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SEISMOLOGICAL BULLETIN

June, 1957

MSI - 198

MAR 9

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COAST AND GEODETIC SURVEY—WASHINGTON

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COAST AND GEODETIC SURVEY

ADDENDA TO MAY 1957 SEISMOLOGICAL BULLETIN

Date and Station		Phase (G.C.T.) h	m	s
May 26				
SJ	eP	09	49	06
May 27				
SJ	iP	11	00	08
May 28				
SJ	eP	01	31	52
May 28				
SJ	iP	23	38	15
May 31				
SJ	iP	02	24	00
	i		26	00
	e		30	02
May 31				
SJ	iP	22	01	54
	e		05	20
May 31				
SJ	iP	22	30	10
	i		30	22

Local and Minor Earthquakes

	hour
SJ	
May 1	01.5
	02.0

1957

The instrumental results of the following stations are tabulated in this report.

**Balboa Heights, C. Z. (BH)
The Panama Canal Co.
*Boulder City, Nev. (BC)
Bureau of Reclamation
*Bozeman, Mont. (BOZ)
Montana State College
**Burlington, Vt. (BUR)
University of Vermont
*Butte, Mont. (BUT)
Montana School of Mines
*Chicago, Ill. (CHI)
University of Chicago and
U. S. Weather Bureau
College, Alaska (COL)
*Columbia, S. C. (COLU)
University of South Carolina
*Eureka, Nev. (EUR)
Eureka Corporation Limited
Honolulu, T. H. (HONO)
*Hungry Horse, Mont. (HH)
Bureau of Reclamation
*Lincoln, Nebr. (LIN)
Nebraska Wesleyan University
**Philadelphia, Pa. (PHIL)
The Franklin Institute
**Rapid City, S. Dak. (RC)
South Dakota State School of Mines
*Salt Lake City, Utah (SLC)
University of Utah
San Juan, Puerto Rico (SJ)
Sitka, Alaska (SIT)
Tucson, Ariz. (TUC)
Ukiah, Calif. (UK)
International Latitude Observatory
Washington, D. C. (WASH)

*Indicates a station maintained by a local institution in cooperation with the Coast and Geodetic Survey.
**Indicates a station operating on an independent basis.
Other stations are observatories of the Coast and Geodetic Survey.

All seismogram interpretations are made or revised at Washington except those for Balboa Heights.
All magnitude determinations are by Pasadena unless otherwise stated. Minor earthquakes are listed at the end of the bulletin.

One asterisk (*) following an origin time indicates probable error of one-tenth minute. Two asterisks (**) following an origin time indicates error of one quarter minute. All origin times and locations are determined from P data only. For Pasadena epicenters the time is given in one-tenth minute.

All seismograms are on file in the Coast and Geodetic Survey, except those from Balboa Heights and Burlington, which may be obtained on loan by addressing the Seismograph Station Director: - Meteorological and Hydrographic Office, Panama Canal Company, Balboa Heights, Canal Zone; University of Vermont, Burlington, Vermont.

Date 1957	Origin Time G. C. T.	Lat.		Long.		Region, Focal Depth, and Remarks
June	h m s	°		°		
1	05 26 50*	40½	N.	31	E.	Northern Turkey aftershock.
1	16 03 52*	59½	N.	150½	W.	Kenai Peninsula, Alaska.
1	19 35 08*	1	N.	91	W.	Galapagos Islands.
1	21 08 12**					Turkey aftershock.
2	01 11 56**					Do.
2	21 21 45*	52½	N.	160	E.	Near east coast of Kamchatka.
2	23 00 29**					Eastern Java.
3	14 52 15*	31	N.	142	E.	South of Honshu, Japan.
4	00 40 35*	54	N.	165	W.	Unimak Island region.
4	11 14 50*	10½	S.	166½	E.	Santa Cruz Islands.
4	17 05 02*	17½	S.	178	W.	Fiji Islands. h about 550 km. Mag. 6¼ - 6½.
4	19 59 10*	18½	S.	176	W.	Tonga Islands. h about 250 km.
4	20 18 05**					Central Sumatra.
5	07 16 17*	52½	N.	35	W.	North Atlantic Ocean.
5	08 26 53**					Southern Alaska.
5	09 09 40*	53	N.	167	W.	Fox Islands, Aleutian Islands.
5	13 57 42*	53	N.	162½	E.	Off east coast of Kamchatka.
6	03 30 22*	52	N.	178	W.	Andreanof Islands, Aleutian Islands.
6	05 38 27*	52	N.	171½	W.	Fox Islands, Aleutian Islands.
6	19 49 47*	3	N.	126½	E.	Molucca Passage.
7	00 03 17*	44½	N.	81	E.	Sinkiang Province, China.
7	02 46 40*	51½	N.	179	W.	Andreanof Islands, Aleutian Islands.
7	20 52 25**					Fiji Islands.
8	03 23 33*	3	S.	147½	E.	Bismarck Sea.
8	06 07 47*	2½	S.	150	E.	New Ireland.
8	09 01 28**					Near east coast of Kamchatka.
8	17 12 03*	16½	S.	173½	W.	Tonga Islands. Felt at Apia.
8	21 19 42*	7	S.	102½	E.	Off south coast of Sumatra.
8	22 26 17*	19½	S.	168	E.	Loyalty Islands.
10	00 59 54*	9	S.	117	E.	Sumbawa Island. Mag. 6¾.
10	02 31 00**					Andreanof Islands, Aleutian Islands.
10	03 13 11*	13½	N.	143½	E.	Mariana Islands. Felt on Guam. Depth about 150 km. Mag. 6¾ - 7.
10	04 46 12*	30	N.	68	E.	Central Baluchistan, Pakistan.
11	04 04 33*	54	N.	165	W.	Unimak Islands region.
11	04 57 24*	36½	N.	70	E.	Hindu Kush. h about 200 km.
11	07 01 39**					Near southeast coast of Kamchatka.
11	14 49 47*	30	S.	178	W.	Kermadec Islands. Felt on Raoul Island. h about 100 km. Mag. 6¾ - 7.
11	18 49 24*	18	N.	120½	E.	Near coast of Luzon, Philippine Islands. Moderate property damage at Vigan. Felt throughout northern and central Luzon.

Date 1957	Origin Time G. C. T.	Lat.		Long.		Region, Focal Depth, and Remarks
June	h m s	°		°		
11	23 53 57*	52	N.	176	W.	Andreanof Islands, Aleutian Islands.
11	23 59 09*	51	N.	177	W.	Do.
12	01 30 36*	52½	N.	175½	W.	Do.
12	08 28 34*	41½	N.	142½	E.	Near south coast of Hokkaido, Japan.
12	10 02 37*	11	S.	78	W.	Near coast of Peru.
13	10 40 38*	51½	N.	175	W.	Andreanof Islands, Aleutian Islands. Mag. 7.
13	20 21 42*	3	S.	101	E.	Near coast of Sumatra. h about 150 km.
13	21 27 18*	½	N.	123½	E.	Northern Celebes.
14	06 24 20*	52	N.	175½	W.	Andreanof Islands, Aleutian Islands. Mag. 6¼ (Berk).
14	11 36 49*	32	N.	67	E.	Southern Afghanistan. Several killed and heavy property damage at Kandahar, Khalakhund, and Mohammed Qila.
15	00 44 15*	34	S.	56	E.	Indian Ocean. Mag. 6 - 6¼.
15	18 18 20*	52	N.	171	W.	Fox Islands, Aleutian Islands. Mag. 6 (Berk).
16	02 17 23*	53	N.	169	W.	Fox Islands, Aleutian Islands.
17	06 16 44*	15	S.	173½	W.	Samoa Islands region. Felt at Apia. Mag. 5¾.
17	07 32 25*	52	N.	174½	W.	Andreanof Islands, Aleutian Islands.
18	02 12 12*	14½	N.	96	E.	Gulf of Martaban, Burma.
18	05 45 19**					Near south coast of Hokkaido, Japan.
18	11 18 53*	18	N.	120½	E.	Northern Luzon, Philippine Islands. Felt at Aparri and Tuguegarao. h about 60 km.
18	11 45 03*	37	N.	116	W.	Southern Nevada.
18	14 48 17*	14	N.	96	E.	Burma aftershock.
18	17 56 03*	25	S.	170	E.	Loyalty Islands region. Mag. 6.
19	01 29 48*	24	S.	175½	W.	Tonga Islands. Mag. 6¼ - 6½.
19	02 55 03**					Fiji Islands. h about 600 km.
19	05 21 37*	51	N.	179	E.	Rat Islands, Aleutian Islands.
19	08 01 30*	16½	S.	176½	E.	Fiji Islands. Mag. 6½.
20	01 06 25*	20	N.	145½	E.	Mariana Islands.
21	18 38 03*	48	N.	155	E.	Kurile Islands region.
22	06 19 06*	16	N.	94	W.	Near coast of Chiapas, Mexico. Felt at Tehuantapec and San Salvador, El Salvador. Mag. 6½.
22	19 22 22*	16	N.	45½	W.	Mid-Atlantic Ocean.
22	23 50 23*	1½	S.	137	E.	Near north coast of New Guinea. Extensive damage in the Geelvink Bay area. Mag. 7¼.
23	03 27 02*	58½	N.	137	W.	Near coast of southeastern Alaska. Felt at Sitka. Mag. 5½ - 5¾ (Berk).
23	03 38 25*	14	S.	173½	W.	Samoa Islands. Felt at Apia.
23	06 34 18**					East central Tennessee. Felt in Anderson, Knox, and Loudon counties.
24	09 49 47*	16	N.	94	W.	Mexico aftershock. Felt at Tehuantepec.
24	11 21 11**					About 150 miles southeast of Java.
24	13 30 03*	37	N.	116	W.	Southern Nevada.

Date 1957	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
June	h m s	°	°	
25	10 11 17*	10 N.	94 E.	Andaman Islands region.
26	02 47 36*	7½ S.	85½ E.	Indian Ocean, east of Chagos Archipelago.
26	16 48 12**			Andreanof Islands, Aleutian Islands.
27	00 09 28*	56½ N.	116 E.	Northeast of Lake Baikal, USSR. Damage at Chita. Mag. 7½.
27	12 49 51*	22 S.	171 E.	Loyalty Islands region.
28	04 58 03**			Fox Islands, Aleutian Islands.
28	21 23 25**			Near coast of Algeria. Felt at Orleansville.
29	03 58 06*	32½ S.	72½ W.	Near coast of central Chile. Felt.
29	07 48 18*	51½ N.	166 W.	Fox Islands region, Aleutian Islands.
29	10 49 42*	51½ N.	178 W.	Andreanof Islands, Aleutian Islands.
29	22 33 52*	56 N.	116½ E.	Lake Baikal aftershock

Date and Station		Phase (GCT) h m s
June 1		
EUR	eP	00 27 47
HH	eP	00 28 26
June 1		
BOZ	eP	01 28 11
BUT	iP	01 28 02
	eS	33 12
	iL	33 34
COL	eP	01 25 39
	iP	25 40
	eS	27 46
	iL	28 03
EUR	eP	01 28 43
HH	eP	01 27 32
	i	27 35
	i	32 21
	eL	39 22
RC	eP	01 29 03
	e	37 04
SLC	iP	01 28 48
SIT	iP	01 23 57
	iS	24 12
	iL	24 24
June 1		
SIT	iP	01 43 08
June 1		
COL	eP	03 54 26
EUR	iP	03 57 55
HH	eP	03 57 25
TUC	eP	03 58 55
June 1		
COL	iP	05 38 35
EUR	eP	05 40 17
HH	eP	05 39 35
RC	eP	05 39 36
June 1		
EUR	iP	07 20 58
June 1		
EUR	eP	08 00 25
HH	eP	08 00 53
RC	eP	08 00 08
TUC	eP	07 59 36
June 1		
COL	iP	12 18 39
EUR	eP	12 22 20
RC	eP	12 22 57
June 1		
COL	iP	13 22 41
EUR	iP	13 26 11
HH	eP	13 25 41
RC	eP	13 26 37
June 1		
COL	iP	13 40 07
June 1		
COL	eP	14 50 12
EUR	eP	14 43 40
June 1		
BOZ	iP	16 09 36
BUT	iP	16 09 27
COL	iP	16 05 18
	iS	06 19
	iL	06 35
COLU	eP	16 12 55
EUR	iP	16 09 58
HH	iP	16 09 06
RC	iP	16 10 21
SLC	eP	16 10 06
SJ	iP	16 15 12
	i	15 23
SIT	iP	16 05 51
	iS	07 17
TUC	eP	16 11 10
June 1		
EUR	iP	16 16 41
HH	eP	16 16 24
June 1		
HH	eP	16 46 25
June 1		
BH	iP	19 38 26
	iL	41 56
BC	eP	19 43 00
BOZ	eP	19 43 50
COL	iP	19 47 01
HH	eP	19 44 16
	i	44 21
PHIL	eP	19 43 09
	eS	49 12
	eL	59 18
RC	eP	19 43 23
SLC	iP	19 43 25
SJ	eP	19 41 14
TUC	eP	19 42 18
	e	43 20
	eL	53 49
WASH	eP	19 42 45
	e	46 07
	eL	52 09
June 1		
HH	eP	20 47 41
June 1		
HH	eP	21 05 31
June 1		
COL	iP	21 19 57
HH	eP	21 20 58
RC	eP	21 20 59
June 1		
HH	eP	21 52 11
June 1		
HH	eP	22 16 31
	e	16 41
June 1		
BC	iP	22 36 43
	e	36 59
BOZ	eP	22 36 16
	e	36 32
COL	iP	22 32 51
	eS	36 28
	eL	37 11
COLU	iP	22 39 16
HH	iP	22 35 50
RC	iP	22 37 12
	i	37 26
SLC	eP	22 36 34
SJ	iP	22 41 11
TUC	iP	22 37 21
	e	37 38
June 1		
COL	eP	22 42 53
June 1		
SLC	eP	23 04 43
June 1		
HH	eP	23 31 05
	e	31 15
June 2		
HH	eP	00 24 08
June 2		
COL	iP	01 23 40
HH	iP	01 24 42
RC	iP	01 24 41
June 2		
COL	eP	02 30 35
June 2		
HH	eP	05 47 59
RC	eP	05 47 28
June 2		
COL	iP	09 45 32
HH	eP	09 42 26
June 2		
COL	iP	10 05 22
TUC	iP	10 04 58
June 2		
BC	eP	11 55 27
BOZ	iP	11 57 29
	i	57 37
BUT	iP	11 57 33
	iS	57 43
	iL	57 48
HH	eP	11 58 12
	i	58 20
	e(S)	58 57
	eL	59 02
RC	iP	11 59 17
	e	12 00 24
June 2		
COL	eP	17 08 21
EUR	eP	17 11 46
HH	eP	17 11 27
June 2		
HH	eP	18 30 55
June 2		
RC	eP	21 19 34
June 2		
BC	eP	21 31 50
BOZ	eP	21 31 35
COL	iP	21 27 46

Date and Station		Phase (GCT)
		h m s
EUR	iP	21 31 30
HH	eP	21 30 54
	e	31 08
RC	eP	21 31 56
	e	32 24
SLC	eP	21 31 40
TUC	e(P)	21 32 23
	e	32 35
June 2		
COL	eP'	23 18 53
HH	eP'	23 19 44
June 2		
BC	eP	23 58 39
	i	00 00 06
BOZ	e(P)	00 00 53
EUR	eP	23 59 31
HH	eP	00 01 17
RC	eP	00 00 50
	e	05 57
SLC	eP	23 59 44
TUC	iP	23 57 44
	i	57 58
	i	58 05
	eS	58 28
	iL	58 40
June 3		
EUR	iP	00 47 37
June 3		
COL	eP	15 01 41
EUR	eP	15 04 22
HH	eP	15 03 04
June 3		
EUR	eP	20 47 59
June 4		
BC	eP	00 48 03
COL	iP	00 44 02
	eL	48 02
HH	eP	00 47 03
	e	47 09
	e	49 56
RC	eP	00 48 16
SIT	iP	00 44 34
TUC	eP	00 48 43
	ePP	50 37

Date and Station		Phase (GCT)
		h m s
June 4		
EUR	iP	10 30 10
TUC	eP	10 31 16
June 4		
EUR	eP	10 38 23
June 4		
BC	iP	11 27 42
	ePP	31 07
BOZ	iP	11 28 08
BUT	iP	11 28 01
	i	28 31
COL	iP	11 27 17
EUR	iP	11 27 42
	i	32 06
HONO	iP	11 23 30
HH	iP	11 27 59
	ePP	31 36
SLC	iP	11 27 58
	e	28 27
SJ	iP'	11 34 00
SIT	iP	11 27 18
TUC	iP	11 27 53
	ePP	31 27
UK	eP	11 27 14
June 4		
TUC	eP	13 54 05
June 4		
BC	eP	17 11 05
	i	12 08
EUR	eP	17 11 35
TUC	eP	17 10 59
	e	12 06
June 4		
BC	iP	17 16 26
	ipP	18 30
	iPP	19 40
	iS	25 54
BOZ	iP	17 17 00
	ipP	19 08
BUT	iP	17 16 57
	ipP	19 04
	iPP	20 29
	iS	26 30
	isS	29 48
	esPS	30 32
	e	45 38
COL	iP	17 16 49

Date and Station		Phase (GCT)
		h m s
COL	i	17 17 07
	ipP	18 57
	ePP	20 08
	iS	26 19
	i	26 32
	esS	30 16
EUR	iP	17 16 31
	iPcP	16 50
	i	17 28
	ipP	18 35
	i(PP)	19 42
	i	24 58
	iS	25 37
HONO	iP	17 12 27
HH	iP	17 16 58
	epP	19 05
	iPP	20 31
	iS	26 31
	ePKKP	34 46
	eP'P'	42 49
	e	44 25
SIT	iP	17 16 36
	ipP	18 42
	iPP	19 56
	eS	26 03
	e	26 21
TUC	iP	17 16 33
	ipP	18 36
	iS	26 02
UK	iP	17 16 04
	ipP	18 07
	ePP	19 06
June 4		
COL	iP	20 11 26
	epP	12 29
EUR	eP	20 10 58
HH	eP	20 11 28
June 4		
BOZ	eP'	20 37 16
COL	eP	20 31 58
COLU	iP'	20 37 51
EUR	e(P)	20 35 00
	iP'	37 19
	i	37 32
	iPP	40 36
	i	40 46
	iPKS	41 28
HH	eP'	20 37 07
TUC	ePP	20 41 03
	e	41 13
June 4		
COL	iP	22 46 50

Date and Station		Phase (GCT)
		h m s
EUR	eP	22 46 14
June 4		
TUC	eP	23 32 11
	e	33 10
June 5		
COL	eP	01 32 30
EUR	eP	01 35 27
HH	eP	01 34 18
SIT	iP	01 30 40
	iS	30 55
	iL	31 04
June 5		
COL	iP	02 50 27
June 5		
COL	iP	03 05 37
June 5		
EUR	eP	04 13 45
June 5		
BC	eP	07 26 02
BOZ	eP	07 25 05
BUT	iP	07 25 12
	ePP	27 00
	eS	32 10
	eL	35 46
COL	iP	07 25 29
	iS	32 55
	eSS	36 30
	eL	41 37
COLU	iP	07 23 35
	ePP	24 58
	iPP	25 02
	eS	29 24
	eL	31 26
EUR	iP	07 25 51
HH	iP	07 25 00
PHIL	eP	07 22 32
	iS	27 33
	e	28 43
	eL	31 15
RC	eP	07 24 33
SLC	eP	07 25 27
SJ	iP	07 24 11
TUC	iP	07 26 05
	e	26 20
	eL	46 14
June 5		
BC	eP	08 33 34

8-4297-4

Date and Station		Phase	(GCT) h m s
BOZ		eP	08 32 41
BUT		iP	08 32 31
COL		iP	08 27 46
		iS	28 46
		iL	28 49
EUR		iP	08 33 02
HH		eP	08 32 08
RC		eP	08 33 23
SIT		eP	08 29 06
TUC		eP	08 34 15
June 5			
COL		iP	09 13 21
EUR		iP	09 16 52
HH		eP	09 16 19
		ePcP	19 01
RC		eP	09 17 31
June 5			
COL		iP	09 20 03
June 5			
EUR		eP	09 55 20
HH		eP	09 54 26
TUC		eP	09 56 32
June 5			
EUR		iP	12 15 23
RC		eP	12 16 01
TUC		iP	12 16 23
June 5			
BC		iP	14 07 39
BOZ		iP	14 07 07
COL		iP	14 03 31
		eS	08 12
		eL	10 55
EUR		iP	14 07 17
		iPcP	08 17
HH		iP	14 06 41
		ePcP	08 00
RC		iP	14 07 43
SLC		iP	14 07 37
		iPcP	08 24
SIT		iP	14 04 36
		i	05 02
TUC		iP	14 08 12
UK		eP	14 06 46
June 5			
COL		iP	16 37 39
June 5			
COL		iP	16 49 23
June 5			
COL		eP	22 32 27
June 6			
SIT		eP	01 18 35
		iS	24 42
		i	25 28
		eL	26 02
June 6			
BOZ		iP	03 38 28
		i	38 37
BUT		iP	03 38 18
		i	39 06
		iPcP	40 11
COL		eP	03 35 04
		iP	35 06
		i	35 33
		e	35 50
		eS	38 54
		iS	39 02
		eL	40 45
COLU		iP	03 41 25
		i	41 34
EUR		iP	03 38 33
		i	38 52
		i	39 47
HH		iP	03 38 02
		ePcP	40 05
		eS	43 55
		eL	48 09
RC		iP	03 39 10
		i	39 20
		eS	46 16
		eL	51 28
SJ		iP	03 43 18
SIT		iP	03 36 22
TUC		iP	03 39 33
		i	39 43
June 6			
BC		eP	05 46 28
		i	46 36
BOZ		iP	05 45 59
		i	46 16
COL		eP	05 42 35
		i	42 44
		i	43 11
		e	44 00
		eS	46 09
COL		eL	05 47 10
COLU		iP	05 49 05
		i	49 20
		eS	57 38
		eL	06 10 28
EUR		iP	05 46 04
		i	46 20
		i	46 50
		iS	51 54
HONO		eP	05 45 03
HH		iP	05 45 33
		e	45 49
		eS	51 11
		eScS	55 49
RC		iP	05 46 43
		i	47 00
SJ		eP	05 51 04
SIT		iP	05 43 18
TUC		iP	05 47 07
		eL	06 02 43
UK		eP	05 45 28
WASH		iP	05 48 58
		e	49 14
		eL	06 17 51
June 6			
BH		eP	05 57 11
EUR		iP	06 04 19
RC		eP	06 03 40
SJ		eP	05 58 38
		i	06 01 57
TUC		iP	06 03 23
June 6			
COL		eP	06 18 56
EUR		iP	06 22 23
HH		eP	06 22 05
		e	24 30
RC		eP	06 23 03
TUC		eP	06 23 26
June 6			
EUR		iP	08 33 03
RC		eP	08 33 09
June 6			
COL		iP	13 45 52
EUR		iP	13 49 09
TUC		eP	13 50 11
June 6			
COL		iP	14 31 27
June 6			
COL		eP	15 17 57
June 6			
COL		iP	20 02 24
		i	02 40
		i	03 06
		iS	12 42
		e(SS)	18 16
		eL	21 58
HONO		iP	20 01 34
HH		eP	20 04 09
RC		eP'	20 08 33
		ePP	09 41
SJ		eP'	20 09 43
		i	10 08
June 7			
HH		eP	00 05 11
June 7			
BOZ		eP	00 16 18
COL		iP	00 13 54
EUR		iP	00 16 42
HH		eP	00 16 04
		e	16 10
RC		eP	00 16 29
June 7			
COL		iP	01 08 10
June 7			
COL		iP	01 36 23
EUR		iP	01 38 28
HH		eP	01 38 20
June 7			
BOZ		iP	02 54 49
COL		iP	02 51 25
		e	51 42
		eS	55 26
		iL	55 34
COLU		eP	02 57 45
EUR		iP	02 54 53
		i	55 14
HH		iP	02 54 22
		i	54 32
RC		iP	02 55 31
		e	55 40

Date and Station		Phase (GCT) h m s
TUC	eP	02 55 53
June 7 RC	eP	05 47 58
June 7 COL	eP	08 32 19
June 7 EUR	eP	13 48 35
June 7 COL	iP	21 05 14
	e	05 31
EUR	iP	21 04 55
HH	eP	21 05 21
SLC	iP	21 05 12
TUC	iP	21 04 55
June 7 HONO	iP	21 48 42
June 7 COL	eP	22 47 09
EUR	iP	22 50 40
HH	eP	22 50 07
RC	eP	22 51 20
	e	51 31
TUC	eP	22 51 46
June 7 HONO	iP	23 35 48
HH	eP	23 34 14
June 8 EUR	eP	00 58 28
June 8 COL	iP	03 35 56
EUR	eP	03 37 13
HH	eP	03 37 17
SLC	eP	03 37 42
June 8 COL	eP	04 06 33
	e	07 09
EUR	iP	04 07 16
TUC	eP	04 07 21
June 8 EUR	eP	05 12 34
June 8 BOZ	eP	06 21 30
COL	iP	06 20 04
EUR	iP	06 21 12
HH	iP	06 21 19
June 8 RC	eP	07 14 04
June 8 COL	eP	09 06 49
	i	07 00
EUR	iP	09 10 50
HH	eP	09 10 12
RC	eP	09 11 12
June 8 BC	iP	17 23 55
BOZ	iP	17 24 36
BUT	iP	17 24 33
COL	iP	17 24 34
EUR	iP	17 24 02
	e	24 30
HH	iP	17 24 33
SLC	iP	17 24 20
TUC	iP	17 24 02
June 8 HH	eP	20 25 09
June 8 COL	e(P)	21 38 12
EUR	iP	21 39 08
HH	eP	21 38 59
June 8 COL	eP	22 39 23
EUR	iP	22 39 28
June 9 COL	iP	00 06 14
June 9 BC	e(P)	01 21 20
COL	iP	01 25 59
HH	eP	01 22 49
RC	eP	01 21 59
TUC	eP	01 20 30
	eS	26 23
	iS	26 33
	eL	29 17
June 9 COL	iP	02 38 46
EUR	iP	02 39 04
June 9 COL	eP	04 15 14
EUR	eP	04 17 55
HH	eP	04 17 36
RC	eP	04 18 39
June 9 COL	iP	05 15 23
June 9 RC	eP	07 39 43
	e	42 05
June 9 COL	iP	07 42 37
EUR	iP	07 46 11
RC	eP	07 46 50
TUC	eP	07 47 17
June 9 EUR	iP	11 56 35
TUC	eP	11 56 40
June 9 COL	iP	12 05 13
HH	eP	12 03 23
	e	03 35
June 9 EUR	iP	12 12 22
June 9 COL	iP	15 54 53
EUR	iP	15 58 12
HH	eP	15 57 54
RC	eP	15 59 02
June 9 HH	eP	18 37 35
RC	eP	18 38 49
June 9 COL	iP	19 46 16
	i	47 10
June 9 COL	iP	20 55 07
EUR	eP	20 58 35
HH	eP	20 58 16
RC	eP	20 59 30
June 9 COL	iP	23 48 50
	ipP	49 10
EUR	iP	23 49 26
	ipP	50 47
June 10 RC	e(P)	00 42 02
	e	49 01
TUC	eP	00 40 26
June 10 COL	iP	00 55 21
HH	eP	00 55 29
TUC	eP	00 55 05
June 10 BH	iP'	01 20 04
BC	eP'	01 19 02
	iPP	20 48
BOZ	iP'	01 19 00
	i	19 31
BUT	iP'	01 19 00
	i	19 26
	i(SKS)	25 45
	iSKKS	27 20
	i	28 51
COL	eP	01 13 43
	i	14 13
	iSKS	14 07
	iS	24 59
	e	29 54
	e	30 26
	eL	42 21
COLU	iP'	01 19 46
EUR	iP	01 15 42
	iP'	18 57
	i	19 27
	iPP	20 35
	i	22 20
	iPKKP	28 51
	i	32 04
HONO	iP	01 12 49
	i	13 21
HH	eP	01 15 44
	e	16 22
	e	17 59
	iP'	18 53
	i	19 24
	ePP	20 24
	eSKS	25 39
	iSKKS	27 07
RC	eP'	01 19 11
	i	19 41

Date and Station		Phase	(GCT)
			h m s
RC	iPP	01	21 20
	i		22 18
SLC	eP'	01	19 03
	iPP		20 51
SJ	eP'	01	20 08
	e		20 40
	i		21 23
	i		21 35
	i		21 54
	ePP		25 12
	iPP		25 36
	eSKKS		31 45
	iSKKS		32 00
TUC	eP'	01	19 11
	e		22 17
	e		31 07
	eL		55 53
UK	ePP	01	20 01
	ePPP		22 12
June 10			
COL	iP	01	36 50
EUR	iP	01	40 15
HH	eP	01	39 22
	i		39 45
RC	eP	01	40 54
TUC	eP	01	41 15
June 10			
BOZ	eP	02	38 58
June 10			
COL	iP	02	35 35
EUR	eP	02	39 04
HH	eP	02	38 31
RC	eP	02	39 40
	i		40 10
TUC	e(P)	02	40 08
	eP		40 13
June 10			
BC	iP	03	26 07C
	i		26 53
BOZ	eP	03	26 06C
	iP		26 07D
BUT	iP	03	25 59C
	epP		26 59
	i		28 27
	iSKS		46 16
	iS		46 37
COL	iP	03	24 06C
EUR	iP	03	25 59C
	ipP		26 17

Date and Station		Phase	(GCT)
			h m s
HONO	iP	03	22 40D
HH	eP	03	25 51C
	iP		25 52D
	eSKS		36 05
	iS		36 24
RC	eP	03	26 29D
	iP		26 30
	epP		27 09
	eS		36 56
	ePKKP		43 44
SLC	iP	03	26 10D
SJ	eP'	03	32 12D
	i		32 24
	e		35 48
TUC	iP	03	26 06C
	e		26 38
UK	eP	03	25 33D
June 10			
COL	iP	03	52 15
HH	eP	03	51 44
	e		57 06
RC	eP	03	47 33
June 10			
COL	iP	04	58 28
June 10			
HH	eP	05	46 03
	e		46 22
June 10			
EUR	iP	06	17 16
TUC	eP	06	17 22
June 10			
EUR	eP	06	36 06
RC	eP	06	36 45
June 10			
COL	iP	06	42 10
June 10			
COL	iP	08	31 23
June 10			
COL	eP	08	50 58
June 10			
COL	iP	17	47 48
HH	iP	17	50 47
RC	iP	17	51 55
	e		52 12
June 10			
COL	iP	18	55 00

Date and Station		Phase	(GCT)
			h m s
June 10			
EUR	iP	21	29 33
June 10			
COL	iP	23	09 53
June 10			
COL	iP	23	50 59
June 11			
BUT	iP	00	01 45
	iPP		03 27
	iS		07 55
	iL		10 59
June 11			
BC	iP	04	12 00
BOZ	eP	04	11 30
	ePP		12 49
COL	iP	04	07 53
	i		08 00
	eS		10 25
	eL		10 41
EUR	iP	04	11 34
	iPcP		14 13
	i(S)		17 44
HH	eP	04	11 02
	i		11 12
	ePcP		13 51
	eL		17 33
RC	eP	04	12 14
	e		12 25
SJ	iP	04	16 46
SIT	iP	04	08 34
	iS		12 09
	eL		12 39
TUC	iP	04	12 39
June 11			
COL	eP	04	45 46
HH	eP	04	48 47
RC	eP	04	49 57
TUC	eP	04	50 18
June 11			
COL	iP	05	08 43
June 11			
BC	iP	07	11 51
BUT	iP	07	11 11
	iPcP		12 11
COL	iP	07	07 45
EUR	iP	07	11 30
HH	eP	07	10 55

Date and Station		Phase	(GCT)
			h m s
HH	e	07	12 03
RC	iP	07	11 55
SLC	eP	07	11 39
TUC	eP	07	12 24
June 11			
BOZ	eP	15	03 15D
	ePP		07 32
BUT	iP	15	03 08D
	ePP		07 07
	iPP		07 10
	eSKS		13 40
	eSS		21 02
	eL		23 26
COL	iP	15	03 14C
	ipP		03 39
	i		04 42
	iSKS		13 46
	iS		14 40
	e		15 58
	eL		19 07
EUR	iP	15	02 42C
	ipP		03 05
	iPKKP		20 09
	i		20 54
	iP'P'		28 09
HONO	iP	14	59 13D
HH	eP	15	03 15
	e		07 52
	iSKS		13 49
SLC	iP	15	02 57D
	ipP		03 19
SJ	iP'	15	08 27C
	ePP		09 54
	eSKS		15 16
	ePKKP		18 50
	iPS		19 32
	e		22 18
	eSS		26 14
	eSSS		30 20
	eL		38 30
RC	eP	15	03 30D
	epP		03 53
	ePP		07 33
	ipPP		08 06
	iSKS		14 13
	e		16 43
	eL		33 31
TUC	iP	15	02 38C
	ipP		02 55
	eS		13 11
	eL		30 28
UK	eP	15	02 21C
	ipP		02 39
WASH	eP'	15	09 40C

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Date and Station		Phase (GCT)
		h m s
June 11		
HH	eP	15 19 53
RC	eP	15 19 43
	i	19 46
June 11		
BC	iP	16 59 14
	i	17 00 05
BUT	eP	17 02 04
	i	02 29
EUR	iP	16 58 31
HH	e(P)'	17 01 07
	e	03 17
UK	e(P)	17 00 04
June 11		
HH	eP	17 53 23
RC	eP	17 54 33
	e	55 07
June 11		
BC	eP'	19 07 37
BOZ	eP	19 03 22
BUT	iP	19 03 16
	eP'	06 55
	ePP	08 01
	e	09 02
	iS	14 46
	iPS	16 20
	iSS	21 13
	eL	31 39
COL	iP	19 01 06
	i	01 24
	i	02 00
	ePP	04 16
	iS	10 40
	iScS	11 30
	eSS	15 29
	eL	19 16
COLU	eP'	19 08 26
EUR	iP	19 03 24
	i	03 52
	iPP	07 29
	iPKKP	19 45
	i	20 06
HONO	iP	19 01 17
HH	iP	19 03 06
	iSKS	13 38
	iS	14 55
	ePKKP	19 39
	eL	26 41
PHIL	ePP	19 19 57
	e(SKS)	26 02
	e	26 48
	eL	34 06

Date and Station		Phase (GCT)
		h m s
RC	eP	19 03 46
	e	04 11
	eP'	07 08
	ePP	08 04
SJ	iP'	19 08 57
	ePP	12 16
	eSKS	16 48
	eSS	31 05
	eL	36 20
SIT	iP	19 01 52
	i	02 07
	iS	12 06
	i	12 26
	eL	20 50
TUC	eP'	19 08 02
	e	08 22
	e	11 26
	ePKKP	18 43
	e	19 29
	eL	35 11
WASH	eP'	19 08 20
	iPP	09 46
	eL	44 12
June 12		
BC	eP	00 02 20
BOZ	iP	00 01 52
	i	02 41
	eS	08 04
	eL	14 03
CHI	eP	00 04 09
	eS	11 49
	eL	21 25
COL	iP	23 58 30
	eS	00 02 09
	iS	02 19
	iL	03 23
COLU	iP	00 04 53
	i	05 10
	e(PP)	07 36
	iS	13 44
	e	14 38
	e	15 05
	eL	21 17
EUR	iP	00 01 56
	iPcP	03 10
	i	03 55
	i	04 12
HH	iP	00 01 27
	ePcP	03 38
	iS	07 27
	i	07 42
	eScS	11 35
	eL	16 55
PHIL	eP	00 04 51
	eS	13 36
	e	14 30
	eL	25 48

Date and Station		Phase (GCT)
		h m s
RC	iP	00 02 36
	i	03 05
	eS	09 27
	eL	14 05
SLC	eP	00 02 10
SJ	iP	00 06 47
	i	07 03
	eS	17 26
	e	23 26
	eL	28 40
SIT	iP	23 59 17
	eS	00 03 33
	eL	04 23
TUC	eP	00 03 00
	eL	18 54
UK	eP	00 01 25
WASH	iP	00 04 43
	ePcP	05 16
	e	14 38
	eL	30 20
June 12		
BC	e(P)	00 07 52
BOZ	e(P)	00 07 35
COL	eP	00 03 49
	iP	03 54
COLU	e(P)	00 10 01
EUR	iP	00 07 20
HH	iP	00 06 42
RC	eP	00 07 50
SJ	iP	00 12 02
TUC	eP	00 08 13
	i	08 31
WASH	eP	00 09 58
June 12		
COL	eP	00 13 47
EUR	iP	00 11 44
HH	eP	00 11 14
TUC	eP	00 12 45
June 12		
BC	eP	01 39 04
BOZ	eP	01 38 32
COL	iP	01 35 06
EUR	eP	01 38 31
HH	eP	01 38 02

Date and Station		Phase (GCT)
		h m s
SJ	eP	01 43 22
TUC	eP	01 39 36
June 12		
HH	eP	02 41 43
TUC	eP	02 41 06
	e	43 18
June 12		
EUR	iP	05 20 28
June 12		
BC	e(P)	07 37 01
BOZ	eP	07 36 23
COL	eP	07 33 03
HH	eP	07 35 58
June 12		
COL	iP	07 44 28
HH	e(P)	07 47 23
June 12		
HH	eP	08 01 18
June 12		
BC	iP	08 40 20
	i	40 25
BOZ	iP	08 39 54
	i	40 16
	eP'P'	09 07 40
BUT	iP	08 39 49
	i	40 47
	iPP	42 13
	i	42 32
	e(PPP)	44 42
	iS	49 13
	eL	09 06 26
COL	eP	08 36 49
	iP	36 50
	iPcP	38 10
	iS	43 27
	eL	47 39
COLU	eP	08 41 57
EUR	iP	08 40 01
HONO	iP	08 37 53
HH	iP	08 39 35
	eP'P'	09 07 45
RC	eP	08 40 25
SLC	iP	08 40 10
SJ	eP'	08 48 11
	e	58 08

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Date and Station	Phase	Phase (GCT) h m s
TUC	iP	08 40 46
	e	41 17
	eS	51 15
	eL	09 02 31
UK	iP	08 39 36
	i	39 48
WASH	eP	08 41 45
	ePP	45 28
	eL	09 27 12
June 12		
COL	iP	09 03 50
June 12		
BC	eP	10 12 39
BOZ	eP	10 13 16
COL	iP	10 15 46
	i	16 03
EUR	iP	10 13 00
SJ	eP	10 09 03
	iPP	10 20
TUC	iP	10 12 03
	e	12 15
	e	12 41
June 12		
COL	eP	10 19 37
June 12		
TUC	eP	10 35 41
June 12		
COL	eP	10 51 40
June 12		
SJ	iP	16 03 44
June 12		
COL	iP	18 08 16
June 12		
EUR	iP	21 08 58
June 13		
COL	iP	04 14 07
RC	eP	04 18 13
TUC	eP	04 18 54
June 13		
RC	eP	05 01 11
June 13		
COL	eP	05 13 36
RC	eP	05 14 09
June 13		
HH	eP	08 49 59
RC	eP	08 51 08
TUC	e(P)	08 51 37
	e	51 45
June 13		
RC	eP	10 15 49
June 13		
BH	iP	10 53 16
	iS	11 03 47
BC	iP	10 48 57C
	eS	55 54
	eL	59 08
BOZ	iP	10 48 30C
	i	48 35
	iS	54 44
	eL	58 00
BUT	iP	10 48 22D
	iPP	49 58
	iPcP	50 20
	i	50 37
	i	51 10
	iS	54 11
	i	54 26
	e	56 29
	iL	57 25
COLU	iP	10 51 32C
	iS	11 00 20
	e	05 34
	eL	07 38
CHI	iP	10 50 24N,W
	iS	58 16
	eL	11 06 52
COL	iP	10 45 08C
	iS	48 40
	iL	49 46
EUR	iP	10 48 33C
	i	48 53
	iS	54 09
	iL	59 49
HONO	iP	10 47 16C
	eS	52 38
	eL	56 14
	T	11 22 14
T_S = 10.0sec. A=03.0mm.		
T_L = 20.0sec. $A_{max.}$=17.5mm.		
HH	iP	10 48 04C
	ePcP	50 18
	iS	54 00
	i	54 11
	e	57 10
	iScS	58 16
	e	58 31
	eL	11 00 19
PHIL	eP	10 51 25N,E
	e	56 06
	iS	11 00 06
	e(SS)	05 15
	eSSS	07 05
PHIL	eL	11 11 45
RC	iP	10 49 13D
	e	49 32
	ePcP	50 16
	iS	56 05
	i	59 41
	iL	11 07 09
	eP'P'	20 26
SLC	iP	10 48 48C
	ePcP	50 12
	eS	55 19
	eL	58 51
SJ	iP	10 53 27C
	i	53 42
	eS	11 03 48
	e	04 01
	eSS	09 20
	i	11 08
	e(SSS)	14 04
	eL	17 04
SIT	iP	10 45 55D
	iS	50 12
	iL	51 18
TUC	iP	10 49 35C
	i	49 46
	eS	56 47
	e	11 00 16
	eL	02 17
	iL	04 18
UK	eP	10 48 03D
	ePcP	50 14
	iS	53 54
	eL	56 32
WASH	iP	10 51 24C
	e	53 48
	i	53 22
	eS	11 00 10
	eSS	03 54
	e	07 12
	eL	09 01
June 13		
COL	eP	11 09 35
HH	iP	11 12 28
	e	19 48
RC	e(P)	11 13 37
SJ	eP	10 17 50
TUC	eP	11 13 59
June 13		
BOZ	eP	14 07 47
EUR	iP	14 07 45
	iPP	07 54
HH	e(P)	14 07 16
	e	07 28
RC	eP	14 08 28
	i	08 39
June 13		
COL	iP	14 12 52
EUR	iP	14 16 38
RC	iP	14 17 05
June 13		
SJ	eP	17 07 38
June 13		
COL	eP'	20 39 21
EUR	iP'	20 40 33
	iPP	43 38
	i	43 53
HH	iP'	20 40 23
RC	ePP	20 43 23
	e	43 50
SJ	eP'	20 41 23
TUC	ePP	20 44 05
June 13		
COL	iP	20 50 24
June 13		
COL	iP	21 20 05
June 13		
COL	iP	21 40 15
	i	40 25
EUR	iP'	21 45 58
	iPP	46 40
HONO	iP	21 39 29
HH	eP'	21 45 52
RC	eP'	21 46 10
	e	47 35
SJ	iP'	21 47 56
June 14		
COL	eP	02 28 21
June 14		
BC	iP	05 55 39
EUR	iP	05 55 41
	i	59 18
	i	06 01 43
TUC	iP	05 55 46
June 14		
HH	eP	06 01 15
	i	05 02

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Date and Station		Phase	Phase (GCT) h m s
TUC	eP		06 02 34
	e		02 45
June 14			
BC	eP		06 06 05
BOZ	eP		06 05 28
EUR	iP		06 05 31
	i		05 43
	i		05 54
RC	eP		06 06 11
	e		06 23
TUC	eP		06 06 32
June 14			
BH	iP		06 37 07
	iS		47 27
BC	iP		06 32 43
	eS		39 24
	eL		42 35
BOZ	iP		06 32 15
	i		32 28
	iPcP		33 18
	eS		38 28
	e		42 32
	eL		45 16
BUT	iP		06 32 06
	i		32 27
	i		32 48
	iPP		33 35
	i(PPP)		34 23
	iS		38 12
COL	iP		06 28 51
	i		29 56
	iS		32 33
	iL		33 33
COLU	iP		06 35 16
	i		35 25
	i		35 59
	iS		44 03
	i		44 23
	i		45 04
	eL		53 37
EUR	iP		06 32 19
	i		32 32
	iPP		34 25
	iS		37 56
	i		38 07
	iL		43 10
HONO	eP		06 31 12
	eS		38 50
	eL		41 28
	T		07 06 00
HH	iP		06 31 50
	ePcP		33 55
	iS		37 41
	eScS		41 52
	i		42 15
PHIL	eP		06 35 09
	eS		43 51
	eL		54 23
RC	iP		06 33 00
	iS		39 50
	eL		43 34
SJ	iP		06 37 20
	i		40 00
	eS		47 30
SLC	eP		06 32 34
	i		32 46
	eS		39 08
	eL		46 08
SIT	eP		06 29 39
	i		29 52
	i		30 14
	e		30 40
	eS		33 47
	eL		35 07
TUC	iP		06 33 20
	eS		40 32
	e		41 08
	eL		49 26
UK	e(P)		06 31 54
	e		32 02
WASH	eP		06 35 34
	i		35 44
	ePP		37 12
	e		38 09
	eL		56 18
June 14			
COL	iP		06 36 39
June 14			
COL	iP		06 40 21
June 14			
COL	iP		08 12 11
June 14			
HH	eP		09 09 16
	i		09 26
RC	e(P)		09 10 28
	e		10 36
June 14			
COL	iP		11 49 03
June 14			
COL	eP		12 37 34
June 14			
COL	eP		12 45 55
RC	eP		12 50 17
June 14			
COL	eP		15 14 41
EUR	eP		15 18 11
June 14			
EUR	iP		18 06 44
	i		06 55
June 14			
COL	iP		19 35 10
June 14			
COL	iP		21 14 36
EUR	iP		21 19 46
	i		20 05
June 14			
RC	eP		22 45 49
June 15			
COL	eP		01 01 47
June 15			
BH	iP'		01 03 33
	iPP		07 03
BC	eP'		01 04 28
	ePP		09 43
BOZ	eP'		01 04 22
	i		05 19
	ePP		09 07
BUT	eP'		01 04 21
	e		04 44
	e		05 20
	e		06 29
	ePP		08 57
	i		10 18
	e		11 53
	eL		02 10 24
COL	iP'		01 03 54
	e		05 59
	e		09 47
COLU	iP'		01 03 53
EUR	iP'		01 04 27
	i		05 01
HH	eP'		01 04 19
	i		05 13
	e		14 10
RC	eP'		01 04 19
	e		05 06
SLC	iP'		01 04 25
	ePP		09 22
TUC	iP'		01 04 26
	e		06 10
	eL		02 07 40
WASH	eP'		01 03 46
	ePP		07 05
	e(SKS)		11 46
	eL		52 58
June 15			
COL	iP		01 18 46
June 15			
COL	iP		02 52 07
June 15			
EUR	iP		07 09 35
	i		10 44
June 15			
COL	iP		08 29 08
EUR	iP		08 32 33
	i		32 55
June 15			
COL	iP		10 07 27
EUR	iP		10 10 43
RC	eP		10 11 08
June 15			
EUR	eP		11 33 50
RC	e(P)		11 34 00
	e		35 47
TUC	eP		11 34 54
June 15			
HH	eP		15 12 43
	e		13 27
June 15			
BH	iP		18 31 06
	iS		41 08
BC	iP		18 26 19
	eS		32 42
BOZ	iP		18 25 51
	i		26 06
	i		26 59
BUT	iP		18 25 33
	ePP		26 54
	ePPP		27 32
	iS		31 30
	i		32 09
	e		32 47
	eL		34 30
COL	iP		18 22 26
	eS		25 46
	eL		26 37
COLU	iP		18 28 56
	eS		37 22
	iS		37 24
	e		38 43
	eL		45 02
HH	iP		18 25 24
	ePcP		27 52
	eS		31 00
	i		31 32
	iScS		35 37
PHIL	e(P)		18 28 56

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Date and Station		Phase	(GCT)
			h m s
PHIL	iS		18 37 15
	e		38 40
	eL		49 37
RC	iP		18 26 35
	e		32 07
SLC	eP		18 26 09
	i		26 17
SJ	iP		18 30 55
	i		31 11
SIT	eP		18 23 09
	e		23 15
	iS		27 03
	eL		28 03
TUC	iP		18 26 58
	e		27 11
	eS		33 54
	eL		37 44
WASH	eP		18 28 50
	eL		48 52
June 15			
HH	eP		22 01 43
June 15			
COL	iP		22 07 56
	e		09 20
June 15			
COL	eP		22 29 15
EUR	eP		22 32 15
June 16			
RC	eP		00 26 59
June 16			
COL	iP		02 21 18
BOZ	eP		02 24 42
	e		24 55
EUR	eP		02 24 48
	iP		24 51
	i		25 09
HH	eP		02 24 16
	ePcP		26 48
RC	eP		02 25 28
	e		25 40
TUC	eP		02 25 55
June 16			
COL	iP		05 31 17
June 16			
BOZ	eP		08 39 07
EUR	iP		08 38 12
	i		38 14
HH	eP		08 39 32
RC	eP		08 38 54
TUC	eP		08 36 24
	e		40 16
June 16			
COL	eP		10 40 59
	i		41 09
EUR	iP		10 44 15
RC	eP		10 44 39
June 16			
EUR	iP		11 41 43
RC	eP		11 42 28
June 16			
COL	iP		12 14 52
COLU	eP		12 16 14
EUR	iP		12 15 17
RC	eP		12 17 49
TUC	eP		12 15 18
June 16			
EUR	iP		16 23 17
TUC	eP		16 22 10
June 16			
TUC	eP		17 06 55
June 16			
EUR	eP		18 52 58
HH	eP		18 52 26
RC	eP		18 53 36
June 16			
EUR	iP		21 03 28
TUC	eP		21 00 39
June 16			
HH	iP		22 25 02
June 16			
HH	iP		22 29 50
June 16			
HH	eP		23 23 17
June 16			
COL	iP		23 49 18
June 17			
HH	eP		02 14 39
June 17			
BC	iP		06 28 30
BOZ	iP		06 29 12
	e		29 44
BUT	iP		06 29 08
	i		29 25
	eS		39 19
	eL		55 05
COL	iP		06 29 08
	eS		39 17
	eL		54 45
EUR	iP		06 28 37
	i		28 56
HH	iP		06 29 08
	ePP		32 17
	eS		39 26
	eL		55 44
RC	iP		06 29 32
SLC	iP		06 28 56
	e		29 33
TUC	iP		06 28 37
	eL		51 34
UK	eP		06 28 11
June 17			
BOZ	eP		07 40 14
COL	eP		07 37 00
	eS		40 29
	iL		40 40
COLU	eP		07 43 16
EUR	iP		07 40 16
	i		40 25
HH	eP		07 39 49
RC	eP		07 40 58
	e		41 15
SLC	eP		07 40 38
TUC	eP		07 41 20
June 17			
TUC	eP		13 10 14
June 17			
HH	eP		15 47 56
RC	eP		15 49 23
June 17			
EUR	iP		16 14 48
RC	eP		16 14 20
June 17			
EUR	iP		18 58 00
	i		58 25
	i		59 11
June 17			
COL	eP		20 03 26
June 18			
BC	eP'		02 31 13
BUT	eP'		02 31 53
	e		32 45
	ePS		41 52
	eL		03 09 45
COL	iP		02 25 04
	i		25 46
	eS		35 27
	iS		35 49
	eL		49 05
COLU	eP'		02 31 29
	iPKS		34 55
EUR	iP'		02 31 05
	i		31 11
	iPP		32 23
	i		33 41
HH	eP'		02 30 52
	ePP		31 38
RC	eP'		02 31 07
	i		31 12
	ePP		32 26
SJ	eP'		02 31 44
TUC	iP'		02 31 24
	e		31 28
	ePP		33 26
WASH	eP'		02 31 22
	ePP		33 17
	ePKS		34 44
	eL		03 23 49
June 18			
HH	eP		03 21 12
June 18			
HH	eP		03 54 47
June 18			
BC	iP		05 57 02
BUT	iP		05 56 31
COL	iP		05 53 32
EUR	iP		05 56 44
	i		57 03
HH	iP		05 56 17
RC	iP		05 57 08
	e		57 27
TUC	eP		05 57 30
June 18			
COL	iP		06 52 20
TUC	iP		06 58 39

Date and Station		Phase (GCT) h m s
June 18		
EUR	iP	08 20 26
	i	20 28
	iS	20 48
	i	20 51
	iL	21 12
June 18		
COL	eP	09 22 09
June 18		
COL	iP	11 30 31
	ipP	30 53
	iPP	33 05
EUR	e(P)	11 32 58
HH	eP	11 32 30
	e	35 03
RC	e(P')	11 36 38
	ePP	37 38
SJ	eP'	11 38 23
TUC	eP'	11 37 56
June 18		
BC	iP	11 45 29
	iS	45 49
	iL	45 57
EUR	iP	11 45 41
	iPP	45 47
	iS	46 12
	iL	46 22
SLC	eP	11 46 19
	epP	46 39
	iL	47 43
TUC	eP	11 46 42
	eS	47 56
	eL	48 09
June 18		
BC	eP	11 54 51
EUR	eP	11 56 27
	iP	58 06
	i	58 47
June 18		
COL	iP	13 38 17
EUR	eP	13 41 33
	iP	41 37
	i	41 54
RC	eP	13 42 04
June 18		
COL	iP	14 19 17
June 18		
BH	iP'	15 08 09
BOZ	eP'	15 07 07
	ePP	08 07

Date and Station		Phase (GCT) h m s
BUT	ePP	15 08 07
	e	08 50
	i	19 49
	eL	41 46
COL	iP	15 01 10
	eSKS	11 35
	iS	11 59
	ePS	12 47
	eL	22 50
EUR	iPP	15 07 11
	i	07 20
	i	08 31
	i	08 39
RC	ePP	15 07 13
SJ	eP'	15 07 51
WASH	e(P')	15 08 10
	iPP	10 07
	eL	59 25
June 18		
BH	iP	17 32 28
June 18		
EUR	eP	17 49 50
	iS	50 47
	iL	51 13
HH	eP	17 50 20
RC	eP	17 51 18
June 18		
BC	eP	18 09 28
	e	09 42
BOZ	ePP	18 14 07
BUT	iPP	18 14 02
	e	14 52
	e	15 16
	eSKS	20 34
	eS	21 47
	e	21 51
	iPS	23 05
	eSS	28 34
	eL	38 26
COL	iP	18 09 33
	i	09 44
	i	10 05
EUR	iP	18 09 29
	i	09 35
	i	09 46
	i	10 36
	iPP	13 16
	i	13 30
	ePS	22 04
	eL	43 01
HONO	iP	18 05 56
	eS	13 44
	eL	19 40

Date and Station		Phase (GCT) h m s
HH	ePP	18 14 03
RC	e(P)	18 13 25
	iPP	14 38
	e(PKKP)	26 20
SLC	eP	18 10 00
	ePP	14 03
SJ	eP'	18 15 18
TUC	eP	18 09 48
	e	10 05
	ePP	13 23
	e	16 06
	e(S)	21 14
	ePS	22 10
	eL	39 25
UK	eP	18 09 08
	eL	37 48
WASH	ePKS	18 17 25
	eL	55 20
June 18		
COL	iP	20 55 47
June 18		
BOZ	eP	21 31 36
COL	iP	21 28 13
EUR	iP	21 31 40
	i	31 49
RC	eP	21 32 19
June 19		
BC	eP	01 42 17
	e	42 26
BOZ	eP	01 43 00
	e	43 05
BUT	iP	01 42 57
	ePP	46 32
	eS	53 45
	eSS	59 12
	eL	02 12 18
COL	iP	01 42 54
	i	42 59
	iS	53 47
	eL	02 11 15
EUR	iP	01 42 23
	i	42 28
	i	43 45
HH	eP	01 42 59
	i	43 03
	i	43 14
	ePP	46 44
RC	iP	01 43 18
SLC	eP	01 42 40
	iP	42 44

Date and Station		Phase (GCT) h m s
SLC	i	01 43 23
TUC	iP	01 42 20
	i	42 25
	eL	02 07 46
UK	eP	01 42 09
June 19		
EUR	iP	02 08 44
June 19		
COL	iP	03 06 39
	ipP	08 43
EUR	iP	03 06 20
	i	06 40
HH	eP	03 06 49
TUC	iP	03 06 23
June 19		
BOZ	iP	05 29 55
COL	iP	05 26 33
EUR	iP	05 30 01
	i	30 04
	i	30 31
	eS	36 41
HH	eP	05 29 30
	eS	35 26
RC	eP	05 30 37
SJ	iP'	05 34 42
TUC	eP	05 31 01
June 19		
RC	eP	06 18 19
June 19		
COL	iP	07 11 23
EUR	iP	07 14 50
HH	eP	07 14 20
June 19		
BH	iPP	08 20 37
	eL	45 46
BC	eP	08 13 57
	ePP	17 12
	eS	24 32
BOZ	eP	08 14 32
	eS	25 12
	eSS	31 24
	eL	43 12
BUT	eP	08 14 28
	eS	25 01
	eSS	31 12
	eL	42 15

Date and Station		Phase	(GCT)
			h m s
CHI	e(P)		08 15 40
	eS		26 24
	eL		45 00
COL	iP		08 14 09
	i		14 18
	i		14 38
	iS		24 35
	eL		36 02
COLU	ePP		08 20 26
	eSKS		26 36
	eSS		35 32
	eL		47 14
EUR	eP		08 14 00
	iP		14 02
	i		14 10
	i		14 25
	iPP		17 14
	iS		24 50
	eL		40 12
HONO	eS		08 15 40
	eL		20 18
T_S=06.0 sec.		A=2.0mm.	
T_L=12.0 sec.		$A_{max.}$=5.5mm.	
HH	eP		08 14 28
RC	eP		08 14 53
	ePP		18 37
SLC	eP		08 14 19
	i		14 46
	eSKS		24 59
	eSS		29 59
	eL		42 03
SIT	iP		08 14 09
	eS		24 22
	eScS		24 47
	ePS		25 16
	ePPS		25 45
	eSS		29 49
	eL		35 28
TUC	eP		08 14 05
	i		14 07
	e(PPP)		19 10
	iS		24 40
	ePS		25 24
	eL		39 48
UK	eP		08 13 35
	eL		37 38
WASH	ePP		08 20 34
	e(PKKP)		31 42
	eL		55 20
June 19			
BH	iP		09 50 43
	iS		52 25
EUR	eP		09 55 58
	iP		56 08
TUC	e(P)		09 54 54
	e		55 03
June 19			
COL	eP		13 43 32
TUC	eP		13 48 07
June 19			
COL	iP		15 50 07
June 19			
COL	eP		16 03 39
June 19			
COL	eP		17 44 02
June 19			
BC	eP		18 18 04
BOZ	iP		18 17 36
COL	iP		18 14 13
COLU	iP		18 20 36
EUR	iP		18 17 40
	i		17 44
	i		17 52
HH	eP		18 17 11
	e		17 23
	e		19 20
	eS		27 17
RC	eP		18 18 20
TUC	eP		18 18 42
June 19			
HH	e(P)		21 43 03
June 19			
EUR	iP		22 09 36
	i		10 25
HH	eP		22 11 11
June 19			
EUR	e		23 17 14
	iP		17 29
	i		17 35
	i		18 30
TUC	e(P)		23 19 57
June 19			
COL	iP		23 33 26
EUR	iP		23 40 03
	i		40 26
HH	iP		23 38 04
SIT	eP		23 35 03
	i		36 41
June 20			
COL	iP		00 43 51
June 20			
BC	iP		01 19 12
	e		19 42
	ePP		22 33
BOZ	iP		01 19 07
	e		19 30
	iPP		22 24
	eS		29 07
BUT	iP		01 19 01
	i		19 30
	eS		29 10
	eL		43 08
COL	iP		01 16 53
	eS		25 11
	eL		32 25
EUR	iP		01 19 00
	i		19 19
HONO	iP		01 15 43
HH	iP		01 18 52
	eS		28 57
SLC	iP		01 19 13
	i		19 39
SJ	iP'		01 25 39
	i(PP)		28 52
	iPKS		29 48
SIT	iP		01 17 29
	ePcP		18 37
TUC	iP		01 19 32
	ePP		23 05
	eS		30 10
UK	iP		01 18 33
June 20			
EUR	iP		06 47 32
HH	eP		06 48 02
SJ	eP		06 42 41
TUC	eP		06 46 46
June 20			
HH	eP		09 35 23
June 20			
EUR	iP		13 45 36
HH	eP		13 46 22
TUC	eP		13 44 57
	e		45 21
June 20			
HH	iP		15 21 41
June 20			
EUR	iP		18 54 19
HH	eP		18 57 49
June 20			
COL	eP		20 43 15
June 20			
COL	iP		20 49 14
HH	eP		20 52 14
	e		56 24
June 20			
COL	eP		22 03 13
HH	eP		22 04 54
June 20			
COL	iP		23 31 35
June 21			
BC	iP		00 42 39
	i		42 53
EUR	eP		00 42 16
	iP		42 18
	i		42 25
	i		42 58
	iS		43 07
	iL		43 14
FELT: Yosemite			
TUC	e(P)		00 43 51
	eL		46 13
UK	eP		00 42 21
	e		43 14
June 21			
TUC	eP		04 04 23
June 21			
COL	eP		04 57 41
EUR	eP		05 01 42
June 21			
RC	e(P)		06 40 23
	e		42 20
June 21			
EUR	eP		07 26 31
	iP		26 35
June 21			
COL	eP		12 44 55
June 21			
COL	iP		14 27 23
	i		28 34
	i		30 23
EUR	iP		14 30 54
	i		32 05
	i		33 52
June 21			
COL	eP		17 33 34

Date and Station		Phase (GCT)
		h m s
HH	eP	17 26 32
	e	28 41
RC	iP	17 27 40
SJ	iP	17 31 52
June 21		
BOZ	eP	18 48 09
	e	48 26
COL	iP	18 44 49
	i	45 08
	eS	50 08
	eScS	52 42
	eL	54 25
EUR	iP	18 48 21
	i	48 26
	i	48 39
HH	eP	18 47 51
RC	iP	18 48 49
SLC	eP	18 48 44
SJ	eP'	18 56 48
June 21		
EUR	eP	20 48 12
	iP	48 27
	i	48 34
	i	48 49
	iS	49 31
	i	49 40
	i	49 52
June 22		
EUR	iP	02 26 54
	i	26 57
	iL	28 54
HH	eP	02 26 25
TUC	eP	02 27 55
June 22		
COL	eP	03 14 53
TUC	eP	03 14 23
June 22		
COL	eP	05 59 51
June 22		
BH	iP	06 22 48
	iS	25 53
BC	iP	06 24 55
	eS	29 36
	eL	34 01
BOZ	eP	06 25 46
	i	26 13
	iS	31 02
	eL	37 58

Date and Station		Phase (GCT)
		h m s
BUT	iP	06 25 52
	i	27 13
	iS	31 13
	iL	34 01
CHI	iP	06 24 42
	iS	29 30
	iL	35 22
COL	eP	06 29 19
	iP	29 20
	i	29 39
	i	30 02
	iPcP	30 22
	ePP	31 39
	iS	37 28
	e	38 00
	iScS	39 03
	eL	44 51
COLU	iP	06 23 56
	iS	27 54
	iL	28 29
EUR	iP	06 25 23
	i	25 39
	i	25 53
	iPP	26 44
	iPPP	27 15
	iPcP	28 20
	iS	30 28
	iL	34 04
HONO	iP	06 29 19
	i	29 39
HH	iP	06 26 14
	e(PP)	27 53
	iS	31 53
	eL	36 19
PHIL	iP	06 25 09
	e	25 51
	eS	30 36
	iS	31 16
	eL	34 58
RC	iP	06 25 12
	ePP	26 20
	eS	30 03
	eL	35 47
SLC	iP	06 25 13
	iPP	26 42
	iS	30 03
	eL	32 23
SJ	iP	06 24 45
	i(pP)	25 31
	iPcP	28 12
	iS	30 06
	i	30 48
	i	31 40
	iScP	31 50
	iPcS	32 28
	iL	32 48
	eScS	35 41

Date and Station		Phase (GCT)
		h m s
SIT	iP	06 28 14
	i	28 34
	ePcP	29 42
	ePP	30 34
	iS	35 34
	i	36 09
	iScS	38 00
	eL	40 30
TUC	iP	06 24 09
	e	25 39
	iS	28 15
	eL	30 52
	iL	31 07
UK	eP	06 25 58
	eS	31 28
	eL	36 19
WASH	iP	06 24 52
	i	25 07
	eS	29 47
	eL	30 21
June 22		
EUR	eP	06 57 08
	iP	57 12
	i	57 34
	i	59 02
June 22		
EUR	eP	07 27 36
	iP	27 41
TUC	eP	07 25 45
	e	26 01
	eS	26 45
	iL	26 55
June 22		
COL	iP	19 29 29
EUR	iP	09 33 06
	i	33 08
June 22		
COL	iP	19 34 39
COLU	eP	19 29 35
EUR	iP	19 33 02
SJ	eP	19 26 56
	e(S)	31 36
	eL	33 00
TUC	eP	19 32 40
June 22		
COL	iP	20 37 23
EUR	iP	20 36 56
June 22		
COL	eP	20 41 51
June 22		
COL	iP	23 27 07

Date and Station		Phase (GCT)
		h m s
June 23		
BH	iP'	00 09 59
BC	eP	00 04 45
	ePP	09 06
	e	10 30
	eSKS	15 36
	e(PS)	18 52
	eL	37 49
BOZ	eP	00 04 49
	ePP	08 55
	e(SKS)	15 26
	eL	34 22
BUT	eP	00 04 43C
	e	08 35
	e	09 00
	iSKS	15 23
	eS	17 05
	ePPS	19 23
	eSS	24 13
	e(SSS)	29 41
	eL	34 21
CHI	eP'	00 10 58
	ePS	21 14
	eSS	28 10
	eL	40 06
COL	eP	00 03 02C
	iP	03 03D
	i	04 18
	ePP	06 32
	ePPP	08 17
	iS	13 26
	eSS	19 20
	iSSS	23 37
	iL	25 03
COLU	eP'	00 09 41
	i	09 48
	i	09 59
	iPP	12 05
	iPKS	13 10
	eSKKS	19 16
	eSKSP	22 07
	iSS	30 08
	iSSS	34 43
	iL	44 10
EUR	iP	00 04 36
	i	04 47
	iPP	08 52
	i(PS)	18 05
HONO	iP	00 01 24D
	ePP	04 15
	eS	10 25
	eL	21 15

T_P = 5.0 sec. A = 1.25 mm.
T_S = 20.1 sec. A = 5.0 mm.
T_L = 20.0 sec. $A_{max.}$ = 8.5 mm.

HH	eP	00 04 41
	ePP	08 52
	e	11 28

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Date and Station		Phase	(GCT) h m s
PHIL		eP'	00 10 04
		ePP	12 13
		iPKS	13 04
		ePS	23 02
		eSS	30 31
		eL	47 41
RC		eP	00 05 15
		eP'	08 57
		iPP	09 52
		ePKKP	20 02
SLC		eP	00 04 50
		e	08 13
		ePP	09 10
		eSKS	15 27
		ePPS	19 31
		e(PKKP)	20 15
		eSS	24 41
		eSSS	28 23
		eL	36 27
SJ		eP'	00 10 19C
		ePP	14 09
		e(SKS)	17 06
		e	21 57
		e	23 16
		iPPPS	27 24
		i(P'P')	30 05
		eSS	33 24
		eSSS	38 40
		eL	52 37
SIT		iP	00 03 29
		ePP	06 34
		eSKS	14 06
		iSKS	14 07
		iS	14 23
		i	14 54
		ePS	15 20
		eSS	20 36
		eL	26 12
TUC		e(P)	00 05 04
		iPP	09 36
		ePS	18 50
		e(PKKP)	20 37
		eSS	24 48
		eL	35 16
UK		eP	00 04 17
		eL	36 06
WASH		eP'	00 09 44
		ePP	12 04
		ePKS	13 16
		eSKS	17 20
		e(SKKKS)	19 36
		eSSS	35 14
		eL	48 06
June 23			
EUR		iP	00 51 05
		i	51 18
June 23			
COL		eP	00 57 07
June 23			
EUR		iP	02 52 34
HH		eP	02 52 05
RC		eP	02 53 16
TUC		eP	02 53 37
June 23			
EUR		eP	03 05 10
		iP	05 12
		i	06 13
HH		e(P)	03 04 12
RC		eP	03 05 33
June 23			
BC		eP	03 32 43
		epP	33 25
		eL	41 51
BOZ		eP	03 31 40
		e	31 47
		e	35 09
		eS	35 42
		eL	37 42
BUT		eP	03 31 35
		iS	35 19
		iL	36 50
COL		iP	03 29 05
		i	29 43
		eS	30 41
		iL	31 13
COLU		eP	03 35 12
		ePP	37 08
CHI		eS	03 39 26
		eL	45 46
EUR		iP	03 32 10
		i	32 17
		i	33 11
		iPcP	35 22
		iL	39 56
HH		eP	03 31 02
		i	31 08
		e	33 26
		eS	34 31
		eL	36 02
PHIL		eP	03 34 58
		eS	41 34
		eL	44 19
RC		iP	03 32 31
		e	33 13
		e	36 08
		iS	37 11
		eL	40 31
SLC		iP	03 32 17
		eS	36 47
		eL	39 27
SJ		eP	03 37 15
SIT		iP	03 27 26
		e(S)	27 44
TUC		eP	03 33 26
		e	33 55
		eL	46 44
UK		eP	03 31 50
WASH		eP	03 35 00
		ePcP	36 55
		e(S)	41 44
June 23			
TUC		eP	03 44 09
June 23			
BUT		eP	03 50 44
COL		iP	03 50 44
EUR		iP	03 50 13
		i	50 39
TUC		eP	03 50 15
		e	50 42
		e	51 10
June 23			
EUR		iP	06 13 15
		iP	13 20
		i	15 06
SJ		eP	06 05 41
TUC		eP	06 14 19
June 23			
BOZ		e(P)	06 46 07
RC		eP	06 41 19
WASH		eP	06 38 34
June 23			
EUR		iP	12 18 52
TUC		e(P)	12 17 03
June 23			
BC		eP	13 19 47
COL		iP	13 17 45
EUR		iP	13 19 37
		i	19 45
June 23			
BUT		eP	16 15 18
EUR		iP	16 15 12
June 23			
COL		eP	16 59 25
EUR		iP	17 02 30
		i	02 42
RC		eP	17 02 55
SIT		iP	16 57 45
June 23			
COL		iP	19 46 56
EUR		iP	19 46 24
		e	46 36
		i	46 40
TUC		iP	19 45 57
		i	46 20
June 23			
COL		iP	20 34 03
June 24			
EUR		iP	00 15 46
RC		eP	00 16 24
TUC		eP	00 16 03
June 24			
COL		iP	02 06 34
June 24			
COL		eP	02 17 19
June 24			
EUR		iP	02 35 58
		i	36 10
RC		eP	02 36 44
TUC		eP	02 37 05
June 24			
COL		iP	06 05 34
June 24			
COL		iP	06 14 25
TUC		eP	06 19 41
June 24			
COL		eP	08 12 05
RC		eP	08 15 00
June 24			
TUC		eP	09 27 27
June 24			
BH		iP	09 53 30
BC		iP	09 55 36
		e	55 50
		eS	10 00 30
		eL	04 43
BOZ		eP	09 56 27
		e	56 45
		e	57 08
BUT		iP	19 56 33
		eS	10 01 56
		eL	06 52

Date and Station		Phase (GCT)
		h m s
COL	iP	09 59 59
	i	10 00 19
COLU	eP	09 54 38
	iP	54 43
	i	55 00
	eS	58 31
	iS	58 42
	eL	59 28
EUR	iP	09 56 04
	i	56 08
	i	56 19
	i	56 44
	eL	10 06 17
HH	eP	09 56 55
	eS	10 02 33
PHIL	e(PP)	09 57 27
	eL	10 02 02
RC	iP	09 55 52
	e	56 09
	eS	10 00 44
	eL	06 23
SLC	eP	09 55 53
	e(PcP)	59 19
SJ	iP	09 55 30
	i	56 09
	i(PP)	57 12
TUC	iP	09 54 50
	e(PcP)	56 18
	eS	59 06
	eL	10 01 58
WASH	eP	09 55 49
	eL	10 01 39
June 24		
SJ	iP	10 10 06
June 24		
TUC	eP	10 21 55
	e	22 06
June 24		
BC	eP	11 14 54
EUR	eP	11 15 09
	iP	15 12
TUC	eP	11 14 40
June 24		
BC	eP'	11 40 23
COL	eP'	11 39 21
RC	e(PKS)	11 44 02
	e	44 12
WASH	eP'	11 41 06
June 24		
COLU	eP	11 56 10

Date and Station		Phase (GCT)
		h m s
June 24		
BC	iP	13 30 22
	iL	31 37
EUR	iP	13 30 46
	i	30 49
	i	30 54
	i	31 05
SLG	eP	13 31 21
	i	31 40
	eS	32 19
	iL	32 48
TUC	eP	13 31 35
	e	31 59
	eL	33 18
June 24		
EUR	iP	13 45 38
	i	46 25
June 24		
TUC	e(P)	14 13 48
	e	15 05
June 24		
RC	e(P)	20 45 24
June 24		
EUR	iP	21 35 18
June 25		
COL	iP	02 52 20
June 25		
SLC	eP	04 12 48
June 25		
BC	eP'	10 30 26
COL	eP	10 24 31
	i	25 07
EUR	iP'	10 30 19
	i	30 27
RC	eP'	10 30 22
SJ	eP'	10 30 59
TUC	eP	10 30 38
	ePKS	34 04
June 25		
COL	iP	11 11 25
EUR	iP	11 08 34
TUC	eP	11 07 37
June 25		
TUC	eP	11 43 07
June 25		
EUR	eP	16 22 49
	e	26 07

Date and Station		Phase (GCT)
		h m s
June 25		
COL	eP	19 28 19
June 25		
COL	eP	20 17 15
June 25		
COL	eP	22 49 54
June 26		
BC	eP'	03 07 20
	i	07 29
COL	eP'	03 06 52
COLU	eP'	03 07 26
	i	07 30
EUR	iP'	03 07 10
	i	07 20
	iPP	10 29
	i	10 48
	i	12 51
HH	e(PKS)	03 09 35
RC	eP'	03 07 11
SJ	iP'	03 07 30
TUC	iP'	03 07 34
	i	07 43
June 26		
COL	iP	09 54 53
TUC	eP	09 59 20
June 26		
COL	iP	12 48 13
EUR	iP	12 51 36
HH	eP	12 51 08
RC	eP	12 52 17
June 26		
COL	iP	13 07 58
EUR	eP	13 06 20
	iP	06 22
June 26		
COL	iP	15 36 08
	i	36 27
EUR	iP	15 34 35
	i	34 45
	i	34 54
	i	35 10
June 26		
COL	iP	16 52 46
	i	53 01
EUR	iP	16 56 08
	i	56 19
	i	56 24

Date and Station		Phase (GCT)
		h m s
EUR	i	16 56 36
RC	eP	16 56 49
June 26		
COL	iP	18 04 54
	i	05 01
EUR	iP	18 08 24
	i	08 27
June 26		
COL	eP	19 11 58
EUR	iP	19 15 25
	i	15 28
June 26		
COL	iP	19 56 31
EUR	iP	19 59 59
	i	20 00 02
	i	01 39
June 27		
EUR	iP	00 05 45
HH	eP	00 04 59
TUC	eP	00 06 56
June 27		
BH	iP'	00 29 09
	i	01 01 59
BC	iP	00 21 32D
	i	22 10
	i	27 45
	eS	31 46
	eL	41 43
BOZ	iP	00 20 49D
	i	21 42
	i	22 07
	e	24 56
	e(PPP)	25 16
	eS	30 20
	eL	38 04
BUT	iP	00 20 45D
	iS	30 08
	iSS	35 26
	iSSS	38 10
	iL	41 30
	iP'P'	48 46
CHI	iP	00 21 40N,W
	ePP	24 48
	iS	31 44
	eL	43 20
COL	iP	00 17 33C
	iP	17 35
	i	18 06
	i	19 16
	iS	24 07
	iL	27 09
	i	29 42

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Date and Station	Phase	Phase (GCT) h m s
COLU	iP	00 22 24D
	i	23 34
	i	23 44
	i	24 27
	i	29 45
	eSKS	32 42
	iS	33 12
	iPS	34 22
	iSS	39 00
	iSSS	43 25
	iL	47 13
EUR	iP	00 21 12D
	i(ScS)	32 03
HONO	eP	00 20 43C
	eS	30 00
	eSS	34 17
	eL	40 03
T_P = 6.0 sec. A = 3.0 mm.		
T_S = 14.0 sec. A=3.5mm.		
T_L = 15.0 sec. $A_{max.}$=9.0mm.		
HH	iP	00 20 29D
	eS	29 36
	iS	29 44
	eSS	34 01
	eL	37 42
	eP'P'	48 44
PHIL	iP	00 22 02
	ePP	25 20
	iPPP	27 17
	e	31 41
	iS	32 24
	eSS	38 05
	eL	45 44
RC	iP	00 21 09C
	iPP	24 08
	e(PPP)	25 54
	iS	30 45
	iSS	35 57
	eSSS	39 33
	ePKKP	39 12
	eL	43 53
	eP'P'	48 38
SLC	iP	00 21 13D
	iS	30 55
	e	35 59
	eL	43 03
SJ	eP	00 23 20D
	e(P")	27 12
	iPP	28 08
	iSKS	34 20
	iS	35 48
	i(PS)	36 08
	iPPS	37 34
	ePKKP	39 18
	iSS	43 12
	eSSS	47 07
	eL	55 17
SIT	iP	00 18 50C
	iPcP	19 46
	iPP	20 48
SIT	iPPP	00 22 00
	iS	26 30
	i	26 43
	iScS	28 49
	iSS	30 18
	iL	32 12
TUC	iP	00 21 58D
	e	22 14
	ePP	25 18
	ePPP	27 13
	eS	32 22
	iS	32 30
	i(PS)	33 40
	iSS	38 10
	ePKKP	40 35
	eL	44 08
	eP'P'	48 22
UK	iP	00 20 56C
	ePP	23 46
	iS	30 37
	eSS	35 15
	eL	39 17
WASH	iP	00 22 01D
	iPP	25 27
	ePPP	27 25
	eS	32 45
	iPPS	34 13
	eSS	38 07
	eL	46 11
June 27		
COL	iP	01 47 25
	i	47 30
EUR	iP	01 51 04
	i	51 07
	i	51 14
HH	eP	01 50 21
June 27		
COL	eP	02 09 23
EUR	eP	02 13 05
	iP	13 11
June 27		
COL	iP	02 53 18
	i	53 26
	i	53 35
June 27		
COL	iP	03 23 50
HH	eP	03 26 47
RC	eP	03 27 29
June 27		
COL	iP	04 15 29
	i	16 25
EUR	iP	04 17 20
HONO	iP	04 14 40
HH	e(P)	04 21 13
	e	21 29
RC	e(P)	04 22 33
	e	23 04
June 27		
RC	eP	04 32 35
SJ	iP	04 23 02
	i	23 13
June 27		
COL	iP	04 55 08
EUR	iP	04 58 35
TUC	eP	04 59 37
June 27		
BC	eP	07 16 38
	e	16 54
BOZ	eP	07 16 10
	e	16 37
COL	iP	07 12 49
EUR	iP	07 16 13
	i	16 20
	i	16 29
	i	16 39
	i	18 21
HH	iP	07 15 44
	e	23 32
RC	eP	07 16 55
TUC	eP	07 17 17
	e	17 30
June 27		
RC	e(P)	08 26 29
June 27		
BC	eP	13 03 03
COL	iP	13 03 07
EUR	iP	13 03 07
June 27		
COL	iP	14 36 36
	i	36 47
	i	36 49
EUR	iP	14 40 02
	i	40 06
	i	40 12
HH	eP	14 39 32
RC	eP	14 40 40
June 27		
COL	iP	15 06 31
June 27		
COL	iP	16 53 11
June 27		
UK	eP	23 21 04
June 28		
TUC	eP	00 01 38
June 28		
EUR	eP	00 47 26
June 28		
RC	eP	02 13 58
June 28		
EUR	eP	02 44 22
	iP	44 25
	i	44 35
	i	45 12
	i	45 37
	i	45 54
June 28		
COL	eP	03 33 19
June 28		
BOZ	eP	05 05 40
COL	iP	05 02 15
EUR	iP	05 05 41
	i	05 46
HH	eP	05 05 12
RC	eP	05 06 24
TUC	eP	05 06 49
	e	06 56
June 28		
COL	iP	08 03 58
	i	04 08
June 28		
COL	eP	08 38 34
	iP	38 40
June 28		
BOZ	eP	08 41 55
COL	iP	08 48 27
EUR	iP	08 42 01
	i	42 12
RC	eP	08 42 37
June 28		
COL	iP	11 32 18
	i	32 20
EUR	iP	11 33 13
	i	33 18
	i	33 43
	i	34 27

Date and Station		Phase (GCT)
		h m s
RC	e(P)	11 36 31
June 28		
COL	iP	12 09 58
June 28		
COL	eP	12 23 55
	i	24 08
	i	24 13
EUR	iP	12 27 23
HH	eP	12 26 53
RC	eP	12 28 04
TUC	eP	12 28 27
June 28		
COL	eP	15 56 25
	iP	56 30
EUR	iP	16 00 03
	i	00 13
RC	eP	16 00 41
June 28		
COL	eP	19 06 00
EUR	eP	19 06 01
June 28		
RC	e(P)	20 09 03
SJ	iP	20 03 51
June 28		
BOZ	eP	21 35 30
BUT	eP	21 35 34
COL	eP	21 35 18
EUR	iP	21 36 04
	i	36 13
	i	36 43
RC	eP	21 35 11
SJ	eP	21 33 45
June 28		
COL	eP	22 11 09
	iP	11 10
	i	11 19
	iS	12 28
	iL	12 42
June 29		
BOZ	eP	00 23 46
EUR	iP	00 23 33
	i	23 41
	i	23 56
	i	24 06
HH	eP	00 24 04

Date and Station		Phase (GCT)
		h m s
RC	iP	00 23 26
	i	23 59
TUC	iP	00 22 46
June 29		
COL	eP	03 24 31
	e	35 14
June 29		
BOZ	eP	04 10 44
BUT	iP	04 10 49
EUR	iP	04 10 31
	i	10 36
	i	10 49
HH	eP	04 11 01
RC	iP	04 10 25
TUC	iP	04 09 44
June 29		
BC	iP	07 55 52
	i	56 07
	e	56 41
	eS	08 01 59
	eL	03 56
BOZ	iP	07 55 24
	e	56 08
BUT	iP	07 55 14
	iPcP	57 43
	eS	08 00 55
	eL	05 05
COL	iP	07 52 06
	i	52 09
	i	52 12
	i	53 05
	iS	55 20
	eL	56 11
COLU	iP	07 58 35
EUR	iP	07 55 28
	i	55 35
	i	55 43
	i	56 01
	iPP	56 53
	eS	08 01 10
	eL	08 44
HONO	eP	07 54 37
HH	iP	07 54 58
	e(PcP)	57 42
	eS	08 00 21
	eL	05 24
PHIL	eS	08 06 49
	eL	18 04
RC	iP	07 56 12
	ePcP	58 04

Date and Station		Phase (GCT)
		h m s
SLC	iP	07 55 43
	i	56 05
SJ	iP	08 00 38
SIT	iP	07 52 42
	iPP	53 16
	iS	56 20
	iL	56 59
TUC	iP	07 56 32
	ePcP	58 17
	eS	08 03 12
	eL	09 10
WASH	eP	07 58 26
	eL	08 21 58
June 29		
EUR	eP	08 27 46
June 29		
COL	iP	10 16 21
EUR	iP	10 16 34
	i	16 57
June 29		
BC	iP	10 58 16
BOZ	iP	10 57 48
BUT	eP	10 57 40
COL	eP	10 54 26
	iP	54 28
	i	54 33
	i	54 54
	i	55 07
	eS	58 27
	eL	58 54
COLU	iP	11 00 46
EUR	iP	10 57 54
	i	58 13
	i	58 31
	e	03 50
	eS	04 34
	eL	09 33
HONO	eP	10 56 28
HH	iP	10 57 24
RC	iP	10 58 32
	eS	11 05 35
SJ	iP	11 02 39
	i	02 50
TUC	iP	10 58 53
June 29		
COL	iP	21 35 22
	i	35 35
June 29		
BC	eP	22 45 56
	e	49 32

Date and Station		Phase (GCT)
		h m s
BOZ	iP	22 45 12
BUT	eP	22 45 07
COL	iP	22 41 07
	i	42 38
	i	43 22
HH	eP	22 44 52
RC	iP	22 45 34
SIT	iP	22 43 14
June 29		
COL	iP	22 48 54
June 29		
COL	eP	23 23 09
June 29		
COL	eP	23 43 10
June 29		
BOZ	eP	23 58 35
RC	eP	23 58 16
TUC	eP	23 59 23
June 30		
COL	iP	00 10 16
June 30		
COL	eP	00 55 20
	iP	55 22
June 30		
HH	eP	01 00 23
June 30		
COL	iP	01 18 25
June 30		
TUC	eP	01 59 52
June 30		
COL	iP	08 52 54
June 30		
SLC	iP	10 58 08
	i	58 17
June 30		
TUC	eP	13 36 15
June 30		
BUT	eP	19 13 09
June 30		
SLC	eP	20 30 05
	e	30 30
June 30		
EUR	iP	21 53 02

LOCAL AND MINOR EARTHQUAKES

Date and Station	Hour (G.C.T.)
COL	
June	
1	06.9
	12.7
	16.1
2	12.0
3	14.8
4	05.7
5	09.6
	12.5
	21.1
6	11.0
	11.3
	12.0
	19.0
7	11.4
	22.2
8	12.5
9	18.6
10	10.0
	10.7
	11.0
13	00.6
	02.6
14	00.8
	19.6
16	12.6
	18.8
19	23.6
20	00.1
	19.2
21	07.6
	07.9
	09.4
	13.1
	20.2
22	19.5
23	13.8
24	03.1
26	09.0
	13.8
28	05.0
	19.5
	22.2
30	17.5
EUR	
June	
13	07.0
15	17.9
25	05.0
26	14.7
HONO	
June	
1	01.8
2	01.5
3	22.9
4	01.7
	03.7
7	01.5
8	01.6
	02.3
9	00.4
17	07.1
18	02.8
	02.9
19	18.5
	18.6
21	01.4

Date and Station	Hour (G.C.T.)
HONO	
June	
21	19.7
23	04.3
25	00.6
26	00.5
	22.6
28	22.2
29	23.6
SLC	
June	
3	21.4
4	22.6
5	23.3
15	11.5
	19.5
17	23.3
21	19.9
	21.8
24	20.8
25	23.1
26	23.1
29	22.3
SJ	
June	
12	03.1
	10.4
	15.2
13	02.1
	03.6
15	15.9
17	08.9
	15.7
19	18.5
20	17.4
21	10.1
26	02.6
TUC	
June	
1	13.3
2	12.2
3	00.1
	01.9
	10.4
5	11.0
7	03.7
8	01.0
9	02.3
13	06.9
	11.0
21	04.8
22	00.4
	01.1
	01.3
	12.9
23	05.9
25	05.9
27	06.1
28	04.4
	11.5
30	01.3
	01.5
	01.6
	01.7

Date and Station	Hour (G.C.T.)
UK	
June	
5	18.6
10	21.5
18	12.4
24	14.1
	14.2
25	05.8

Date and Station	Hour (G.C.T.)