	
April 27	e P	11 45	10	MSH	
April 27	P	13 19	50	SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
April 27	USCGS:	19 48	49.8, 38.2N, 42.7E,	h= 25 km.	
	Mag.= 4.9 (CGS).		Turkey.		
	iP	19 49	39.0	C	TAB
	iP	50	09.0		KER
	iS	51	51.1		
	e P1	50	41		TEH
	e P2	51	15		830
	eiS1	52	14		
	e S2		52		
	eiP	51	35.5		SHI
	e(S)	53	43		
	iP	52	06.5	C	MSH
	ei(S)	54	44.0		
April 27	iP	20 00	15.5		TAB
April 27	(P)	20 04	40		SHI
April 27	eiP	20 09	22.0		TAB
April 27	e P	20 20	58		TAB
April 27	eiP	20 23	10.5		TAB
	e P		46		KER
	e P	25	(09)		SHI
April 27	P	21 19	40.0		SHI
	e P		20 54		KER
April 27	e P	23 08	44		SHI
April 27	e P	23 25	42		SHI
April 27	e P	23 39	57		TAB
April 27	e P	23 49	07		TAB
	e P		50		KER
April 28	e P	00 05	50		TAB
April 28	e P	00 12	46		TAB
April 28	e P	00 17	41		TAB
April 28	P	00 38	34.1		SHI
	e P		42		TAB

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
April 28	e P	01 01 49		TAB	
April 28	e P	01 03 15		KER	
April 28	P	01 34 35		SHI	
April 28	P	09 11 52.5		SHI	
April 28	e P	11 53 (16)		SHI	
April 28	iP	14 38 13.0		TAB	
April 28	iP	17 15 43.0		TAB	
	e P	17 48		SHI	
	iP	17 47.0	C	MSH	
April 28	e P	18 14 40.5		SHI	
	e P	15 (45)		KER	
	e P	16 15		TAB	
April 28	eiP	19 47 20.5		TAB	
April 28	e P	20 26 57		KER	
April 28	e P	21 04 21		TAB	
April 28	e P	21 08 58		TAB	
April 28	eiP	21 16 42.3		TAB	
April 29	e(P)	01 58 20		MSH	
	eiP	59 30.0		TAB	
	e P	53		SHI	
April 29	e P	02 36 14		SHI	
April 29	e(P)	07 43 35		MSH	
April 29	iP	13 05 58.0	D	SHI	
April 29	eiP	23 15 12.1		TAB	
	iP	31.9	C	SHI	
April 29	iP	23 56 17.0	D	SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
April 30	iP	12 08 22.5	D	TAB	
	e P	55		TEH	
	e S	09 05			
April 30	USCGS: 13 41 09.1, 41.0N, 72.1E, h= 19 km. Mag.= 5.1 (CGS). Kirgiz SSR.				
	e(P)	13 44 21		MSH	
	e S	45 55			
	eiP	10		TEH	1920
	e S	48 27			
	eiP	45 44.0	C	TAB	
	e P	(48)		KER	
April 30	e P	15 39 36		TEH	
	e S	40 29			
April 30	e P	17 35 25		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
May 1	USCGS: Mag.= 6.4 (PAS), 5.7 (CGS). Peru - Brazil Border Region.	16 22 56.3	8.5S, 74.3W		h= 165 km.
	e P'	16 41 29		TAB	
	e P'			KER	
	e P'			TEH	13870
	epP	42 15			
	ePP	43 25			
	eSKS	48 22			
	SKKS	50 04			
	(SS)	59 43			
	eiP'	41 48.5		MSH	
May 1	eiP	18 41 17.5		MSH	
	iP	42 13.0	C	TAB	
May 1	e P	21 27 40		TAB	
	iS				45.0
May 1	e(P)	23 14 31		MSH	
May 2	e P	10 06 03		MSH	
May 2	e P	13 08 40		KER	
May 2	e P	13 38 55		TAB	
May 2	USCGS: Turkey.	13 51 40.7	38.7N, 42.6E		h= 33 km.
	iP	13 52 26.0		TAB	C
	e P			KER	
	e P	53 41		TEH	920
	esP	52			
	ei(S)	55 21			
	ei(SS)	48			
	e P	54 55		MSH	
	ei(S)	58 17.5			
May 2	USCGS: Turkey.	13 55 03.6	38.1N, 42.7E		h= 54 km.
	e P	13 55 47		TAB	
	iP	56 36.5		KER	
	eiP	57 03.5		TEH	930
	e(S)	58 40			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
May 2	e P	16 21 35		TAB	
	e P	22 17		KER	
May 2	e P	16 41 18		TAB	
May 2	USCGS: Mag.= 5.8 (CGS). Bali Islands Region.	16 39 44	8.6S, 114.9E		h= 103 km.
	eiP	16 50 37.0		MSH	
	e P	51 12		TEH	8270
	e S	17 00 28			
	e P	16 51 26		KER	
	iP	38.3		TAB	
May 2	USCGS: Mag.= 4.5 (CGS). Turkey.	20 40 38.0	37.8N, 42.4E		h= 15 km.
	eiP	20 41 27.5		TAB	C
	e P	42 02		KER	
	e P	45		TEH	970
	esP	55			
	e S	44 32			
	e P	43 56		MSH	
May 2	eiP	20 58 36.0		TAB	
May 2	USCGS: Mag.= 4.8 (CGS). Turkey.	23 12 23	38.0N, 42.6E		h= 41 km.
	iP	23 13 11.0		TAB	C
	e P	40		KER	
	e P	14 20		TEH	900
	esP	32			
	e S	15 49			
	eiP	38.5		MSH	
	e(S)	20 50			
May 3	e P	03 09 10		TAB	
May 3	e P	03 49 21		TAB	
May 3	e P	06 44 47		TAB	
May 3	iP	14 41 50.2		TAB	C
	iS	51 18.6			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
May 3	e P	14 46 47		TAB	
	i(S)	47 46.0			
	e P	21		KER	
	e P	48 16		TEH	
	e ?	50 00			
May 3	USCGS:	20 34 28, 38.3N, 42.6E, h= 33 km.			
	Turkey.				
	eiP	20 35 14.3	C	TAB	
	iS	36 07.5			
	e P	35 47		KER	
	e P	36 26		TEH	910
	e S	38 04			
May 3	e P	20 43 06		MSH	
	eiP	55.0	D	TAB	
	iS	44 52.8			
	e P	43		KER	
	e P	45 19		TEH	
	e ?	47 06			
May 3	e(P)	22 07 40		MSH	
May 3	e P	23 28 56		TAB	
May 3	e P	23 37 56		TAB	
May 3	e P	23 39 46		TAB	
May 3	eiP	23 45 06.5		TAB	
May 3	e P	23 58 57		TAB	
May 4	e P	06 21 04		MSH	
May 4	USCGS:	06 36 57.8, 39.1N, 21.8E, h= 41 km.			
	Mag.= 5.0 (CGS).	Greece.			
	eiP	06 41 25.0		TAB	
	iS	45 07.5			
	e P	41 43		KER	
	e P	42 13		TEH	2680
	e S	46 36			
May 4	eiP	07 08 36.0		TAB	
	eiS	09 27.0			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
May 4	e P	10 25 53		TAB	
	e S	26 45			
May 4	e P	17 15 15		SHI	
May 4	e P	18 41 (50)		SHI	
May 4	eiP	21 22 09.6 (C)		TAB	
May 4	USCGS:	21 48 58, 37.7N, 27.9E, h= 14 km.			
	Mag.= 4.7(CGS).	Turkey.			
	eiP	21 52 32.4	D	TAB	
	e P	50		KER	
	e P	53 22		TEH	2110
	e S	57 07			
	iP	53 56.0	C	SHI	
	e(S)	58 03			
	eiP	54 30.0		MSH	
	eiS	59 07.5			
May 5	e P	00 15 52		TAB	
May 5	P	03 32 16.0		SHI	
May 5	e P	04 49 26		TEH	
	e S	38			
May 5	e P	06 46 40		SHI	
May 5	P	06 51 42.9	C	SHI	
May 5	e P	07 02 48		KER	
May 5	USCGS:	14 21 12.7, 24.4N, 122.6E, h= 60 km.			
	Mag.= 5.1 (CGS).	Taiwan Region.			
	iP	14 30 49.0	C	MSH	
	e P	31 34		TEH	6810
	epP	54			
	ePP	33 57			
	ePPP	35 20			
	e S	39 59			
	iP	31 36.2	C	SHI	
	(S)	40 00			
	e P	32 00		KER	
	iP	02.2	C	TAB	
	iS	40 44.2			
May 5	(S)	25 00	(84)	SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
May 5	(P)	15 00 59.8		SHI	
May 5	e P	15 30 23		KER	
May 5	P	15 44 17.8		SHI	
May 5	e P	16 02 43		SHI	
May 5	e P	20 08 02		TAB	
May 5	e P	20 46 02		SHI	
May 5	P	20 49 51		SHI	
May 5	P	23 06 34		SHI	
May 6	e(P)	00 14 32		MSH	
	e P	15 (37)		SHI	
	e P	16 15		KER	
May 6	e P	00 35 06		SHI	
May 6	USCGS:	02 36 56.8, 15.7S, 34.4E, h= 33 km.			
	Mag.= 5.5 (CGS).	Malawi.			
	e P	06 45 25		TAB	
	P	36.8		SHI	
	e P	59		KER	
	e P	46 16		TEH	5940
	e S	53 52			
	e(F)	46 40		MSH	
May 6	e P	04 03 12		SHI	
May 6	P	07 12 01		SHI	
May 6	e P	08 36 30		TAB	
May 6	e P	11 34 43		SHI	
May 6	e P	13 22 37		KER	
May 6	P	16 20 04.8		SHI	
May 6	P	19 05 02		TEH	
	e S	11			

Date	Phase	Time (CMT)	I.M.	Sta.	Dist.(Km.)
May 6	e P	20 45 35		TEH	
	e S	46 12			
	ei(P)	45 43.5		TAB	
	e P	55		KER	
May 7	e P	08 12 (26)		SHI	
May 7	e P	09 59 28		SHI	
May 7	e P	10 21 (09)		SHI	
May 7	USCGS:	13 08 16.0, 37.8N, 27.9E, h= 12 km.			
	Mag.= 5.2 (CGS).	Turkey.			
	eiP	13 11 50.5	D	TAB	
	e P	12 07		KER	
	eiP	42.0		TEH	2130
	e S	16 21			
	P	13 14.0	(D)	SHI	
May 7	e P	16 35 07		SHI	
May 7	eiP	21 12 44.0		MSH	
	e S	14 20			
	e P	37		SHI	
May 7	e P	22 11 26		TAB	
	e P	12 02		KER	
	e P	13 23		SHI	
	e P	36		MSH	
May 7	e P	22 17 56		KER	
	e(P)	18 23		TEH	
	e(S)	19 21			
May 7	e P	22 26 28		TAB	
	e P	27 (02)		KER	
May 8	e P	00 11 40		SHI	
May 8	P	01 36 53.5		SHI	
	e(P)	39 38		MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
May 8	eiP	02 22 46	D	KER	
	iS	23 02.3		TAB	
	e P	48		TEH	
	e P	58			
	e S	24 19		SHI	
	e P	11			
May 8	P	08 41 37.1		SHI	
May 8	e P	09 09 38	(D)	TAB	
	ei(S)	10 40.7			
May 8	eiP	17 18 42.0		MSH	
	eiS	19 15.0			
May 8	e P	17 23 46		MSH	
May 8	eiP	17 42 16.5		MSH	
	eiS	48.5			
May 8	eiP	18 03 48		SHI	
May 8	e P	21 10 38		TAB	
May 8	e P	22 32 34		SHI	
May 9	USCGS: 00 42 55.6, 34.5N, 26.5E, h= 33 km. Mag.= 5.5 (CGS). Crete.				
	iP	00 46 46.8	C	TAB	
	iS	50 03.2		KER	
	eiP	46 54.0		TEH	2280
	iP	47 33.7	C		
	S	51 30.5		SHI	
	iP	47 55.9		MSH	
	iP	48 37.0	C		
	eiS	53 36.0			
May 9	e P	02 08 22			
May 9	USCGS: 03 51 09.4, 37.2N, 31.2E, h= 125 km. Mag.= 5.1 (CGS). Turkey.				
	e P	03 54 34		TAB	
	e P	55 00		TEH	1870
	e S	58 06			
	e P	55 29		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
May 9	e P	04 32 15		TAB	
	e P	33 00		KER	
May 9	eiP	04 35 31.0	(D)	TAB	
	i(S)	36 59.0			
	e P	35 40		TEH	
	e(S)	38 52			
May 9	USCGS: 06 08 28.5, 34.5N, 26.6E, h= 33 km. Mag.= 5.0 (CGS). Crete.				
	e P	06 12 31		TAB	
	e P	(33)		KER	
	e P	13 08		TEH	2300
	e S	17 (00)			
	eiP	13 27		SHI	
May 9	e P	06 22 35		SHI	
	e P	23 (40)		KER	
	eiP	52.5		TEH	
	e(S)	27 46			
	e P	24 27		TAB	
	e(S)	33 10			
May 9	e P	06 28 22		MSH	
May 9	e P	10 36 10		SHI	
May 9	P	13 07 59.8		SHI	
May 9	P	16 57 13		SHI	
May 9	eiP	18 47 41.0		MSH	
	e S	49 35			
	e P	49 32		SHI	
May 9	e P	18 54 57		SHI	
May 9	e P	20 00 (17)		KER	
May 9	e P	21 25 (29)		SHI	
May 10	e P	01 00 38		TAB	
May 10	e P	01 32 35		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
May 10	P	02 52 24		TEH	
	e(S)	56 09			
	P	52 47.0		SHI	
May 10	P	10 20 03.3		SHI	
May 10	e P	12 05 20		MSH	
May 10	e P	15 25 00		TEH	
May 10	eiP	15 31 17.5		MSH	
May 10	e P	17 31 38		TAB	
	e P	32 24		KER	
May 10	eiP	13 16 38.5 (C)		TAB	
	i(S)	53.0			
May 10	eiP	20 10 09.5		MSH	
May 10	USCGS: 21 04 04.0, 51.5N, 99.0E, h= 2 km. Mag.= 5.9 (CGS). USSR Mangolia Border Region.				
	eiP	21 10 53.0		MSH	
	eiP	11 19.5	D	TEH	4140
	eiS	17 08			
	eSS	19 35			
	eiSSS	20 17.5			
	eScS	21 35			
	iP	11 35.0	D	TAB	
	e(S)	20 52		KER	
	e P	11 51			
	May 10	e P	21 14 06		MSH
May 10	e P	22 46 22		TEH	
	iS	40.5			
	e P	39		KER	
May 11	USCGS: 01 22 55.5, 34.5N, 26.5E, h= 49 km. Mag.= 4.7 (CGS). Crete.				
	e P	01 26 52		KER	
	e P	27 29		TEH	2200
	e P	51		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
May 11	USCGS: 01 53 56.7, 34.6N, 69.9E, h= 27 km. Mag.= 5.1 (CGS). Afghanistan.				
	e P	01 56 04		MSH	
	eiP	12.5			
	e P	57 30.5		TEH	1700
	e S	02 00 20			
	e P	01 57 35		SHI	
	e P	58 18		KER	
	e P	23		TAB	
	e(S)	02 02 03			
	May 11	e P	09 30 36		TAB
May 11	P	10 26 47.0		SHI	
May 11	USCGS: 14 17 34.1, 48.9N, 156.2E, h= 13 km. Mag.= 5.8 (CGS). Kurile Island Region.				
	iP	14 28 34.5	C	MSH	
	iP	29 05.5	C	TEH	8200
	iPcP	20.0			
	e S	38 31			
	iP	29 11.3	C	TAB	
	iP	23.1		KER	
	iS	38 26.8			
	P	29 26.1		SHI	
	May 11	USCGS: 14 26 41.6, 49.0N, 156.2E, h= 33 km. Mag.= 5.5 (CGS). Kurile Islands Region.			
iP		14 38 08.5	C	TEH	8100
e S		47 16			
iP		38 31.2	C	SHI	
May 11	P	14 55 00.7		SHI	
May 11	USCGS: 15 06 02, 34.4N, 26.5E, h= 34 km. Mag.= 4.9 (CGS). Crete.				
	e P	15 10 01		KER	
	e P	41		TEH	2300
	i?	44.5			
	P	11 02.2		SHI	
May 11	P	18 12 19.5		SHI	
May 11	e P	21 46 12		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
May 11	USCGS: Mag.= 5.1 - 5.3 (CGS).	21 39 35.3	48.8N, 156.3E	h= 38 km. Kurile Islands Region.	
	e P	21 50 33		MSH	
	iP	51 04.0	C	TEH	8100
	eiPcP	15.5			
	e S	22 00 24			
	eiP	21 51 22.5		KER	
	iP	25.7	C	SHI	
May 11	eiP	21 59 09.6	C	TAB	
	ei(S)	22 00 44			
May 11	e P	22 37 21		KER	
	e P	38 07		TAB	
May 12	P	06 41 26		SHI	
May 12	eiP	07 57 00		SHI	
May 12	USCGS: Mag.= 4.7 (CGS).	11 42 46	40.2N, 78.4E	h= 33 km. Southern Sin Kinag Prov. China.	
	e P	11 47 27		TEH	2300
	e S	51 18			
	eSS	42			
	eScP	55 02			
	e P	47 (55)		SHI	
	e P	48 56		MSH	
May 12	e P	12 28 47		KER	
	F	51.0 (C)		SHI	
May 12	eiP	13 29 29.0		SHI	
May 12	e P	14 50 09		KER	
May 12	P	20 18 18.5		SHI	
	S	25			
May 12	e P	20 36 18.8		SHI	
May 12	e P	21 54 00		SHI	
	e P	04		KER	
May 13	eiP	01 19 33.5		MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
May 13	e P	06 14 43		TAB	
May 13	e P	06 17 17		TAB	
May 13	e P	10 20 52		TEH	
	eiP	21 14		SHI	
May 13	e P	13 10 15		TEH	
	e P	36		SHI	
May 13	USCGS: Mag.= 4.8 (CGS).	13 11 51	34.8N, 27.0E	h= 31 km. Crete.	
	iP	13 16 28		TEH	2260
	e S	20 11			
	iP	16 50.3	C	SHI	
May 13	iP	14 11 11.0	C	SHI	
May 13	iP	14 31 18.5	C	SHI	
May 13	e P	16 47 26		SHI	
May 13	e P	17 54 (19)		KER	
May 13	F	18 12 02.0		SHI	
May 13	e P	19 51 51		SHI	
May 13	e P	20 15 (51)		KER	
May 13	USCGS: Mag.= 4.0 (CGS).	23 12 34	29.8N, 69.9E	h= 27 km. West Pakistan.	
	e P	23 16 (07)		SHI	
	e P	30		TEH	1900
	e(SS)	20 00			
	e P	17 07		KER	
	e P	21		TAB	
	e P	18 16		MSH	
May 13	e P	23 56 27		MSH	
	e P	57 (20)		SHI	
	e P	23		TEH	
May 14	e(S)	00 01 17			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
May 14	USCGS: Mag.= 4.7 (CGS).	17 03	56.5, 34.2N, 133.9E, h= 33 km.		Near S-Coast of Honshu, Japan.
	e P	17 11 09		SHI	
	e P	14 16		MSH	
	e P	15 00		TEH	7670
	e S	24 10			
May 14	P	17 39 43		SHI	
May 14	eiP e P	21 46 08 30		SHI TEH	
May 14	e P e P e P e(S) e P	23 00 17 00 17 33 01 40 27		SHI KER TEH TAB	
May 15	e P e S	00 23 58 24 22		MSH	
May 15	eiP e P	02 15 51.5 17 38		MSH SHI	
May 15	P	07 45 35		SHI	
May 15	USCGS: Mag.= 4.5 (CGS).	10 11	07.9, 35.1N, 27.2E, h= 45 km.		Dodecanese Islands.
	e P P	10 15 37 16 02.2	D	TEH SHI	2200
May 15	e P eiS	14 29 22 39		TEH	
May 15	USCGS: Mag.= 5.4 - 6 (PAS), 5.5 - 5.7 (BRK), 6 (PAL), 5.8 (CGS).	14 46	06.5, 51.5N, 178.4W, h= 31 km.		Andranof Islands, Aleutian.
	iP iP eiP e S e P iP	14 53 11.0 29.3 30.0 15 08 48 14 53 43 53.1	C C C	MSH TAB TEH KER SHI	9240

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
May 15	e P P	17 13 39 20 02.0		MSH SHI	
May 15	eiP	22 17 20.5	(C)	TAB	
May 15	e P	22 53 20		SHI	
May 15	e P	23 12 54		SHI	
May 16	USCGS: Mag.= 5.9 (CGS).	02 46	42.4, 60.9S, 129.4E, h= 212 km.		Banda Sea.
	eiP iP (S) e P e S iP	02 58 21.5 40.9 03 03 38 02 58 54 03 09 04 02 59 07.6 15.3	C	MSH SHI TEH KER TAB	9410
May 16	P	07 26 03		SHI	
May 16	e P	08 40 08		SHI	
May 16	e P	08 57 26		MSH	
May 16	e P	13 17 20		SHI	
May 16	USCGS: Mag.= 4.8 (CGS).	17 30	53.5, 34.4N, 26.6E, h= 32 km.		Crete.
	eiP e S eSS e P e P	17 35 33.5 39 13 51 35 55 57	C	TEH SHI TAB	2300
May 16	e(P)	18 45 37		SHI	
May 16	P	20 19 55.5		SHI	
May 16	P	20 42 18		SHI	
May 16	P	21 18 09.0		SHI	
May 17	P	00 35 12.0		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
May 17	USCGS: 00 59 06.3, 35.0N, 140.5E, h= 68 km. Mag.= 5.3 (CGS). Near East Coast of Honshu, Japan.				
	eiP	01 09		MSH	
	e P	10 01		TEH	7490
	P	23.1	C	SHI	
	eiP	25.5	D	TAB	
	e P	32		KER	
May 17	e P	05 33 22		TAB	
May 17	USCGS: 07 03 29.4, 0.7N, 30.1E, h= 12 km. Mag.= 6.3 (CGS). 90 Killed, 23 Injured and Major Property Damage at Reni, Republic of Congo, Uganda.				
	e P	07 10 32		SHI	
	e P	43		KER	
	eiP	11 08	C	TEH	4550
	ePP	12 45			
	e S	17 19			
	iP	11 02.3	D	TAB	
	eiP	46.0			
May 17	e P	15 06 07		TAB	
May 17	eiP	17 17 39.0		SHI	
	eiP	52.0		MSH	
May 18	eiP	00 17 51.5		TAB	
May 18	e P	01 19 20		TAB	
	iS	20 34.9			
	e P	19 39		KER	
	e P	20 43		TEH	
	e(S)	22 14			
	ei?	38			
	e P	21 (07)		SHI	
May 18	P	01 53 35.7		SHI	
May 18	e P	09 18 30		TEH	
May 18	P	12 57 33		SHI	
May 18	P	13 03 49.5		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
May 18	e P ₁	15 02 45		TEH	
	eiP ₂	56			
	e S ₁	03 00			
	eiS ₂	13			
	eiS ₃	33			
	eiP	13.5		MSH	
May 18	e P	15 50 42		TEH	
	e S	49			
May 18	P	17 36 26.2	C	SHI	
May 18	e P	22 30 53			
	e S	31 05			
May 19	e P	00 53 06		TAB	
	iS	47.7			
May 19	P	01 44 36.5		SHI	
May 19	e P	04 22 53		SHI	
May 19	USCGS: 05 58 40, 39.0N, 78.1E, h= 33 km. Mag.= 5.1 (CGS). Southern Sinkiang Prov., China.				
	e P	06 03 27		TEH	2370
	e S	07 26			
	P	03 (45)		SHI	
	e P	04 02		TAB	
	e P	46		MSH	
May 19	e P	06 32 (54)		SHI	
May 19	USCGS: 07 06 26.3, 54.1N, 164.1W, h= 20 km. Mag.= 6 (FAS), 5.6 - 6.0 (BRK), 6 (PAL), 5.3 (CGS). Unimak Island Region.				
	iP	07 18 49.0	C	MSH	
	iP	19 01.2	C	TAB	
	e(S)	29 25			
	eiP	19 02.0	C	TEH	9500
	eS _{KS}	29 20			
	e S	34			
	eiScS	45			
	e P	19 16		KER	
	eiP	(29)		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
May 19	e P	12 55 21		MSH	
May 20	e P	03 03 42		MSH	
	e P	04 50		KER	
May 20	P	07 45 55.0		SHI	
May 20	P	09 24 09.7		SHI	
May 20	iP	09 26 51.5	C	MSH	
	P	27 26		SHI	
	eiP	40.4	(C)	TAB	
	e P	41		KER	
May 20	e P	11 56 (24)		SHI	
May 20	e P	12 07 09		TAB	
May 20	e P	18 12 18		MSH	
	P	13 00.5		SHI	
	e P	27		KER	
	eiP	27.7	(C)	TAB	
May 20	e P	18 24 15		SHI	
May 20	e P	20 12 10		MSH	
	P	13 36.2		SHI	
	e P	45		TAB	
	e P	(52)		KER	
May 20	e P	20 47 45		MSH	
May 21	P	03 28 21.2		SHI	
May 21	iP	05 48 00.7		SHI	
May 21	P	08 29 30		SHI	
May 21	e P	11 33 08		TAB	
	e P	(42)		KER	
May 21	e P	15 02 13		SHI	
May 21	e P	17 54 29		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
May 21	e P	18 53 10		SHI	
May 21	P	22 19 44.5		SHI	
May 21	P	22 57 41.2		SHI	
May 22	P	00 14 34.6		SHI	
May 22	e P	07 42 26		SHI	
May 22	e P	08 27 25		TAB	
May 22	P	10 40 57.5		SHI	
May 22	e P	16 54 34		SHI	
May 22	e P	17 29 20		TAB	
May 22	iP	19 30 36.5	C	TEH	
	eiS	39 01.5			
	e P	33		MSH	
	e P	37		KER	
	e P	41		TAB	
	e S	41 24			
	e P	40 (05)		SHI	
May 22	e P	20 16 34		TAB	
	iS	48.8			
May 22	P	20 21 52.9		SHI	
May 22	iP	20 28 06.8		TAB	
May 22	e P	22 02 12		TAB	
	iS	33.5			
May 22	P	22 32 06.9		SHI	
	iP	49.0	C	MSH	
	eiS	33 16.0			
May 22	e P	23 59 43		TAB	
	iS	56.7			
May 23	e P	00 19 22		SHI	
May 23	eiP	01 39 32		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
May 23	e P	07 13 37		MSH	
May 23	e P	00 50 26		MSH	
	e P	51 (16)		SHI	
May 23	eiP	14 34 30.0		MSH	
	P	35 14		SHI	
	e(S)	45 38			
	e P	35 29		KER	
May 23	e P	15 45 55		TEH	
	e S	46 04			
May 23	P	16 30 56.5		SHI	
May 23	e P	16 33 33		SHI	
	e P	39 37			
May 23	P	18 19 08.2		SHI	
May 23	e P	18 28 (20)		SHI	
May 23	e P	22 05 41		SHI	
May 23	e P	22 23 07		TAB	
May 24	iP	01 23 48.4	D	SHI	
May 24	e P	04 42 15		MSH	
May 24	P	05 43 52.0		SHI	
May 24	iP	05 50 51.2	D	SHI	
May 24	e P	07 54 16		MSH	
May 24	USCGS:	09 39 26.0, 37.4N, 22.1E, h= 34 km.			
	Mag.= 4.9 (CGS).	Southern Greece.			
	e P	09 43 53		TAB	
	eiS	47 31			
	e P	44 37		TEH	2630
	e S	48 43			
	P	45 03		SHI	
May 24	e P	10 53 45		SHI	
May 24	e P	11 13 47		TAB	
	eiP	15 01.0		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
May 24	USCGS:	14 46 10, 34.1N, 26.4E, h= 53 km.			
	Mag.= 4.4 (CGS).	Crete.			
	e P	14 50 49		TEH	2310
	P	51 11		SHI	
May 24	e P	15 50 21		TEH	
	e S	26			
May 24	USCGS:	17 43 32.1, 34.9N, 24.9E, h= 45 km.			
	Mag.= 4.9 (CGS).	Crete.			
	e P	17 47 34		TAB	
	e P	50		KER	
	e P	48 25		TEH	2450
	e P	47		SHI	
May 25	eiP	00 24 02.0		MSH	
May 25	e P	01 53 43		TAB	
May 25	eiP	06 04 20.5		KER	
	iS	43.5			
	e P	05 47		TAB	
May 25	P	06 12 53.6		SHI	
May 25	USCGS:	08 28 58.6, 6.4S, 131.1E, h= 39 km.			
	Mag.= 5.8 (CGS).	Tanimbar Islands Region.			
	eiP	08 41 02.0		MSH	
	P	22		SHI	
	e P	33		TEH	9490
	ePP	44 55			
	eSKS	51 46			
	eiS	52.0			
	e P	41 49		KER	
	eiP	56.0		TAB	
May 25	e P	09 11 56		KER	
May 25	eiP	09 14 52.4		TAB	
	e P	15 28		KER	
May 25	eiP	11 20 29.5		TAB	
May 25	iP	11 59 12.8	C	SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
May 25	USCGS: 13 20 56.2, 52.9S, 160.0E, h= 33 km. Mag.= 6.6 (CGS). Macquarie Island Region, Felt on Macquarie.				
	e P'	13 39 30		SHI	
	iP'	52.5	C	MSH	
	eiP'	40 02.0		TEH	14360
	ePP	42 08			
	eiPKS	43 25			
	eiP'	40 03		KER	
	e P'	10		TAB	
May 25	eiP	21 55 56		TAB	
May 26	e P	00 27 32		TEH	
	e S	55			
	e P	48.20		KER	
May 26	eiP	04 38 04.0		MSH	
	e S	30			
	e P	50.00		TEH	
	e S	39 15			
May 26	e P	10 39 (50)		SHI	
May 26	e P	12 47 (41)		SHI	
May 26	eiP	13 52 14.5		SHI	
May 26	P	15 22 24.5		SHI	
May 26	e P	18 51 47		MSH	
	P	52 09.0		SHI	
	iP	23.4	C	TAB	
May 26	P	21 02 12.5		SHI	
May 26	P	21 22 36.0		SHI	
May 26	eiP	23 20 25.0		TAB	
May 26	P	23 33 52.0		SHI	
May 27	P	01 50 15.2		SHI	
	eiP	51 30.5	C	TEH	
	e P	52 05		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist(Km.)
May 27	e(P)	10 21 03		SHI	
May 27	e P	14 42 26		SHI	
May 27	eiP	17 17 51.0	D	TEH	
	eiS	18 45			
	eiP	17 54.5		TAB	
	e S	18 40			
	e P	37		MSH	
	e S	19 41			
	e P	15			
May 27	e P	19 11 24		TAB	
	e P	55		SHI	
May 27	e P	19 45 44		TAB	
May 27	USCGS: 22 14 14.1, 24.4N, 68.7E, h= 5 km. Mag.= 5.1 (CGS). India - West Pakistan Region.				
	e P	22 17 37		MSH	
	e P	(48)		SHI	
	e P	10 38		TEH	2100
	e S	22 11			
	e P	19 03		KER	
	e P	26		TAB	
May 28	USCGS: 00 03 56, 24.4N, 122.5E, h= 33 km. Mag.= 5.7 (CGS). Taiwan Region.				
	iP	00 13 26.5	C	MSH	
	e P	14 12		TEH	6790
	e S	22 32			
	P	14 13		SHI	
	e(S)	22 34			
	e P	14 36		KER	
	iP	36.7	C	TAB	
	iS	23 20.0			
May 28	iP	02 38 57.0	C	TEH	
	iS	39 32			
	e P	44		TAB	
	e P	40 08		KER	
	e P	10		MSH	
May 28	e P	06 03 52		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
May 28	e P	15 22 34		MSH	
May 28	e P	15 52 47		TAB	
May 28	e P	19 16 (47)		KER	
	e P	58		TAB	
May 28	e P	19 56 32		SHI	
May 28	e P	22 02 58		SHI	
May 29	P	10 40 49.0		SHI	
May 29	e P	11 27 52		TAB	
May 29	e P	14 02 50		TAB	
	e P	(52)		KER	
	e P	(52)		SHI	
May 30	e P	08 42 29		TAB	
May 30	e P	12 53 44		MSH	
	e S	55 25			
May 30	e P	15 44 20		MSH	
May 31	e P	03 26 20		MSH	
May 31	USCGS: 07 43 00, 52.3N, 169.7W, h= 33 km. Mag.= 4.7 (CGS). Fox Islands, Aleutian Islands.				
	e P	07 55 35		TEH	9480
May 31	e P	13 36 14		TEH	
	e S	37 50			
	e P	00		SHI	
May 31	e P	19 28 25		SHI	
May 31	e P	19 51 10		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
June 1	P	02 46 34.2		SHI	
June 1	e P	04 38 31		TAB	
	iS	39.8			
	e P	39 20		KER	
June 1	e P	10 19 20		MSH	
June 1	USCGS: 11 47 33.1, 23.4S, 179W, h= 24 km. Mag.= 5.9 (CGS). Tonga Islands Region.				
	eiP'	12 06 47.0		MSH	
	e P'	(55)		SHI	
	e P'	56		TEH	15400
	ePKS	10 20			
June 1	e P	13 50 52		TEH	
	e S	52 06			
June 1	e P	15 40 21		SHI	
June 1	e P	20 55 20		SHI	
June 1	e P	22 42 20		KER	
June 1	e P	23 08 30		TAB	
	iS	09 48.8			
	e P	08 (42)		KER	
June 2	USCGS: 03 27 53.3, 51.1N, 176.6E, h= 41 km. Mag.= 6 (PAS), 5½ - 5¾ (PAL), 6.0 (CGS). Rat Islands, Aleutian.				
	eiP	03 39 43.0		MSH	
	iP	40 05.2	D	TEH	9000
	ePP	43 06			
	e S	50 04			
	eSKS	16			
	iP	40 06.6	D	TAB	
	eiP	19.5		KER	
	iP	27.9		SHI	
June 2	P	07 19 19.5		SHI	
June 2	iP	11 34 12.1	C	TAB	
	e P	49		KER	
	e P	35 30		TEH	
	e(S)	36 53			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
June 2	e P	14 44 02		TAB	
June 2	e P	17 40 26		KER	
June 2	eiP	17 42 22.7	C	TAB	
	e P	43 04		KER	
	e P	45		TEH	
	e(S)	45 07			
June 2	P	18 46 42.5		SHI	
June 2	e P	19 35 41		TAB	
June 2	e P	22 56 (28)		SHI	
June 3	P	05 55 38.8		SHI	
June 3	eiP	07 28 23.5		MSH	
June 3	e P	07 53 45		TAB	
June 3	P	11 01 57.5		SHI	
June 3	e P	12 21 31.3		TAB	
June 3	e P	18 50 13		SHI	
June 3	eiP	21 13 10.5		MSH	
	eiS	17.0			
June 3	e P	22 28 19		TAB	
June 3	e P	23 57 (36)		SHI	
June 4	e P	02 19 34		MSH	
June 4	USCGS: 05 11 45.2, 36.3N, 70.9E, h= 207 km. Hindu Kush Region.				
	e P	05 14 03		MSH	
	eiP	15 28.0	C	TEH	1760
	esP	16 21			
	e S	18 13			
	P	15 38.6		SHI	
	ei(S)	18 38			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
	iP	16 07.6		KER	
	e P	09.0	C	TAB	
	iS	19 45.0			
June 4	e P	06 16 46		TEH	
June 4	USCGS: 06 16 57.4, 36.6N, 21.0E, h= 30 km. Mag.= 5.1 (CGS). Mediterranean Sea.				
	e P	06 21 27		TAB	
	e S	25 08			
	e P	21 40		KER	
	eiP	22 12.0	D	TEH	2740
	epP	28			
	e S	26 23			
	P	22 36		SHI	
June 4	P	14 41 16.5		SHI	
June 4	e P	15 07 06		MSH	
June 4	e P	16 09 06		SHI	
June 4	e P	18 27 49		SHI	
June 4	iP	21 05 58.3	D	TAB	
	e P	06 39		KER	
June 4	e P	21 14 08		MSH	
	P	15 58.3		SHI	
June 4	P	21 51 40.0		SHI	
June 4	e P	23 43 44		TAB	
June 4	e P	23 46 58		SHI	
June 4	USCGS: 23 48 17.8, 46.5N, 152.5E, h= 27 km. Mag.= 5.9 (CGS). Kurile Islands.				
	eiP	23 59 08.5		MSH	
	e P	41	C	TEH	8000
	eipP	50.0			
	esP	56			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
June 5	e, S, ePP eSKPPKP	00 09 00 27 22 31 04		TEH	
June 4	iP	23 59 49.0	C	TAB	
June 5	e P P e(S)	00 00 01 01.3 09 34		KER SHI	
June 5	e P	01 16 52		SHI	
June 5	P	02 05 46.8		SHI	
June 5	USCGS: Mag.= 4.4 (CGS).	09 14 05.6, 39.1N, 29.6E, h= 39 km. Turkey.			
	e P P	09 10 14.5 52.0		TEH SHI	2000
June 5	e P	09 55 04		TAB	
June 5	e P	12 53 16		SHI	
June 5	e P	15 13 51		TEH	
June 5	e P	20 57 (39)		SHI	
June 5	e P	22 27 21		TAB	
June 5	e P	22 53 39		TAB	
June 6	e P	00 25 02		TAB	
June 6	e(P)	02 04 31		SHI	
June 6	USCGS: Mag.= 4.9 (CGS).	05 03 20, 40.3N, 53.0E, h= 27 km. Turkmen SSR.			
	iP iS e P e S e P e P	05 04 46.2 05 40.5 26 06 04 07.5 07 56		TAB MSH TEH KER	1290

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
June 6	USCGS: Mag.= 6.4 (PAS), 6.3 (CGS).	07 46 16.2, 36.3N, 71.2E, h= 225 km. Afghanistan USSR Border Region.			
	iP iP e(S) iP iP	07 40 26.0 49 52.5 52 43 50 01.2 30.9 33.4	C C	MSH TEH SHI KER TAB	1800
June 6	P	10 15 32		SHI	
June 6	e P	14 47 32		MSH	
June 6	e P	15 11 25		SHI	
June 6	P	19 44 10.2		SHI	
June 6	USCGS: Mag.= 5.7 (CGS).	20 47 11.5, 9.6N, 126.4E, h= 45 km. Mindanao, Philippine Islands.			
	iP iP e(S) e P e S e P iP S	20 57 54.5 58 27.1 21 07 40 20 58 38 21 08 03 20 58 53 58.8 21 08 47	C C	MSH SHI TEH KER TAB	0050
June 6	e(P)	21 26 18		SHI	
June 6	P e P	23 18 47.0 19 18	C	SHI TAB	
June 6	P e P	23 27 50 28 21.0	C	SHI TAB	
June 7	P e P	00 10 32 11 04		SHI TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
June 7	USCGS: Mag.= 6¼	00 59	46.6, 15.0S,	75.8W, h= 48 km.	
			(PAS), 6 - 6¼ (PAL),	5.5 (CGS).Near Coast of Peru.	
	e P'	01 18	42	KER	
	e P'		44	TAB	
	e P'		54	SHI	
	e P		59	TEH	14880
	eiPP	21	00		
	ePKS	22	18		
June 7	P	05 51	02	SHI	
	e P		33.5	TEH	
	e(S)	52	03		
	e P		26	MSH	
	e(S)	53	32		
June 7	P	07 39	57.0 (D)	SHI	
June 7	USCGS: Mag.= 5.7 (CGS).	11 44	41.5, 24.2N,	122.5E, h= 41 km.	
			Taiwan Region.		
	e P	11 54	20	MSH	
	eiP		55 07.2	SHI	
	e(S)	12 03	28		
	e P	11 55	12	TEH	6950
	e S	12 03	37		
June 7	USCGS: Mag.= 6¼ - 7 (PAS), 6¼ - 7 (PAL), 6.5 (CGS).	13 59	36.0, 11.3N,	139.6E, h= 50 km.	
			West Caroline Islands.		
	iP	14 11	18.0	C	MSH
	i(S)		20 58.0		
	iP	11	52.9	C	SHI
	(S)	22	02		
	iP	11	54.3	C	TEH
	ePP	15	21.0		
	e S	22	05		
	eiP	12	11.5		KER
	iP		12.8	C	TAB
	i(PF)	15	42.2		
	iS	22	45.0		
June 7	P	15 33	50	SHI	
June 7	e P	19 26	24	SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
June 7	USCGS: Mag.= 5.3 (CGS).	22 18	57.4, 5.7S,	105.5E, h= 40 km.	
			Sunda Strait.		
	P	22 29	13.1	SHI	
	e P		24	TEH	7100
	epP		36		
	eiP	30	08.0	TAB	
	e P		52	KER	
June 7	eiP	22 33	10.5	TAB	
June 7	P	23 52	06.0	SHI	
June 8	P	06 00	47.1	C	SHI
June 8	e P	07 26	41		SHI
June 8	e P	09 29	16		TAB
June 8	e P	13 31	(11)		SHI
June 8	P	19 28	17.2		SHI
June 8	USCGS: Mag.= 5.4 (CGS).	19 56	21.3, 53.1N,	171.1E, h= 20 km.	
			Near Islands, Aleutian Islands.		
	eiP	20 07	51.5		MSH
	ei(PP)		10 35.0		
	iP	08	17.5	C	TEH
	iPP	11	09.0		
	e S	18	04		
	eiP	08	18.0	C	TAB
	ei(PP)	11	12.4		
	e P	08	32		KER
	iP		40.8	C	SHI
	e(S)	18	51		
June 8	e P	20 30	52		TEH
	e S		31 41.5		
	eiP		11.5		TAB
	eiS	32	19.7		
	eiP	31	12.5		MSH
	eiS	32	17.5		
	e P	31	39		KER
June 8	e P	21 10	33		TEH

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
June 8	eiF	23 29 51		SHI	
June 9	e(P)	00 19 44		MSH	
	P	20 20.5		SHI	
	e P	48		TEH	
	e P	21 (06)		KER	
	e P	22		TAB	
June 9	e P	02 00 41		TAB	
June 9	e P	02 08 47		SHI	
June 9	e P	02 20 13		MSH	
June 9	F	05 34 37.5		SHI	
June 9	e F	07 07 33		SHI	
June 9	e P	08 04 55		TAB	
	e P	05 (45)		KER	
June 9	e P	09 12 07		SHI	
June 9	e P	11 32 12		MSH	
	P	59.2		SHI	
June 9	iP	12 38 14.0	C	SHI	
June 9	P	13 19 23		SHI	
June 9	e P	13 54 17		TEH	
June 9	USCGS: 15 39 27.8, 44.3N, 147.6E, h= 110 km. Mag.= 5.5 (CGS). Kurile Islands.				
June 9	e P	15 49 57		MSH	
	e(S)	58 31		TEH	7810
	e P	50 32			
	e S	52 37		TAB	
	e P	50 41		SHI	
	F	50.0			
	(S)	16 00 08			
	e P	15 50 51		KER	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
June 9	USCGS: 22 24 39.0, 27.6N, 52.5E, h= 8 km. Mag.= 5.2 (CGS). Southern Iran.				
June 9	e P	22 26 41		TEH	910
	eiS	28 08			
	e P	22 26 42		KER	
	eiF	27 13.0		MSH	
	e P	32		TAB	
June 10	USCGS: 04 25 14.3, 52.ON, 175.OE, h= 33 km. Mag.= 4.9 (CGS). Near Islands, Aleutian Islands.				
June 10	e P	04 37 22		TEH	8870
June 10	e P	09 17 39		TEH	
June 10	P	13 30 48.5	C	SHI	
June 10	P	14 20 06.2		SHI	
June 10	iP	19 23 42.0	C	SHI	
June 10	e P	21 47 14		SHI	
June 10	e P	22 26 30		SHI	
June 10	e P	22 48 09		MSH	
	P	49 21.4	C	SHI	
	iP	23.2	C	TAB	
June 10	e P	33		KER	
	e P	23 14 44		TAB	
June 11	USCGS: 03 01 08.7, 23.6N, 119.9E, h= 33 km. Mag.= 5.2 (CGS). Taiwan Region.				
June 11	e P	03 10 26		MSH	
	P	11 12.6		SHI	
	e(P)	17		TEH	6690
	e S	19 23			
	e P	11 36		TAB	
June 11	e(S)	20 14			
	e P	03 17 35		KER	
June 11	e P	(43)		TEH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
June 11	USCGS: Mag.= 4.9 (CGS).	06 08 49.1,	35.7N,	72.2E	West Pakistan.
	e P	06 11 11		MSH	
	eiP	12 40		TEH	1870
	e P	(50)		SHI	
	eiP	13 28.5		TAB	
June 11	USCGS: Mag.= 4.7 (CGS).	10 21 57,	38.8N,	21.7E,	h= 62 km. Greece.
	eiP	10 26 21.4	D	TAB	
	e P	37		KER	
	e P	27 07		TEH	2660
	e S	31 34			
	P	27 36.2		SHI	
June 11	P	10 58 48.5		SHI	
June 11	USCGS: Mag.= 4.8 (CGS).	12 05 03.2,	37.5N,	21.2E,	h= 51 km. Southern Greece.
	e P	12 09 39		TAB	
	e P	(48)		KER	
	e P	10 16		TEH	
	e(S)	14 41			
	P	10 44		SHI	
June 11	e(F)	15 15 (43)		TEH	
June 11	eiP	15 18 25		TEH	
	e S	36			
June 11	e P	15 18 (59)		TEH	
	eiS	19 10			
June 11	USCGS: Mag.= 5.9 (CGS).	18 13 40.6,	51.6N,	178.4E,	h= 60 km. Andreanof Islands, Aleutian.
	e P	18 26 00		TEH	9240
	eiP	23		SHI	
June 11	e P	18 49 06		MSH	
June 11	e P	22 11 49		TAB	
	iS	53.0			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
June 11	e(P) e P	22 32 10 33 20		MSH SHI	
June 11	e P	23 23 05		SHI	
June 12	e P	00 54 (19)		SHI	
June 12	e P e S e P	03 18 08 56 19 13		TEH SHI	
June 12	iP	04 30 03.9	C	SHI	
June 12	P	12 44 17		SHI	
June 12	e P	14 31 (48)		TEH	
June 12	e P	14 51 24		SHI	
June 12	e P	16 00 55		MSH	
June 12	e P	20 33 26		SHI	
June 12	e P	20 47 00		SHI	
June 13	iP e P e(S) eiP e S e P e S	01 04 36.0 57 06 13 05 17.5 06 52 15 03 49	D	SHI TEH MSH TAB	
June 13	iP	01 26 38.0	C	SHI	
June 13	e P	03 59 05		TEH	
June 13	eiP	04 57 30.5		TAB	
June 13	e P e P e P	07 52 (13) 20 22		SHI TAB MSH	
June 13	e P	09 00 53		TEH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
June 13	USCGS: Mag.= 4.9 (CGS).	11 27	25.4, 37.2N, 72.4E, h= 220 km.	Tadzhik SSR.	
	e P	11 31	11	TEH	1800
	eiP		23	SHI	
	eiP		30.5	MSH	
June 13	e P	11 44	29	TAB	
June 13	e P	13 29	23	TEH	
June 13	e(P)	14 40	15	MSH	
June 13	iP	18 22	46.5	C	MSH
June 13	USCGS: Mag.= 6¼ (PAS), 6.1 - 6.4 (BRK), 6.2 (CGS).	18 08	38.4, 12.9S, 167.1E, h= 259 km.	Santacrus Islands.	
	P'	18 26	54.3	C	SHI
	eiP'		57.0	C	TEH
	eSKS	33 36			
	eSKKS	34 50			
	eiP'	27 02.5		KER	
	iP'		04.1	C	TAB
June 14	P	00 13	11.3	SHI	
June 14	e P	00 45	58	SHI	
June 14	iP	02 26	02.0	TEH	
	iS		09.5		
June 14	iP	02 46	41.0	C	TAB
	iS	47	31.0		
	e P		14	KER	
	i(S)	48	50.0		
	e P		44	TEH	
	e(S)	48	55		
	eiP		40	SHI	
	eiP	49	09.0	MSH	
June 14	P	07 53	05	SHI	
	S		31		

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
June 14	e P	10 39 (31)		KER	
	eiP		56.1	D	TAB
June 14	eiP	16 50	21.0	MSH	
	iP		40.9	C	SHI
	e P	51 10		KER	
	eiP		17.5	TAB	
June 14	e P	16 59	00	MSH	
	e P	17 00	32	KER	
June 14	USCGS: Mag.= 5.1 (CGS).	21 03	48.3, 30.7N, 138.7E, h= 397 km.	South of Nonshu, Japan.	
	eiP	21 13	46.0		MSH
	e P	14 26			TEH
	iP		34.2	D	SHI
	e(S)	23 23.5			
	eiP	14 41.4		D	TAB
June 14	e P	21 32	11	TAB	
	iS		20.0		
June 14	e P	23 48	27	TEH	
June 15	P	00 12	27.0	SHI	
June 15	USCGS: Mag.= 7½ (PAS), 7 - 7.3 (BRK), 7½ - 7¾ (PAL), 6.1 (CGS). Solomon Islands, Felt on Guadalcanal, Malaita and San Cristobal.	00 59	45.8, 10.4S, 160.3E, h= 31 km.		
	eiP	01 13	52.0		MSH
	e P	14 (12)			TEH
	e P'	18 09			
	e(PF)	19 03			
	e(P)	14 17			SHI
	e(P)		36		TAB
	e(P)	18 27			
	e(P)	17 41			KER
June 15	e P	01 51	40	TAB	
	e(P)		(40)		KER
June 15	e P	18 15 (13)		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
June 15	e P e P	21 40 11 58		TAB KER	
June 16	eiP	02 44 03	D	TAB	
June 16	e P	02 55 15		MSH	
June 16	e P	03 35 29		SHI	
June 16	e P	10 06 44		MSH	
June 16	P	17 05 49.0	C	SHI	
June 16	e P	17 13 (45)		TEH	
June 16	e(F)	19 32 32		SHI	
June 16	e P eiP	22 39 42 55.2		KER SHI	
June 16	iP	23 45 08.0	C	SHI	
June 17	P	00 13 57.1	C	SHI	
June 17	e P	01 04 06		SHI	
June 17	e P	08 59 44		SHI	
June 17	eiP	12 58 12		SHI	
June 17	P	18 38 56.2		SHI	
June 17	iP	20 16 15.1	C	SHI	
June 17	e P	23 02 37		SHI	
June 18	e P	05 31 32		SHI	
June 18	P	09 28 52		SHI	
June 18	P	09 57 19.5		SHI	
June 18	e P	19 01 56		SHI	
June 18	e P e P	19 28 07 29 05		MSH TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
June 18	e P	20 53 37		TAB	
June 19	e P	01 16 (28)		SHI	
June 19	e P	05 44 11		SHI	
June 19	e P e S	10 49 50 50 27		TAB	
June 19	e P	16 41 53		TAB	
June 19	e P	16 54 09		TAB	
June 19	USCGS:	17 55 32.3, 38.6N, 27.4E, h= 31 km. Mag.= 4.8 (CGS). Turkey, Minor damage, Felt at Menemen.			
	e P	17 59 07		TAB	
	e P	25		KER	
	e P	56		TEH	2130
	eiS	18 03 07			
	eiP	00 34		SHI	
June 19	P	18 29 12		SHI	
June 19	USCGS:	19 28 43.1, 51.7N, 176.2W, h= 57 km. Mag.= 5.2 (CGS). Andreanof Islands, Aleutian Islands.			
	e P	19 41 07		TAB	
	e P	08	C	TEH	9320
	P	30		SHI	
June 19	e P	20 01 36		MSH	
June 19	e P	21 12 45		SHI	
June 19	P	22 56 33		SHI	
June 19	iP	23 46 51.5		TAB	
June 19	e P	23 58 40		KER	
	e P	59 04		TEH	
	e(S)	00 00 00			
	e P	23 59 (04)		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
June 20	eiP	00 29 19.5		KER	
	iS	29.2			
	e P	50		TEH	
	e(S)	30 52			
	e P	16		TAB	
June 20	e S	31 11			
	e P	01 29 08		TAB	
June 20	eiS	19.8			
	e P	01 32 30		MSH	
June 20	e P	09 58 55		SHI	
June 20	P	16 01 35		SHI	
June 20	e P	16 30 34		SHI	
June 20	iP	16 18 48.2	C	SHI	
June 21	e(P)	01 02 11		MSH	
	eiP	03 27.6	C	TAB	
June 21	e P	04 02 (03)		TEH	
June 21	eiP	19 48 51.5		MSH	
	eiP	50 31		SHI	
	iP	51 08.2		TAB	
June 21	e P	22 04 50		SHI	
June 21	iP	22 58 24.4		KER	
	iS	42.0			
	iP	53.7	C	TAB	
	iS	59 39.4			
	e P	24		TEH	
June 21	e S ₁	23 00 (05)			
	eiS ₂	24			
	e P	22 59 56		SHI	
June 21	USCGS:	23 06 25.9, 50.1N, 157.8E, h= 14 km.			
		Mag.= 5 $\frac{1}{4}$ - 5 $\frac{1}{2}$ (PAL), 5.8 (CGS).			Kurile Islands.
June 21	eiP	23 17 25.5		MSH	
	eiP	55	C	TEH	8050
June 21	e S	27 34			
	eiP	18 00.6		TAB	
	iP	18.2	C	SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
June 22	e P	13 12 39		TEH	
	e S	46			
June 22	e P	15 56 03		SHI	
June 22	P	19 02 02.5		SHI	
June 22	USCGS:	20 29 03.6, 7.2S, 124.6E, h= 507 km.			
		Mag.= 6.1 (CGS).			Banda Sea.
June 22	iP	20 39 53.2	D	MSH	
	iP	40 12.0	D	SHI	
	e(S)	49 16			
	iP	40 26.1	D	TEH	9100
	iPcP	31.2			
	eipP	42 18.5			
	eiPP	44 00.5			
	epPP	45 06			
	e S	49 41			
	iP	40 40.7		KER	
	e(S)	50 10			
	iP	40 49.2	D	TAB	
	i(S)	50 24.2			
June 22	e P	21 06 51		TAB	
June 22	e P	21 57 09		MSH	
June 23	P	00 30 19.9		SHI	
June 23	USCGS:	05 01 42.4, 43.8N, 139.9E, h= 218 km.			
		Mag.= 5.5 (CGS).			Eastern Sea of Japan.
June 23	eiP	05 12 04.0	D	TEH	
	ePP	14 29			
	iP	12 21.5	D	SHI	
	e P	27		KER	
June 23	e P	07 05 11		MSH	
June 23	P	09 46 18		SHI	
June 23	eiP	17 41 03.5		MSH	
June 23	e P	17 44 18		MSH	
	e S	45 20			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
June 23	P	18 19 49.0		SHI	
June 23	P	22 03 10.2		SHI	
June 24	eiP	07 09 09.2		SHI	
June 24	e P	15 32 22		MSH	
June 24	P	17 12 51.2		SHI	
June 24	USCGS: 22 34 24.7, 38.8N, 21.6E, h= 25 km. Mag.4.6 (CGS). Greece.				
	eiP	22 38 52.6		TAB	
	e P	39 07		KER	
	e P	38		TEH	2650
	e S	43 53			
	e P	40 06		SHI	
June 24	P	22 56 47		SHI	
June 25	USCGS: 01 46 10.4, 29.6N, 142.1E, h= 49 km. Mag.= 5.5 (CGS). South of Honshu, Japan.				
	eiP	01 57 04.5		MSH	
	eiP	43.0	C	TEH	8160
	e S	02 07 16			
	iP	01 57 51.6	C	SHI	
	e(S)	02 07 31			
	iP	01 57 58.3	C	TAB	
	eiP	58 03		KER	
June 25	e P	04 34 32		TAB	
June 25	e P	05 49 11		SHI	
June 25	e P	07 21 52		KER	
	iS	22 16.8			
	e P	14		TAB	
	e P	(44)		TEH	
June 25	e P	11 43 45		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
June 25	USCGS: 11 52 18, 32.7N, 48.5E, h= 33 km. Mag.= 4.7 (CGS). Western Iran.				
	eiP	11 52 55.5		KER	
	iS	53 26.3			
	e P ₁	17		TEH	430
	e P ₂	24			
	e P ₃	33			
	e S ₁	54 14			
	eiS ₂	22			
	e P	53 23		SHI	
	e P	54 47		MSH	
June 25	e P	11 54 47		MSH	
June 25	e P	13 21 38		KER	
June 25	eiP	13 54 37		KER	
	iS	56.9			
June 25	e P	14 06 35		KER	
	eiS	07 21.5			
June 25	eiP	14 17 35.5		KER	
	iS	55.9			
	e P	18 21		TEH	
	P	(46)		SHI	
June 25	e P	21 05 53		KER	
June 25	e P	23 56 30		KER	
June 26	P	11 03 03.9		SHI	
June 26	iP	12 13 20.0		SHI	
June 26	iP	12 47 42.6		SHI	
June 26	e P	13 19 21		KER	
	e P	31		TAB	
	e S	21 35			
	e P	20 38		SHI	
June 26	e(P)	13 23 26		TEH	
June 26	eiP	16 25 16		MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
June 26	eiP	17 03 57		SHI	
June 26	eiP	17 56 12.2		SHI	
June 26	iP	18 21 06.2	C	SHI	
June 26	iP	18 23 22.3	C	SHI	
June 26	P	23 38 59.5		SHI	
June 27	e P	02 07 58.5		SHI	
June 27	eiP	06 05 35.5		MSH	
	e S	06 17		TEH	
	e P	07 41		TEH	
June 27	e P	08 12 22		TEH	
June 27	e(P)	09 05 07		MSH	
June 27	USCGS: 10 41 08.6, 29.7N, 80.9E, h= 37 km. Mag.= 5 $\frac{1}{4}$ (PAS), 6 $\frac{1}{4}$ - 6 $\frac{1}{2}$ (PAL), 6.1 (CGS). Nepal India Border Region, 80 killed, many injured, major damage at Baitadi, Darchula and Chainpur, Nepal.				
	iP	10 45 29.0	C	MSH	
	ei(S)	48 57.0		SHI	
	eiP	46 27.0		TEH	2830
	e P	10 46 35	C	KER	
	e S	51 06		TAB	
	e P	47 06		TAB	
	iP	16.0	C		
June 27	USCGS: 10 59 18.1, 27.9N, 81.0E, h= 40 km. Mag.= 6 (PAS), 6 $\frac{1}{2}$ - 6 $\frac{3}{4}$ (PAL), 6.0 (CGS). Nepal India Border Region.				
	iP	11 03 40.0	D	MSH	
	ei(S)	07 13.0		TEH	2850
	eiP	04 46.0	C	TAB	
	eiS	09 24			
	eiP	05 15.1			
June 27	P	11 27 02.8	D	SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
June 27	USCGS: 13 55 51.9, 29.6N, 80.8E, h= 35 km. Mag.= 5.4 (CGS). Nepal India Border Region.				
	e P	14 00 13		MSH	
	P	01 10.8	(C)	SHI	
	e P	19		TEH	2830
	e P	50		KER	
June 27	eiP	22 06 14.5		SHI	
	e P	18		TEH	
	e P	20		KER	
	e P	23		TAB	
June 27	P	22 55 39		SHI	
June 28	P	03 57 17.2		SHI	
June 28	eiP	04 10 05.5		SHI	
June 28	e P	08 57 12		TAB	
June 28	e P	12 44 (20)		KER	
June 28	e P	12 57 56		TEH	
	e S	58 03			
June 28	P	15 48 49.2	C	SHI	
June 28	e P	16 39 21		KER	
June 28	eiP	16 57 22.0		MSH	
	eiP	58 11		SHI	
	e P	32		KER	
June 29	P	00 47 31.6		SHI	
June 29	e P	00 54 (30)		KER	
June 29	e P	05 41 21		TEH	
	eiS	42 11.5		MSH	
	eiP	41 26.5		MSH	
	e S	42 20		TAB	
	e P	27		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
June 29	USCGS: 06 57 58.1, 49.9N, 78.0E, h= 0 km. Mag.= 5.8 (CGS). Eastern Kazakh SSR.				
	eiP	07 02		MSH	
	eiP	03	C	TEH	2700
	eiP			TAB	
	iP		C	SHI	
June 29	iP	09 03		TAB	
	iS	04			
	eiP			MSH	
June 29	e P	14 08		KER	
	iS	09			
	e P			TEH	
	e(S)	10			
June 29	e P	14 11		TAB	
June 29	e P	22 05		MSH	
	iP			TAB	
	(P)	06		SHI	
June 29	eiP	23 00		MSH	
	eiP	01		SHI	
	e P	02		KER	
	e P			TAB	
June 30	iP	06 11	D	SHI	
June 30	eiP	09 09		TEH	
	eiP			TAB	
	iP		D	SHI	
	eiP			KER	
June 30	P	09 37		SHI	
June 30	USCGS: 12 27 41.9, 9.8N, 12.6E, h= 44 km. Mag.= 5.4 (CGS). Mindanao Philippine Is.				
	eiP	12 38		MSH	
	e P			SHI	
	e P	39 05		TEH	8030
	e S	48			
	iP	39 30.0	C	TAB	
	S	49 18			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
June 30	e P	12 58		TEH	
June 30	e P	13 26		TAB	
June 30	e P	15 54		MSH	
	e P	55		SHI	
	e P	56		KER	
June 30	e(P)	19 17		MSH	
June 30	eiP	21 57		TAB	
June 30	e P	22 33		TAB	

4 JUL 1969



SUPPLEMENT TO REPORT

No. 41 , PART II

November 1967

Presented by the
INSTITUTE OF GEOPHYSICS
TEHRAN UNIVERSITY

(Tehran University Press)

Date	Phase	Time (GMT)	L.R.	Mag.	Loc. (km)
July 1	e.P.	00 43 27		4.0	
July 1	IP	05 59 58.5	C	MSB	
July 1	eIP	06 00 31.0		MSB	
	IP	06 00 54.5		TRB	
	e(S)	08 39			
	e(S2)	30 08			
	P	00 45.5		SHI	
	IP	01 05.5		SHI	

SUPPLEMENT TO REPORT NO.41

PART II

NOV. 1967

July 1	e.P.	10 37		MSB	
July 1	e.P.	10 33 (58.2)		SHI	
July 1	e.P.	04 22		SHI	
July 1	USCGS:	17 26 14, 34.08, 36.05, h= 33 km.			
	Mag. = 4.0 (CGS), Arabian Sea.				
	P	17 29 59.5		SHI	
	e.P.	31 12		SHI	
	e.P.	14		MSB	
	e.P.	14		TRB	0130
	e.S	35 17			
July 1	USCGS:	19 05 26.5, 52.38, 174.28, h= 58 km.			
	Mag. = 5.0 (CGS), near Islands, Johnston Is.				
	eIP	19 17 58.5	C	TRB	0130
	IP	19 18 51.5	C	SHI	
July 1	e.P.	10 37		MSB	
July 1	e.P.	19 59 56		TRB	
	e.S	20 00 47			
	IP	01.5	C	MSB	
	eIP	01 18.5			
July 1	e.P.	20 30 26		TRB	
	e.S	30			
July 1	eIP	22 03 53.5		SHI	

JULY 1966.

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
July 1	e P	00 48 27		TAB	
July 1	iP	05 59 58.2	C	MSH	
July 1	eiP	06 00 21.0		MSH	
	iP	44.5		TEH	
	e(S)	08 59			
	e(FP)	30 06			
	P	00 45.5		SHI	
	iP	01 08.2		KER	
	iP	01 08.4	C	TAB	
	iS	09 42.8			
July 1	e P	06 29 (47)		KER	
July 1	P	10 33 (58.2)		SHI	
July 1	e P	16 04 12		KER	
July 1	USCGS:	17 26 14, 14.ON, 56.9E, h= 33 km.			
	Mag.= 4.9 (CGS).	Arabian Sea.			
	P	17 29 59.3		SHI	
	e P	31 12		KER	
	e P	14		MSH	
	e P	14		TEH	2520
	e S	35 17			
July 1	USCGS:	19 05 26.5, 52.3N, 174.2E, h= 56 km.			
	Mag.= 5.0 (CGS).	Near Islands, Aleutian Is.			
	eiP	19 17 28.5	C	TEH	8830
	iP	51.2	C	SHI	
July 1	e P	19 37 31		MSH	
July 1	e P	19 59 56		TEH	
	e S	20 00 47			
	iP	01.8	C	MSH	
	eiS	01 48.5			
July 1	e P	20 20 26		TEH	
	e S	40			
July 1	eiP	22 23 55.5		SHI	



Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
July 3	e P	12 50 58		MSH	
July 3	e P	13 04 05		TEH	
July 3	P	14 02 42.5	C	SHI	
July 3	e P	14 43 37		SHI	
July 4	e P	03 07 26		MSH	
	eiP	46.2		TAB	
	e P	48		TEH	
	e P	08 (08)		KER	
	iP	10.9	C	SHI	
July 4	e P	07 13 55		SHI	
July 4	e P	08 49 34		MSH	
July 4	e P	10 13 (02)		SHI	
July 4	USCGS: 12 15 28.1, 37.5N, 24.8W, h= 33 km. Mag.= 5.5 (CGS). Azores Islands Region.				
July 4	e P	12 25 30		TEH	6600
	e(S)	33 17			
	P	25 54.4		SHI	
	eiP	26 08.0		MSH	
	eiP	56.5	D	TAB	
	S	32 40			
July 4	e P	14 24 51		MSH	
	e P	26 28		SHI	
July 4	eiP	15 10 37.2		SHI	
July 4	iP	16 00 31	D	TAB	
	S	57			
July 4	e(P)	16 14 15		MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
July 6	e P	11 59 44		MSH	
	P	12 01 39		SHI	
July 6	USCGS: 13 59 14.8, 43.9N, 83.2E, h= 33 km. Mag.= 4.8 (CGS). Northern Sinkiang Prov., China.				
July 6	eiP	14 03 43.0		MSH	
	e P	04 46		TEH	2890
	e S	09 37			
	P	05 07.8			
July 6	e P	16 43 25		SHI	
July 6	iP	16 59 08.5	D	MSH	
	eiS	36.0			
July 6	e P	17 00 06		TEH	
	e S	01 05			
July 6	e P	19 43 16		MSH	
	e P	19		SHI	
July 6	e P	20 32 21		SHI	
July 7	iP	08 42 37.2	D	SHI	
July 7	iP	14 05 19.0		TAB	
	e P	06 45		KER	
July 7	eiP	19 02 42.5		MSH	
July 7	eiP	19 04 19.5		MSH	
	e P	30		SHI	
July 7	e P	19 25 46		TEH	
July 7	e P	20 12 00		KER	
July 7	e P	22 15 36		TEH	
	e S	48			
July 8	e P	00 02 17		TAB	
	e S	03 06			
	e P	03 05		KER	



Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
July 9	e P	02 40 23		MSH	
July 9	e P e S	06 22 14 49		TAB	
July 9	iP	08 32 22.9	C	SHI	
July 9	e P e S	14 37 56 38 44		TEH	
July 9	e P	14 40 52		MSH	
July 9	e P e P eiS e P e(S) e P	17 02 54 04 04 07 12.0 04 07 06 27 04 24		SHI MSH TEH KER	
July 9	e P	19 30 04		SHI	
July 9	e P eiP e S e P	19 53 05 44.9 54 18 53 54	D	KER TAB TEH	
July 10	P	01 42 52.2		SHI	
July 10	P	02 04 23.7		SHI	
July 10	e P e S e P	05 57 52 58 48 59 18		TEH MSH	
July 10	USCGS: 10 00 39.1, 30.5S, 177.9N, h= 40 km. Mag.= 5 - 5.4 (BRK), 5.8 (CGS). Kermadec Islands Region.				
	e P ¹ e P ¹ e P ¹ ePKS e P ¹	10 19 51 58 20 02 23 38 20 06		MSH SHI TEH TAB	15440
July 10	eiP	14 48 20.0		MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)	
July 11	USCGS: 22 46 05.7, 19.2S, 173.6W, h= 120 km. Mag.= 4.7 - 5.3 (BRK), 5.6 (CGS). Tonga Islands.					
	e P'	23 05 20		KER		
	e P'	23 05 20		SHI		
	e P'		21	TAB		
	e P'		22	TEH	15730	
	e P'	07 24		MSH		
July 12	USCGS: 00 04 12, 38.9N, 41.3E, h= 66 km. Mag.= 4.6 (CGS). Turkey.					
	iP	00 05 17.8	D	TAB		
	e P		47	KER		
	e P	06 38		TEH	1220	
	e P	07 17		SHI		
July 12	USCGS: 02 56 23.5, 35.5N, 22.4E, h= 15 km. Mag.= 4.9 (CGS). Mediterranean Sea.					
	eiP	03 00 49.8		TAB		
	e(S)	04 38				
	e P	01 00		KER		
	eiP		34	C	TEH	2630
	e S	05 57				
	iP	01 57.8	C	SHI		
e P	03 13		MSH			
July 12	eiP	03 23 46.5		KER		
	iS		52.5			
	e P	25 12		TAB		
July 12	e P	09 31 49		MSH		
July 12	iP	09 50 17.6		KER		
	iS		23.0			
July 12	eiP	10 09 49		SHI		
July 12	e P	13 08 52		TEH		
	eiS	09 01				
July 12	e P	14 08 18		MSH		
	iP		25.2	C	SHI	
	iP		47.5	D	TAB	
	e P	09 42		KER		
	e P		54	TEH		
	e S	10 52				

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
July 13	e(P)	22 31 56		SHI	
July 14	e P	00 54 25		SHI	
July 14	iP	03 10 18.6	D	TAB	
	iS	30.8			
	e P	11 25		KER	
July 14	e P	03 31 32		MSH	
	e P	05 37 53		SHI	
July 14	e P	05 58 (03)		KER	
	e P	10		MSH	
	e P	49		TEH	
July 14	USCGS: 06 18 47.6, 35.6N, 140.0E, h= 71 km. Mag.= 5.0 (CGS). Near S of Coast of Honshu, Japan.				
	e P	06 26 42		SHI	
	e P	29 52		TEH	7710
	e S	38 51			
July 14	iP	08 25 56.6	D	TAB	
	iS	26 10.0			
July 14	e P	08 52 20		SHI	
July 14	e P	09 29 04		MSH	
July 14	P	10 09 42.0		SHI	
July 14	e P	15 40 36		SHI	
July 14	USCGS: 18 07 04.1, 53.1N, 171.1E, h= 29 km. Mag.= 5.2 (CGS). Near Islands, Aleutian Islands.				
	eiP	18 18 57	C	TEH	8600
	eiP	19 21		SHI	
July 14	e P	20 12 35		SHI	
	e P	53		KER	
July 14	e P	23 23 04		KER	
	e P	35		SHI	
July 14	e P	23 37 47		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
July 15	e P eiS	01 45 40 46 06.0		TAB	
July 15	iP iS	05 13 00.3 57 10.5		SHI	
July 15	e P	09 53 36		MSH	
July 15	P	10 44 20.0		SHI	
July 15	e P e P	17 42 14.5 43 16		SHI KER	
July 15	e P	18 10 25		SHI	
July 15	e P	19 11 24		SHI	
July 15	P	20 37 48.2		SHI	
July 15	eiP eiS	23 00 18.5 47.5		MSH	
July 15	e P	23 27 36		TAB	
July 15	e P	23 55 55		SHI	
July 16	iP iP e P e P	00 45 15.9 41.0 46 11 18	C C	MSH SHI KER TAB	
July 16	P e P e P e P e(S)	01 50 01.0 51 51 14 52 02 01 10		SHI KER TEH TAB TAB	
July 16	eiP	02 03 52		SHI	
July 16	P	16 44 18		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
July 16	USCGS:	19 43 27.4, 40.7N, 74.2E, h= 33 km. Mag.= 4.8 (CGS).		Kirgiz, Sinkiang Border Region.	
	e P e P e S e P e P e P	19 46 18 47 56 51 23 48 07 17 24		MSH TEH SHI TAB KER	2160
July 17	iP e P e P e(S)	01 51 26.6 53 (12) 23 55 12	D	SHI KER TEH	
July 17	e P	03 53 40		MSH	
July 17	e P	10 39 28		SHI	
July 17	(P) e P eiS	10 52 40.8 11 41 36 42 25.5		SHI TAB	
July 17	e P eiS	22 36 42 37 30.5		TAB	
July 17	eiP	23 21 07.2		SHI	
July 18	P	01 59 55		SHI	
July 18	USCGS:	01 55 02.1, 8.4N, 58.5E, h= 33 km. Mag.= 4.9 (CGS).		Carlsberg Ridge.	
	e P e P e P e S e P	02 00 53 53 55 05 41 02 01 26		KER MSH TEH TAB	3160
July 18	e P	02 04 04		SHI	
July 18	P	02 15 15.8		SHI	
July 18	P	05 28 49.3		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (km.)
July 18	e P eiS	08 48 17 25.0		TEH	
July 18	USCGS: Mag.= 5.1 (CGS).	09 59 10, 13.1N, 57.6E, h= 33 km. Arabian Sea.			
	P	10 03 07.8		SHI	
	e P	04 15		KER	
	e P	17		TEH	2160
	e S	08 32			
	iP	04 18.5	C	MSH	
	eiP	50.0	D	TAB	
	e(S)	09 30			
July 18	P	19 36 58.9		SHI	
	e P	38 00		KER	
	e P	02		TEH	
	e(P)	39 11		MSH	
July 18	eiP	19 42 35.7		SHI	
	e P	43 35		TEH	
	e P	44 05	D	TAB	
July 18	USCGS: Mag.= 5.1 (CGS).	22 15 38, 38.3S, 93.7W, h= 33 km. West Chile Rise.			
	e P'	22 35 24		SHI	
	eiP'	25.5	C	TAB	
	e P'	26		TEH	17110
July 18	e P	22 54 58		TAB	
	e P	55 06		SHI	
July 19	e P	00 29 45		MSH	
	P	30 48		SHI	
July 19	USCGS: Mag.= 6 - 6 $\frac{1}{4}$ (PAS), 6 - 6.3 (BRK), 6 (PAS), 5.4 (CGS).	01 40 53.9, 56.2N, 164.9E, h= 181 km. Kamadorsky Islands Region.			
	e P	01 51 56		MSH	
	eiP	58.5			
	eiP	52 22.0	D	TEH	8060
	e S	02 01 48			
	iP	01 52 23.0	D	TAB	
	e(S)	02 01 48			
	P	01 52 37		KER	
	P	47.2		SHI	
	e(S)	02 02 34			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
July 19	USCGS: Mag.= 4.5 (CGS).	03 28 53, 36.2N, 71.4E, h= 138 km. Afganistan USSR Border Region.			
	e P	03 31 51		MSH	
	e S	32 40			
	e P	58		TEH	2020
July 19	P	10 56 18.9		SHI	
July 19	e P	14 51 18		TAB	
	iS	24.0			
July 19	e P	16 09 52		MSH	
	iP	11 06.9	C	SHI	
July 19	e P	16 17 20		TAB	
	eiS	35.0			
July 19	iP	17 47 16.0		TAB	
	iS	27.5			
July 19	e P	17 58 21		SHI	
July 19	eiP	18 23 00.2		SHI	
July 19	P	18 31 44.1		SHI	
July 19	USCGS: Mag.= 5.5 (CGS).	19 20 33.4, 31.7N, 173.3W, h= 47 km. Andereanof Islands, Aleutian Islands Felton Adak.			
	iP	19 32 45.0	C	MSH	
	eiP	33 01.8	C	TAB	
	eiP	03.5	C	TEH	9290
	ei(S)	43 27			
	e P	33 16		KER	
	P	26.1	C	SHI	
	(S)	43 55			
July 19	P	20 59 41.8	C	SHI	
July 20	e P	07 51 36		TAB	
	iS	40.0			
July 20	eiP	09 35 12		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
July 20	e P eiP	10 20 08 34.5	C	SHI TAB	
July 20	e P	11 15 36		SHI	
July 20	P	11 27 00		SHI	
July 20	e P iS	12 20 09 14.5		TAB	
July 20	e P eiS	14 43 52 59.5		TEH	
July 20	e P	18 03 12		SHI	
July 20	e P	20 18 03		SHI	
July 20	P S	22 19 53.2 20 01		TEH	
July 20	e P	22 53 59		TAB	
July 21	e P	01 06 34		MSH	
July 21	USCGS: Mag.= 5.8 (CGS).	03 57 57.8, 49.7N, 77.3E, h= 0 km. Eastern Kazahk, SSR.			
	eiP eiP eiP e P	04 03 18.0 32.5 52.0 06 50	C	TEH TAB SHI MSH	2600
July 21	eiP	05 15 32		SHI	
July 21	e P	05 29 29		SHI	
July 21	P	05 51 58.0		SHI	
July 21	USCGS: Mag.= 5.3 (CGS).	09 02 27.2, 52.0N, 170.0W, h= 30 km. Fox Islands, Aleutian Islands.			
	e P P	09 15 03 27.0		TEH SHI	9490

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
July 21	USCGS: Mag.= 4.7 (CGS).	10 02 48.3, 51.5N, 173.3W, h= 42 km. Andereanof Islands, Aleutian Islands.			
	e P	10 15 19		TEH	9420
July 21	eiP e S	11 51 23.0 29		MSH	
July 21	e P	14 37 27		SHI	
July 21	USCGS: Mag.= 6 (PAS), 5 - 5.3 (BRK), 5.6 (CGS).	18 30 14.9, 17.8S, 178.6W, h= 591 km. Fiji Is. Region.			
	e P' e(P) e P' e P' e P' ei(pP)	18 48 10 13 18 23 24 50 55.5		SHI MSH TAB KER TEH	14660
July 21	eiP eiP	18 50 13.5 51 09.5	C	MSH TAB	
July 21	eiP eiS e P	19 13 19.5 33.5 55		TEH KER	
July 22	e P	01 24 05		TAB	
July 22	P	02 02 15		SHI	
July 22	eiP e P iP iP	03 44 35.5 45 38 58.6 46 03.8	C D	MSH TEH SHI TAB	
July 22	iP iS e P e S e P e S	08 22 49.7 23 05.5 32 24 11 23 36 24 21	D	TAB KER TEH	
July 22	P e P iP eiS	08 44 23.0 32 34.4 45 16.8	C	SHI KER TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
July 22	USCGS:	10 17	22.5, 51.7N, 173.5W, h= 56 km.		
			Mag.= 5.4 (PAL), 5.6 (CGS). Andereanof Islands, Aleutian Islands Felton Adak.		
	e P	10 29	33	MSH	
	iP		34.5 C		
	iP		50.5 D	TAB	
	eiP		52.0 C	TEH	9460
	eSKS	40 17			
	eiS		33		
	e P	30 04		KER	
	e P		12	SHI	
July 22	e P	13 45	05	TAB	
	iS		23.0		
July 22	eiP	15 08	53	SHI	
July 22	e P	17 20	44	MSH	
	e S		21 26		
	e P		20 57	TEH	
	e S		21 51		
July 22	eiP	20 38	05.0	TAB	
	iS		23.4		
July 22	e P	20 56	27	SHI	
July 22	eiP	23 20	29.5	TAB	
	eiS		46.5		
July 23	e P	03 46	00	SHI	
	e P		49 40	TAB	
July 23	USCGS:	05 46	23, 7.1S, 130.0E, h= 89 km.		
			Mag.= 5.1 (CGS). Banda Sea.		
	iP	05 58	38.2 C	SHI	
	e(S)	06 08	45		
	e P	05 58	51	TEH	9470
July 23	e P	06 21	29	TEH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
July 23	USCGS:	08 26	10.1, 51.9N, 173.5W, h= 33 km.		
			Mag.= 4.7 (CGS). Andereanof Islands, Aleutian Islands.		
	e P	08 38	49	TEH	9560
July 23	e(P)	03 58	08	MSH	
July 23	e P	10 33	32	MSH	
	e P		34 40	SHI	
July 23	e P	14 34	33	KER	
July 23	USCGS:	14 31	51.2, 51.7N, 173.5W, h= 55 km.		
			Mag.= 5.3 (CGS). Andereanof Islands, Aleutian Islands.		
	e P	14 44	02	MSH	
	iP		19.0 C	TAB	
	ei(S)		54 43		
	eiP		44 21.0 C	TEH	9450
	eSKS		54 44		
	e(S)		55 00		
	P		44 43.9	SHI	
	e(S)		55 10		
July 23	e P	17 47	18	MSH	
	e P		48 41	SHI	
July 23	USCGS:	20 12	00.1, 51.8N, 173.5W, h= 36 km.		
			Mag.= 4.9 (CGS). Andereanof Islands, Aleutian Islands.		
	e P	20 24	29	TAB	
	eiP		31.5 C	TEH	9410
	P		54	SHI	
July 23	P	23 57	16.2	SHI	
July 24	e P	03 57	(55)	TEH	
July 24	e P	05 02	(43)	TEH	
July 24	USCGS:	05 07	40, 30.1N, 69.9E, h= 9 km.		
			Mag.= 4.3 (CGS). West Pakistan.		
	e P	05 11	(53)	TEH	1830
	e P		13 05	MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
July 24	e P	08 14 44		MSH	
July 24	e P	09 42 21		SHI	
July 24	e P e S	12 50 19 53		TAB	
July 24	e P e S	14 50 (51) 48		TEH	
July 24	e P	16 53 09		MSH	
July 24	e P	17 37 26		SHI	
July 24	e P	20 38 21		SHI	
July 25	eiP	09 20 05.5		SHI	
July 25	USCGS: 09 18 36.7, 52.1N, 170.0W, h= 31 km. Mag.= 4.3 (CGS). Fox Islands, Aleutian Islands.				
	e P	09 31 14		TEH	9530
	P	36.8		SHI	
July 25	e P	12 20 35		MSH	
July 25	e P	14 46 35		TEH	
July 25	e P e S	14 50 (41) 48		TEH	
July 25	e P iS e P e P ₁ e P ₂ e S ₁ e S ₂ e P e S	15 07 45 08 18.1 08 00 02 11 52 09 06 08 48 10 24		KER SHI TEH TAB	
July 25	e P P e S P	17 11 59 12 19 13 20 12 28.5		KER TEH SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
July 26	e P e P	00 11 55 12 41		TAB KER	
July 26	e P	01 32 50		TEH	
July 26	e P	04 00 19		SHI	
July 26	e P	04 29 54		MSH	
July 26	P	06 46 23		SHI	
July 26	eiP e S	15 17 41.0 19 24		MSH	
July 26	e P	18 44 55		TAB	
July 26	e P e P eiP	22 58 (52) (56) 59.3		SHI KER TAB	
July 26	e P	23 02 11		SHI	
July 27	eiP e S	00 49 34.3 47		MSH	
July 27	P e P	05 08 06.0 19		SHI MSH	
July 27	e P	11 39 27		SHI	
July 27	USCGS: 14 49 02.0, 32.6N, 48.8E, h= 36 km. Mag.= 5.5 (CGS). Western - Iran.				
	iP iS eiP ₁ iP ₂ iS P eiP e P	14 44 40.3 50 14.0 50 01.5 07.5 59 50 08.2 30.3 51 17		KER TEH SHI TAB MSH	420
July 27	e P e S	15 13 55 14 31		TEH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
July 27	USCGS:	15 30	26.4, 32.6N, 48.8E, h= 45 km.		
			Mag.= 3.9 (CGS).	Western Iran.	
	eiP	15 31 03		KER	
	iS		40.6		
	eiP ₁	31 24.5		TEH	420
	iP ₂		31.5		
	eiS ₁	32 19.5			
	iS ₂		27.5		
	e P	31 32		SHI	
	e P	32 01		TAB	
	e(P)		58	MSH	
July 27	e P	15 31 32		SHI	
July 27	e P	15 43 37		TEH	
	e S		44 31		
	e P		44 25	KER	
July 27	e P	15 47 52		TEH	
	e S		48 51		
	P	47 57.6	C	SHI	
	e P		48 41	TAB	
July 27	e P	16 09 30		TEH	
	e S		10 22		
July 27	e P	16 16 00		TEH	
	e S		56		
July 27	e P	16 37 08		TEH	
July 27	e P	16 54 48		MSH	
	e S		57		
July 27	eiP	16 55 37.5		MSH	
	e S		44		
July 27	e P	16 58 27		KER	
	e P ₁		46	TEH	
	iP ₂		52.5		
	e S ₁	59 42			
	e S ₂		50.5		
	e P	58 55		SHI	
	e P	59 31		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
July 27	e P	17 03 20		MSH	
July 27	USCGS:	17 06 02, 32.6N, 49.3E, h= 74 km.			
				Western Iran.	
	e P	06 38		KER	
	iS		07 14.7		
	e P ₁	06 56		TEH	390
	e P ₂	07 02.5			
	P		04.6	SHI	
	e P		30	TAB	
July 27	e(P)	17 11 08		MSH	
July 27	USCGS:	18 06 34, 32.8N, 48.7E, h= 36 km.			
				Mag.= 4.9 (CGS).	Western Iran.
	e P	18 06 40		KER	
	iS		47.7		
	e P	07 00		TEH	410
	e P		09	SHI	
	eiP	07 53.5		TAB	
	e P	08 54		MSH	
July 27	e P	19 08 15		TAB	
July 27	USCGS:	19 40 09.6, 32.6N, 49.0E, h= 54 km.			
				Mag.= 5.2 (CGS).	Western Iran.
	e P	19 40 48		KER	
	iS		41 26.2		
	e P ₁	19 41 07		TEH	420
	e P ₂		13		
	e S		57		
	P		13.7	SHI	
	eiP		45.3	TAB	
	e P	42 32		MSH	
	e(S)	45 25			
July 27	e(P)	20 20 19		MSH	
July 27	USCGS:	21 10 09, 32.6N, 49.0E, h= 60 km.			
				Western Iran.	
	e P	21 10 45		KER	
	e P ₁	11 06		TEH	420
	eiP ₂		12.5		
	eiS	12 02.5			
	e P	11 13		SHI	
	eiP		44.4	TAB	
	e P	12 29		MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
July 27	e P	22 03 56		TEH	
July 27	e P	23 46 17		TEH	
July 27	e P	23 52 11		MSH	
July 28	e P	07 36 48		KER	
	e P	37 18		TEH	
July 28	e P	08 27 49		MSH	
July 28	eiP	10 25 55.0		TAB	
	e P	27 21		MSH	
	e S	32			
July 28	P	10 59 16		SHI	
July 28	e P	12 27 17		TAB	
July 28	e P	12 52 09		SHI	
July 28	e P	19 10 55		KER	
July 28	e P	20 03 21		TAB	
July 29	USCGS: 08 20 46, 28.5N, 51.6E, h= 33 km. Mag.= 4.8 (CGS). Southern Iran.				
	eiP	08 21 12		SHI	
	e P	22 33		KER	
	e P	34		TEH	820
	e S	24 03			
	e(P)	24 15		MSH	
July 29	e P	08 26 14		TAB	
July 29	P	08 59 54.3		SHI	
	e S	09 00 16			
July 29	P	08 48 56.2		SHI	
July 29	e P	09 49 07		MSH	
	e S	13			
July 29	e P	09 52 16		TEH	
	e S	24			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
July 29	e P	16 20 10		MSH	
July 29	e P	18 42 26		SHI	
July 29	iP	19 59 53.0	C	SHI	
July 29	e P	20 01 (50)		KER	
	e P	02 05		TEH	
	e S	03 10			
	P	02 27		SHI	
July 29	e P	22 18 30		MSH	
July 29	e P	23 01 51		MSH	
	e S	02 04			
July 29	eiP	23 04 23.8		MSH	
	e S	54			
July 30	iP	00 21 21.2	C	SHI	
July 30	e P	00 29 23		KER	
	e P	28		TAB	
July 30	e P	16 27 34		MSH	
July 30	eiP	17 50 05.5		MSH	
	P	38.2		SHI	
	eiP	51 10.0		TAB	
	eiS	55.0			
July 30	e(P)	18 21 10		MSH	
July 30	e P	18 46 04		MSH	
July 30	eiP	19 00 11		SHI	
July 30	P	19 04 27		SHI	
July 30	e P	22 01 31		TAB	
July 30	e P	23 18 26		KER	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
31 July	USCGS:	03 28 14, 42.8N, 46.2E, h= 33 km.			
	Mag.= 4.7 (CGS).	Eastern Caucasus.			
	e P	03 29 45		TAB	
	e P	30 14		TEH	910
	e S	31 37			
31 July	P	08 16 23		SHI	
	e S	46			
	eiP	18 33.3		TEH	
	eiS	49.0			
	e P	08 19 45		KER	
	e P	20 25		MSH	
31 July	e(P)	15 43 54		MSH	

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Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Aug. 1	P	00 57 59.0		SHI	
	e S	58 21			
Aug. 1	e P	02 46 (33)		SHI	
	e S	56			
Aug. 1	eiP	03 58 02.5		MSH	
Aug. 1	e P	04 32 36		MSH	
Aug. 1	e P	06 29 26		KER	
Aug. 1	e P	06 33 32		MSH	
Aug. 1	eiP	06 38 35		SHI	
Aug. 1	e P	11 20 39		MSH	
Aug. 1	e P	16 44 26		MSH	
Aug. 1	e(P)	17 11 34		MSH	
Aug. 1	e P	18 08 48		KER	
	e P	09 39		SHI	
	e P	10 15		TEH	
Aug. 1	e P	18 23 39		TEH	
Aug. 1	e P	18 29 09		MSH	
Aug. 1	USCGS:	19 09 55.1, 29.9N, 68.8E, h= 33 km.			
	Mag.= 5.8 (CGS).	West Pakistan.			
	iP	19 12 19.0	C	MSH	
	e S	15 15			
	P	13 12.5	C	SHI	
	eiP	36.5	C	TEH	1760
	eiS	16 28.0			
	eiSS	48.0			
	eiPcP	18 31.5			
	iP	14 14.5		KER	
	iP	30.5	C	TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Aug 1	USCGS:	20 30	57.0, 20.9N, 68.6E, h= 33 km.		
	Mag.= 5.7 (CGS).		West Pakistan.		
	iF	20 33	19.5	C	MSE
	P	34	12.0	C	SHI
	eiP		36.5	C	TEH 1730
	ePPP	35	00		
	iF		14.5		KER
	iF		30.3	C	TAB
Aug 1	iP	20 43	34.7	C	TAB
	e P		43		SHI
Aug 1	USCGS:	21 02	59.6, 30.0N, 68.7E, h= 33 km.		
	Mag.= 6 $\frac{1}{2}$ (FAS), 6.2 (CGS).		West Pakistan.		
	2 killed, 15 injured about 45 villages destroyed, Felt in Quetta.				
	eiF	21 05	20.5		MSE
	F	06	14.5		SHI
	eiF		38.5	C	TEH 1730
	eiF	07	16.5		KER
	e P		34		TAB
Aug 1	e P	21 39	07		SHI
Aug 1	USCGS:	22 30	54.8, 30.0N, 68.9E, h= 33 km.		
	Mag.= 5.2 (CGS).		West Pakistan,		
	eiP	22 33	19.5		MSE
	e S	36	25		
	P	34	13.0		SHI
	e P		36		TEH 1730
	eiF	35	14.5		KER
	eiP		34.0	D	TAB
Aug 2	USCGS:	05 41	37.4, 30.0N, 68.9E, h= 32 km.		
	Mag.= 5.2 (CGS).		West Pakistan.		
	e P	05 44	42		MSE
	P		54.5	C	SHI
	e P	45	10		TEH 1730
	eSSS	48	26		
	ePcP	49	06		
	e P	45	54		KER
Aug 2	e P	08 24	24		SHI

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Aug 2	USCGS:	09 18	57.6, 29.0N, 69.2E, h= 21 km.		
	Mag.= 5.1 (CGS).		West Pakistan.		
	eiP	09 21	49.5		MSE
	e P	22	(20)		SHI
	e P		44		TEH 1000
	eiSS	25	54.0		
	ePcP	27	41		
	e P	23	21		KER
	e P		42		TAB
Aug 2	e P	11 35	45		TAB
Aug 2	eiP	14 23	23.0		TAB
	iS		54.6		
	e P		44		TEH
	e S	24	23		
Aug 2	e P	15 51	42		MSE
Aug 2	P	18 59	46.5		SHI
Aug 2	e P	21 24	36		TEH
Aug 3	P	07 23	52.5		SHI
	e S	24	15		
Aug 3	e P	09 00	17		SHI
Aug 3	e(P)	11 33	12		MSE
Aug 3	P	14 19	49.0		SHI
	e P	20	(40)		KER
	e P		43		TEH
	e(S)	21	41		
Aug 3	e P	14 24	30		MSE
Aug 3	e P	16 25	21		TAB
Aug 3	P	10 58	03.0		SHI
	e P		54		KER
Aug 3	e P	19 12	13		SHI

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Aug 3	e P	22 15 36		MSH	
Aug 3	e P	22 17 16		MSH	
	P	25.0		SHI	
	e P	10 00		TAB	
Aug 3	e P	23 59 25		TAB	
Aug 4	(P)	03 45 37		SHI	
Aug 4	P	04 18 59.3		SHI	
Aug 4	USCGS:	05 42 21.3, 7.33, 120.32, h= 531 km.			
	Mag.= 5.5 (CGS).	Flores Sea.			
	P	05 53 07.0	D	SHI	
	eiP	23.5	C	TEH	3580
Aug 4	e(P)	08 26 00		MSH	
	eiP	20.0			
	e P	43		TEH	
Aug 4	e P	08 50 59		TAB	
Aug 4	e P	15 15 25		SHI	
Aug 4	e P	17 36 46		MSH	
Aug 4	P	19 41 15.0		SHI	
Aug 4	e P	22 31 52		MSH	
	P	32 40.5		SHI	
	e P	33 05.		TEH	
Aug 4	USCGS:	01 03 04.4, 32.6N, 79.6E, h= 55 km.			
	Mag.= 5.3 (CGS).	Kashmir-Tibet Border Region.			
	e P	01 06 55		MSH	
	P	09 03.0		SHI	
	e(S)	12 20			
	e P	00 13		TEH	2640
	e S	12 26			
	eSS	13 18			
	e P	00 42		KER	
	e P	52		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Aug 5	e P	01 23 01		KER	
Aug 5	P	01 41 40.5		SHI	
Aug 5	P	02 02 35.0		SHI	
Aug 5	e P	04 02 24		MSH	
	iP	03 51.9	C	SHI	
Aug 5	P	04 35 34.0		SHI	
Aug 5	e P	08 36 (41)		KER	
	e S	46			
Aug 5	iP	11 47 52.0	C	TEH	
	eiS	48 07.0			
Aug 5	P	17 53 47.0		SHI	
Aug 5	P	20 10 56.5		SHI	
Aug 5	e P	21 34 01		MSH	
Aug 5	e P	23 22 01		KER	
	e S	20.0			
Aug 6	e P	00 07 37		KER	
	e S	56			
Aug 6	e P	00 29 01		SHI	
Aug 6	e P	02 23 35		SHI	
Aug 6	iP	02 35 56.3	C	TAB	
	iP	36 14.5		KER	
	e P	37 11		SHI	
Aug 6	e P	05 41 50.5		SHI	
	e S	42 11			
Aug 6	e P	05 51 49		TAB	
	iS	52 08.4			
Aug 6	e P	09 33 33		MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Aug. 6	e P	10 35 14		KER	
Aug. 6	e P	11 16 17		MSH	
Aug. 6	e P iS	12 03 41 59.0		TAB	
Aug. 6	e P	13 16 51		MSH	
Aug. 6	P	13 38 06.0		SHI	
Aug. 6	e P iS	19 04 27 35.7		TAB	
Aug. 6	e P eiP P	19 44 03 47.0 45 00.0		MSH TAB SHI	
Aug. 6	eiP	20 16 42.0		TAB	
Aug. 6	e P	20 21 24		SHI	
Aug. 6	P	20 31 30.0		TAB	
Aug. 6	P	21 17 04.0		TAB	
Aug. 7	e P eiS	01 21 34 48.0		TAB	
Aug. 7	USCGS: 02 13 05.1, 50.6N, 171.3W, h= 39 km. Mag.= 7.0 (BRK), 6.5 (CES). Aleutian Islands Region, Felt on Adak.				
	iP	02 25 23.5	D	MSH	
	eiPP	23 37.0			
	i(S)	35 43.0			
	iP	25 40.3	D	TEH	9500
	epP	50			
	eiPP	29 09.0			
	eiS	36 23.5			
	eiFS	37 23.5			
	iP	25 43.0		TAB	
	iS	36 21.2			
	eiP	25 55		KER	
	P	26 08.5		SHI	
	e(S)	36 36			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Aug. 7	e P e S	07 22 30 44		KER	
Aug. 7	iP iS e P	03 25 55.0 26 17.5 19		KER MSH	
Aug. 7	e P	11 32 55		MSH	
Aug. 7	e(P)	14 24 19		MSH	
Aug. 7	e(P) e(S)	15 07 40 08 12		MSH	
Aug. 7	e P e P e(S) e P	16 51 04 27 52 25 15		KER TEH TAB	
Aug. 7	USCGS: 17 36 26.7, 31.8N, 114.5W, h= 33 km. Mag.= 6 $\frac{1}{4}$ - 6 $\frac{1}{2}$ (PAS), 6.7 - 7.0 (BRK), 6.3 (CES). Gulf of California, Felt Widely in Southern California, Arizona and Northern Mexico.				
	e P'	17 54. (50)		TEH	12440
	ePP	55 44			
	ePFS	13 06 11			
	eiP'	17 55 47.0		MSH	
Aug. 7	e P	18 04 44		MSH	
Aug. 7	e P	18 05 16		MSH	
Aug. 7	e P eiP eiS ₁ eiS ₂	20 29 00 40.7 30 11.3 20.5		MSH TAB	
Aug. 8	eiP eiS	00 01 23.5 27.5		MSH	
Aug. 8	e P	00 36 53		MSH	
Aug. 8	e(P)	02 33 46		MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Aug 8	e P	08 21 49		SHI	
	e F	23 35		MSH	
Aug 8	e P	09 30 31		MSH	
Aug 8	e P	09 33 52		SHI	
Aug 8	eiP	10 16 30		SHI	
Aug 8	e P	12 53 33		SHI	
Aug 8	e P	17 26 54		KER	
Aug 8	eiP	17 35 01.5		TAB	
	eiS	06.0			
	e P	(30)		KER	
Aug 8	eiP	18 05 31.5		TAB	
	e S	39			
Aug 9	eiP	00 18 13.0		MSH	
Aug 9	USCGS: 00 20 00, 32.8N, 48.7E, h= 54 km. Mag.= 4.2 (CGS). Western Iran.				
	e P	00 20 35		KER	
	e S	21 05			
	eiP ₁	20 56.0	C	TEH	420
	e P ₂	21 02			
	e S	42			
	e P	21 03		SHI	
	e P	22 23		TAB	
e(T)	22 40		MSH		
Aug 9	e P	00 25 05		MSH	
Aug 9	e P	00 31 53		KER	
	e P	32 13		TEH	
	e P	40		SHI	
Aug 9	e P	01 03 01		KER	
	e P	31		TEH	
	e S	09 31			
	e P	37		TAB	
Aug 9	e P	01 15 56		KER	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Aug 9	e P iS	02 35 06 24.4		TAB	
Aug 9	USCGS: 03 34 14.3, 40.3N, 19.9E, h= 33 km. Mag.= 5.0 (CGS). Albania.				
	eiP	03 33 52.5		TAB	
	e P	39 11		MSH	
	e P	39		TEH	2310
Aug 9	e P	40 10		SHI	
	e P	13 07 10		TEH	
Aug 9	e S	16			
	e P	18 04 57		SHI	
Aug 9	eiP eiS	18 26 41.0 32.5		TAB	
Aug 9	P	19 32 07.0	C	SHI	
Aug 9	e P	20 22 14		SHI	
Aug 10	USCGS: 05 01 07.4, 20.1S, 175.3W, h= 96 km. Mag.= 6½ (PAS), 5.2 - 5.6 (BRK), 5.2 (CGS). Tonga Islands.				
	iP'	05 20 10.0	D	MSH	
	e P'	10		SHI	
	e P'	21		TAB	
	e P'	21		TEH	15210
	e(SXP)	23 39			
Aug 10	e P	07 40 09		MSH	
Aug 10	e P	07 48 53		MSH	
Aug 10	e(P)	12 50 03		MSH	
	e P	23		TEH	
Aug 10	e P	15 27 43		TAB	
	P	23 13.5		SHI	
Aug 10	e P	21 05 10		MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Aug. 10	USCGS:	22 05	35, 30.4N, 59.6E, h= 4 km.		
	Mag.= 5.3 (CGS).		Tadzhik SSR.		
	eiP	22 07	34.5	MSH	
	e S	10 04			
	eiP	09 14.0		TEH	1690
	eSS	12 19			
	P	09 29		SHI	
	iP	52.2	D	TAB	
Aug. 10	e P	23 01	54	MSH	
Aug. 11	USCGS:	00 23	40.4, 37.0N, 20.9E, h= 43 km.		
	Mag.= 4.5 (CGS).		Ionian Sea.		
	e P	00 29	11	TAB	
	e P		55	TEH	2700
	P	29 22.5		SHI	
Aug. 11	eiP	05 31	52.5	MSH	
	e P	32 05		TAB	
Aug. 11	eiP	06 42	16.5	MSH	
Aug. 11	USCGS:	10 45	59.6, 52.0N, 159.7W, h= 61 km.		
	Mag.= 5.3 (CGS).		Fox Islands, Aleutian Islands.		
	eiP	10 58	20.0 C	TEH	9220
	P		53.9	SHI	
Aug. 11	e P	11 02	22	SHI	
Aug. 11	e P	11 10	25	TAB	
Aug. 11	e P	13 22	34	TEH	
	iS		57.6		
	e P	23 07		TAB	
Aug. 11	e P	19 18	10	SHI	
Aug. 11	P	23 44	59.5	SHI	
	e P	45 02		TAB	
Aug. 12	eiP	10 53	23.5	SHI	
Aug. 12	e P	15 46	58	SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Aug. 12	e P	19 32	50	TEH	
	iP		33 03.9	D	
	iP		09.0	(C)	TAB
Aug. 12	USCGS:	20 16	59.3, 52.9N, 161.6W, h= 31 km.		
	Mag.= 4.5 - 4.9 (BRK), 5.6 (CGS).		South of Alaska.		
	eiP	20 29	43.0	D	TAB
	eiP		47.5	C	TEH
	eSKS	40 19			9750
	e S		32		
	P	30 10.3		SHI	
Aug. 12	eiP	20 12	42.5	TAB	
	iS		47.5		
Aug. 12	P	22 34	33.0	SHI	
Aug. 13	e P	04 39	(56)	SHI	
Aug. 13	eiP	07 07	02.5	SHI	
Aug. 13	e P	08 05	24	SHI	
Aug. 13	e P	15 29	39	SHI	
Aug. 13	e P	17 19	09	TAB	
	eiS		30.5		
Aug. 13	e P	18 01	43	TEH	
	e S		02 06		
Aug. 14	e P	04 12	11	TEH	
	e S		13 02		
Aug. 14	e P	08 31	22	TEH	
	e S		30		
Aug. 14	e P	15 50	37	SHI	
	e S		59 00		
Aug. 14	e P	21 12	15	SHI	
	e P		20	TEH	
	e S		13 04		
	e P		12	TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Aug. 14	eiP e S	22 43 01.0 24		SHI	
Aug. 14	e P	23 26 27		SHI	
Aug. 15	USCGS:	02 15 33, 22.7N, 78.9E, h= 50 km.			
		Mag.= 5.3 (CGS). Northern India. 15 killed, 24 injured at New Delhi.			
	eiP	02 19 40.0		MSH	
	P	20 36.0	D	SHI	
	e(S)	24 45			
	eiP	20 49.5	D	TEH	2720
	eiS	25 12.0			
	e P	21 29 (D)		TAB	
Aug. 15	USCGS:	02 45 32.3, 13.3N, 121.3E, h= 14 km.			
		Mag.= 5.7 (CGS). Mindanao, Philippine Islands Felt.			
	eiP	02 56 15		SHI	
	e(S)	03 04 57			
	e P	02 56 24		TEH	7420
	e S	03 05 18			
	e P	02 56 40		TAB	
Aug. 15	P	00 33 15.0		SHI	
Aug. 15	USCGS:	10 20 42.2, 3.3N, 64.0E, h= 37 km.			
		Mag.= 5.6 (CGS). Carlesberg Ridge.			
	e P	10 26 33		SHI	
	iP	27 10.0	C	MSH	
	eiP	20.0	C	TEH	3930
	eFP	28 30			
	ePPP	29 23			
	eiPcP	30 10			
	e S	32 58			
	e(S)	34 24			
	eiP	23 00.0 (D)		TAB	
Aug. 15	e P	12 16 09		MSH	
Aug. 15	e P	12 29 (97)		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Aug. 15	USCGS:	13 36 23.7, 60.4N, 146.0W, h= 9 km.			
		Mag.= 4.6 - 5.0 (BRK), 5.3 (CGS). Southern Alaska.			
	eiP	13 43 44.0		MSH	
	e P	44		TAB	
	e(S)	59 07			
	e P	53		TEH	9260
	e(S)	59 12			
	e P	49 20		SHI	
Aug. 15	P	19 21 41.0		SHI	
Aug. 15	iP	20 49 08.9		SHI	
Aug. 15	P	21 03 36.0		SHI	
Aug. 15	e P	21 42 07		SHI	
Aug. 16	e P	01 37 54		MSH	
Aug. 16	USCGS:	02 16 19.7, 36.4N, 70.3E, 199 km.			
		Mag.= 5.7 (CGS). Hindu Kush Region, Felt Peshawar.			
	iP	02 18 26.0	C	MSH	
	e S	20 06			
	iP	19 53.6	C	TEH	1770
	S	22 48.0			
	iP	20 04.9	C	SHI	
	e(S)	23 06			
	iP	20 36.0	C	TAB	
Aug. 16	e P	03 53 10		TEH	
	e P	59 (38)		SHI	
Aug. 16	eiP	09 53 30.0		SHI	
Aug. 16	e P	13 50 30		SHI	
Aug. 16	P	14 30 14.3		SHI	
Aug. 16	e P	14 34 37		SHI	
Aug. 16	P	15 07 59.7	C	SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Aug. 16	e P	18 18 23		SHI	
Aug. 16	e P	19 42 40		SHI	
Aug. 16	e P	20 04 37		SHI	
	e P	05 53		TAB	
	e P	05 40		MSH	
Aug. 16	e P	21 03 (24)		SHI	
Aug. 16	e P	21 46 12		SHI	
Aug. 16	e P	23 15 15		SHI	
Aug. 17	e P	05 50 27		SHI	
Aug. 17	e P	15 50 (20)		SHI	
Aug. 17	P	17 50 12.0		SHI	
Aug. 17	e P	19 34 19		TEH	
	e S	35 06			
Aug. 17	eiP	20 04 50.0		MSH	
	P	05 11.0	D	SHI	
	e S	14 15			
	iP	05 48.5	C	TAB	
Aug. 17	iP	21 10 20.0	C	MSH	
	eiP	43.5		TAB	
	eiP	11 05		SHI	
Aug. 17	e P	22 19 21		TAB	
Aug. 17	e P	22 26 06		TAB	
Aug. 17	P	23 25 00.0		SHI	
Aug. 18	iP	00 15 38.0		TAB	
Aug. 18	iP	00 28 05.2	D	TAB	
Aug. 18	e P	00 57 17		TAB	
Aug. 18	eiP	01 11 19.5	D	TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Aug. 18	e P	01 14 39		SHI	
Aug. 18	USCGS:	06 39 04, 51.5N, 177.0E, h= 44 km.			
	Mag.= 5.3 (CGS).				
	e P	06 50 19		TEH	3960
	ePP	53 24			
	P	50 41.3	C	SHI	
Aug. 18	e P	10 52 (03)		SHI	
	eiP	07.0		MSH	
	e P	33		TAB	
Aug. 18	USCGS:	14 33 59.0, 0.20, 125.1E, h= 56 km.			
	Mag.= 6.3 (CGS).				
	eiP	14 45 11.5		MSH	
	iP	36.2	C	SHI	
	eiP	48.0	C	TEH	8550
	ePP	48 38			
	e(PPP)	50 21			
	eSKS	55 58			
	iP	46 13.3		TAB	
Aug. 18	USCGS:	14 37 53, 0.1E, 125.1E, h= 33 km.			
	Mag.= 6.3 (CGS).				
	e P	14 49 42		TEH	8510
	eSKS	59 50			
Aug. 18	e P	15 54 56		MSH	
	e P	55 19		SHI	
Aug. 18	e P	19 23 09		SHI	
	e S	32			
Aug. 18	e P	20 07 25		SHI	
	e P	37		MSH	
Aug. 18	e P	20 33 10		TAB	
Aug. 18	e P	21 10 53		TAB	
	iS	11 40.5			
Aug. 18	e P	21 26 54		TAB	
	iS	27 49.2			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Aug 18	P	22 13 56.9		SHI	
Aug 18	e P	22 47 44		TAB	
	e S	43 21			
Aug 19	e P	04 29 39		TAB	
Aug 19	e(P)	05 53 20		MSH	
Aug 19	USCGS: 12 22 03.6, 39.2N, 41.7E, h= 26 km. Mag.= 7 (PAS), 6.7 - 6.9 (BRK), 6% (PAL), 6.7 (CGS, Surface Wave), 6.1 (CGS). Turkey. Near than 3000 killed, many injured with major property damage in Erzurum, Bingol.				
	iP	12 23 12.0	D	TAB	
	eiP	47.5		KER	
	eiP	24 13.5	D	TEH	910
	P	25 14.0	D	SHI	
	e P	36		MSH	
Aug 19	e(P)	12 57 29		MSH	
	P	49.0		SHI	
Aug 19	USCGS: 13 15 10.1, 39.2N, 41.1E, h= 33 km. Mag.= 5.1 (CGS). Turkey.				
	e P	13 16 22		TAB	
	e P	52		KER	
	e P	17 24		TEH	1020
	e S	19 00			
	e P	18 15		SHI	
	eiP	40.0		MSH	
Aug 19	e P	13 45 21		SHI	
Aug 19	USCGS: 13 54 24.9, 38.9N, 41.7E, h= 33 km. Mag.= 5.3 (CGS). Turkey.				
	e P	13 55 26		TAB	
	e P	56 07		KER	
	e P	31		TEH	950
	P	57 27.0		SHI	
	eiP	47.5		MSH	
Aug 19	e P	14 12 00		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Aug 19	USCGS: 14 17 57.5, 39.2N, 41.1E, h= 47 km. Mag.= 5.1 (CGS). Turkey.				
	eiP	14 19 07.0		TAB	
	e P	30		KER	
	e P	20 11		TEH	1020
	e P	21 01		SHI	
	e P	26		MSH	
Aug 19	e P	14 31 24		TAB	
Aug 19	iP	14 43 54.4		TAB	
Aug 19	e P	14 51 10		TAB	
Aug 19	eiP	15 22 05.5		TAB	
Aug 19	e P	15 26 31		TAB	
Aug 19	e P	15 30 43		TAB	
Aug 19	e P	15 42 56		MSH	
Aug 19	e P	15 57 25		TAB	
Aug 19	e P	16 01 09		TAB	
Aug 19	e P	16 17 10		TAB	
Aug 19	e P	16 26 18		TAB	
Aug 19	e P	16 32 13		TAB	
Aug 19	e P	16 56 29		TAB	
Aug 19	e P	16 59 54		TAB	
Aug 19	e P	18 03 23		MSH	
Aug 19	P	18 37 42.0		SHI	
Aug 19	e P	18 41 13		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Aug 19	USCGS:	18 41	16.0, 39.1N, 41.4E, h= 33 km.		
			Mag.= 4.9 (CGS). Turkey.		
	e P	18 42 26		TAB	
	e P	43 06		KER	
	e P	24		TEH	980
	e P	44 19		SHI	
	e P	43		MSH	
Aug 19	e P	21 02 47		TAB	
	e P	03 12		KER	
Aug 19	e P	21 18 42		KER	
Aug 19	e P	21 36 28		KER	
Aug 19	eiF	21 40 01.5		TAB	
	e P	26		KER	
	e P	41 49		SHI	
Aug 19	e P	22 12 09		KER	
	eiF	08.5		TAB	
Aug 19	e P	23 11 34		SHI	
Aug 20	e P	00 28 33		TAB	
	e P	29 13		KER	
	P	30 56.0		SHI	
Aug 20	e P	01 08 29		KER	
Aug 20	e P	01 28 09		TAB	
	e P	37		KER	
Aug 20	e P	02 15 17		KER	
	e P	16 40		SHI	
Aug 20	e P	02 22 30		MSH	
Aug 20	e P	04 47 16		KER	
Aug 20	e P	08 02 17		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Aug 20	USCGS:	09 32	31.7, 43.1N, 140.6E, h= 161 km.		
			Mag.= 6.4 (FAS), 5.8 (CGS). Hokkaido, Japan Region, Felt on Hokkaido.		
	e P	09 42 26		KER	
	eiF	26.0		MSH	
	eiF	43 04.0	C	TEH	7340
	epF	43			
	e S	51 39			
	P	43 21.0	D	SHI	
	e S	52 12			
Aug 20	e P	10 20 06		MSH	
	e P	21 30		TEH	
Aug 20	eiF	10 54 39.5		TAB	
	ei(S)	55 32.0			
	e P	(35)		KER	
Aug 20	USCGS:	11 59	12.1, 39.3N, 40.9E, h= 37 km.		
			Mag.= 5.4 (CGS). Turkey, 25 killed in Varto area.		
	iF	12 00 20.2	(C)	TAB	
	eiF	52.0		KER	
	e P	01 22		TEH	990
	e P	02 19		SHI	
	iF	43.5	D	MSH	
Aug 20	e P	12 41 32		TAB	
	e P	42 21		KER	
Aug 20	eiF	14 10 42.0		TAB	
	e P	11 32		KER	
Aug 20	e P	15 18 44		TAB	
	e P	19 07		KER	
Aug 20	e P	16 44 33		TAB	
	e P	59		KER	
Aug 20	e(P)	17 10 40		MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Aug 20	USCGS: 17 54 03, 39.3N, 41.2E, h= 33 km. Mag.= 4.4 (CGS). Turkey.				
	e P	17 55 24		TAB	
	e P	(57)		KER	
	e P	56 11		TEH	930
	e P	57 (15)		SHI	
Aug 20	e P	18 14 18		SHI	
Aug 20	e P	18 31 25		KER	
	eiP	37.5		TAB	
Aug 20	e P	19 14 25		SHI	
Aug 20	e P	20 46 06		KER	
Aug 20	e P	22 35 42		KER	
Aug 20	USCGS: 22 55 03.0, 23.4S, 176.0E, h= 57 km. Mag.= 5.4 (FAS), 5.6 - 5.8 (BRK), 5.6 (CGS). South of Fiji Islands.				
	e P	23 13 59		KER	
	e P	14 11		MSH	
	e P	21		SHI	
	e P	22		TEH	15320
	eiP	25.5		TAB	
Aug 21	USCGS: 00 15 04.1, 39.2N, 41.8E, h= 33 km. Mag.= 4.8 (CGS). Turkey.				
	eiP	00 16 02.5	D	TAB	
	e P	37		KER	
	e P	17 19		TEH	970
	e P	18 07		SHI	
	e P	40		MSH	
Aug 21	e P	01 00 55		KER	
Aug 21	USCGS: 01 30 45.2, 40.3N, 27.4E, h= 33 km. Mag.= 4.9 (CGS). Turkey.				
	eiP	01 34 17.0	D	TAB	
	e P	42		KER	
	e P	35 11		TEH	2140
	esP	23			
	e S	38 50			
	e P	35 49		SHI	
	e P	36 15		MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Aug 21	e P	02 27 18		KER	
Aug 21	e P	04 03 25		KER	
Aug 21	USCGS: 05 00 26.0, 3.5N, 126.7E, h= 67 km. Mag.= 6.6 - 6.9 (BRK), 6.0 (CGS). Mindanao Philippine Islands.				
	iP	05 11 12.0	C	MSH	
	eiP	52.0	C	TEH	3120
	e S	21 18			
	e P	12 11		KER	
	iP	16.9		TAB	
	iS	22 03.5			
Aug 21	e P	07 56 56		TAB	
Aug 21	e P	08 19 47		MSH	
Aug 21	eiP	11 05 11.5		SHI	
Aug 21	eiP	13 32 30.5		TAB	
	e P	52		KER	
Aug 21	eiP	13 53 29.5		TAB	
	e P	59 28		KER	
Aug 21	e P	15 19 03		TAB	
	e P	24		KER	
Aug 21	e P	15 23 42		MSH	
Aug 21	eiP	16 33 45.5		TAB	
	e S	34 28			
Aug 21	eiP	18 35 07.0		TAB	
	e P	36 14		KER	
Aug 21	P	18 43 55.0		SHI	
Aug 21	(P)	19 16 24.0		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Aug. 21	P	20 36		SHI	33.0
Aug. 21	e P ₁	21 05		TAB	03
	e P ₂				13
	eiS ₁				56.0
	eiS ₂	06			27.5
	e P	05		KER	32
Aug. 21	e P ₁	21 14		TAB	09
	iP ₂				14.3
	e(S)	15			27
	e P	14		KER	54
	e P	16		SHI	(05)
Aug. 21	e P	21 21		SHI	11
Aug. 21	e P	22 20		TAB	33
	e(S)	29			30
	e P			KER	23
Aug. 21	e P	22 37		TAB	45
	e(S)	39			40
	e P	38		KER	(03)
	e P	39		SHI	41
Aug. 21	e(P)	22 46		MSH	12
Aug. 21	e P	23 19		TAB	42
Aug. 22	iP	03 30	C	SHI	19.0
Aug. 22	eiP	10 32		TAB	37.0
	ei(S)	33			26.0
	e P			KER	31
Aug. 22	e P	11 39		TAB	54
	iS	40			15.0
	e P	41			01
Aug. 22	iP	14 25	C	TAB	00.3
Aug. 22	USCGS:	14 21			13.7, 50.3N, 147.6E, h= 628 km.
	Mag.= 5.2 - 5.6 (BRK), 5.2 (CGS).				Sea of Okhotsk.
	e P	14 30		MSH	36
	eiP	31	D	TEH	09.0
	epP	33			14
	e S	39			19
	iP	31	D	TAB	15.8
	e P	29		KER	
	iP	30.3	D	SHI	
	ipP	33			36
	(S)	39			54

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Aug. 22	e P	16 03		TAB	53
Aug. 22	e P	17 09		TAB	39
Aug. 22	USCGS:	17 02			03.5, 1.8S, 134.2E, h= 13 km.
	Mag.= 5.9 (CGS).				West New Guinea Region.
	e P	17 14		MSH	09
	P			SHI	32.0
	e P			TEH	41
	e(CGS)	25			05
	e P	14		KER	58
	e P	15		TAB	03 (D)
Aug. 22	USCGS:	17 42			10.6, 22.4S, 170.6E, h= 39 km.
	Mag.= 5.5 (CGS).				Loyalty Islands Region.
	P'	18 01		SHI	06.9
	e P'			TEH	11
	eFF'	03			14
	e P'	01		TAB	19
	e P'			KER	22
Aug. 22	e P	18 31		SHI	55
Aug. 22	e P	19 47		TAB	40
Aug. 22	eiP	20 37		TAB	20.0
	ei(S)	38			25.5
	e P	37		KER	(45)
Aug. 22	P	20 50		SHI	54.0
Aug. 22	P	21 30		SHI	44.0
	e P	32		KER	15
	e P	33		TAB	19
Aug. 22	e P	21 45		TAB	34
	iS				58.5
Aug. 22	P	21 58		SHI	41.0
Aug. 22	e P	23 03		TAB	26
	e P			KER	56

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Aug. 22	e P	23 18 24		TAB	
Aug. 22	e P	23 27 00		TAB	
	e P	33		KER	
Aug. 23	e P	00 12 32		SHI	
Aug. 23	e P	00 47 50		TAB	
Aug. 23	eif	00 51 57.5		TAB	
	e P	52 (51)		KER	
Aug. 23	e P	01 16 37		TEH	
Aug. 23	USCGS:	01 35 45, 39.2N, 41.0E, h= 33 km.			
	Mag.= 4.6 (CGS).	Turkey.			
	e P	01 36 55		TAB	
	i(S)	37 57.4			
	e P	(35)		KER	
	e P	38 02		TEH	1050
	e P	56		SHI	
Aug. 23	e(P)	01 45 13		MSH	
Aug. 23	P	02 51 45.0	C	SHI	
Aug. 23	P	03 53 44.0	C	SHI	
Aug. 23	e P	05 44 12		TAB	
Aug. 23	e P	06 23 (02)		KER	
Aug. 23	e P	07 47 50		TAB	
Aug. 23	e P	09 50 28		TAB	
Aug. 23	e P	10 20 14		TEH	
	e S	37			
Aug. 23	e P	15 14 28		SHI	
Aug. 23	if	18 29 42.1	C	TAB	
	is	45.6			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Aug. 23	USCGS:	18 22 16.7, 23.8N, 123.2E, h= 37 km.			
	Mag.= 5.6 (CGS).	South Western Ryukyu Islands.			
	e P	18 31 42		KER	
	eif	52.0		MSH	
	e P	32 (38)		TEH	6900
	P	39.0		SHI	
	e P	33 04		TAB	
Aug. 23	e P	18 43 41		TAB	
	e P	44 (30)		KER	
Aug. 24	USCGS:	02 47 01, 37.2N, 73.2E, h= 72 km.			
	Mag.= 4.6 (CGS).	Tadzhik SSR.			
	e P	02 49 32		MSH	
	e S	51 33			
	e P	(1) 03		TEH	1950
Aug. 24	e P	04 14 97		TAB	
Aug. 24	e P	04 35 03		MSH	
Aug. 24	USCGS:	06 51 15.8, 29.9N, 68.6E, h= 33 km.			
	Mag.= 5.1 (CGS).	West Pakistan.			
	e P	06 54 16		MSH	
	e S	56 45			
	e P	54 55		TEH	1740
	e P	56 37		TAB	
Aug. 24	USCGS:	07 17 17.3, 19.9S, 69.2W, h= 100 km.			
	Mag.= 4.7 - 5.1 (BRK), 5.5 (CGS).	Northern Chile, felt at Aregiupa, Peru.			
	e P	07 36 12		TEH	14220
	ePP	38 05			
Aug. 24	e P	13 05 07		TEH	
	e S	16			
Aug. 24	e P	19 46 09		KER	
Aug. 24	e P	21 26 04		TAB	
Aug. 24	e P	21 26 52		KER	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Aug. 24	e P	23 49 38		TAB	
Aug. 25	e P	07 37 36		KER	
Aug. 25	e P	10 23 26		TAB	
Aug. 25	eiP	23 00	11.8	TAB	
	iS		52.7		
	e P		(26)	KER	
Aug. 26	e P	01 11 14		TAB	
	e P		15	KER	
Aug. 26	e P	09 26 04		TAB	
	e P		08	MSH	
Aug. 26	e P	29 (21)		KER	
Aug. 26	e P	10 19 25		TAB	
Aug. 26	e P	17 11 54		MSH	
Aug. 26	e P	19 51 20		TAB	
	e(S)	52 17			
Aug. 26	e P	20 55 18		KER	
Aug. 27	e P	00 50 06		TAB	
	e P	51 00		KER	
Aug. 27	eiP	02 48	34.0	TAB	
Aug. 27	e P	03 01 54		TAB	
	e S	02 10			
Aug. 27	eiP	06 02	21.4	TAB	
	e P	03 17		KER	
Aug. 27	e P	17 22 09		TAB	
Aug. 27	e P	18 15 17		TAB	
	iS		20.2	TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Aug. 27	e P	23 54 26		TAB	
	iS	55 18			
	e P	55 02		KER	
Aug. 28	e P	10 27 55		MSH	
Aug. 28	USCGS:	10 43	01.0, 36.3N, 70.9E, h= 173 km.		
	Mag.= 4.9 (CGS).		Hindu Kush Region.		
	e P	10 45 03		MSH	
	e S	46 46			
	iP	46 36.4	D	TAB	1790
	e S	49 34			
	e(PcP)	50 50			
	e P	47 14		TAB	
	eiP		16.5	KER	
Aug. 28	e(P)	16 00 40		MSH	
Aug. 28	e P	19 06 57		KER	
	iP	07 18.0	C	TAB	
Aug. 28	eiP	22 42	11.5	MSH	
	e P	43 11		KER	
	eiP		12.4 (C)	TAB	
Aug. 28	e P	23 14 24		KER	
	e P	15 01		TAB	
Aug. 28	iP	23 24	21.3	MSH	
Aug. 29	eiP	07 57	23.0	TAB	
	iS	58 00.0			
Aug. 29	e P	13 04 17		TAB	
Aug. 29	e P	13 31 48		MSH	
Aug. 29	e P	13 37 20		TAB	
	e P	33 (29)			
Aug. 29	e P	14 44 26		TAB	
	e(C)	45 37			
	e P	45 24		KER	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Aug 29	e P	21 00 51		MSH	
	e S	01 08			
	eiP	23 02 24.0		MCH	
	e S	40			
Aug 30	e(F)	06 26 12		MSH	
Aug 30	USCGS:	06 42 26, 32.2N, 56.1E, h= 33 km.			
	Iran.				
	eiP	06 43 41.5		MSH	
	e S	45 20			
	e P ₁	43 43		TEH	570
	eiP ₂	44 01			
	e S ₁	48			
	eiS ₂	45 13			
	e P	44 (21)		KER	
	e P	45 17		TAB	
Aug 30	e P	11 05 (00)		KER	
Aug 30	e P	11 15 (50)		KER	
Aug 30	e P	12 50 22		TEH	
	e P	22		MSH	
	e P	51 28		KER	
	eiP	32.2	C	TAB	
Aug 30	e P	16 29 33		MSH	
Aug 30	e P	19 05 32		KER	
	eiP	56.5	D	TEH	
	e S	06 46			
Aug 30	e P	19 12 31		KER	
Aug 30	USCGS:	20 20 54, 61.3N, 147.5W, h= 36 km.			
	Mag.= 5 $\frac{1}{4}$ - 6 (PAS), 4.9 - 5.3 (BRK), 5 $\frac{1}{4}$ (PAL), 5.9 (CGS). Southern Alaska, Felt at Anchorage Valdez, Glemallen, Cardaue and Kenau.				
	eiP	20 33 03.5		MSH	
	eiP	04.0	D	TAB	
	eiP	13.0	D	TEH	9110
	e P	29		KER	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Aug 31	eiP	01 21 14.0		MSH	
	e P	22 (50)		TEH	
	e P	23 (30)		KER	
Aug 31	e P	13 02 54		TAB	
Aug 31	e P	13 24 (02)		TEH	
	e P	16		MSH	
Aug 31	eiP	20 55 16.5		TAB	
	e P	52		KER	
Aug 31	eiP	21 30 21		TAB	
Aug 31	e P	23 15 51		KER	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Sept.1	P	02 14 03.4		SHI	
Sept.1	P	03 16 25.2		SHI	
Sept.1	e P	09 09 (23)		SHI	
Sept.1	e P	12 39 51		TAB	
Sept.1	USCGS: 14 16 14.1, 31.8N, 142.4E, h= 42 km. Mag.= 5.5 (CGS), South of Honshu, Japan.				
	e P	14 27 05		MSH	
	e P	40		TEH	8120
	P	53.1	D	SHI	
Sept.1	USCGS: 14 22 57.0, 37.5N, 22.1E, h= 17 km. Mag.= 5.3 (CGS). Southern Greece, 20 injured and 1000 homes destroyed in Central Peloponnesus Region, felt in Athens.				
	eiP	14 27 22.5		TAB	
	e P	36		KER	
	e P	28 06		TEH	2600
	e S	32 10			
Sept.1	iP	14 47 17.5	C	SHI	
Sept.1	eiP	15 22 36.0		MSH	
Sept.1	e F	19 09 32		MSH	
Sept.1	F	19 27 26.0	C	SHI	
Sept.1	P	20 47 45.0	C	SHI	
	e P	48 50		KER	
	e P	49 08		TEH	
	e(S)	50 34			
	e P	20 51 36		TAB	
	e(P)	50		MSH	
Sept.1	P	21 08 26.0		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Sept.1	iP	21 15 25.0	C	TEH	
	eiS	31.5			
	e P	16 (33)		KER	
	e P	48		SHI	
	e P	48		TAB	
	eiS	18 00.5			
Sept.1	e P	23 13 11		SHI	
Sept.1	P	23 31 49		SHI	
Sept.1	e P	23 43 (23)		KER	
Sept.2	e P	01 07 02		TAB	
	P	23.2	C	SHI	
Sept.2	P	01 47 00.0		SHI	
Sept.2	P	02 10 11		SHI	
Sept.2	e P	08 18 42		MSH	
	e P	46		SHI	
Sept.2	USCGS: 10 41 21, 12.9N, 50.9E, h= 33 km. Mag.= 4.8 (CGS). Eastern Gulf of Aden.				
	P	10 45 08.0		SHI	
	e P	46 23		TEH	2550
	e S	50 26			
	esS	42			
	eiP	46 41.0		MSH	
	iP	47.2	C	TAB	
Sept.2	USCGS: 11 13 00, 27.7N, 52.4E, h= 33 km. Mag.= 5.0 (CGS), Southern Iran.				
	iP	11 13 33.9	C	SHI	
	e P	14 56		TEH	380
Sept.2	e P	11 18 20		MSH	
Sept.2	e P	13 28 57		SHI	
Sept.2	P	13 43 07		SHI	
	e P	14 18 44		MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Sept.2	e P	14 25 20		SHI	
Sept.2	F	14 46 27.9		SHI	
Sept.2	F	19 37 05		SHI	
Sept.2	F	20 36 32.9		SHI	
Sept.2	e F	21 18 45		SHI	
Sept.2	e P	22 27 31		SHI	
Sept.2	iP	22 49 02.9	D	SHI	
Sept.3	F	01 03 11.5		SHI	
Sept.3	iP	01 24 09.0	C	SHI	
Sept.3	e P	02 12 43		SHI	
Sept.3	eiP iS	13 22 03.0 30.0	(C)	TAB	
Sept.3	e F	14 37 42		MSH	
Sept.3	iP	16 20 59.3	C	SHI	
Sept.3	e F	16 43 37		SHI	
Sept.3	e P	17 31 01		SHI	
Sept.3	eiP iS	20 44 15.5 40.0		TAB	
Sept.3	eiP iS	21 03 23.5 52.7		TAB	
Sept.3	e F eiS	23 05 40 06 14.5		TAB	
Sept.4	e F e S	00 29 24 30		MSH	
Sept.4	eiP	01 34 51.0		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Sept.4	F	04 44 50		SHI	
Sept.4	e P e S	06 11 42 12 00 00 00		TAB	
Sept.4	e P e P	09 53 48 54 11		MSH SHI	
Sept.4	e P	11 30 07		SHI	
Sept.4	iP	11 36 13.3	C	SHI	
Sept.4	eiP e S	21 50 14.0 41 01 01		TAB	
Sept.4	e P	22 15 52		SHI	
Sept.4	e P	23 34 47		TAB	
Sept.5	e P e S	00 26 25 43		TAB	
Sept.5	F	00 30 13.0		SHI	
Sept.5	e P	00 40 46		SHI	
Sept.5	eiP e S	01 25 42.5 26 07 00 00		MSH	
Sept.5	e P e S e P	04 03 58 10 18 10 06		MSH SHI	
Sept.5	e P e S e P	07 54 36 55 17 54 54 00 00		TEH MSH	
Sept.5	e P	09 00 51		SHI	
Sept.5	F eiP	18 17 16.0 27.0 (D)		SHI TAB	
Sept.5	e P	22 07 54		TAB	

Date	Phase	Time (GMT)	I.M.T	Sta.	Dist. (Km.)
Sept. 5	e P	22 38 35		TAB	
	e P	39 55			
Sept. 6	e P	09 00 52		SHI	
Sept. 6	iP	16 02 06.9		SHI	
Sept. 6	P	17 55 11.0		SHI	
Sept. 6	P	18 40 54.0		SHI	
Sept. 6	e P	19 00 30		SHI	
Sept. 6	e P	19 19 48		SHI	
Sept. 6	eiP	19 27 43.0		SHI	
Sept. 6	e P	21 02 55		SHI	
Sept. 6	e P	21 30 54		SHI	
Sept. 6	e P	21 39 49		SHI	
Sept. 6	e P	22 31 46		SHI	
Sept. 6	e P	22 46 29		SHI	
Sept. 6	iP	23 33 18.1	C	SHI	
Sept. 6	iP	23 42 57.4	C	SHI	
Sept. 6	e P	23 49 36		SHI	
Sept. 7	e P	00 09 52		SHI	
Sept. 7	e P	00 25 10		SHI	
Sept. 7	P	00 28 35.0		SHI	
Sept. 7	e P	00 36 07		SHI	
Sept. 7	e P	01 26 52		SHI	
Sept. 7	iP	01 41 24.6		SHI	

Date	Phase	Time (GMT)	I.M.T	Sta.	Dist. (Km.)
Sept. 7	iP	02 24 38.8		SHI	
Sept. 7	eiP	02 52 11.0		SHI	
Sept. 7	iP	03 59 52.8		SHI	
Sept. 7	iP	07 02 03.5		TAB	
Sept. 7	eiP	10 02 06.0		SHI	
Sept. 7	e P	16 23 18		SHI	
Sept. 7	P	16 26 17.0		SHI	
Sept. 7	e P	17 30 09		TAB	
	iS	27.0			
Sept. 7	e P	18 09 16		SHI	
Sept. 7	e P	19 36 00		TAB	
Sept. 7	iP	20 27 29.0		TEH	
	eiS	30.5			
Sept. 7	e P	20 29 10		TAB	
Sept. 7	e P	20 38 46		SHI	
Sept. 7	e P	21 34 50		TAB	
Sept. 7	e P	22 47 05		SHI	
Sept. 7	e P	22 53 36		SHI	
Sept. 8	e P	00 10 20		TAB	
Sept. 8	e P	01 22 41		TAB	
Sept. 8	e P	06 34 24		TAB	
	e S	041			
Sept. 8	e P	07 51 13		TAB	
Sept. 8	P	08 47 31.5		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Sept. 8	e PMS	08 50 51	MS	MSH	7.3902
Sept. 8	e PMS	10 49 14	SS	SHI	7.3902
Sept. 8	e(F)	11 36 49	SS	MSH	7.3902
Sept. 8	USCGS: 12 07 50, 22.5S, 10.7W, h= 33 km. Mag.= 5.4 (CGS). South Atlantic Ridge.				
	F	12 19 59		SHI	7.3902
	e P	20 12		TEH	9200
	e P	21 46		MSH	7.3902
	e P	22 26		TAB	7.3902
Sept. 8	USCGS: 12 18 14.8, 36.4N, 70.2E, h= 223 km. Mag.= 4.9 (CGS). Hindu Kush Region.				
	e P	12 21 44		TEH	1730
	P	53.5	C	SHI	7.3902
Sept. 8	e PMS	19 28 41	SS	SHI	7.3902
Sept. 8	USCGS: 21 15 52.8, 2.4N, 128.4E, h= 96 km. Mag.= 6 $\frac{1}{4}$ - 7 (PAS), 6.7 - 7.1 (BRK), 6 $\frac{1}{4}$ - 7 (PAL), 6.9 (CGS). Halmahera.				
	iP	21 27 06.5	C	MSH	7.3902
	e S	36 16			7.3902
	iP	28 07.2	C	TAB	7.3902
	iS	38 17.2			7.3902
	iP	27 34.2	C	SHI	7.3902
	ei(S)	37 13			7.3902
	iP	27 43.0	C	TEH	8690
	ipP	28 08.5			7.3902
	e S	37 27			7.3902
	ei(ScS)	56.5			8.3902
	eiP	54 42			8.3902
Sept. 8	USCGS: 21 55 40.1, 45.4N, 150.5E, h= 32 km. Mag.= 5.6 (CGS). Kurile Islands.				
	eiP	22 06 24.0		MSH	7.3902
	iP	58.5	C	TEH	7930
	eiP	07 07.0	(C)	TAB	8.3902
	iP	07 17.5	C	SHI	8.3902

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Sept. 8	PMS	22 44 12.0	SS	SHI	7.3902
Sept. 8	PMS	22 53 10.0	SS	SHI	7.3902
Sept. 8	e PMS	23 19 04	SS	SHI	7.3902
Sept. 9	e PMS	05 15 26	SS	TEH	01.3902
	e S	16 02			01.3902
Sept. 9	e P	09 41 (43)		KER	01.3902
Sept. 9	e(F)	11 42 15		MSH	01.3902
Sept. 9	P	12 14 29.0	C	SHI	01.3902
Sept. 9	e P	14 42 07		KER	01.3902
	e S	27			01.3902
	e P	34		TEH	01.3902
	e S	43 17			01.3902
	e P	13		TAB	01.3902
Sept. 9	e P	15 01 20		KER	01.3902
Sept. 9	e P	17 43 (04)		KER	01.3902
Sept. 9	eiP	10 31 40.0		SHI	01.3902
Sept. 9	eiP	19 57 41.5		TEH	01.3902
	e S	58 03			01.3902
	e P	53		MSH	01.3902
	e P	55		KER	01.3902
Sept. 9	e P	20 35 30		TEH	01.3902
	eiS	49.5			01.3902
	e P	20 36 (00)		KER	01.3902
	e P	19		TAB	01.3902
Sept. 9	USCGS: 20 42 06.3, 14.7N, 52.3E, h= 28 km. Mag.= 4.9 (CGS). Eastern Gulf of Aden.				
	e P	20 45 30		SHI	01.3902
	e P	43 39		KER	01.3902
	e(S)	50 11			01.3902
	e P	46 49		TEH	2320
	e S	50 24			01.3902
	eSS	58			01.3902
	eiP	47 04.5		MSH	01.3902
	e P	20		TAB	01.3902

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Sept.9	eiP	22 52 04.5		MSH	
Sept.9	e P	23 00 11		KER	
Sept.9	P	23 04 05.0		SHI	
Sept.10	P	00 12 30.0		SHI	
Sept.10	e P	01 38 07		TAB	
Sept.10	eiP	02 38 36		SHI	
Sept.10	e P	03 33 53		TAB	
Sept.10	eiP	04 05 02.5		TAB	
Sept.10	e P	05 27 14		KER	
Sept.10	P	08 08 46.5		SHI	
Sept.10	e P	09 04 (57)		KER	
Sept.10	P	09 08 27.5		SHI	
Sept.10	USCGS: Turkey.	10 09 51, 39.2N, 41.4E, h= 33 km.			
	eiP	10 11 10.0		TAB	
	iS	12 14.0			
	e P	11 43		KER	
	e P	12 14		TEH	1100
Sept.10	e P	10 19 12		MSH	
Sept.10	e P	12 14 (04)		KER	
Sept.10	e P	12 44 53		KER	
Sept.10	e P	13 41 51		TEH	
Sept.10	e P	17 49 38		TEH	
Sept.10	P	17 52 56.5		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Sept.10	eiP	22 16 43.0		MSH	
	e S	17 39			
	e P	16 53		TEH	
	e S	17 51			
Sept.10	e P	22 42 52		TAB	
	eiS	43 06.5			
Sept.11	e P	07 20 14		SHI	
Sept.11	e P	07 26 26		TAB	
Sept.11	e P	10 46 (33)		KER	
Sept.11	e P	10 48 58		TEH	
	e S	49 51			
Sept.11	e P	11 31 (12)		KER	
Sept.11	e P	11 36 58		KER	
Sept.11	P	16 02 36.5		SHI	
Sept.11	e P	16 48 (44)		KER	
Sept.11	P	17 56 29.0		SHI	
	e P	(32)		KER	
Sept.11	e P	21 41 42		SHI	
Sept.12	eiP	00 49 59.0		TAB	
	eiS	50 30.5			
	e P	(13)		KER	
Sept.12	e(P)	09 15 45		TAB	
Sept.12	ei(P)	09 31 28.5		TAB	
Sept.12	e P	10 12 39		SHI	
Sept.12	e P	11 44 (34)		MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Sept. 12	USCGS: 11 29 40.3, 23.1S, 170.6E, h= 49 km. Mag.= 6½ - 6¾ (PAS), 6.4 - 6.7 (BRK), 6¾ (PAL), 6.1 (CGS). Loyalty Islands Region.				
	e P'	11 48 (29)		MSH	
	e P'	(33)		KER	
	P'	36.0		SHI	
	e P'	40		TEH	14170
	ePP	50 37			
	e(PKS)	51 58			
	e(SPPP)	53 48			
	iP'	48 48.0	D	TAB	
Sept. 12	P	16 02 00.0		SHI	
Sept. 12	e P	17 09 (39)		MSH	
Sept. 13	P	01 09 14		SHI	
Sept. 13	e P	02 54 (03)		MSH	
	e P	23		TEH	
Sept. 13	e P	10 52 30		TEH	
Sept. 13	eiP	19 06 32.5		TAB	
Sept. 13	iP	19 08 15.5		TAB	
Sept. 13	iP	19 10 22.2		TAB	
Sept. 13	e P	19 12 14		SHI	
Sept. 13	iP	19 12 45.6		TAB	
Sept. 13	iP	19 16 23.7		TAB	
Sept. 13	eiP	20 24 59.5		TAB	
Sept. 13	USCGS: 20 23 51, 38.9N, 40.6E, h= 33 km. Mag.= 4.5 (CGS). Turkey.				
	iP	20 25 11.7		TAB	
	iS	26 23.0			
	e P	25 (42)		KER	
	e P	26 26		TEH	1200
	e P	27 02		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Sept. 13	e P	20 33 (13)		MSH	
Sept. 13	e P	23 44 23		TEH	
Sept. 13	P	23 56 29.0		SHI	
	e P	(56)		KER	
	eiP	57 00.5		TAB	
Sept. 14	USCGS: 00 47 55, 19.6N, 56.4E, h= 23 km. Mag.= 5.3 (CGS). Arabian Sea.				
	P	00 50 40.0		SHI	
	e P	51 52		KER	
	e S	55 48			
	e P	51 55		TEH	2400
	ePP	52 22			
	e S	55 43			
	e P	52 (02)		MSH	
	e P	30		TAB	
	e(S)	57 06			
Sept. 14	iP	03 37 51.0	D	TAB	
	iS	58.2			
Sept. 14	e P	18 48 21		SHI	
Sept. 14	P	19 59 29.0	C	SHI	
Sept. 14	e P	20 00 (35)		KER	
Sept. 14	e P	23 31 11		SHI	
Sept. 14	eiP	23 33 35.0		TAB	
Sept. 14	USCGS: 23 18 41.6, 60.1S, 27.0W, h= 33 km. Mag.= 6.2 (CGS). South Sandwich Islands Region.				
	e P	23 37 10		SHI	
	e P	21		TAB	
	iPP	30 32.0			
	e P	37 22		TEH	12910
	ePP	38 29			
	eS	45 19			
	eP	48 11			
	e P	(37) (33)		MSH	
	e P	(50)		KER	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Sept. 14	P	23 48 12.0		SHI	
Sept. 15	P	00 04 47.0		SHI	
Sept. 15	e P	00 16 (29)		KER	
Sept. 15	e P	00 22 23		SHI	
Sept. 15	e P	04 26 (14)		MSH	
Sept. 15	e P	11 03 13		TAB	
Sept. 15	e P	11 09 13		TAB	
Sept. 15	e P	11 12 04		TAB	
Sept. 15	P	11 55 45.0		SHI	
Sept. 15	USCGS: 11 51 55.7, 60.3S, 26.7W, h= 33 km. Mag.= 5.7 (CGS). South Sandwich Islands Region.				
	e P	12 10 32		TAB	
	e P	12 10 38		TEH	13030
	e P	11 53			
	e P	18 36			
	e P	21 39			
	e P	12 10 (50)		MSH	
	e P	11 00		SHI	
Sept. 15	e P	13 11 25		KER	
Sept. 15	e P	14 53 17		KER	
	e P	54 16		TAB	
Sept. 15	e P	15 19 52		KER	
Sept. 15	USCGS: 17 10 46.8, 22.8N, 121.4E, h= 47 km. Mag.= 5.5 (CGS). Taiwan Region.				
	eiP	17 20 (17.0)		MSH	
	e P	53		TEH	6780
	e S	29 22			
	e P	21 00		SHI	
	eiP	21 25.0 (C)		TAB	
	iS	30 09.0			
	e P	21 (26)		KER	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Sept. 15	e P	17 34 (18)		MSH	
	e P	59		SHI	
Sept. 15	e P	18 19 51		SHI	
Sept. 15	e P	19 27 51		SHI	
Sept. 15	P	21 33 55.0		SHI	
Sept. 15	e P	22 30 08		SHI	
	eiP	39 53.0		TAB	
Sept. 16	e P	02 12 11		SHI	
Sept. 16	e P	02 14 45		TAB	
Sept. 16	eiP	02 32 51.0		SHI	
Sept. 16	USCGS: 02 48 21.8, 54.1N, 163.5W, h= 39 km. Mag.= 5.3 (CGS). Unimak Islands Region.				
	eiP	03 00 55.0		TAB	
	eiP	01 00.0		TEH	9560
	P	23.0		SHI	
Sept. 16	e P	06 19 23		TAB	
Sept. 16	e P	08 03 08		SHI	
	e P	37		KER	
Sept. 16	iP	11 44 06.0	C	SHI	
Sept. 16	e P	13 05 53		KER	
Sept. 16	e P	14 04 46		KER	
Sept. 16	USCGS: 17 10 39.0, 53.8N, 163.1W, h= 34 km. Mag.= 4.9 (CGS). Unimak Islands Region.				
	e P	17 23 15		TAB	
	e P	19		TEH	9600
	epP	29 21			
	e P	43		SHI	
Sept. 16	e P	23 35 21		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Sept. 17	e P	00 53 41		SHI	
Sept. 17	e P	02 28 02		TAB	
Sept. 17	e P iS	11 33 19 32.0		TAB	
Sept. 17	iP iS	11 39 51.4 40 01.8		TAB	
Sept. 17	eiP iS	12 58 49.0 59 30.0		TAB	
Sept. 17	e P	16 33 (08)		MSH	
Sept. 17	P	17 51 47.5		SHI	
Sept. 17	eiP iS	18 39 40.5 51.0		TAB	
Sept. 17	P	18 49 09.5		SHI	
Sept. 17	USCGS: 19 42 52, 40.0N, 41.8E, h= 33 km. Turkey, Felt at Varto.				
	iP iS	19 43 54.3 44 49.8	D	TAB	
	e P e P eiP	44 45 45 (19) 47 18		KER TEH SHI	1130
Sept. 17	e P	19 53 49		SHI	
Sept. 17	iP e S e P	19 55 58.7 57 00 56 25	D	TAB KER	
Sept. 17	e P	19 58 (51)		SHI	
Sept. 17	P	20 24 08		SHI	
Sept. 17	e P e P iS	20 26 15 27 54 28 02.7		KER TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Sept. 17	e P e P	20 36 54 58		TAB KER	
Sept. 17	e P	20 40 (12)		MSH	
Sept. 17	iP e P	21 03 02.3 04 27	D	SHI KER	
Sept. 17	P	21 14 14.0		SHI	
Sept. 17	P	21 27 22.0		SHI	
Sept. 17	ei(P)	21 27 47.0		TAB	
Sept. 17	e P	21 33 10		SHI	
Sept. 17	e P iS	21 50 22 27.5		TAB	
Sept. 17	e P	22 16 47		KER	
Sept. 17	e P	22 34 45		SHI	
Sept. 17	P e P iP	23 28 00.0 36 46.8	C	SHI KER TAB	
Sept. 18	eiP e P e P e(S)	00 00 46.5 02 13 38 03 37		SHI KER TEH	
Sept. 18	e P	00 06 (04)		MSH	
Sept. 18	P e P	00 43 31.0 39		SHI KER	
Sept. 18	iP	04 46 03.2	D	SHI	
Sept. 18	e P	05 33 42		SHI	
Sept. 18	e P	06 33 (20)		KER	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Sept. 10	iP	06 55	D	TEH	
	eiS	23.0			
Sept. 10	e P	56 (20)		KER	
	e P	57 13		TAB	
Sept. 10	iS	29.2			
Sept. 10	iP	07 42	D	TEH	
	eiS	59.0			
Sept. 10	e P	07 44 01		KER	
	e P	45 05		TAB	
Sept. 10	e P	08 36 (35)		TEH	
Sept. 10	e P	09 57 47		TAB	
Sept. 10	e P	11 55 05		TAB	
Sept. 10	USCGS: 11 58 29, 13.ON, 57.6E, h= 33 km. Arabian Sea.				
Sept. 10	iP	12 02 26.9	C	SHI	
	e P	03 36		KER	
	e P	38		TEH	2630
Sept. 10	e P	13 14 14		TEH	
Sept. 10	P	14 24 08.0		SHI	
	e P	47		KER	
	eiP	52.0		TAB	
Sept. 10	e P	14 37 (11)		MSH	
Sept. 10	e(F)	15 31 58		TEH	
Sept. 10	e(P)	15 47 38		MSH	
Sept. 10	eiP	17 04 50.0		SHI	
Sept. 10	F	19 20 23.0		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Sept. 10	USCGS: 20 43 53.3, 27.3N, 54.3E, h= 16 km. Mag.= 6.2 (CGS). Southern Iran.				
	iP	20 44 35.8	C	SHI	
	iP	45 55.5	C	TEH	920
	eiPPP	46 11.5			
	e S	47 24			
	e P	46 03		KER	
	e(S)	47 47			
	iP	46 (18.6)	C	MSH	
	eiS	48 (42.0)			
	eiP	46 46.0	C	TAB	
Sept. 10	e P	21 56 40		TAB	
Sept. 10	e P	22 05 27		SHI	
Sept. 10	e P	22 28 45		TAB	
	e S ₁	29 17			
	iS ₂	45.2			
	e P	(34)		KER	
Sept. 10	e P	22 49 27		SHI	
Sept. 10	e P	23 22 09		SHI	
Sept. 10	iP	23 32 20.9	D	KER	
Sept. 10	P	23 41 23.0		SHI	
Sept. 10	P	00 10 19.5		SHI	
Sept. 10	P	00 22 10.5		SHI	
Sept. 10	P	00 56 59.0		SHI	
Sept. 10	e P	00 59 (03)		KER	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Sept. 19	USCGS: 02 03 39, 33.4N, 42.7E, h= 35 km. Mag. = 4.9 (CGS). Turkey.				
	e P	02 04 22		TAB	
	i(S)	05 19.0			
	e P	04 54		KER	
	e(S)	06 25			
	e P	05 29		TEH	1320
	e S	07 39			
	e P	06 18		SHI	
	e P	(56)		MSH	
Sept. 19	e P	02 50 29		TAB	
	e S ₁	40			
	e S ₂	51 24			
Sept. 19	P	05 11 26		SHI	
Sept. 19	e P	05 19 (36)		MSH	
Sept. 19	e P	06 02 43		SHI	
Sept. 19	eiP	07 22 16		SHI	
Sept. 19	eiP	12 42 19		SHI	
Sept. 19	e P	12 44 (51)		KER	
Sept. 19	e P	16 46 36		SHI	
Sept. 19	e P	10 29 46		TEH	
	e S	30 00			
	e P	33		KER	
	e P	31 (04)		MSH	
	e P	06		SHI	
	e P	07		TAB	
	ei(S)	32 14.5			
Sept. 19	eiP	18 47 (47.0)		MSH	
	e S	48 (18)			
Sept. 19	e P	20 24 14		SHI	
Sept. 19	e P	20 41 (14)		MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Sept. 19	e P	21 09 (48)		MSH	
Sept. 19	e P	21 57 45		SHI	
Sept. 20	P	00 40 06.0		SHI	
Sept. 20	e P	04 11 (20)		TAB	
Sept. 20	e P	04 17 15		TAB	
Sept. 20	e P	05 53 17		SHI	
Sept. 20	e P	09 32 (17)		KER	
Sept. 20	e P	14 02 25		SHI	
Sept. 20	P	16 38 18.0		SHI	
Sept. 20	e P	18 22 19		TAB	
Sept. 20	P	20 44 19.0	C	SHI	
	e P	21		KER	
Sept. 20	e P	23 15 29		SHI	
Sept. 20	P	23 44 59.0		SHI	
	e P	45 27		KER	
	eiP	43.0 (D)		TAB	
Sept. 20	P	23 55 55		SHI	
Sept. 21	iP	02 50 51.6	C	TAB	
	iS	54.2			
Sept. 21	iP	04 53 19.0	SC	SHI	
Sept. 21	e P	07 43 04		TAB	
	iS	23.0			
Sept. 21	e P	09 13 14		TAB	
	e S	30			
Sept. 21	e P	12 14 13		SHI	
Sept. 21	ei(P)	13 45 43	C	TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Sept. 21	e F	13 57 10		TEH	
Sept. 21	e F	16 34 39		TAB	
	e F	35 22		KER	
Sept. 21	eiP	17 13 (45.0)		MSH	
Sept. 21	eiP	20 34 31.3		TAB	
	iS	56.3			
	e P	35 20		KER	
	e P	49		TEH	
	e(S)	37 10			
Sept. 22	e P	00 04 58		SHI	
Sept. 22	P	00 16 11.5		SHI	
Sept. 22	e P	01 32 33		TEH	
	eiS	47.5			
Sept. 22	e P	03 15 53		TAB	
Sept. 22	eiP	05 22 23.5	(D)	TAB	
	iS	43.0			
	e P	23 (05)		KER	
Sept. 22	e P	11 30 23		TAB	
	iS	38.5			
Sept. 22	e P	16 36 (44)		MSH	
Sept. 22	e(P)	17 25 (22)		MSH	
Sept. 22	e P	18 32 17		SHI	
	e P	36		TAB	
	e P	42		KER	
Sept. 22	e P	19 33 43		KER	
	e S	34 08			
Sept. 22	e(P)	19 45 (12)		MSH	
Sept. 22	e F	20 20 08		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Sept. 22	e F	22 02 34.5		SHI	
	e P	03 10		TAB	
	e P	03 10		KER	
Sept. 22	iP	22 12 56.3	C	SHI	
	e P	14 30		KER	
Sept. 22	eiP	23 23 28.0		TAB	
	e P	24 (30)		KER	
Sept. 22	e P	23 55 10		SHI	
Sept. 23	USCGS: 01 29 47.2, 44.7N, 150.3E, h= 34 km. Mag.= 5.2 (CGS). Kurile Islands.				
	eiP	01 40 (40.0)		MSH	
	e P	41 10		TEH	8010
	eipFP	21.5			
	e S	50 29			
	eiP	41 17.5	C	TAB	
	S	50 43			
	F	41 26.5		SHI	
	e S	51 06			
	e P	41 29		KER	
Sept. 23	P	01 53 10.0		SHI	
Sept. 23	P	02 13 45.0		SHI	
Sept. 23	iP	05 34 03.0	(D)	TAB	
	iS	23.8			
Sept. 23	e P	13 02 02		TEH	
Sept. 23	e P	13 50 (39)		MSH	
Sept. 23	e F	14 58 (06)		MSH	
Sept. 23	USCGS: 20 40 59, 34.2N, 27.2E, h= 178 km. Eastern Mediterranean Sea.				
	e P	20 44 (46)		KER	
	e P	45 32		TEH	2350
	e S	49 18			
Sept. 23	e P	23 52 43		KER	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Sept. 24	USCGS:	10 00	46.4, 27.4N, 54.5E, h= 33 km.		
			Mag.= 5.4 (CGS). Southern Iran.		
	iP	10 01	33.0 C	SHI	
	eiP	02	53.5	TEH	970
	e S	04	34		
	e P	02	58	KER	
	(S)	04	46		
	eiP	03	(17.0)	MSH	
	e P		51	TAB	
	iS	07	57.0		
Sept. 24	e P	17 17	20	SHI	
Sept. 24	e P	20 25	55	KER	
	P	26	51.0	SHI	
Sept. 24	e P	20 35	47	SHI	
Sept. 24	e P	21 05	47	SHI	
Sept. 25	e P	02 17	05	TAB	
Sept. 25	P	06 21	22	SHI	
Sept. 25	e(P)	06 31	46	TAB	
Sept. 25	e P	14 06	(46)	MSH	
Sept. 25	iP	14 53	21.3	TAB	
	iS		37.0		
Sept. 25	e P	19 14	23	SHI	
Sept. 25	F	20 31	29.0	SHI	
Sept. 25	e P	22 41	19	TEH	
	e S		43		
	e P		43 (23)	KER	
Sept. 25	e P	23 16	17	TEH	
	e S		38		
	e P		41	KER	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Sept. 25	USCGS:	23 49	00.6, 35.4N, 140.5E, h= 75 km.		
			Mag.= 4.7 (CGS). Near East Coast of Honshu, Japan.		
Sept. 26	e P	00 00	06	TEH	7750
	P		20.0	SHI	
	e P		26	KER	
Sept. 26	e P	00 40	54	KER	
Sept. 26	USCGS:	05 10	58.1, 27.5N, 92.6E, h= 33 km.		
			Mag.= 5.3 (CGS). India-China border region.		
	eiP	05 17	(05.5)	MSH	
	e P		58	TEH	4000
	e P		18 26	KER	
	iP		33.4 C	TAB	
Sept. 26	e P	06 43	04	KER	
Sept. 26	e P	11 34	(53)	MSH	
Sept. 26	e P	11 43	25	TEH	
	eiS		34.5		
Sept. 26	e P	19 48	23	SHI	
Sept. 26	e P	19 54	52	SHI	
Sept. 27	e P	01 37	48	SHI	
Sept. 27	iP	03 43	40.4	TAB	
	iS		44.0		
Sept. 27	e P	17 09	43	KER	
Sept. 27	e P	18 14	56	KER	
Sept. 27	e P	19 31	07	KER	
Sept. 27	iP	32 49.6	(3)	TAB	
	iS	33	(14.0)		
	e P	33	55	KER	
	e P	34	13	TEH	
	e(S)	35	(48)		
Sept. 27	e P	20 29	19	KER	

Date	Phase	Time (GMT)	I.L.	Sta.	Dist. (Km.)
Sept. 23	e P iS	00 19 02		TAB	28.3
Sept. 23	ciP iS	04 01 11.5 35.0		TAB	28.3
Sept. 23	e P ciS	13 43 08 16.0		TEH	28.3
Sept. 23	USCGS: Mag.= 6.2 (CGS).	14 00 22.9, (27.4N, 100.1E, h= 33 km. Yunnan Province, China.			
	iP	14 07 (22.0) D		MSH	
	iP	08 09.0 D		SHI	
	e P	12		TEH	4660
	ci(pP)	20			
	eiPP	09 57			28.3
	ei(pPP)	10 08			28.3
	eiPPP	16			28.3
	e S	14 34			
	e P	08 41		KER	28.3
	iP	45.2 D		TAB	
	iPP	10 36.2			
	iS	15 34.4			28.3
Sept. 23	e P	15 52 03		SHI	28.3
Sept. 23	e P	16 04 26		TAB	28.3
Sept. 23	P	16 18 42.0		SHI	28.3
Sept. 23	e P	16 50 29		SHI	28.3
Sept. 23	e P	17 03 50		SHI	28.3
Sept. 23	P	18 02 30.5		SHI	28.3
Sept. 23	e P	19 18 34		TAB	28.3
Sept. 23	e P	20 13 (37)		MSH	
	P	19 21.5		SHI	
Sept. 23	e P	21 48 (37)		MSH	
Sept. 23	e P	23 46 29.5		SHI	28.3

Date	Phase	Time (GMT)	I.L.	Sta.	Dist. (Km.)
Sept. 23	e P	23 54 24		KER	28.3
Sept. 23	e P	23 57 19		SHI	28.3
Sept. 29	USCGS: Mag.= 5.5 (CGS).	02 44 19.0, 19.9S, 176.27, h= 246 km. Fiji Islands Region.			
	e P	03 03 13		SHI	
	e P	16		TEH	15330
	ePP	06 21			
Sept. 29	P	06 52 55.0 C		SHI	28.3
	e S	53 16			28.3
Sept. 29	P	06 59 55		SHI	
Sept. 29	e P	07 47 32		KER	
Sept. 29	e P	08 45 (30)		SHI	
Sept. 29	e P	13 34 55		TEH	28.3
	ciS	35 05.0			
Sept. 29	e P	14 59 12		TAB	
	e S	41			28.3
Sept. 29	P	15 07 41.5		SHI	28.3
Sept. 29	USCGS: Mag.= 4.9 (CGS).	17 44 34, 27.9N, 54.3E, h= 25 km. Southern Iran.			
	e P	17 46 35		TEH	910
	e P	46		KER	
	e(S)	48 21			
	e P	47 10		MSH	28.3
	e P	37		TAB	28.3
Sept. 29	iP	18 30 05.5 C		TEH	28.3
	ciS	49.0			28.3
	iP	31 20.4		TAB	
	iS	28.0			28.3
	e P	32 (03)		MSH	
	e S	(56)			
Sept. 29	e P	20 00 56		KER	28.3

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Sept. 29	iP	21 39 23.6	C	SHI	
Sept. 29	e P	22 09 (58)		TEH	
	e(S)	11 31			
	e P	10 (07)		KER	
	eiP	10 58.0		SHI	
	e P	11 27		TAB	
Sept. 30	e P	01 01 02		SHI	
Sept. 30	P	03 35 26		SHI	
Sept. 30	BCIS:	05 59 48	38.9N, 64.5E,		
	Mag. = 5.3 (Upper)		Auzbekie (USSR).		
	eiP	06 01 (07.5)		MSH	
	e P	02 29		TEH	1240
	eiP	03 05		SHI	
	iP	24.5		TAB	
Sept. 30	e P	09 43 32		KER	
Sept. 30	P	09 48 02		SHI	
Sept. 30	e P	12 03 10		TAB	
Sept. 30	P	14 33 15		SHI	
Sept. 30	eiP	15 13 42.5		SHI	
Sept. 30	iP	15 18 12.9		TAB	
	iS	27.0			
	e P	19 10		KER	
Sept. 30	e P	16 11 09		KER	
Sept. 30	eiP	17 21 58.5		SHI	
Sept. 30	e P	19 55 17		SHI	
Sept. 30	e P	21 28 38		TEH	
	e S	29 06			
	e P	29 (50)		KER	
Sept. 30	e P	22 57 39		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Oct. 1	e P	06 38 46		KER	
	e S	53			
Oct. 1	USCGS:	07 39 29.0, 34.8N, 71.0E,			h= 25 km.
	Mag. = 5.3 (CGS).				West Pakistan.
	e P	07 41 (00)		MSH	
	e P	42 20		TEH	1840
	e S	45 15			
	iP	43 07.0	C	TAB	
Oct. 1	e P	23 26 33		SHI	
Oct. 2	P	02 34 50.0		SHI	
Oct. 2	e P	04 12 52		KER	
	e S	13 10			
Oct. 2	USCGS:	07 23 35.5, 51.6N, 174.5W,			h= 34 km.
	Mag. = 5.1 (CGS).				Andreasof Islands, Aleutian Islands.
	e P	07 35 (48)		MSH	
	eiP	36 05.0	C	TAB	
	e P	36 05		TEH	9350
	e(PP)	39 13			
	e(S)	46 31			
	eiScS	46.0			
	e P	36 23		SHI	
	e(S)	47 14			
Oct. 2	e P	11 18 14		MSH	
Oct. 2	USCGS:	11 21 44.9, 45.7N, 26.5E,			h= 140 km.
	Mag. = 5.3 (CGS).				Rumania.
	e P	11 25 32		TAB	
	iP	26 11.7		KER	
	eiP	26 23.0	C	TEH	2390
	eiS	30 11.0			
	ePcP	31			
	iP	27 05.9	C	SHI	
Oct. 2	e P	15 05 57		SHI	
Oct. 2	e P	15 51 37		KER	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Oct.2	e P	15 58 (31)		KER	
Oct.2	e P	16 42 26		SHI	
Oct.2	e P	16 44 (22)		KER	
Oct.2	e P	19 45 09		KER	
Oct.2	e P	19 49 (42)		KER	
Oct.2	iP	20 58 22.0		TAB	
	iS	27.0			
Oct.2	e P	21 27 (25)		KER	
	e P	28 33.5		SHI	
Oct.2	P	22 06 31.0		SHI	
Oct.2	eiP	22 55 (44.5)		MSH	
Oct.3	P	00 39 44.5		SHI	
	e S	40 07			
Oct.3	USCGS:	17 05 10.4, 35.7N, 53.2E, h= 35 km.			
	Mag.= 4.9 (CGS).	Iran.			
	iP	17 05 35.0 C		TEH	160
	S	51.0			
	eiP	06 26.0		MSH	
	e P	(30)		KER	
	e(S)	07 58			
	iP	06 41.0 C		TAB	
Oct.4	e P	01 17 10		TAB	
	iP	15.5			
	iS	24.0			
	e P	50		KER	
Oct.4	e P	02 29 00		TEH	
	e S	39			
Oct.4	e P	04 05 17		MSH	
Oct.4	e P	05 52 16		MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Oct.4	eiP	11 42 35.5		TAB	
	e P	43 33		KER	
Oct.4	e P	11 45 26		TEH	
Oct.4	e P	11 47 11		TAB	
Oct.4	e P	12 11 18		TAB	
Oct.4	e P	13 07 30		TAB	
Oct.4	e P	13 29 41		TAB	
Oct.4	e P	15 30 45		TAB	
Oct.4	iP	18 33 04.8		TAB	
	iS	29.0			
Oct.4	e P	21 50 (40)		KER	
	e P	44		TEH	
	e(S)	52 15			
Oct.4	eiP	21 52 03.5		TAB	
Oct.5	e P	02 27 32		TAB	
Oct.5	e P	08 11 54		TEH	
	e S	12 19			
Oct.5	USCGS:	08 34 40.6, 0.1N, 30.0E, h= 33 km.			
	Mag.= 5.4 (CGS).	Republic of the Congo.			
	e P	08 41 55		KER	
	e P	42 20		TAB	
	eiP	22.0 D		TEH	4550
	e P	44 01			
	e S	48 (33)			
Oct.5	e P	12 23 (16)		MSH	
Oct.5	e P	13 14 46		TEH	
	iS	52.0			
Oct.5	e P	13 58 19		TEH	
	iS	30.0			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Oct.5	e P	20 40 (33)		KER	
Oct.6	e P	02 42 (21)		MSH	
Oct.6	iP	07 49	10.0	KER	
	iS		25.0		
	e P		46	TAB	
	iS	50	25.0		
	e P		02	TEH	
Oct.6	e S	51 08			
Oct.6	iP	08 00 00.0		SHI	
Oct.6	USCGS: 13 48 33.2, 51.3N, 159.6E, h= 33 km. Mag.= 4.6 (CGS). Off East Coast of Kamchatka.				
	e P	14 00 02		TEH	8120
	e P		21	KER	
	iP		24.4	SHI	
Oct.6	P	14 21 51.0		SHI	
Oct.6	eiP	16 01 52.0		SHI	
Oct.6	iP	16 38	44.0	C	TAB
	S ₁	39	17.0		
	S ₂		28.0		
Oct.6	e P	18 03 02		TEH	
	iS		25.0		
	e P		24	KER	
Oct.6	e P	20 07 48		SHI	
Oct.7	e P	02 34 24		TEH	
	iS		(49.0)		
Oct.7	e P	03 56 (25)		TEH	
	iS		39.0		
Oct.7	e P	05 12 (56)		MSH	
Oct.7	e P	09 13 50		TEH	
	e S		58		

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Oct.7	F	12 41 (37)		SHI	
Oct.7	USCGS: 15 55 10.8, 21.6S, 170.5E, h= 161 km. Mag.= 6.4 (CGS). Loyalty Islands Region.				
	eiP'	16 13 (45.0)		MSH	
	P'		(51)	SHI	
	eiP'		53.5	TEH	13970
	ePP	15 47			
	esPP	16 50			
	eSKF	17 17			
	eiSKS	20 46.0			
	eiSKKS	22 29.0			
	eiP'	13 59.5		KER	
	eiP'	14 02.5	C	TAB	
Oct.7	e P	16 33 (45)		SHI	
Oct.7	e P	18 32 30		KER	
Oct.7	e P	19 35 (15)		MSH	
	e P		(54)	SHI	
	e P	36 19		TEH	
Oct.7	USCGS: 20 55 56, 61.6N, 150.1W, h= 56 km. Mag.= 5.7 (CGS). Southern Alaska. Felt at Anchorage, Valdey and Kenai.				
	eiP	21 03 00.5	D	TAB	
	eiP		(02.0)	MSH	
	e P		10	TEH	9060
	e P		20	KER	
Oct.7	e P	21 36 10		TAB	
	e S		18		
Oct.7	iP	22 43 13.8		TAB	
	iS		22.0		

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Oct. 8	USCGS: Mag. = 6.6 - 6.9 (URK), 5.7 (CGS). Region.	00 12 18.1, 16.4S, 177.6W, h= 33 km.		Fiji Islands	
	e P	00 31 (27)		KER	15000
	e P	(35)		TEH	
	e P	34 00			
	e S	35 08			
	e P	31 40		TAB	
	e P	33 (16)		MSH	
Oct. 8	e P	02 53 (22)		KER	
Oct. 8	e (P)	02 57 39		TAB	
Oct. 8	e P	03 11 51		TAB	
	i S	12 27.3			
Oct. 8	e P	10 33 52		TAB	
	e S	35 14			
	e P	34 (40)		KER	
Oct. 8	USCGS: Mag. = 5.5 (CGS). Region.	17 43 56.1, 51.6N, 173.0W, h= 35 km.		Andreanof Islands, Aleutian	
	e P	17 56 16		TEH	9150
	ciP	27.0			
	P	51.0		SHI	
Oct. 8	e P	20 31 42		KER	
	e P	32 52			
Oct. 8	iP	20 38 32.7 C		TAB	
	ciS	52			
	e P	39 (14)		KER	
Oct. 8	P	21 09 18.5		SHI	
Oct. 8	e P	22 38 (35)		KER	
Oct. 9	e P	00 31 30		SHI	
Oct. 9	e (P)	06 26 (06)		MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Oct. 9	USCGS: Mag. = 5.1 (CGS). Region.	06 48 40.3, 12.6N, 30.8E, h= 11 km.		Sudan	
	P	06 54 13.0		SHI	
	ciP	19.5		KER	
	iP	44.0		TAB	
	ciP	49.0		TEH	3300
	e P	55 58			
	eiS	59 51.0			
	ciP	55 (40.0)		MSH	
Oct. 9	ciP	10 34 02.5		KER	
	P	03.0		SHI	
	e P	22		TAB	
Oct. 9	e (P)	10 48 (45)		MSH	
Oct. 9	iP	13 40 17.4 C		SHI	
Oct. 9	P	47 28.7		SHI	
Oct. 9	P	14 20 40.2		SHI	
Oct. 9	e P	20 03 58		TAB	
Oct. 9	e P	21 43 14		TAB	
	e S ₁	22			
	e S ₂	28			
Oct. 9	e P	22 27 (30)		KER	
Oct. 9	e P	23 18 53		TAB	
Oct. 10	e P	01 21 (33)		MSH	
Oct. 10	e P	04 16 53		TAB	
Oct. 10	e P	06 10 26		TAB	
Oct. 10	e P	00 30 37		KER	
	e S	45			
	e P	32 38		TAB	
Oct. 10	e P	10 12 17		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Oct. 10	e P e P	13 22 52 53		KER TAB	
Oct. 10	eiF	18 35 02.5		TAB	
Oct. 10	e P e P	19 06 57 07 24		TAB KER	
Oct. 10	eiP	20 52 49.5		TAB	
Oct. 10	e P	23 40 03		KER	
Oct. 11	F	05 58 21		SHI	
Oct. 11	e P e P e P	06 44 (58) 45 (12) 29		MSH KER TAB	
Oct. 11	e P P e P	10 13 (45) 14 31.0 15 24		MSH SHI TAB	
Oct. 11	F	16 55 03.5		SHI	
Oct. 11	e P	17 02 43		KER	
Oct. 11	e P e P e S e P e P	17 37 (04) 21 38 41 37 (42) 38 35		SHI TEH MSH KER	
Oct. 11	e P	20 08 (55)		SHI	
Oct. 11	e P	20 13 16		TEH	
Oct. 11	e P e P	21 00 00 04		SHI TAB	
Oct. 11	F	21 56 01.0		SHI	
Oct. 11	e P iS	22 04 14 05 12.0		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Oct. 12	USCGS:	00 06 37.8, 11.9S, 121.9E, h= 33 km.			
	Mag.= 5.7 (CGS).	South of Timor.			
	eiF	00 18 (27.5)		MSH	
	eiF (S)	29 31.0		SHI	
	e P	18 55		TEH	9100
	eiS	29 00.0			
	eiScS	15.0			
	e P	19 08		KER	
	e(S)	29 30			
	eiP	19 19.0	C	TAB	
	iS	29 46.0			
Oct. 12	e P	00 34 (28)		KER	
Oct. 12	F e P	00 51 10.0 52 (39)		SHI KER	
Oct. 12	e P	02 25 09		SHI	
Oct. 12	e P e P e S	05 25 (45) 56 26 51		KER TEH	
Oct. 12	e P	15 04 (12)		MSH	
Oct. 12	e(F)	22 14 (17)		MSH	
Oct. 13	F	00 56 (23.0)		SHI	
Oct. 13	e P e P	01 27 (47) (48)		KER SHI	
Oct. 13	USCGS:	12 42 42.0, 31.1, 90.1E, h= 33 km.			
	Mag.= 5.3 (CGS).	Tibet.			
	e P	12 46 (39)		MSH	
	eiF	55		SHI	
	e P	59		TEH	2710
Oct. 13	e(F)	12 53 50		TAB	
Oct. 13	eiF	16 04 02		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Oct. 13	e P	18 47 (13)		KER	
	e P	24		TAB	
Oct. 13	e P	18 56 (24)		MSH	
	e P	36		TAB	
Oct. 13	iP	23 23 58.3	C	SHI	
Oct. 14	USCGS: 01 04 43.3, 36.4N, 37.5E, h= 24 km. Mag.= 5.2 (CGS). Southern Sinkiang Prov., China.				
	eiP	01 09 (48.5)		MSH	3120
	e P	10 35		TEH	
	ePP	11 24			
	ePPP	40			
	e S	15 (21)			
	eiP	10 51.5		SHI	
	e P	11 14		KER	
	iP	17.4	D	TAB	
Oct. 14	e(P)	02 53 (44)		MSH	
Oct. 14	eiP	17 27 56.5		TAB	
	e S	28 40			
	e P	(57)		KER	
Oct. 14	e P	17 36 13		TAB	
	e S	52			
Oct. 14	e P	20 17 54		KER	
	e P	58		TAB	
	iS ₁	10 33.5			
	S ₂	52			
Oct. 14	e P	22 27 58		KER	
	e P	28 14		TEH	
Oct. 15	USCGS: 06 54 20, 13.ON, 50.5E, h= 33 km. Mag.= 4.7 (CGS). Eastern Gulf of Aden.				
	e P	06 58 06		SHI	
	e(S)	07 01 22			
	e P	06 59 05		KER	
	eiP	19.0	C	TEH	2510
	eiS	07 03 24.0			
	iP	06 59 45	C	TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Oct. 15	i(S)	07 04 16			
	eiP	06 59 (45.5)		MSH	
Oct. 15	e P	07 27 44		TAB	
Oct. 15	e P	07 33 47		SHI	
Oct. 15	e P	08 05 08		SHI	
Oct. 15	e P	08 07 22		SHI	
	e P	08 17		KER	
	e P	28		TEH	
Oct. 15	e P	09 10 29		SHI	
Oct. 15	e P	09 22 03		SHI	
	e P	23 00		TEH	
	e P	23 00		KER	
	e P	14		TAB	
Oct. 15	e P	12 08 52		TAB	
Oct. 15	e P	12 45 47		TAB	
	iS	46 15			
	e P	(03)		KER	
Oct. 15	e P	13 38 51		TAB	
Oct. 15	e P	14 30 20		SHI	
Oct. 15	e P	14 33 50		TAB	
Oct. 15	e P	15 56 49		TAB	
	iS	57 08.0			
Oct. 15	e P	13 11 20		SHI	
Oct. 16	e P	03 58 47		TAB	
	iS	59 13.8			
Oct. 16	e P	05 29 49		KER	
Oct. 16	e P	06 17 (29)		KER	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Oct. 16	iP iS	07 14 08.0 (8.8) 30.0		TAB	
Oct. 16	P	09 25 15		SHI	81.350
Oct. 16	USCGS: 09 26 36.5, 30.ON, 68.6E, h= 33 km. Mag.= 4.9 (CES). West Pakistan.				
	e P	09 29 54		SHI	
	e P	30 (10)		MSH	
	e S	32 (20)			
	e P	30 18		TEH	1750
	e S	33 11			
	e(SS)	27			
	e P	30 53		KER	
	e P	31 12		TAB	
	i(S)	35 02.0			
Oct. 16	e P	17 48 31		SHI	
	e P	50 40		TAB	
	e S	02 59			
Oct. 16	eiP	19 45 (45.0)		MSH	
Oct. 16	e P	21 24 41		SHI	
Oct. 16	e P	22 45 08		TEH	
	e S	14			
Oct. 17	P	07 51 04.0		SHI	
Oct. 17	e P	09 15 48		TAB	
	e S	17 01			
	e P	16 (44)		KER	
Oct. 17	e(P)	10 34 (40)		MSH	
	e(P)	35 (28)		SHI	
	e(P)	36 08		TAB	
Oct. 17	P	11 33 55		SHI	
Oct. 17	eiF	13 25 35.0		SHI	
Oct. 17	e P	13 47 39		SHI	
Oct. 17	e P	14 55 45		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Oct. 17	e P	16 42 10		SHI	81.350
Oct. 17	P	18 38 12		SHI	81.350
Oct. 17	e P	21 13 33		SHI	
	e P	14 (29)		KER	
Oct. 17	USCGS: 21 41 56.3, 10.7S, 78.7W, h= 30 km. Mag.= 7½ (PAS), 7.5 (BRK). Near Coast of Peru, about 125 killed over 3000 injured and major property damage. Tsunami of 11.3 Feet at La Punta, Peru and 1.6 Feet at Valparaiso Chile.				
	iP	21 57 30	C	TAB	
	e P	49		TEH	14380
	e P	22 01 02			
	eiPP	02 59.5			
	P	21 58 02		SHI	
	iP	(27.0)	C	MSH	
Oct. 17	eiF	22 01 (08.0)		MSH	
Oct. 18	e P	02 21 20		SHI	
Oct. 18	e P	03 21 15		TAB	
Oct. 18	e P	09 57 14		KER	81.350
Oct. 18	e P	16 01 04		TAB	81.350
	e S	43			
Oct. 18	e P	18 55 (12)		SHI	81.350
Oct. 18	iP	20 04 31	C	TAB	81.350
	iS	05 34.6			
	e P	(25)		KER	
Oct. 18	P	20 41 48.0		SHI	81.350
Oct. 18	P	22 55 05.0		SHI	81.350
Oct. 19	e P	01 07 37		SHI	81.350
Oct. 19	e P	01 11 20		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Oct.19	e P	01 41 19		TAB	
Oct.19	e P	04 02 32		SHI	
	e P	04 02 (32)		MSH	
	iP	03 52.1	C	SHI	
Oct.19	e P	07 46 (39)		KER	
Oct.19	e P	04 16 00		TAB	
Oct.19	USCGS: 08 01 33.9, 1.6S, 15.5W, h= 33 km. Mag.= 6% (PAS), 6% (CGS, Surface Wave). North of Ascension Island.				
	e P	08 11 (49)		KER	
	eiP	12 39.0		TAB	
	iPP	15 15.5		TAB	
	iS	21 30.0		SHI	
	P	12 56		TEH	8070
	eiP	59.5	D		
	isP	13 13.5			
	eiPP	15 40.5			
	eisPP	55.5			
	iPPP	17 25.5			
	i(S)	22 37.5		MSH	
	eiP	13 (48.0)			
Oct.19	e P	10 24 17		SHI	
Oct.19	e P	12 54 28		SHI	
Oct.19	e P	15 43 32		TAB	
Oct.19	e P	17 23 (21)		KER	
Oct.19	iP	19 37 30.0	C	SHI	
Oct.19	e P	19 42 11		KER	
Oct.19	iP	19 48 15.1	C	SHI	
Oct.19	iP	20 47 31.1	C	SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Oct.20	USCGS: 00 53 38.7, 33.6N, 78.5E, h= 27 km. Mag.= 5.0 (CGS). Kashmir - Tibet Border Region.				
	eiP	00 57 (30.0)		MSH	
	P	58 37.0		SHI	
	(S)	01 02 44			
	eiP	00 58 40.5		TEH	2470
	e S	01 02 45			
	e P	00 59 07		KER	
	e P	20		TAB	
Oct.20	e P	01 11 04		KER	
Oct.20	e P	05 43 51		TAB	
Oct.20	e P	05 44 43		TAB	
Oct.20	P	11 47 50.0		SHI	
Oct.20	P	11 57 23		SHI	
Oct.20	e P	12 30 20		TAB	
Oct.20	P	13 54 24		SHI	
Oct.20	e P	16 50 03		SHI	
Oct.20	e P	21 29 04		SHI	
Oct.21	e P	04 34 (28)		TAB	
	iS	53.0			
Oct.21	e P	08 58 (17)		SHI	
Oct.21	e P	09 40 05		KER	
Oct.21	e P	12 58 (46)		SHI	
Oct.21	e P	14 59 56		TAB	
Oct.21	e P	16 21 26		TAB	
	e P	(43)		KER	
	e P	22 43		SHI	
Oct.21	P	19 33 17.0	C	SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Oct. 21	e P	20 55 20		TAB	
Oct. 21	iP	22 11 05.9	C	SHI	
Oct. 22	iP	00 24 32.3		TAB	
	iS	58.0			
Oct. 22	eiP	03 10 36.0		SHI	
	e P	48		TEH	
	iP	11 24.2		TAB	
Oct. 22	e P	04 10 47		TAB	
Oct. 22	e P	04 59 16		SHI	
Oct. 22	e P	12 42 19		TEH	
Oct. 22	e P	12 58 46		TEH	
	e P	59 02		SHI	
	e P	10		TAB	
Oct. 22	e P	13 14 40		TEH	
Oct. 22	e P	13 23 (04)		MSH	
Oct. 22	e P	18 43 51		TAB	
Oct. 22	P	22 18 56.0		SHI	
Oct. 23	e P	00 02 (33)		MSH	
	e P	03 13		SHI	
Oct. 23	e P	00 04 (15)		KER	
	e P	33		TAB	
Oct. 23	e P	00 11 56		SHI	
	eiP	12 30.5		TAB	
Oct. 23	eiP	01 30 33.0		SHI	
Oct. 23	eiP	07 03 08.0		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Oct. 23	e P	07 20 48		TEH	
	eiP	52	C	TAB	
	e(S)	30 22			
	P	21 11		SHI	
Oct. 23	e P	07 38 (20)		MSH	
Oct. 23	e P	09 45 23		SHI	
Oct. 23	P	12 27 09.0		SHI	
Oct. 23	e P	15 16 10		KER	
Oct. 23	iP	15 49 55.0		TAB	
Oct. 23	eiP	17 32 (02.5)		MSH	
	iP	12.5	C	SHI	
	e(S)	42 13			
	iP	32 47.0	C	TAB	
Oct. 23	iP	19 31 19.0	C	TAB	
Oct. 23	e P	20 11 53		SHI	
Oct. 23	e P	22 48 42		TAB	
Oct. 23	e P	23 13 35		TEH	
	e P	14 (22)		MSH	
Oct. 24	e P	00 14 55		KER	
	eiS	15 27			
	e P	25		TEH	
	e S	16 31			
	e P	15 52		TAB	
	e S	17 28			
Oct. 24	e P	09 24 40		KER	
Oct. 24	P	10 10 20		SHI	
Oct. 24	eiP	13 14 11		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Oct.24	USCGS: 14 31 21, 37.7N, 59.0E, h= 33 km. Mag.= 5.0 (CGS). Iran-USSR Border Region. Felt at Mashad, Iran.				
	iP	14 31 (46.0)	D	MSH	
	e S	32 (02)		TEH	710
	e P ₁	56			
	iP ₂	33 32.0			
	e S	34 10			
	e P	33 49		KER	
	e P	50		TAB	
Oct.24	P	14 55 (14.5)		SHI	
Oct.24	P	18 15 (20.5)		SHI	
Oct.24	P	21 28 (37.5)		SHI	
Oct.24	iP	22 48 41.3	C	SHI	
Oct.24	e P	23 00 (44)		MSH	
Oct.24	eiP	23 55 04.0	C	TAB	
	iS	31.0			
Oct.25	e P	00 36 31		SHI	
Oct.25	iP	02 17 14.1		TAB	
Oct.25	e P	04 02 46		TAB	
Oct.25	USCGS: 10 06 58.1, 29.9N, 68.9E, h= 6 km. Mag.= 5.3 (CGS). West Pakistan.				
	e P	10 09 (38)		MSH	
	eiP	10 44.0		TEH	1760
	e S	13 43			
	eiP	11 21		KER	
	e P	39		TAB	
	e(S)	15 36			
Oct.25	e P	14 05 (42)		SHI	
Oct.25	e P	14 33 (38)		SHI	
Oct.25	e P	14 45 24		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Oct.25	P	15 12 (08.0)		SHI	
Oct.25	e P	17 03 (02)		SHI	
Oct.25	eiP	18 15 23.0		TAB	
Oct.25	e P	18 40 (13)		MSH	
Oct.25	e P	18 56 33		SHI	
Oct.25	iP	21 16 12.1	D	TAB	
	iS	22.3			
	e F	17 14		KER	
Oct.25	P	21 22 38.0		SHI	
Oct.25	iP	22 52 (14.2)		SHI	
Oct.26	eiP	15 49 49.0		SHI	
	e F	51 35		KER	
Oct.26	P	18 47 43		SHI	
	iP	34.2	D	TAB	
Oct.26	eiP	19 35 15.7		TAB	
	P	36 25.0		SHI	
Oct.26	e P	20 20 12		SHI	
	eiP	45.5		TAB	
Oct.26	e P	22 26 26.5		TAB	
	e S	56			
Oct.26	e P	23 10 06		TAB	
	iS	40.1			
Oct.27	e P	01 23 28		SHI	
Oct.27	eiP	01 43 (18.5)		MSH	
Oct.27	e P	03 07 40		SHI	
Oct.27	e P	03 27 18		KER	
	e P	29 07		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Oct.27	USCGS:	05 57	58.0, 73.4N, 54.0E, h= 0 km.		
	Mag.= 6.3 (CGS).		Navaya Zemlya.		
	iP	06 05	01.0 C	TAB	4220
	iP		19.6 C	TEH	
	iPT	06 40.0			
	e S	11 15			
	eSS	13 46			
	iP	05 (26.0)	C	MSH	
	iP		31.5	KER	
	iP	06 08.0	C	SHI	
Oct.27	e P	11 25 17		TEH	
	eiS	26 03.0			
	e P	25 (24)		MSH	
Oct.27	USCGS:	14 21	04.8, 22.2N, 145.9E, h= 29 km.		
	Mag.= 6 - 6 1/4 (PAS), 5.8 - 6.2 (BRK), 6.0 (CGS).		North Pacific Ocean.		
	iP	14 32 (55.0)	D	MSH	9060
	iP	33 19.6	D	TEH	
	eiP	36 25			
	eiS	43 17.5			
	eiSKS				
	iP	33 24.0	D	SHI	
	e(S)	43 30			
	iP	33 34.0	D	TAB	
	eiP		D	KER	
Oct.27	e P	18 01 19		SHI	
Oct.27	e P	21 04 41		TAB	
Oct.27	iP	23 57 (14.3)	C	MSH	
	eiP		52.0	TAB	
	P		57.0 C	SHI	
Oct.28	e P	07 07 55		TAB	
	e S	08 22			
Oct.28	P	08 11 10.0		SHI	
Oct.28	P	13 31 44.0		SHI	
Oct.28	e P	16 37 14		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Oct.28	iP	17 46 59.1	C	SHI	
Oct.28	eiP	22 45 10.0		TAB	
	iS ₁		25.5		
	iS ₂		30.0		
Oct.29	e P	00 43 (56)		SHI	
Oct.29	P	00 47 35.5		SHI	
Oct.29	iP	00 57 31.2	C	SHI	
Oct.29	e P	01 15 (21)		MSH	
Oct.29	USCGS:	02 39	29.4, 39.2N, 21.2E, h= 20 km.		
	Mag.= 5.7 (CGS).		Greece.		
	iP	02 43 58.5	C	TAB	
	iS	47 52			
	iScS	55 35.0			
	eiP	44 12.5		KER	
	iP	45.6	C	TEH	2700
	e S	49 (12)			
	eiSS	49.5			
	eiScS	55 47.5			
	iP	45 12.9	C	SHI	
	iP	(52.0)	C	MSH	
Oct.29	e P	06 16 (22)		SHI	
Oct.29	e P	09 02 (15)		MSH	
	P	22.0	D	SHI	
	e P	03 05		TEH	
	e(S)	05 51			
	e I	03 35		KER	
	e P	04 17		TAB	
	e S	07 33			
Oct.29	e P	12 17 (55)		SHI	
Oct.29	e P	14 43 (21)		MSH	
	P	44 02.0		SHI	
	e P	06		KER	
	e(P)	08		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Oct.29	e P	14 49 (38)		MSH	
	e S	50 (33)		SHI	
	e P	50 44		TAB	
Oct.29	e P	16 10 25		SHI	
Oct.29	e P	18 48 54		SHI	
Oct.30	P	01 42 40.0		SHI	
Oct.30	e P	02 14 38		TAB	
	e S	22 50		SHI	
	e P	15 54		TAB	
Oct.30	iP	04 23 33.0		KER	
Oct.30	e P	04 25 (31)		SHI	
Oct.30	iP	17 31 04.3		SHI	
Oct.30	USCGS: 17 39 48, 42.6N, 45.9E, h= 33 km. Mag.= 4.5 (CGS). Eastern Caucasus.				
	e P	17 41 (00)		KER	
	e P	07		TAB	
	iS	42 30.5		TEH	330
	e P	41 46		SHI	
	e S	43 18		SHI	
	P	(11.5)		MSH	
Oct.30	e P	17 58 (11)		SHI	
Oct.30	P	19 15 (38.0)		SHI	
Oct.30	e P	21 02 (54)		TAB	
Oct.30	e P	21 18 41		TAB	
	iS	19 08.5		TAB	
Oct.30	e P	21 39 11		TAB	
	iS	14.0		TAB	
Oct.30	e P	21 41 47		TAB	
	e S	53			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Oct.31	e P	01 53 (14)		MSH	
Oct.31	e P	06 22 49		SHI	
Oct.31	P	10 30 18.0		SHI	
Oct.31	e P	12 06 19		SHI	
Oct.31	P	16 10 44.0		SHI	
Oct.31	ciP	20 12 40.5		SHI	
Oct.31	ciP	22 26 (42.0)		MSH	
	ciP	28 09.0		SHI	
	e P	45		TAB	
Nov.3	P	01 00 00			
Nov.3	NSM	01 10 10			
Nov.3	NSM	01 24 20			
Nov.3	INS	01 31 30			
Nov.3	INS	01 47 40			
Nov.3	INS	01 58 50			
Nov.3	INS	02 03 00			
Nov.3	INS	02 08 10			
Nov.3	INS	02 13 20			
Nov.3	INS	02 18 30			
Nov.3	INS	02 23 40			
Nov.3	INS	02 28 50			
Nov.3	INS	02 34 00			
Nov.3	INS	02 39 10			
Nov.3	INS	02 44 20			
Nov.3	INS	02 49 30			
Nov.3	INS	02 54 40			
Nov.3	INS	03 00 00			
Nov.3	INS	03 05 10			
Nov.3	INS	03 10 20			
Nov.3	INS	03 15 30			
Nov.3	INS	03 20 40			
Nov.3	INS	03 25 50			
Nov.3	INS	03 31 00			
Nov.3	INS	03 36 10			
Nov.3	INS	03 41 20			
Nov.3	INS	03 46 30			
Nov.3	INS	03 51 40			
Nov.3	INS	03 56 50			
Nov.3	INS	04 02 00			
Nov.3	INS	04 07 10			
Nov.3	INS	04 12 20			
Nov.3	INS	04 17 30			
Nov.3	INS	04 22 40			
Nov.3	INS	04 27 50			
Nov.3	INS	04 33 00			
Nov.3	INS	04 38 10			
Nov.3	INS	04 43 20			
Nov.3	INS	04 48 30			
Nov.3	INS	04 53 40			
Nov.3	INS	04 58 50			
Nov.3	INS	05 04 00			
Nov.3	INS	05 09 10			
Nov.3	INS	05 14 20			
Nov.3	INS	05 19 30			
Nov.3	INS	05 24 40			
Nov.3	INS	05 29 50			
Nov.3	INS	05 35 00			
Nov.3	INS	05 40 10			
Nov.3	INS	05 45 20			
Nov.3	INS	05 50 30			
Nov.3	INS	05 55 40			
Nov.3	INS	06 00 50			
Nov.3	INS	06 06 00			
Nov.3	INS	06 11 10			
Nov.3	INS	06 16 20			
Nov.3	INS	06 21 30			
Nov.3	INS	06 26 40			
Nov.3	INS	06 31 50			
Nov.3	INS	06 37 00			
Nov.3	INS	06 42 10			
Nov.3	INS	06 47 20			
Nov.3	INS	06 52 30			
Nov.3	INS	06 57 40			
Nov.3	INS	07 02 50			
Nov.3	INS	07 08 00			
Nov.3	INS	07 13 10			
Nov.3	INS	07 18 20			
Nov.3	INS	07 23 30			
Nov.3	INS	07 28 40			
Nov.3	INS	07 33 50			
Nov.3	INS	07 39 00			
Nov.3	INS	07 44 10			
Nov.3	INS	07 49 20			
Nov.3	INS	07 54 30			
Nov.3	INS	07 59 40			
Nov.3	INS	08 04 50			
Nov.3	INS	08 10 00			
Nov.3	INS	08 15 10			
Nov.3	INS	08 20 20			
Nov.3	INS	08 25 30			
Nov.3	INS	08 30 40			
Nov.3	INS	08 35 50			
Nov.3	INS	08 41 00			
Nov.3	INS	08 46 10			
Nov.3	INS	08 51 20			
Nov.3	INS	08 56 30			
Nov.3	INS	09 01 40			
Nov.3	INS	09 06 50			
Nov.3	INS	09 12 00			
Nov.3	INS	09 17 10			
Nov.3	INS	09 22 20			
Nov.3	INS	09 27 30			
Nov.3	INS	09 32 40			
Nov.3	INS	09 37 50			
Nov.3	INS	09 43 00			
Nov.3	INS	09 48 10			
Nov.3	INS	09 53 20			
Nov.3	INS	09 58 30			
Nov.3	INS	10 03 40			
Nov.3	INS	10 08 50			
Nov.3	INS	10 14 00			
Nov.3	INS	10 19 10			
Nov.3	INS	10 24 20			
Nov.3	INS	10 29 30			
Nov.3	INS	10 34 40			
Nov.3	INS	10 39 50			
Nov.3	INS	10 45 00			
Nov.3	INS	10 50 10			
Nov.3	INS	10 55 20			
Nov.3	INS	11 00 30			
Nov.3	INS	11 05 40			
Nov.3	INS	11 10 50			
Nov.3	INS	11 16 00			
Nov.3	INS	11 21 10			
Nov.3	INS	11 26 20			
Nov.3	INS	11 31 30			
Nov.3	INS	11 36 40			
Nov.3	INS	11 41 50			
Nov.3	INS	11 47 00			
Nov.3	INS	11 52 10			
Nov.3	INS	11 57 20			
Nov.3	INS	12 02 30			
Nov.3	INS	12 07 40			
Nov.3	INS	12 12 50			
Nov.3	INS	12 18 00			
Nov.3	INS	12 23 10			
Nov.3	INS	12 28 20			
Nov.3	INS	12 33 30			
Nov.3	INS	12 38 40			
Nov.3	INS	12 43 50			
Nov.3	INS	12 49 00			
Nov.3	INS	12 54 10			
Nov.3	INS	12 59 20			
Nov.3	INS	13 04 30			
Nov.3	INS	13 09 40			
Nov.3	INS	13 14 50			
Nov.3	INS	13 20 00			
Nov.3	INS	13 25 10			
Nov.3	INS	13 30 20			
Nov.3	INS	13 35 30			
Nov.3	INS	13 40 40			
Nov.3	INS	13 45 50			
Nov.3	INS	13 51 00			
Nov.3	INS	13 56 10			
Nov.3	INS	14 01 20			
Nov.3	INS	14 06 30			
Nov.3	INS	14 11 40			
Nov.3	INS	14 16 50			
Nov.3	INS	14 22 00			
Nov.3	INS	14 27 10			
Nov.3	INS	14 32 20			
Nov.3	INS	14 37 30			
Nov.3	INS	14 42 40			
Nov.3	INS	14 47 50			
Nov.3	INS	14 53 00			
Nov.3	INS	14 58 10			
Nov.3	INS	15 03 20			
Nov.3	INS	15 08 30			
Nov.3	INS	15 13 40			
Nov.3	INS	15 18 50			
Nov.3	INS	15 24 00			
Nov.3	INS	15 29 10			
Nov.3	INS	15 34 20			
Nov.3	INS	15 39 30			
Nov.3	INS	15 44 40			
Nov.3	INS	15 49 50			
Nov.3	INS	15 55 00			
Nov.3	INS	16 00 10			
Nov.3	INS	16 05 20			
Nov.3	INS	16 10 30			
Nov.3	INS	16 15 40			
Nov.3	INS	16 20 50			
Nov.3	INS	16 26 00			
Nov.3	INS	16 31 10			
Nov.3	INS	16 36 20			
Nov.3	INS	16 41 30			
Nov.3	INS	16 46 40			
Nov.3	INS	16 51 50			
Nov.3	INS	16 57 00			
Nov.3	INS	17 02 10			
Nov.3	INS	17 07 20			
Nov.3	INS	17 12 30			
Nov.3	INS	17 17 40			
Nov.3	INS	17 22 50			
Nov.3	INS	17 28 00			
Nov.3	INS	17 33 10			
Nov.3	INS	17 38 20			
Nov.3	INS	17 43 30			
Nov.3	INS	17 48 40			
Nov.3	INS	17 53 50			
Nov.3	INS	17 59 00			
Nov.3	INS	18 04 10			
Nov.3	INS	18 09 20			
Nov.3	INS	18			

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Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Nov. 1	e P	01 18 15		SHI	15.300
Nov. 1	e P	01 35 (24)		KER	15.300
Nov. 1	P	03 48 04.5		SHI	18.300
Nov. 1	P e(S)	07 12 06.0 21 10	C	SHI	15.300
Nov. 1	e P	15 43 09		SHI	15.300
Nov. 1	USCGS: 22 22 27, 35.1N, 23.0E, h= 70 km. Mag.= 5.0 (CGS). Crete.				
	e P	22 27 24		TEH	2500
	e P	47		SHI	
Nov. 2	e P	00 32 39		SHI	
Nov. 2	e P	01 01 (29)		MSH	
	e P	02 42		TEH	
	e(S)	06 11			
	e P	02 (54)		SHI	
Nov. 2	P	02 04 45		SHI	
	e S	05. 04			
Nov. 2	eiP	12 01 48.0		SHI	
Nov. 2	e P	12 11 35		SHI	
Nov. 2	e P	14 03 (49)		SHI	
Nov. 2	e P	17 41 (09)		MSH	
Nov. 2	e P	18 09 (44)		SHI	
Nov. 2	e P	19 09 34		TEH	
	e(S)	10 30			
	e P	09 45		KER	
Nov. 2	e P	21 40 07		TAB	
Nov. 2	iP	22 01 35.5 (C)		TAB	
	iS	02 05.5			
	e P	18		KER	

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Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Nov. 2	e P	23 46 10		SHI	
Nov. 3	eiP e S	00 22 (44.0) (50)		MSH	
Nov. 3	iP e S	01 20 (31.0) (36)	D	MSH	
Nov. 3	eiP e P e P	03 16 03 57 17 (26)		SHI TEH TAB	
Nov. 3	e P e(S) e P	03 23 43 24 56 25 (55)		TEH TAB	
Nov. 3	e P e P	05 59 (52) 06 01 (52)		KER TAB	
Nov. 3	e P	07 32 35		TEH	
Nov. 3	e P e P e(S)	11 23 (10) 24 13 25 47		MSH TEH	
Nov. 3	e P eiP	11 53 28 54 04.5		KER TEH	
Nov. 3	P e P e P	15 34 46.0 36 32 39		SHI KER TEH	
Nov. 3	e P	15 45 (43)		SHI	
Nov. 3	USCGS: 16 24 31.0, 19.2N, 67.9W, h= 22 km. Mag.= 6.0 - 6 1/4 (PAS), 5 1/4 (PAL), 5.6 (CGS). Mona Passage, Felt at Cayey and Caguas, Puerto Rico.				
	e P	16 38 (03)		TAB	
	ePP	41 (37)			
	e P	38 15		TEH	11100
	ePP	42 24			
	eiSKS	49 02.5			
	eiSKKS	30.5			

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Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
	e P	38 42		SHI	
	e(S)	49 16			
Nov.3	e P	16 43 (16)		MSH	
Nov.3	e P	17 33 07		KER	
Nov.3	eiP	20 24 14		SHI	
Nov.3	P	20 27 01		SHI	
Nov.3	e P	20 33 45		TAB	
Nov.3	USCGS: 21 11 14, 7.6S, 107.9E, h= 15 km. Mag.= 5.1 (CGS). Java.				
	e P	21 21 54		SHI	
	e P	22 17 10		TEH	7580
	e P	42		TAB	
Nov.3	USCGS: 21 43 10.7, 6.5N, 60.5E, h= 33 km. Mag.= 5.8 (CGS). Carlsberg Ridge.				
	iP	21 48 26.1	D	SHI	
	e P	49 21		TEH	3370
	e S	54 (19)			
	e P	49 26		KER	
	e P	(30)		MSH	
	e P	50		TAB	
Nov.4	eiP	02 14 20.5		TAB	
Nov.4	e P	04 34 30		TAB	
Nov.4	P	05 41 59.0		SHI	
Nov.4	e P	07 40 (12)		MSH	
Nov.4	e P	09 06 03		SHI	
Nov.4	e P	11 36 40		SHI	
Nov.4	iP	14 07 07.7		TAB	
Nov.4	e P	17 34 51		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Nov.4	e P	18 30 18		TAB	
Nov.4	e P	19 18 53		TAB	
Nov.4	e P	19 33 12		TAB	
Nov.4	iP	22 09 59.5		TAB	
Nov.5	USCGS: 02 13 51.2, 41.8S, 80.1E, h= 33 km. Mag.= 5.5 (CGS). Mid Indian Rise.				
	e P	02 25 32		SHI	
	e P	26 (00)		KER	
	e P	09		TEH	9110
	e S	36 17			
	e P	26 20		TAB	
	e S	36 (50)			
	e P	26 (45)		MSH	
Nov.5	P	02 49 09		SHI	
Nov.5	e P	09 19 11		TEH	
	e S	20 06			
Nov.5	USCGS: 12 45 13.9, 15.3S, 175.2W, h= 38 km. Mag.= 5.3 (CGS). Tonga Islands.				
	e P'	13 04 (30)		TEH	15000
	eSKP	08 00			
	e P'	04 (39)		SHI	
	e P'	40		TAB	
Nov.5	e P	17 10 54		TAB	
Nov.5	P	18 58 48		SHI	
Nov.6	P	00 58 19.0		SHI	
Nov.6	e P	01 07 (14)		SHI	
Nov.6	P	01 59 05.0	C	SHI	
Nov.6	e P	04 01 49		SHI	
Nov.6	e P	06 48 19		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Nov.6	e P	08 34 26		TEH	
Nov.6	e P	08 39 27		SHI	
Nov.6	e P	13 07 (00)		MSH	
Nov.6	e P	15 04 02		SHI	
Nov.6	e P	21 57 59		SHI	
Nov.7	P	00 51 03		SHI	
Nov.7	e P	04 13 (30)		SHI	
Nov.7	e P	04 13 (22)		MSH	
Nov.7	e P	04 27 25		TAB	
	iS	44.0			
	e P	28 50		TEH	
Nov.7	eiP	08 19 42.5		SHI	
Nov.7	P	09 07 05		SHI	
Nov.7	e P	13 28 46		SHI	
Nov.7	e P	16 16 54		SHI	
Nov.7	e P	19 23 31		SHI	
Nov.7	e P	20 36 47		SHI	
Nov.7	P	20 50 23		SHI	
Nov.7	e P	23 49 (38)		MSH	
Nov.8	eiP	00 11 (24.0)		MSH	
Nov.8	e P	01 09 49		SHI	
Nov.8	e P	02 44 54		TEH	
	e S	45 18			
	eiP	19.5		TAB	
	iS	46 05.0			
	e P	45 27		KER	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Nov.8	USCGS: Iran.	03 14 10.1, 36.1N, 50.9E, h= 23 km.			
	iP	03 14 21.5	D	TEH	60
	eiS	30.9			
	e P	15 04		KER	
	e(S)	16 04			
	e P	15 15		TAB	
	iS	16 17.0			
	P	15 53		SHI	
	eiP	16 (12.0)		MSH	
Nov.8	e P	03 37 07		KER	
	e P	30		TEH	
	e(S)	38 29			
Nov.8	P	12 58 (02)		SHI	
Nov.8	eiP	14 37 28		SHI	
Nov.8	P	15 46 25.0		SHI	
Nov.8	eiP	18 42 (18.0)		MSH	
	e S	(47)			
Nov.9	iP	00 40 36.0	D	TAB	
	iS	51.5			
Nov.9	e P	01 40 18		TAB	
	eiS	52.5			
Nov.9	P	10 52 48		SHI	
Nov.9	USCGS:	11 26 24.7, 26.9N, 125.5E, h= 39 km.			
	Mag.= 5.4 (CGS).	Northeast of Taiwan.			
	e P	11 36 41		TEH	6840
	e S	45 15			
	eiP	36 52		SHI	
	e P	37 10		TAB	
	e P	(12)		KER	
Nov.9	e P	13 40 55		TEH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Nov. 9	e P	15 17 03		TAB	
	e P	46		TEH	
	e P	18 (20)		SHI	
Nov. 9	e P	15 43 (40)		MSH	
Nov. 9	eiP	21 07 (47.0)		MSH	
	e S	08 (21)			
Nov. 10	e P	02 16 (22)		KER	
	e P	37		TEH	
	e S	17 33			
Nov. 10	e P	02 19 18		TAB	
Nov. 10	USCGS: 03 02 32.5, 31.9S, 68.4W, h= 113 km. Mag.= 6.0 (CGS). San Juan Province Argentina.				
	e P	03 21 23		TAB	
	P	30.5	D	SHI	14650
	e P	32		TEH	
	eSKP ₁	24 46			
	eSKP ₂	52			
Nov. 10	e P	14 07 43		SHI	
Nov. 10	e P	15 46 28		TAB	
Nov. 10	P	19 03 14.0		SHI	
Nov. 10	eiP	20 50 41.5 (D)		TAB	
	e P	51 41		KER	
Nov. 11	P	00 04 50		SHI	
Nov. 11	e P	03 16 (32)		SHI	
Nov. 11	e P	08 30 47		SHI	
Nov. 11	eiP	11 06 20.5		TAB	
	iS	52.0			
Nov. 11	iP	13 00 (28.0) C		MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Nov. 11	USCGS: 15 31 04.2, 52.3N, 169.1W, h= 30 km. Mag.= 5.4 (CGS). Fox Islands, Aleutian Islands.				
	eiP	15 43 36.5	C	TAB	
	eSKS	54 (06)			
	iP	43 49.0	C	TEH	9720
	epP	44 01			
	esP	06			
	eSKS	54 16			
Nov. 11	USCGS: 16 03 38, 50.3N, 155.5E, h= 145 km. Mag.= 4.9 (CGS). Kurile Islands.				
	eiP	16 14 50.5		TAB	
	iP	50.5		TEH	9270
	e P	15 06		KER	
Nov. 11	e P	19 04 (45)		MSH	
Nov. 11	e P	21 08 14		TEH	
	e S	09 16			
Nov. 11	e P	22 21 (10)		KER	
Nov. 12	e P	08 32 23		KER	
Nov. 12	P	09 12 51.0		SHI	
Nov. 12	P	12 09 22.0	D	SHI	
Nov. 12	e P	12 19 (34)		TAB	
	e(S)	26 (40)			
	e P	20 (10)		SHI	
	e P	21 25		KER	
Nov. 12	USCGS: 12 49 43.6, 41.8N, 144.1E, h= 33 km. Mag.= 5.8 (CGS). Hokkaido, Japan Region.				
	iP	13 00 51.0	C	TEH	7720
	ePP	03 25			
	e S	09 57			
	eScS	10 50			
	iP	01 02.0	C	TAB	
	iS	10 16.0			
	iP	01 06.0	C	SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
	e(S)	10 26			
	e P	01 10		KER	
Nov. 12	USCGS:	15 56	04.7, 4.3S, 134.2E, h= 33 km.		
	Mag.= 5.4 (CGS).		West New Guinea Region.		
	iP	16 08	39.0 D	SHI	
	eiP		49.0 D	TEH	9680
Nov. 12	USCGS:	18 45	01.0, 15.6S, 167.3E, h= 40 km.		
	Mag.= 6.4 - 6.6 (BRK), 5.2 (CGS).		New Hebrides Islands.		
	e P	19 03	45	SHI	
	e(SKS)	10 40			
	e P	03 47		TEH	13310
	ePP	05 17			
	eSKS	10 42			
	e P	03 55		KER	
	eiP		57.5	TAB	
	iPP	05 46.4			
Nov. 12	e P	19 53	30	TAB	
Nov. 12	e P	20 36	35	SHI	
Nov. 12	e P	23 57	26	SHI	
	e P		32	KER	
	e P		35	TEH	
Nov. 13	e P	01 26	01	SHI	
	eiP		07.0	TEH	
	eiS		30.0		
Nov. 13	eiP	03 53	45	SHI	
Nov. 13	e P	11 16	36	TAB	
	e S	17 17			
Nov. 13	P	14 44	33	SHI	
Nov. 13	e P	15 29	05	TAB	
	iS		36.6		
Nov. 13	e P	21 22	14	SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Nov. 13	e P	21 20	(44)	SHI	
Nov. 13	P	21 35	(21.5)	SHI	
Nov. 14	P	00 02	20	SHI	
Nov. 14	e P	00 57	23	SHI	
Nov. 14	e P	03 17	23	SHI	
Nov. 14	e P	04 33	40	SHI	
Nov. 14	e P	16 30	35	SHI	
Nov. 14	iP	16 35	06.6	TAB	
Nov. 14	P	18 10	35	SHI	
Nov. 14	e P	18 43	27	SHI	
Nov. 15	P	00 20	49.5	SHI	
Nov. 15	eiP	11 58	41.0	SHI	
Nov. 15	P	16 29	18	SHI	
Nov. 15	USCGS:	16 19	07.4, 51.2N, 176.6W, h= 48 km.		
	Mag.= 5.0 (CGS).		Andreanof Islands, Aleutian Is.		
	eiP	16 31	32.5	TAB	
	iP		34.6	TEH	
	P		56.5	SHI	9350
Nov. 15	e P	18 27	03	TAB	
	e P		(52)	KER	
Nov. 15	e P	21 35	(34)	SHI	
	e P		40	TEH	
	e P		36 15	KER	
Nov. 16	iP	03 38	52.3	TAB	
	iS		55.0		
Nov. 16	e P	06 27	30	TAB	
	iS		52.6	KER	
	e P		31		

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Nov. 16	e P	12 13 36		KER	
Nov. 16	e P	12 43 06		KER	
Nov. 16	e P	14 31 45		TAB	
Nov. 16	e P	17 34 12		KER	
	e P	42		TAB	
	iS	35 10.4			
Nov. 16	eiP	18 27 26.0		SHI	
Nov. 16	USCGS:	20 44	01.3, 46.5W, 153.7E, h= 33 km.		
			Mag.= 4.8 (CGS). Kurile Islands.		
	eiP	20 55 27.0	C	TEH	9000
	eiP	34.5		TAB	
	eiP	47.0		SHI	
Nov. 16	e P	21 24 27		TAB	
Nov. 16	USCGS:	23 16	09.1, 52.3N, 139.5W, h= 33 km.		
			Mag.= 4.9 (CGS). Fox Islands; Aleutian Islands.		
	e P	23 28 41		TAB	
	iP	43.5	C	TEH	9460
	P	29 07.0		SHI	
Nov. 17	USCGS:	13 54	00, 51.3N, 176.5W, h= 56 km.		
			Mag.= 4.5 (CGS). Andreanof Islands, Aleutian Islands.		
	e P	14 06 25		TEH	9310
Nov. 17	e(P)	14 44 (20)		MSH	
Nov. 17	USCGS:	14 43	10.2, 51.1N, 176.5W, h= 45 km.		
			Mag.= 4.7 (CGS). Andreanof Islands, Aleutian Islands.		
	eiP	14 55 37.0		TEH	9220
	e P	56 (01)		SHI	
Nov. 17	USCGS:	19 27	05, 46.2N, 153.6E, h= 33 km.		
			Mag.= 4.4 (CGS). Kurile Islands.		
	e P	19 38 32		TEH	5010
	P	(53.5)		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Nov. 17	e P	20 32 52		TAB	
Nov. 18	USCGS:	09 12	09.9, 36.3S, 100.7W, h= 33 km.		
			Mag.= 5.1 (CGS). Southern Pacific Ocean.		
	e P'	09 32 05		TEH	17700
	e P'	22		TAB	
	e P'	33 (30)		MSH	
Nov. 18	USCGS:	10 40	43.9, 73.4N, 6.8E, h= 33 km.		
			Mag.= 4.9 (CGS). Greenland Sea.		
	e P	18 56 24		TAB	
	e P	52		TEH	4910
	ePcP	58 36			
	e S	19 03 23			
Nov. 18	e P	19 55 30		TAB	
Nov. 19	e P	00 59 59		TAB	
	iS	01 00 13.0			
Nov. 19	e P	02 03 37		TAB	
Nov. 19	USCGS:	07 12	39.7, 35.0N, 23.5E, h= 33 km.		
			Mag.= 5.3 (CGS). Crete.		
	e P	07 17 08		KER	
	e P	43		TEH	2560
	e S	21 53			
	e P	20 (13)		MSH	
Nov. 19	e P	15 27 55		KER	
Nov. 19	e P	18 42 (31)		MSH	
	e P	44 (15)		KER	
Nov. 19	e(P)	19 09 (50)		MSH	
Nov. 20	e P	06 13 31		KER	
Nov. 20	USCGS:	09 29	59.1, 51.4N, 176.6W, h= 54 km.		
			Mag.= 5.1 (CGS). Andreanof Islands, Aleutian Islands.		
	iP	09 42 23.7	C	TEH	9310
	e P	(36)		KER	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Nov.20	e P	17 07 (44)		SHI	
	e P	08 (22)		KER	
Nov.20	e P	19 13 45		SHI	
Nov.20	e P	20 08 43		KER	
Nov.20	P	22 25 13.0		SHI	
Nov.20	e P	22 51 23		SHI	
Nov.21	e P	02 36 (51)		KER	
Nov.21	USCGS: 12 19 27.3, 46.7N, 152.5E, h= 40 km, Mag.= 5.6 (CGS). Kurile Islands.				
	iP	12 30 49.2	C	TEH	7980
	e P	31 05		KER	
	P	08.5		SHI	
	e(S)	40 42			
Nov.21	e P	14 00 (26)		KER	
Nov.22	e P	00 43 56		KER	
Nov.22	USCGS: 06 29 53.5, 48.2N, 146.7E, h= 453 km. Mag.= 6 $\frac{1}{4}$ - 6 $\frac{1}{2}$ (PAS), 6.2 (BRK), 5.6 (CGS). Sea of Okhotsk.				
	iP	06 40 08.0	C	TEH	7540
	eipP	41 42.0			
	ePP	42 37			
	eiS	48 30.5			
	eP'P'	07 08 (17)			
	e P	06 40 27		KER	
	e P	41 (30)		MCH	
Nov.22	e(P)	07 30 30		TAB	
Nov.22	USCGS: 08 52 18.2, 52.1N, 172.7E, h= 55 km. Mag.= 4.9 (CGS), Near Islands, Aleutian Islands.				
	e P	09 04 15		TEH	8720
	e P	16		TAB	
	P	41.0	C	SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Nov.22	eiP	16 07 22.5		SHI	
Nov.23	USCGS: 02 19 13.9, 14.9S, 166.9E, h= 48 km. Mag.= 5 $\frac{1}{4}$ - 6 (PAS), 5.5 - 5.9 (BRK), 5.6 (CGS). New Hebrides Islands.				
	e P'	02 37 57		TEH	13320
	e P'	38 06		TAB	
	e(S)	49 53			
	e P'	38 (57)		MCH	
Nov.23	eiP	20 05 24.5		TAB	
	iS	06 26.5			
	e P	05 (48)		KER	
Nov.24	e P	00 51 58		SHI	
Nov.24	e P	03 37 (30)		SHI	
Nov.24	USCGS: 16 45 47, 38.3S, 92.1W, h= 33 km. Mag.= 4.7 (CGS). West Chile Rise.				
	e P'	17 05 28		TAB	
	e P'	30		SHI	
	e P'	(36)		KER	
	e P'	37		TEH	17336
Nov.24	e P	19 23 18		SHI	
Nov.25	iP	08 06 55.2		SHI	
Nov.25	e P	21 32 52		SHI	
Nov.25	e P	22 41 16		TAB	
	iS	39.0			
Nov.26	e P	00 08 46		TAB	
	iS	53.0			
Nov.26	P	00 16 (14.5)		SHI	
Nov.26	P	02 37 (24)		SHI	
Nov.26	e P	13 34 03		TEH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Nov.26	USCGS: Mag.= 4.9 (CGS).	13 49 30, 37.7N, 58.6E, h= 29 km.		Iran USSR Border Region.	
	c P1	13 51 04		TEH	680
	ciP2	29.0			
	e S1	52 19			
	ciS2	50.0			
	e P	51 47		TAB SHI	
	e P	(49)			
Nov.26	e P	13 54 (02)		KER	
Nov.26	e P	15 25 22		KER	
Nov.27	e P	00 33 27		TAB	
	e S	34 27			
Nov.27	ciP	02 01 05.0	D	TEH	
	ciS	22.5			
	e P	21		TAB	
	iS	02 45.2			
	e P	01 29		KER	
Nov.27	e P	04 05 31		TAB	
Nov.27	e P	04 36 31		TAB	
Nov.27	ciP	11 12 (54)		SHI	
Nov.27	P	12 59 49		SHI	
Nov.27	e P	13 53 26		SHI	
Nov.27	e P	16 05 30		TEH	
Nov.27	e P	16 42 36		TAB	
Nov.27	e P	17 49 13		KER	
	e P	50 17		TAB	
	ciS	51 11.0			
	e P	50 31		TEH	
Nov.27	USCGS: Mag.= 5.6 (CGS).	20 13 01.5, 78.5N, 6.4E, h= 33 km.		Svalbrad Region.	
	e P	20 21 09		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
	e P	21 31		TEH	5210
	e S	28 21			
	e P	22 07		MSH	
		17.0		SHI	
	e(S)	29 45			
Nov.27	P	21 02 41.0		SHI	
Nov.27	e P	21 32 14		SHI	
Nov.27	e P	22 28 59		SHI	
Nov.28	e P	01 14 49		SHI	
Nov.28	e P	01 34 47		KER	
	e S	55			
Nov.28	e P	04 16 45		SHI	
Nov.28	e P	04 27 11		TAB	
	iS	35.0			
Nov.28	e P	11 40 (07)		SHI	
Nov.28	e P	11 53 03		KER	
Nov.28	e P	17 13 23		SHI	
Nov.28	P	19 40 51.5		SHI	
Nov.28	iP	20 32 28.5	C	TEH	
	ciS	48.5			
Nov.28	e P	21 33 57		KER	
Nov.29	e P	00 27 47		TAB	
Nov.29	e P	00 54 00		SHI	
Nov.29	e P	01 16 (06)		SHI	
Nov.29	e P	01 29 03		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Nov. 29	USCGS: South Indian Ocean.	09 21 22.8, 9.85, 90.6E, h= 33 km.			
	ciP	09 30 43.0		SHI	
	e(3)	38 17			
	ciP	31 18.5	C	TEH	6500
Nov. 29	e P	14 42 53		KER	
Nov. 29	iP	17 11 47.3	D	SHI	
Nov. 29	e P	17 20 05		SHI	
	e S	25			
Nov. 29	P	17 27 56.5		SHI	
Nov. 29	P	20 09 18		SHI	
	e P	36		TAB	
	iS	39 11.0			
Nov. 29	e P	22 36 00		SHI	
	e P	12		TAB	
	e P	37 07		MGH	
Nov. 29	USCGS: Mag. = 4.7 (CGS). Northern Easter Islands, Cordillera.	22 54 50, 9.15, 109.07, h= 33 km.			
	e P	23 14 35		TEH	16000
	e P	53		SHI	
Nov. 29	e P	23 41 50		SHI	
Nov. 30	iP	00 42 10.5	C	SHI	
	e P	20		TAB	
Nov. 30	e P	02 26 12		SHI	
Nov. 30	e P	04 56 34		KER	
Nov. 30	e P	08 00 49		KER	
Nov. 30	e P	08 48 39		KER	
Nov. 30	e P	09 51 22		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Nov. 30	e P	13 09 33		SHI	
	e P	10 34		TEH	
Nov. 30	e P	19 23 19		TAB	
Nov. 30	e P	19 24 47		TAB	
Nov. 30	iP	20 01 40.6		TAB	
	e P	02 (49)		KER	
Nov. 30	e P	21 28 16		SHI	
Nov. 30	e P	22 29 (15)		KER	
Nov. 30	iP	23 29 16.5	D	MGH	
	e S	28			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Dec. 1	USCGS: Mag.= 5.3 (CGS).	00 32 32, 0.1N, 125.6E, h= 123 km. Molucca Passage.			
	e P	00 44 18		TEH	3660
	e P	32		KER	
	e P	37		TAB	
Dec. 1	e P	03 36 17		TAB	
Dec. 1	USCGS: Mag.= 6.4 (PAS), 6.4 - 6.6 (BRK), 6.1 (CGS).	04 56 58.2, 14.0S, 167.1E, h= 132 km. New Hebrides Island, Felt.			
	eiP'	05 15 (31)		SHI	
	ciP'	34.0 D		TEH	13310
	eSKS	22 20			
	eSP	26 34			
	iP'	15 41.0		TAB	
	iSKS	22 34.0			
	e P'	16 50		MSH	
Dec. 1	P	14 20 17.0		SHI	
Dec. 1	P	15 14 12.0		SHI	
Dec. 1	e P	16 00 10		SHI	
Dec. 1	e P	16 12 24		SHI	
Dec. 1	P	16 55 53.5		SHI	
Dec. 1	eiP	19 06 56.5		TEH	
	iP	07 07.5 D		TAB	
	eiP	11.5		SHI	
	e P	16		KER	
Dec. 1	P	22 53 28.5		SHI	
Dec. 1	e P	23 43 06		SHI	
Dec. 2	iP	01 12 34.6 D		TAB	
	iS	39.0			
Dec. 2	USCGS: Mag.= 5.2 (CGS).	03 07 54.0, 28.2N, 53.2E, h= 40 km. Southern Iran.			
	iP	03 08 21.4 D		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Dec. 1	e P ₁	09 46		TEH	340
	e P ₂	10 24			
	eiS ₁	11 06.5			
	eiS ₂	46.5			
	e P	09 54		KER	
	eiP	10 43.5		TAB	
	e(S)	13 41			
Dec. 2	e P	06 12 (20)		KER	
Dec. 2	eiP	06 36 29		SHI	
Dec. 2	e P	06 45 54		KER	
	e P	46 06		SHI	
	eiP ₁	13.5 D		TEH	
	eiP ₂	20.5			
	e(S)	47 10			
Dec. 2	e P	07 56 (00)		KER	
Dec. 2	USCGS: Mag.= 5.8 (CGS).	09 31 17.6, 3.2N, 128.1E, h= 92 km. North of Halmahera.			
	iP	09 42 47.0 C		SHI	
	e(S)	52 36			
	e P	43 05		TEH	3620
	e P	23		KER	
Dec. 2	e P	14 07 17		SHI	
	e P	09 06		KER	
Dec. 2	P	18 42 18.5		SHI	
Dec. 3	P	06 03 06.0		SHI	
Dec. 3	e P	09 11 40		SHI	
Dec. 3	P	13 47 52		SHI	
Dec. 3	USCGS: Mag.= 5.1 (CGS).	14 13 25.2, 24.7S, 179.9E, h= 492 km. South of Fiji Islands.			
	eiP'	14 31 44		SHI	
	e P'	50		TEH	15000
	eiPP	34 33.5			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Dec. 7	e P	20 19 53		SHI	
Dec. 7	e P	23 37 09		TAB	
	c(S)	35			
	c P	39 14		KER	
Dec. 8	USCGS: 02 07 07.4, 29.3N, 69.9E, h= 37 km. Mag.= 5.1 (CGS). West Pakistan.				
	P	02 10 39		SHI	
	e P	11 04		TEH	1000
	e S	14 15			
	c P	11 42		KER	
	c P	50		TAB	
	c P	12 25		MSH	
Dec. 8	P	08 42 13.0		SHI	
Dec. 8	USCGS: 11 31 18.0, 42.2N, 18.9E, h= 24 km. Mag.= 5.0 (CGS). Yugoslavia.				
	c P	11 36 25		KER	
	eiP	50.5	C	TEH	2000
	c S	41 40			
	eiP	37 23.5		SHI	
Dec. 8	(P)	12 44 44.5		SHI	
Dec. 8	c P	15 14 22		TEH	
	P	52.5		SHI	
Dec. 8	e P	19 21 57		SHI	
Dec. 8	P	20 30 25.0		SHI	
	S	47.0			
Dec. 8	e P	22 55 24		TAB	
Dec. 9	iP	00 06 53.4	(C)	TAB	
	e S	09 26			
Dec. 9	e P	03 47 03		SHI	
Dec. 9	eiP	04 25 28.5		SHI	
Dec. 9	e P	04 29 30		TEH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Dec. 9	e P	11 22 43		TAB	
	c S	23 31			
	c P	24 32		KER	
Dec. 9	USCGS: 16 43 57.7, 51.7N, 174.6E, h= 21 km. Mag.= 5.2 (CGS). Near Islands, Aleutian Islands.				
	eiP	16 56 06.5	C	TEH	8000
	eiP	59 08.5			
	c P	56 09	(C)	TAB	
	P	30.0		SHI	
Dec. 9	c P	19 40 34		TAB	
	c P	41 44		SHI	
Dec. 9	c P	20 16 30		SHI	
Dec. 9	eiP	20 33 35		SHI	
Dec. 9	P	23 12 52.5	C	SHI	
Dec. 10	c P	08 03 24		KER	
Dec. 10	c(P)	08 51 56		TAB	
Dec. 10	c P	10 57 (31)		SHI	
Dec. 10	eiP	13 21 (20.0) (C)		SHI	
Dec. 10	P	13 25 26		SHI	
Dec. 10	eiP	13 27 38.0		MSH	
Dec. 10	USCGS: 17 08 32.2, 41.0N, 33.5E, h= 13 km. Mag.= 4.9 (CGS). Turkey, Felt in North Central Turkey.				
	iP	17 11 06.8	D	TAB	
	e P	36		KER	
	iP	12 07.0	D	TEH	1690
	c S	15 02			
	e P	12 56		SHI	
	ci(S)	16 32.0			
	eiP	13 48.5		MSH	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Dec.10	e P	18 21 32		SHI	
	c(S)	32 08			
	e P	42		MSH	
	e(P)	22 04		TAB	
	e(S)	34 30			
Dec.10	P	22 53 33.5		SHI	
	e S	53			
Dec.10	e P	23 43 11		TEM	
	e S	23			
	e P	40		TAB	
	c(S)	44 29			
Dec.11	e P	01 31 57		SHI	
Dec.11	e P	05 22 54		TAB	
Dec.11	e P	05 26 20		TAB	
Dec.11	e P	05 46 31		TAB	
Dec.11	e P	05 49 47		TAB	
Dec.11	e P	06 12 09		TAB	
Dec.11	e P	06 39 22		TAB	
Dec.11	e P	07 05 08		TAB	
Dec.11	e P	07 59 27		TAB	
Dec.11	e P	08 25 15		TAB	
Dec.11	e P	08 51 06		TAB	
Dec.11	P	09 23 54.0		SHI	
Dec.11	e P	10 03 27		TAB	
Dec.11	e P	10 41 55		TAB	
Dec.11	e P	10 57 31		TAB	
Dec.11	e P	11 18 10		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Dec.11	e P	11 46 29		TAB	
Dec.11	e P	12 13 35		TAB	
Dec.11	e P	12 41 30		TAB	
Dec.11	e P	18 23 00		SHI	
Dec.11	P	19 53 53.5		SHI	
Dec.11	USCGS:	19 52 09.4, 13.4N, 145.0E, h= 59 km.			
	Mag.= 5.4 (CGS).	Mariana Island..			
	e P	20 04 45		MSH	
	e P	46		TEM	9550
	e SKG	15 12			
	e P	04 48		SHI	
	c(S)	15 13			
	e P	04 53		TAB	
	(S)	15 28			
Dec.11	e P	20 21 01		SHI	
	e P	14		KER	
Dec.11	e P	21 06 10		SHI	
Dec.12	eiP	01 03 21.5	C	TEM	
	e S	45			
Dec.12	eiP	03 16 16.5		TAB	
	e(S)	17 15			
Dec.12	e P	08 23 17		TEM	
	e S	23			
Dec.13	e P	02 31 28		KER	
	e P	49		TAB	
Dec.13	USCGS:	12 21 02.3, 37.3N, 71.9E, h= 126 km.			
	Mag.= 5.3 (CGS).	Afghanistan-USSR Border Region.			
	eiP	12 23 51.5		MSH	
	e P	24 48		TEM	1850
	e S	27 55			
	e P	25 03		SHI	
	e(S)	28 20			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Dec. 13	e P	25 30		KER	
	eiP	30.5	(D)	TAB	
	e S	29 18			
Dec. 13	iP	13 27 47		SHI	
Dec. 13	e P	17 46 02		SHI	
Dec. 13	e P	19 29 42		KER	
Dec. 14	e P	02 28 (59)		KER	
	e P	29 49		TEH	
	e P	30 53		TAB	
Dec. 14	e P	03 57 (23)		SHI	
	(S)	04 06 56			
Dec. 14	P	11 15 37.5		SHI	
Dec. 14	e P	14 54 17		KER	
	P	55 21		SHI	
Dec. 14	P	16 45 03.5		SHI	
Dec. 14	P	19 31 09.0		SHI	
Dec. 14	e P	19 40 48		SHI	
Dec. 14	e P	20 19 23		SHI	
Dec. 14	USCGS: 21 07 52.1, 4.8S, 143.9E, h= 74 km. Mag.= 6¼ - 6½ (PAS) 6.3 - 6.7 (BRK), 6.0 (CGS). New Guinea.				
Dec. 14	P	21 21 02.0	C	SHI	
	e P	10		TEH	10630
	ePP	25 00			
	ei(ScS)	32 06.5			
	ei(sScS)	46.5			
	eiP	21 13.5		MSH	
	e P	23		KER	
Dec. 14	P	21 38 11		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Dec. 15	USCGS: 02 08 03.0, 21.7N, 94.5E, h= 81 km. Mag.= 5.7 (CGS). Burma.				
Dec. 15	eiP	02 15 14.0		MSH	
	eiP	18.5		SHI	
	e P	30		TEH	4400
	ePP	17 08			
	ePPP	43			
	e S	21 32			
Dec. 15	e P	15 58		KER	
	Dec. 15	eiP	19 26 03.0	SHI	
Dec. 15	P	19 30 27.0		SHI	
Dec. 15	eiP	23 36 52.0		MSH	
Dec. 16	P	01 38 53.5		SHI	
Dec. 16	e P	06 13 31		KER	
Dec. 16	e P	11 58 (52)		SHI	
Dec. 16	e P	17 58 (55)		KER	
Dec. 16	USCGS: 20 52 13.5, 29.6N, 81.0E, h= 9 km. Mag.= 5.9 (CGS). Nepal.				
Dec. 16	eiP	20 57 15.0		MSH	
	P	37.0		SHI	
	eiP	46.5	C	TEH	2850
	eiS	21 02 18.0			
	e P	20 58 17		KER	
	iP	(24.0)	C	TAB	
	Dec. 16	e P	21 30 50		SHI
Dec. 17	P	01 30 42		SHI	
Dec. 17	e P	04 00 (18)		TAB	
Dec. 17	P	06 08 39		SHI	
Dec. 17	eiP	07 58 34.0		SHI	
	e P	59 (01)		KER	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Dec. 17	e P	09 37 03		TAB	
Dec. 17	eiP	18 00 14.5		SHI	
Dec. 17	e P	18 24 30		TAB	
Dec. 17	e P	18 31 (19)		KER	
Dec. 18	e P	00 50 49		SHI	
Dec. 18	USCGS: 04 57 57.8, 49.9N, 77.7E, h= 0 km. Mag.= 5.4 - 5.6 (BRK), 5.9 (CGS). Eastern Kazakh SSR.				
	e P	05 02 58		MSH	
	iP	03 20.8	C	TEH	2720
	iP	30.8	(C)	TAB	
	iS	04 17.5			
	e P	03 (46)		KER	
Dec. 18	P	05 03 51.0	C	SHI	
Dec. 18	USCGS: 07 42 18.8, 35.1N, 27.1E, h= 33 km. Mag.= 4.7 (CGS). Dodecanese Islands.				
	e P	07 46 (11)		TAB	
	e P	51		TEH	2200
	e S	50 35			
	e P	47 16		SHI	
Dec. 18	e P	11 41 22		SHI	
Dec. 18	e P	19 56 (13)		TAB	
	e P	(20)		KER	
Dec. 18	e P	22 31 (57)		SHI	
Dec. 19	P	00 38 21.0		SHI	
Dec. 19	e P	08 45 (29)		TAB	
Dec. 19	P	22 13 39.0		SHI	
Dec. 20	USCGS: 12 26 55.0, 26.1S, 63.2W, h= 589 km. Mag.= 6(PAS), 5.7 (CGS). Santiago Del Estero Prov. Arg.				

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
	e P'	12 44 36		KER	
	iP'	41.4	(D)	TAB	
	eiP'	47.0		SHI	
	eiSKS	50 57			
	e P'	44 47		TEH	13700
	ePP	46 23			
	epP'	39			
	eipPP	48 39.0			
	ePPP	49 20			
	eisPF	38			
	oSKS	50 57			
	eiP	45 39.0		MSH	
Dec. 20	eiP	12 48 00.0		MSH	
Dec. 20	e P	13 04 15		KER	
Dec. 20	e(P)	15 32 29		TEH	
Dec. 20	e P	15 47 (50)		TAB	
Dec. 20	USCGS: 16 20 05.8, 7.2S, 126.1E, h= 441km. Mag.= 5.4 (CGS). Banda Sea.				
	iP	16 31 26.1	C	SHI	
	c(S)	40 47			
	ciP	31 39.5	C	TEH	9050
	ciS	41 13.5			
	ciP	31 44.0		MSH	
	c P	54		KER	
	c S	41 33			
	iP	32 02.0	(C)	TAB	
Dec. 20	USCGS: 18 39 40.3, 14.3N, 122.1E, h= 37 km. Mag.= 5.4 (CGS). Luzon, Philippine Islands, Felt Widely.				
	P	18 50 21.0		SHI	
	(S)	59 05.0			
	e P	50 21		MSH	
	e P	24		TEH	7320
	c S	59 01			
	e P	50 (40)		KER	
	e P	54		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)	
Dec.20	e P	21 44 (50)		KER		
	e P	(52)		SHI		
Dec.20	e P	22 02 53		SHI		
Dec.20	e P	22 56 47		SHI		
Dec.20	P	23 26 18.0		SHI		
Dec.21	e P	02 30 55		TAB		
	e S	31 21				
Dec.21	iP	03 32 52.2	C	SHI		
	S	55.0				
Dec.21	P	05 42 11.0		SHI		
Dec.21	USCGS: 08 52 00.2, 20.0S, 169.7E, h= 245 km. Mag.= 5.6 (CGS). New Hebrides Islands.					
	eiP	09 10 27		SHI		
	e P	32		TEH	13870	
	eSP	11 55				
	ePP	12 16				
	epPP	13 17				
	esPP	41				
	eiSKS	17 13				
	eiP	10 56.5		KER		
	eiP	39.5 (C)		TAB		
	Dec.21	eiP	11 49 26.0		SHI	
	Dec.21	e P	16 40 (20)		TAB	
	Dec.21	USCGS: 22 10 58.8, 29.4N, 81.0E, h= 31 km. Mag.= 5.4 (CGS). Nepal - India Border Region.				
		e P	22 16 03		MSH	
P		20.0	C	SHI		
e P		29		TEH	2850	
eiP		17 08.0		TAB		
Dec.22	e P	01 05 (10)		TAB		
Dec.22	P	12 02 17.0		SHI		

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
Dec.22	e P	12 32 04		MSH	
	e P	55		TEH	
	e P	33 18		SHI	
Dec.22	P	17 53 00.5		SHI	
Dec.22	P	19 35 45.0	C	SHI	
Dec.22	e P	22 20 59		KER	
Dec.23	e P	00 44 15		MSH	
Dec.23	eiP	01 31 59		SHI	
Dec.23	iP	09 37 (04)		TAB	
Dec.23	e P	09 54 (37)		TAB	
Dec.23	e P	03 55 (55)		TAB	
	iS	56 (35)			
Dec.23	e P	10 05 06		TAB	
	iS	31			
Dec.23	P	14 40 29		SHI	
Dec.23	P	15 05 50.0		SHI	
Dec.23	USCGS: 15 50 20.4, 711S, 148.3E, h= 43 km. Mag.= 6.4 (PAS), 7.1 - 7.3 (BRK), 6.4 (CGS). East New Guinea Region, Felt.				
	iP	16 03 55.0	C	SHI	
	eSKS	14 10			
	iP	04 01.0	C	TEH	11000
	ePP	08 94			
	eiSKS	14 26			
	eiSKKS	15 11.5			
	eiScS or S	32.0			
	iP	04 11.0	C	MSH	
	eiSKS	14 41.0			
	e P	04 15		KER	
	eSKS	14 50			
	iP	04 (23.0)	C	TAB	
	iSKS	15 01			

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Dec. 23	e P	20 29 38		TEH	
	e P	39		KER	
Dec. 23	e P	21 21 (46)		TAB	
	e P	22 31 (19)		TAB	
Dec. 23	iP	23 14 (32.0)	C	TAB	
	iS	(39.0)			
Dec. 24	e P	00 01 16		SHI	
Dec. 24	e P	00 07 59		SHI	
Dec. 24	e P	01 36 41		SHI	
Dec. 24	e P	01 39 59		SHI	
Dec. 24	iP	05 39 20.5		TEH	
	ciS	33.5			
Dec. 24	e P	06 12 57		SHI	
Dec. 24	e P	13 31 06		SHI	
Dec. 24	P	17 39 14.0		SHI	
Dec. 24	ciP	21 03 55.5		MSH	
	P	57.0		SHI	
	eiP	04 04.0		TEH	
	e(S)	05 35			
	e P	04 55		KER	
Dec. 24	USCGS:	22 28 59.6, 59.9N, 153.47,			h= 113 km.
	Mag.= 5.1 (CGS).	Southern Alaska.			
	e P	22 41 12		TEH	9200
	e P	(25)		KER	
	P	40.5		SHI	
Dec. 25	(S)	51 52			
	e P	41 41		MSH	
Dec. 25	USCGS:	05 41 58, 14.2N, 53.8E,			h= 33 km.
	Mag.= 5.0 (CGS).	Arabian Sea.			
	P	05 45 37.0		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
	e P	46 39		KER	
	e P	47		TEH	2400
Dec. 25	USCGS:	05 42 45, 14.1N, 53.8E,			h= 33 km.
	Mag.= 5.2 (CGS).	Arabian Sea.			
Dec. 25	e P	05 47 25		KER	
	eiP	33.5		TEH	2400
	eiS	51 34.5			
Dec. 25	eiP	48 26.0		MSH	
	(P)	05 53 27		SHI	
Dec. 25	e(P)	54 27		KER	
	iP	11 35 15.2	C	SHI	
Dec. 25	eiP	12 25 33.0		SHI	
Dec. 25	eiP	13 20 20		SHI	
Dec. 25	e P	16 10 40		KER	
Dec. 25	USCGS:	17 07 01, 37.2N, 70.1E,			h= 91 km.
	Mag.= 4.6 (CGS).	Afghanistan-USSR Border Region.			
Dec. 25	e P	17 10 39		TEH	1750
	e P	51		SHI	
	e P	11 05		MSH	
	e P	(16)		TAB	
	e P	23		KER	
Dec. 25	e P	19 16 30		KER	
Dec. 25	P	19 36 43.0		SHI	
Dec. 25	e P	19 56 31		SHI	
Dec. 25	USCGS:	23 03 22.8, 51.8N, 176.1E,			h= 47 km.
	Mag.= 4.8 (CGS).	Rat Islands, Aleutian Islands,			Felt on Atta.
	ciP	23 15 32.5	(C)	TAB	
	eiP	34.5	C	TEH	9020
	e P	49		MSH	
Dec. 25	iP	55.2	C	SHI	
	e P	23 21 34		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Dec. 26	iP	00 20 53.9		SHI	
Dec. 26	eiP	01 16 52.5		MSH	
Dec. 26	USCGS: 01 28 04.3, 35.9N, 69.9E, h= 180 km. Mag.= 5.0 (CGS). Hindu Kush Region.				
	e P	01 30 38		MSH	
	eiS	32 05.5			
	e P	31 30		TEH	1680
	c P	(40)		SHI	
	eiP	32 16.5		TAB	
	c(S)	33 16			
Dec. 26	eiP	02 06 53		TAB	
	e(S)	08 19			
Dec. 26	USCGS: 04 21 02, 38.7N, 40.9E, h= 55 km. Mag.= 4.8 (CGS). Turkey.				
	e P	04 22 08		TAB	
	i(S)	23 08.7			
	e P	22 (38)		KER	
	e P	23 22		TEH	1080
	e P	24 (09)		SHI	
	e P	25 13		MSH	
Dec. 26	c P	06 34 (04)		TAB	
Dec. 26	e P	14 14 (35)		SHI	
Dec. 26	e P	16 14 33		SHI	
Dec. 26	iP	18 42 29.9	D	SHI	
	e P	44 (06)		KER	
Dec. 26	c P	20 32 (34)		SHI	
Dec. 27	e P	00 31 34		KER	
Dec. 27	USCGS: 01 22 17.3, 37.1N, 141.0E, h= 60 km. Mag.= 5.5 (CGS). Honshu, Japan.				
	eiP	01 33 20.5	C	TEH	7890
	eiP	22.0		MSH	
	eiP	34.5		TAB	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
	eiP	34.5		SHI	
	e(S)	42 52			
	eiP	33 41.5		KER	
Dec. 27	e P	04 10 (00)		TAB	
	iS	25.0			
Dec. 27	e P	11 01 55		KER	
Dec. 27	e P	12 13 (25)		KER	
Dec. 27	e P	13 26 (12)		SHI	
Dec. 27	e P	16 00 (15)		SHI	
Dec. 27	e P	16 30 05		MSH	
	e S	36			
Dec. 27	P	17 42 (49.0)		SHI	
	eiP	44 59.5		MSH	
Dec. 27	e P	18 35 07		MSH	
Dec. 27	c P	20 33 29		TAB	
	iS	36.7			
Dec. 27	P	21 41 (05.5)		SHI	
Dec. 27	c P	21 45 12		TAB	
Dec. 27	e P	21 48 07		MSH	
Dec. 28	e P	00 11 (14)		SHI	
Dec. 28	e P	00 16 (12)		SHI	
Dec. 28	c P	03 42 27		TAB	
	iS	55.0			
Dec. 28	c P	04 40 46		TAB	
	iS	41 13.2			
Dec. 28	c P	04 59 (38)		KER	

Date Phase Time (GMT) I.M. Sta. Dist.(Km.)

Dec.28 USCGS: 08 13 07.4, 25.5S, 70.7W, h= 47 km.
Mag.= 7.4 (PAS), 7.5 - 7.8 (BRK), 6.9 (CGS).
Near Coast of Northern Chile, Three killed at
least six injured, extensive property damage
in the Taltal Area, felt in Northern and Central
Chile, Southern Peru and Northern Argentina,
Aseiche was recorded at Coldera with an Amplitude
of 90 cm.

Date	Phase	Time (GMT)	I.M.	Sta.	Dist.(Km.)
	iP	08 33	47.0	C	TAB
	iP'	37	08.5		
	iPP	38	56.7		
	P	08 34	06.0		SHI
	eiP'	37	12.0		
	ePP	39	14		
	e P	34	22		TEH 14500
	eiP'	37	13.5		
	ePP	39	24		
	ePKS	40	46		
	e P'	36	(53)		KER
	e P'	38	10		MSH
Dec.28	e P	11 20	(22)		TAB
Dec.28	iP	15 20	45.1	C	SHI
Dec.28	P	16 13	(41.0)		SHI
	e P	14	49		TAB
	iS	15	09.2		
Dec.28	e P	17 35	24		KER
Dec.29	e P	00 14	44		MSH
Dec.29	eiP'	02 07	37		SHI
Dec.29	eiP'	02 42	15.5		MSH
Dec.29	eiP'	02 42	21.5		MSH
	e S		34		
Dec.29	e P	03 33	(39)		SHI
Dec.29	e P	06 35	25.0		SHI

Date Phase Time (GMT) I.M. Sta. Dist.(Km.)

Dec.29	P	07 45	46		SHI
Dec.29	e P	09 02	17		KER
Dec.29	e(P)	11 46	(02)		SHI
Dec.29	e P	11 49	(23)		SHI
Dec.29	e P	12 16	(33)		SHI
Dec.29	e P	15 07	(20)		SHI
Dec.29	e P	20 41	(45)		SHI
Dec.29	e P	21 34	14		TAB
Dec.29	USCGS:	21 35	20, 29.9N, 68.3E, h= 14 km.		
	Mag.= 4.6 (CGS).		West Pakistan.		

	e P	21 38	36		MSH
	e P		(37)		SHI
	e P	39	01		TEH 1740
	e P		38		KER
	e P		58		TAB

Dec.29	e P	22 03	(30)		SHI
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Dec.29 USCGS: 22 16 22.7, 32.8S, 111.7W, h= 33 km.
Mag.= 6 (PAS), 5 - 5.4 (BRK), 5.4 (CGS). Easter
Island Cordillera.

	e P'	22 36	21		KER
	e P'		36 21		TAB
	e P'		(23)		SHI
	e P'		25		TEH 18700
	ePP	41	17		
	e P'	37	10		MSH

Dec.29	e(P)	23 14	34		KER
	e P		15 (00)		TAB

Dec.29	e P	23 56	(04)		SHI
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Dec.30	e P	00 29	(33)		SHI
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Dec.30	e P	00 41	(50)		SHI
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Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Dec.30	e P	00 44 (51)		SHI	
Dec.30	P iP	01 20 47.5 21 03.5	C	SHI TAB	
Dec.30	eiP	01 57 (31)		SHI	
Dec.30	P	02 09 (32)		SHI	
Dec.30	P	02 12 (44)		SHI	
Dec.30	e P	03 08 (09)		KER	
Dec.30	P eiP	04 35 21.5 36 02.5 (C)		SHI TAB	
Dec.30	(P) c P	04 44 (00) 45 04		SHI KER	
Dec.30	P	04 51 (56)		SHI	
Dec.30	e P	07 00 (25)		SHI	
Dec.30	e P	07 25 (08)		KER	
Dec.30	e P	08 41 (47)		KER	
Dec.30	e P	09 56 56		TAB	
Dec.30	P	10 12 43.0		SHI	
Dec.30	e P	11 17 59		KER	
Dec.30	P	15 12 42.0		SHI	
Dec.30	e P	16 28 09		SHI	
Dec.30	e P iS	18 04 44 (00) 47.7		TAB	
Dec.30	e P	18 27 52		SHI	
Dec.30	P	19 20 23.0		SHI	

Date	Phase	Time (GMT)	I.M.	Sta.	Dist. (Km.)
Dec.30	e P eiS	19 51 16 20.0		TAB	
Dec.30	e P	20 08 47		SHI	
Dec.30	e P	20 14 57		SHI	
Dec.30	P	20 54 43.5		SHI	
Dec.30	e P	22 35 37		SHI	
Dec.30	P	23 56 50.0		SHI	
Dec.31	e P P	00 37 40 56.5	C	TAB SHI	
Dec.31	e P	00 50 46		MSH	
Dec.31	P	10 56 13		SHI	
Dec.31	P	11 15 30.0	C	SHI	
Dec.31	e P	11 18 (19)		KER	
Dec.31	P	15 42 (33.0)		SHI	
Dec.31	e P	17 01 (14)		SHI	
Dec.31	USCGS: 18 23 03.9, 11.8S, 166.5E, h= 33 km. Mag.= 7.5 (PAS), 7.4 - 7.8 (BRK), 7.7 (CGS, Surface Wave). Santa Cruz Islands, felt strongly at Vanikoro Landslides and 3 foot(4)inch Tsunami inside Barrier lagoon.				
	e P	18 38 (11)		SHI	
	e P'	41 (45)			
	e P	38 18		MSH	
	e P	22		TEH	12960
	e P'	41 45			
	e P	38 23		TAB	
	e P'	41 58			
	e P'	53		KER	

Date Phase Time (GMT) I.M. Sta. Dist. (Km.)

Dec.31 P 19 11 52.5 SHI
 e P 12 01 KCR
 c(P) 04 TAB

Dec.31 P 19 33 (23.5) SHI

Dec.31 ci(P) 19 57 22.5 TAB

Dec.31 USCGS: 22 15 14, 11.3S, 164.8E, h= 33 km.
 Mag.= 7¼ - 7½ (PAS), 7 - 7.6 (BRK), 7.3 (CGS,
 Surface Wave). Santa Cruz Islands Region, felt
 at Vanikoro, landslides and 2½ foot Tsunami at
 Vanikoro.

e P' 22 34 00 TEH 13280
 c P' 04 TAB
 e P' (04) SHI
 c P' 08 KCR

Dec.31 P 19 04 00 SHI

Dec.31 P 19 07 00 SHI

Dec.31 P 19 07 00 SHI

Dec.31 P 19 08 00 SHI

Dec.31 P 19 10 00 SHI

Dec.31 P 19 12 00 SHI

Dec.31 P 19 13 00 SHI

Dec.31 P 19 14 00 SHI

Dec.31 P 19 15 00 SHI (272)

Dec.31 P 19 16 00 SHI

Dec.31 P 19 17 00 SHI

Dec.31 P 19 18 00 SHI