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SEISMOLOGICAL BULLETIN

October, 1956

MSI - 190

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U. S. DEPARTMENT OF COMMERCE

Sinclair Weeks, Secretary

COAST AND GEODETIC SURVEY—WASHINGTON

H. Arnold Karo, Director

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National Oceanic and Atmospheric Administration

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March 4, 2011

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 1956	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Oct.	h m s	° ′	° ′	
1	15 14 20*	15-1/2 S.	179-1/2 W.	Fiji Islands. h about 500 km.
1	18 04 40*	18-1/2 N.	77 W.	Jamaica. Minor damage at Moneague, Port Maria, and St. Ann's Bay.
2	07 51 30*	21 N.	108 W.	Off coast of Jalisco, Mexico.
2	14 56 26*	53 N.	159 E.	Near southeast coast of Kamchatka. h about 60 km. Mag. 6-1/4 - 6-1/2.
2	15 53 30*	24 N.	109-1/2 W.	Southern Gulf of California.
3	01 09 03**			Off coast of Oaxaca, Mexico.
3	08 18 49*	20 S.	69-1/2 W.	Northern Chile. h about 150 km. Mag. 6-1/2.
3	20 21 40*	41-1/2 N.	110 W.	Southwestern Wyoming.
4	17 15 14**			About 200 miles off coast of Chiapas, Mexico.
5	08 14 44**			About 100 miles off east coast of Kamchatka.
5	21 43 16*	14 S.	167-1/2 E.	New Hebrides Islands. h about 100 km.
6	06 15 57*	2-1/2 N.	126-1/2 E.	Molucca Passage.
6	07 29 11*	73 N.	4-1/2 E.	Arctic Ocean.
6	17 00 14*	16 S.	179 W.	Fiji Islands. h about 100 km.
7	06 52 00*	5 N.	82 W.	Off coast of Panama.
7	19 34 34*	19 S.	177 W.	Fiji Islands region. h about 200 km.
7	21 27 50*	13 S.	167 E.	New Hebrides Islands. h about 100 km.
8	00 19 47*	4 S.	144-1/2 E.	Near north coast of New Guinea. Felt at Rabaul and Angoram. h about 100 km.
8	01 49 09**			About 200 miles off coast of Vancouver Island, B. C.
8	04 29 04*	12 N.	141 E.	Marianas Islands region.
8	14 55 49*	20 S.	174 W.	Tonga Islands.
8	17 22 10**			Near east coast of Formosa.
9	06 19 37*	19-1/2 S.	174 W.	Tonga Islands.
9	10 53 41*	25 N.	46 W.	Atlantic Ocean.
9	14 46 18*	24-1/2 N.	45-1/2 W.	Do.
9	16 50 56*	15-1/2 N.	147-1/2 E.	Marianas Islands.
10	15 31 34*	28-1/2 N.	78 E.	Northern India.
11	02 24 33*	46 N.	150-1/2 E.	Kurile Islands. Felt at Hokkaido, Japan. h about 100 km. Mag. 7-1/4 - 7-1/2.
11	16 48 46*	40-1/2 N.	126-1/2 W.	Off Cape Mendocino, California. Felt in the coastal areas of northern California. Mag. 6.
11	17 18 17*	41 N.	126 W.	Cape Mendocino aftershock. Felt. Mag. 4-3/4 (Berk).
11	17 22 32*	41 N.	125-1/2 W.	Cape Mendocino aftershock. Felt. Mag. 4-3/4 - 5 (Berk).
12	02 37 45*	15-1/2 S.	75 W.	Near coast of central Peru. h about 60 km. Mag. 6-1/2.
12	12 22 46*	42-1/2 N.	144-1/2 E.	Near east coast of Hokkaido, Japan. Felt at Hokkaido. Mag. 6-1/4 - 6-1/2.
12	13 21 52*	42-1/2 N.	144-1/2 E.	Hokkaido aftershock.
12	18 40 34**			New Hebrides Islands. h about 200 km.

Date 1956	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Oct.	h m s	° '	° '	
13	04 47 32*	13 N.	56-1/2 W.	Off north coast of South America.
13	05 04 40*	9-1/2 N.	70 W.	Western Venezuela.
13	08 21 07*	36 N.	70-1/2 E.	Afghanistan. Felt at Faizabad. h about 100 km.
13	15 12 24*	49-1/2 N.	156 E.	Northern Kurile Islands.
13	18 54 06*	5 S.	149-1/2 E.	New Britain. Felt at Numundo and Popondetta. h about 150 km.
13	22 55 20**			Near coast of northern California. Mag. 4-1/4. (Berk)
14	03 59 27*	4 S.	146 E.	Near north coast of New Guinea.
14	09 34 17**			Near east coast of Kamchatka.
14	10 43 28*	18-1/2 N.	145 E.	Marianas Islands. h about 400 km.
14	21 05 36*	38 N.	141-1/2 E.	Off east coast of Honshu, Japan. Felt at Tokyo and in northeastern Honshu. h about 60 km.
15	07 46 00*	11-1/2 N.	126-1/2 E.	Near east coast of Samar, Philippine Islands. Felt at Mambajao. h about 200 km.
15	23 07 20*	37-1/2 N.	68-1/2 E.	Tadzhik S.S.R.
16	10 44 43*	20 N.	157 W.	Hawaiian Islands.
18	03 27 18**			Near north coast of Mindanao, Philippine Islands.
18	07 15 25**			150 miles off coast of Oregon.
19	01 28 53*	11-1/2 S.	76 W.	Central Peru. h about 100 km.
19	10 50 42*	5 S.	154-1/2 E.	Solomon Islands. Felt at Kavieng and Rabaul. h about 150 km.
19	12 00 38*	21 S.	179 W.	Fiji Islands. h about 650 km. Mag. 6.
19	14 05 34*	56-1/2 S.	122 W.	South Pacific Ocean. Mag. 6-1/2.
19	20 47 33*	52 N.	177 E.	Rat Islands, Aleutian Islands. Mag. 6-3/4.
19	21 27 47*	52 N.	177 E.	Rat Islands aftershock.
19	21 37 45**			Do.
19	23 58 30*	42-1/2 N.	127 W.	Off coast of Oregon.
20	03 31 24*	51-1/2 N.	170 W.	Fox Islands, Aleutian Islands.
21	08 39 45*	25 N.	109 W.	Southern Gulf of California.
22	07 26 15*	52 N.	177 E.	Rat Islands, Aleutian Islands.
22	12 35 10*	9-1/2 S.	150 E.	Near southeast coast of New Guinea. Felt at Baniara, Esa'Ala, Losuia, and Sagarai.
22	15 18 13*	9-1/2 S.	150 E.	Near southeast coast of New Guinea. h about 100 km.
23	04 24 52**			Off coast of El Salvador. Felt.
23	08 07 35*	3 N.	95 W.	Northwest of Galapagos Islands. Mag. 5-3/4.
23	08 41 22*	13-1/2 N.	120-1/2 E.	Mindoro Island, Philippine Islands. Felt at Manila, Calapan, and Ramblon. h about 100 km.
23	10 01 48*	19 S.	174 W.	Tonga Islands.
23	10 32 03**			Off southeast coast of Formosa.
24	10 59 26*	47 N.	27 W.	North Atlantic Ocean.
24	14 42 10*	12 N.	87 W.	Near coast of Nicaragua. Minor damage at Managua. Felt in southern El Salvador. Mag. 7-1/4.

Date 1956	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Oct.	h m s	° ′	° ′	
25	05 21 40*	12 N.	87 W.	Nicaragua aftershock. Felt in Nicaragua and El Salvador. Mag. 6-1/4 - 6-1/2.
25	19 04 04*	17-1/2 S.	175 W.	Tonga Islands region.
26	02 47 00*	17-1/2 S.	176 E.	Fiji Islands.
26	08 54 46*	6-1/2 S.	130 E.	Banda Sea. h about 200 km.
26	08 56 30*	21 S.	178 W.	Fiji Islands region. h about 350 km.
26	22 50 24*	14 S.	167 E.	New Hebrides Islands. Mag. 6-1/2.
27	00 45 21*	39-1/2 N.	99 E.	Kansu Province, China.
27	15 33 08*	12 N.	86 W.	Near coast of Nicaragua. h about 200 km. Mag. 5-3/4 - 6.
28	02 55 03**			Fiji Islands.
28	03 28 41*	32 S.	179 W.	Kermadec Islands. Mag. 6-3/4 - 7.
28	06 42 52*	17 S.	173 W.	Tonga Islands.
28	10 45 06*	14 N.	123-1/2 E.	Luzon, Philippine Islands. Felt at Daet, Inbanta, and Legaspi.
28	18 18 50**			Off east coast of New Britain.
29	07 34 57**			Dodecanese Islands.
29	15 42 08*	8-1/2 S.	77 W.	Central Peru. h about 60 km.
29	16 21 00**			Northern Iceland foreshock. Felt.
29	22 33 49*	22 S.	177 W.	Tonga Islands region. h about 200 km.
30	00 11 03*	66-1/2 N.	17-1/2 W.	Near coast of northern Iceland. Felt.
30	22 52 27*	5 N.	79 W.	Off coast of Colombia.
31	00 03 04*	5 N.	79 W.	Do.
31	02 34 40**			Fiji Islands. h about 500 km.
31	14 03 38*	26-1/2 N.	54-1/2 E.	Southern Iran. Many killed and extensive property damage in Laristan. Mag. 6-3/4.
31	14 22 19*	27 N.	54-1/2 E.	Iran aftershock.
31	22 21 15**			Northeast India.

Date and Station		Phase	(GCT) h m s
Oct. 1			
HH		e(P)	00 41 22
Oct. 1			
COL		iP	03 36 28
Oct. 1			
EUR		eP	06 04 42
Oct. 1			
COL		eP	07 07 52
EUR		iP	07 07 33
HH		e(P)	07 08 03
TUC		eP	07 07 35
Oct. 1			
SJ		iP	09 03 42
		e	04 45
Oct. 1			
EUR		eP	10 04 57
Oct. 1			
HH		e(P)	12 16(32)
Oct. 1			
EUR		eP	14 09 10
Oct. 1			
COL		iP	15 26 00
EUR		iP	15 25 43
HH		eP	15 26 12
Oct. 1			
BC		eP	18 12 00
BUT		eP	18 12 21
COLU		iP	18 08 33
		eL	12 50
EUR		iP	18 12 18
HH		iP	18 12 38
		e	13 20
		iPcP	14 32
RC		iP	18 11 25
SLC		eP	18 11 57
SJ		e(P)	18 07 15
		iS	09 16
Oct. 1			
EUR		eP	20 02 11
Oct. 2			
EUR		e(P)	00 47 03
Oct. 2			
BC		iP	07 55 24
		i	55 39
EUR		iP	07 56 15
SLC		eP	07 56 09
TUC		e(P)	07 54 29
Oct. 2			
BC		iP	15 06 30
		iPcP	07 24
BUT		eP	15 05 49
COL		eP	15 02 20
		e	04 13
		iS	07 06
		e	07 48
		iL	09 10
EUR		iP	15 06 07
		i	06 35
		eS	13 41
		e(P'P')	35 31
HH		iP	15 05 31
		ipP	05 44
		iPcP	06 57
		eP'P'	35 39
RC		iP	15 06 32
		ipP	06 45
		iS	14 42
		eP'P'	36 02
SLC		eP	15 06 16
		iP	06 18
		e(P'P')	35 48
SJ		eP	15 10 03
		ePP	14 03
SIT		iP	15 03 29
TUC		eP	15 07 03
		e	11 25
		eS	15 23
UK		eP	15 05 42
WASH		iP	15 08 22
Oct. 2			
EUR		eP	15 10 57
Oct. 2			
BC		eP	15 56 43
		i	56 50
		i	57 12
BUT		eP	15 58 34
COLU		e(P)	15 59 19
EUR		iP	15 57 31
		i	57 59
		eL	16 02 32
HH		eP	15 57 57
RC		iP	15 58 18
		eL	16 04 48
SLC		eP	15 57 35
		e(S)	16 01 08
		eL	02 52
SJ		eP	16 01 14
TUC		eP	15 55 40
		e	55 45
		e(S)	57 32
		iL	58 02
Oct. 2			
EUR		iP	17 35 49
HH		eP	17 37 15
RC		eP	17 36 37
		e	37 04
SLC		eP	17 35 51
Oct. 2			
EUR		eP	19 47 48
		e	48 07
Oct. 2			
EUR		eP	20 46 02
		eS	47 15
		eL	47 25
Oct. 2			
COL		e(P)	23 55 06
		e	56 03
Oct. 3			
BC		iP	01 14 41
		i	15 51
EUR		iP	01 15 11
HH		e(P)	01 16 08
TUC		eP	01 13(55)
		eL	20(03)
Oct. 3			
EUR		eP	03 15 54
Oct. 3			
COL		iP	03 32 27
		i	32 40
EUR		iP	03 36 06
		i	36 19
HH		eP	03 35 33
Oct. 3			
BH		eP	08 26 22
BC		iP	08 29 54
		ipP	30 19
		isP	30 31
		ePP	32 31
		epPP	33 01
BC		eS	08 39 14
		esS	39 52
		eP'P'	57 50
BUT		iP	08 30 31
		ipP	30 56
		isP	31 09
		e	32 56
COL		iP	08 32 35
		iPP	36 47
		i	37 08
COLU		iP	08 28 10
		ipP	28 35
		isP	28 45
		ePP	30 14
		eS	35 39
		iS	35 42
		isS	36 25
		e	37 17
		iScS	37 48
		i	38 35
		eSS	39 40
		eL	41 30
EUR		iP	08 30 13
		ipP	30 39
		isP	30 50
		eP'P'	58 00
HH		iP	08 30 43
		ipP	31 08
		isP	31 21
		i	31 32
		ePP	34 14
		ePPP	36 06
RC		iP	08 29 57
		ipP	30 23
		e(S)	40 16
SLC		iP	08 30 04
		ipP	30 30
		isP	30 41
SJ		eP	08 25 56
		ipP	26 22
		i	27 51
		iS	31 39
		i	32 18
		i	32 50
		eL	34 20
		iScS	36 00
TUC		iP	08 29(28)
		epP	29(53)
		eP'P'	58(41)
UK		iP	08 30 36
		ipP	31 01
WASH		iP	08 28 39
		ipP	29 04
		e(S)	37 02
Oct. 3			
EUR		eP	09 25 03

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Date and Station		Phase (GCT) h m s
Oct. 3		
COL	iP	11 00 00
	eL	00 56
EUR	eP	11 05 09
HH	eP	11 04 11
	e	04 24
	e	04 31
Oct. 3		
COL	iP	16 38 48
EUR	eP	16 38 29
Oct. 3		
EUR	eP	16 48 03
Oct. 3		
BC	e(P)	20 23 21
	iL	25 31
EUR	iP	20 22 54
	iL	24 02
	i	24 14
HH	e(P)	20 23 32
	e	23 53
	e(S)	25 11
	eL	25 17
RC	eP	20 23 20
	eS	24 26
SLC	iP	20 22 05
	iL	22 37
Oct. 3		
EUR	iP	21 32 27
Oct. 3		
HH	iP	23 06 33
Oct. 3		
BC	e(P)	23 27 24
TUC	e(P)	23 26 16
Oct. 4		
COL	i(P)	00 42 27
EUR	eP	00 45 49
Oct. 4		
COL	iP	02 36 05
	e	36 43
Oct. 4		
EUR	eP	03 26 57
Oct. 4		
BC	e(P)	04 04 21
	iL	05 47
EUR	eP	04 05 21
	eL	07 49
TUC	eP	04 04 06
	e(S)	04 38
TUC	eL	04 04 46
Oct. 4		
BC	eP	04 53 22
	i	53 36
EUR	eP	04 54 11
HH	eP	04 55 52
TUC	iP	04 52 30
	e	54 48
Oct. 4		
COL	eP	07 34 54
HH	e(P)	07 32 36
Oct. 4		
BC	iP	09 13 16
	i	13 42
	i	14 15
	iL	14 53
EUR	eP	09 14 27
	eL	16 46
TUC	eP	09 12 46
	i	13 06
	eL	13 54
Oct. 4		
HH	iP	13 16 47
Oct. 4		
COL	iP	15 02 29
Oct. 4		
HH	eP	16 04 21
Oct. 4		
BC	iP	17 21 13
	i	21 44
	iPP	22 02
COL	iP	17 25 39
EUR	iP	17 21 40
	i	22 14
HH	eP	17 23 05
	iPcP	25 01
RC	e(P)	17 22 15
Oct. 4		
BC	iP	20 07 20
	i	07 26
	i	08 02
	iL	09 17
Oct. 5		
EUR	eP	00 35 03
SJ	eP	00 35 24
Oct. 5		
BC	eP	08 28 32
COL	eP	08 24 18
EUR	iP	08 28 10
RC	eP	08 28 31
Oct. 5		
HH	iP	08 57 12
Oct. 5		
COL	iP	09 51 43
Oct. 5		
HH	e(P)	19 13 30
Oct. 5		
HH	e(P)	20 34 44
Oct. 5		
BC	iP	21 56 03
	i	56 19
	ipP	56 36
	e	58 22
	ePP	59 35
COL	iP	21 55 47
	ipP	56 18
EUR	iP	21 56 04
	ipP	56 37
	iPP	59 37
HH	e(P)	21 56 24
Oct. 5		
TUC	e(P)	22 35 29
	e	37 20
Oct. 6		
HH	e(P)	00 44 52
Oct. 6		
TUC	eP	02 42 03
Oct. 6		
COL	iP	06 28 38
Oct. 6		
EUR	eP	06 45 44
Oct. 6		
BC	eP	07 39 46
COL	iP	07 37 00
EUR	iP	07 39 26
TUC	eP	07 40 04
Oct. 6		
EUR	eP	12 32 17
Oct. 6		
EUR	eP	12 48 25
Oct. 6		
EUR	eP	12 55 08
HH	eP	12 59 40
Oct. 6		
BC	i(P)	14 20 39
	iP	20 45
	i	21 33
	i	21 56
	iL	22 29
EUR	iP	14 19 48
	iS	20 30
	iL	20 42
TUC	eP	14 22 12
	eL	24 34
Oct. 6		
COL	eP	15 29 10
EUR	eP	15 32 43
Oct. 6		
BC	iP	17 12 15
	e	12 28
	ePP	15 28
COL	iP	17 12 37
	ipP	12 57
	iePP	13 17
	e	15 00
EUR	iP	17 12 19
	ipP	12 40
HH	eP	17 12 47
RC	eP	17 13 10
SLC	eP	17 12 36
TUC	iP	17 12 21
Oct. 6		
EUR	e(P)	22 38 49
	i	39 07
Oct. 6		
HH	iP	22 52 25
Oct. 7		
EUR	eP	00 30 54
Oct. 7		
EUR	iP	01 02 32
	i	02 47
TUC	eP	01 00 42
Oct. 7		
HH	iP	01 45 58
Oct. 7		
HH	e(P)	02 49 48
Oct. 7		
EUR	eP	04 55 57
HH	eP	04 56 23
TUC	eP	04 55 58

B 4297-4.

Date and Station		Phase (GCT) h m s
Oct. 7		
COL	eP	06 47 42
Oct. 7		
BH	eP	06 53 08
BC	eP	07 00 00
	i	00 02
COL	iP	07 03 46
EUR	iP	07 00 26
HH	eP	07 01 02
	i	01 05
RC	iP	07 00 04
SLC	eP	07 00 14
SJ	eP	06 56 45
TUC	iP	06 59 21
	e	59 29
Oct. 7		
EUR	eP	07 36 40
Oct. 7		
EUR	eP	08 37 32
TUC	eP	08 37 32
	e	38 35
Oct. 7		
EUR	eP	09 38 49
TUC	eP	09 38 45
Oct. 7		
EUR	eP	11 20 50
Oct. 7		
BC	iP	19 46 24
	epP	47 15
COL	iP	19 46 59
	i	47 17
	ipP	47 53
EUR	iP	19 46 32
	ipP	47 23
RC	eP	19 47 22
SLC	eP	19 46 48
TUC	iP	19 46 30
	ipP	47 21
Oct. 7		
BC	eP	21 40 37
COL	iP	21 40 19
	i	41 56
EUR	iP	21 40 38
	ipP	44 13
	i(eP)	44 28

Date and Station		Phase (GCT) h m s
EUR	ePP	21 44 22
HH	eP	21 41 20
TUC	eP	21 40 51
	ipP	41 11
Oct. 8		
BC	ePP	00 37 39
COL	iP	00 32 12
	epP	32 38
	isP	32 48
EUR	iP	00 33 27
HH	eP	00 33 31
	epP	33 55
	e	36 45
RC	e(P')	00 37 55
	ePP	38 38
SJ	eP'	00 39 19
TUC	ePP	00 38 09
Oct. 8		
EUR	eP	00 50 37
Oct. 8		
EUR	eP	00 58 35
Oct. 8		
BUT	eP	01 52 04
COL	eP	01 53 26
	eL	59 20
EUR	iP	01 52 29
	i	52 48
HH	eP	01 51 40
RC	eP	01 53 33
TUC	eP	01 54 08
Oct. 8		
EUR	iP	02 02 54
Oct. 8		
COL	eP	02 36 20
EUR	eP	02 39 46
Oct. 8		
COL	eP	02 58 10
	eS	03 02 16
	eL	02 38
EUR	eP	03 01 46
Oct. 8		
BC	eP	04 42 25
BUT	eP	04 42 19

Date and Station		Phase (GCT) h m s
COL	iP	04 40 25
	i	41 05
EUR	iP	04 42 18
HH	eP	04 42 11
RC	eP	04 42 52
TUC	eP	04 42 46
Oct. 8		
COL	iP	05 00 46
	i	02 12
	eS	03 59
	e	04 26
	eL	05 00
EUR	eP	05 04 37
TUC	eP	05 05 47
Oct. 8		
COL	eP	07 29 07
	e	30 39
Oct. 8		
HH	e(P)	08 04 10
	e	09 34
	eL	10 07
Oct. 8		
BC	iP	15 07 55
	i	08 12
	i	08 43
BUT	eP	15 08 33
COL	iP	15 08 35
	i	08 54
	ePP	11 43
	e(PPP)	14 33
	eS	19 00
	e	19 14
	e(PS)	19 42
	eSS	25 53
	eL	34 16
EUR	iP	15 08 02
RC	eP	15 08 55
	eL	43 09
SLC	iP	15 08 21
TUC	eP	15 08 02
UK	eP	15 07 38
Oct. 8		
COL	eP	15 46 15
Oct. 8		
COL	eP	17 33 20
Oct. 8		
COL	iP	17 53 09

Date and Station		Phase (GCT) h m s
Oct. 8		
EUR	eP	20 05 29
Oct. 8		
HH	eP	20 58 15
Oct. 8		
BC	eP	22 50 37
EUR	eP	22 50 40
	epP	52 52
HH	e(P)	22 50 31
RC	eP	22 49 29
Oct. 9		
EUR	iP	03 45 39
	i	45 55
Oct. 9		
EUR	iP	04 09 29
Oct. 9		
COL	eP	05 42 18
EUR	eP	05 41 46
TUC	e(P)	05 41 43
Oct. 9		
BC	iP	06 31 45
BUT	eP	06 32 21
COL	iP	06 32 22
EUR	iP	06 31 49
	i	32 18
HH	eP	06 32 24
RC	eP	06 32 29
SLC	eP	06 32 08
	iP	32 10
TUC	eP	06 31 49
Oct. 9		
EUR	iP	06 50 12
Oct. 9		
EUR	eP	09 03 40
	i	04 38
Oct. 9		
BC	iP	11 03 47
	i	04 13
	ePP	05 52
BUT	iP	11 03 27
COL	iP	11 05 10
EUR	iP	11 03 49
	iPcP	04 36
	iPP	06 00

Date and Station		Phase (GCT) h m s
HH	eP	11 03 34
RC	iP	11 02 38
SLC	iP	11 03 26
SJ	iP	10 58 16
TUC	iP	11 03 29
UK	iP	11 04 27
Oct. 9		
EUR	eP	13 29 48
Oct. 9		
BC	e(P)	13 58 35
EUR	eP	13 58 08
HH	e(P)	14 00 15
TUC	eP	13 57 52
Oct. 9		
BC	iP	17 03 35
	i	03 54
COL	iP	17 01 40
EUR	iP	17 03 35
HH	iP	17 03 31
	i	03 40
RC	eP	17 04 11
SLC	eP	17 03 49
TUC	eP	17 04 06
Oct. 9		
BC	iP	14 56 28
COL	iP	14 57 51
EUR	iP	14 56 29
HH	eP	14 56 27
RC	iP	14 55 18
SLC	eP	14 56 06
SJ	eP	14 50 54
	eS	54 40
	e	54 52
TUC	eP	14 56 09
UK	eP	14 57 07
Oct. 9		
EUR	eP	17 27 18
HH	eP	17 27 13
Oct. 9		
COL	eP	22 45 06

Date and Station		Phase (GCT) h m s
EUR	eP	22 48 35
HH	e(P)	22 48 09
	i	48 54
Oct. 10		
COL	eP	01 12 47
Oct. 10		
COL	iP	02 13 07
Oct. 10		
COL	iP	04 03 13
EUR	eP	04 06 30
Oct. 10		
COL	eP	04 55 34
	epP	55 54
EUR	eP	04 56 11
	i	56 32
Oct. 10		
COL	eP	09 10 13
	ipP	10 26
EUR	eP	09 13 53
Oct. 10		
BC	e(P).	09 35 41
COL	iP	09 36 11
EUR	eP	09 35 52
TUC	eP	09 35 36
Oct. 10		
BC	eP'	15 50 22
COL	iP	15 43 50
	i	44 28
	iPP	46 53
EUR	eP'	15 50 15
	i	50 55
HH	eP'	15 49 29
	e	49 54
TUC	eP'	15 50 29
Oct. 10		
EUR	eP	16 01 09
Oct. 10		
EUR	eP	22 52 32
HH	e(P)	22 54 12
TUC	eP	22 50 45
	e	51 04
	e(S)	51 28
	eL	51 52
Oct. 11		
EUR	eP	00 52 03

Date and Station		Phase (GCT) h m s
TUC	e(P)	00 52 08
Oct. 11		
BC	iP	02 35 28C
	eS	44 19
	eL	51 27
BOZ	iP	02 35 03N,E
	iS	43 31
	iL	50 59
BUT	iP	02 34 53C
	ipP	35 21
	i(PP)	37 29
	iPcS	39 25
	iS	43 15
	i	44 35
	i	45 16
	iSS	47 23
	i	50 51
	iL	51 53
	eP'P'	03 03 48
	iP'P'	04 07
CHI	eP	02 36 26S,E
	ePP	39 08
	epPP	39 30
	ePPP	41 11
	iS	46 08
	isS	46 34
	eSS	51 12
	eSSS	54 32
	eL	56 28
COL	iP	02 31 45D
	ePP	33 04
	e(PPP)	34 05
	iS	37 29
	isS	38 12
	iL	40 07
	e(P'P')	03 02 32
COLU	iP	02 37 16C
	ipP	37 47
	i	38 10
	iPP	40 48
	ePPP	42 33
	iS	47 30
	iPS	48 35
	e	50 55
	eSS	53 06
	esSS	53 43
	eSSS	57 00
	eL	59 42
EUR	iP	02 35 08C
HONO	iP	02 33 10C
	ipP	33 45
	iPP	35 02
	iPPP	36 00
	iS	40 02
	isS	40 48
	iScS	42 50
	iL	44 40

T_P=10 sec. A=2.5mm.
T_S=10 sec. A=10mm.

Date and Station		Phase (GCT) h m s
T_L = 20 sec. A = 2.5mm.		
T_L = 12 sec. Amax. = 5mm.		
HH	iP	02 34 38C
	iPcP	35 26
	iS	42 46
	iScS	44 17
	e	03 03 16
	e	03 40
	iP'P'	04 03
RC	iP	02 35 36
	iS	44 30
	isS	45 24
	eL	52 26
SLC	iP	02 35 18D
	ipP	35 46
	isP	36 01
	eS	43 59
	eP'P'	03 03 38
	iP'P'	03 45
	ipP'P'	04 22
SJ	iP	02 38 48C
	e	42 10
	iPP	43 04
	e	43 11
	e	44 25
	ePPP	45 40
	iSKS	49 16
	iSKKS	50 02
	iS	50 40
	iSP	52 40
	e	54 37
	eSS	58 10
	eSSS	03 02 22
	eL	08 26
SIT	iP	02 32 46D
	ipP	33 17
	iPP	34 32
	i	35 04
	iPPP	35 28
	iPcS	38 00
	iS	39 20
	i	40 20
	iScS	42 26
	iL	42 58
TUC	iP	02 35 36C
	epP	36 27
	e	38 08
	ePP	38 31
	epPP	39 02
	e	39 33
	iS	45 17
	i(PS)	45 54
	e	47 38
	e(SS)	49 56
	e	50 08
	eSSS	53 07
	e	56 32
	eL	03 01 12
	eP'P'	03 32
UK	iP	02 34 41C
	e(pP)	35 13

Date and Station		Phase	(GCT) h m s
UK		iS	02 42 54
		iScS	44 11
		iSS	47 00
		eL	51 04
WASH		iP	02 37 04C
		ipP	37 34
		iPP	40 26
		iS	47 18
		isS	48 14
		eSS	52 30
		eL	59 10
Oct. 11			
EUR		eP	02 55 43
HH		eP	02 55 14
Oct. 11			
BC		eP	03 03 42
EUR		iP	03 03 37
Oct. 11			
BUT		eP	03 11 54
EUR		iP	03 12 04
HH		iP	03 11 45
Oct. 11			
SLC		eP	03 37 42
Oct. 11			
COL		iP	05 16 06
EUR		iP	05 16 44
Oct. 11			
EUR		eP	06 16 24
Oct. 11			
SLC		eP	12 02 27
Oct. 11			
SLC		eP	13 31 52
Oct. 11			
BC		iP	16 51 15
		i(S)	53 20
		iL	53 30
BOZ		iP	16 51 37
		iS	53 57
		eL	54 09
BUT		iP	16 51 26
		iS	53 38
		iL	53 58
COL		iP	16 54 34
		e	55 10
		ePP	55 25
		ePPP	55 48
		i	56 07
		eS	59 20
		i	59 42

Date and Station		Phase	(GCT) h m s
COLU		iP	16 55 55
		iPP	57 16
		eS	17 01 20
		eL	03 54
EUR		iP	16 50 42
HONO		eP	16 55 26
		iPPP	56 46
		i(S)	17 01 04
		iL	02 30
T_L = 8 sec. $A_{max.}$ = 35mm			
HH		iP	16 51 32
		iS	53 46
		iL	54 41
RC		iP	16 52 48
		e(S)	56 21
		eL	58 21
SLC		iP	16 51 25
		iS	53 30
		iL	53 42
SJ		eP	16 58 26
		ePP	17 00 36
		ePPP	01 46
		eS	06 13
		eSS	10 06
		eL	11 26
SIT		iP	16 52 54
		iS	56 23
		iL	56 43
		iPcP	57 27
TUC		iP	16 52 21
		iS	55 14
		eL	56 48
UK		iP	16 49 30
		iS	49 58
		iL	50 20
WASH		iP	16 56 03
		eS	17 01 44
		eL	04 48
Oct. 11			
BC		eP	17 20 54
		eL	23 04
COL		eP	17 24 04
		i	24 21
EUR		iP	17 20 12
HH		eP	17 21 03
RC		eP	17 22 18
TUC		eP	17 21 51
UK		iP	17 19 00
Oct. 11			
COL		iP	17 28 15

Date and Station		Phase	(GCT) h m s
HH		eP	17 25 13
RC		iP	17 26 28
TUC		iP	17 26 02
Oct. 11			
EUR		eP	19 15 02
		e	15 20
Oct. 11			
EUR		eP	19 40 53
		i	41 21
Oct. 11			
EUR		eP	19 54 24
Oct. 11			
COL		eP	20 30 29
EUR		eP	20 33 13
Oct. 11			
COL		eP	21 14 35
EUR		eP	21 17 06
HH		eP	21 16 46
Oct. 11			
EUR		eP	21 20 09
Oct. 11			
EUR		eP	22 44 57
Oct. 12			
BH		e(P)	02 43 06
BC		iP	02 48 14
		e(S)	58 03
BUT		eP	02 48 53
COL		iP	02 51 12
		ePP	55 11
		eSKS	03 01 51
		e(SSS)	12 02
		eL	18 24
COLU		iP	02 46 34
		eS	53 36
		iSS	56 22
		eSSS	57 22
		eL	58 34
EUR		iP	02 48 35
		i	49 39
		i	49 51
		iPP	50 43
HH		iP	02 49 10
		ePP	51 55
RC		eP	02 48 21
PHIL		iP	02 47 15
		iS	54 59
		i	55 10
		eScS	56 20

Date and Station		Phase	(GCT) h m s
PHIL		e	02 57 05
		eL	03 01 35
SLC		eP	02 48 19
		i	48 39
SJ		eP	02 44 33
		iPP	45 12
		e	46 04
		ePcP	46 22
		e	47 47
		eS	50 03
		eL	52 16
TUC		eP	02 47 40
		iPcP	48 07
		eS	55 44
		eL	03 03 18
WASH		iP	02 47 10
		ePcP	47 54
Oct. 12			
EUR		eP	02 58 34
TUC		e(P)	02 57 41
Oct. 12			
EUR		eP	03 17 09
Oct. 12			
EUR		eP	03 25 26
HH		e(P)	03 26 02
TUC		eP	03 24 29
		i	24 31
Oct. 12			
COL		eP	03 55 15
Oct. 12			
COL		eP	09 46 31
EUR		eP	09 46 17
HH		e(P)	09 45 05
		eL	48 21
Oct. 12			
COL		eP	09 51 45
Oct. 12			
COL		iP	12 29 43
EUR		iP	12 33 04
Oct. 12			
BC		iP	12 34 22
		i	34 43
		i	35 38
BUT		iP	12 33 48
COL		iP	12 30 43
		i	30 50
		i(PP)	32 12
		iS	37 14

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Date and Station		Phase (GCT) h m s
COL	•	12 38 02
	•L	40 22
EUR	iP	12 34 05
HH	iP	12 33 37
	•S	42 24
RC	•P	12 34 28
PHIL	•S	12 46 38
	•L	13 07 07
SLC	•P	12 34 13
TUC	•P	12 34 50
Oct. 12		
COL	iP	12 52 49
EUR	•P	12 56 04
Oct. 12		
COL	iP	13 29 54
EUR	iP	13 33 10
	i	33 44
HH	•P	13 32 44
Oct. 12		
EUR	•P	16 09 48
	i	11 32
Oct. 12		
EUR	•P	17 04 59
Oct. 12		
BC	iP	18 53 12
	•	54 51
	•	19 00 12
COL	•P	18 53 03
EUR	iP	18 53 14
Oct. 12		
EUR	•P	18 57 29
Oct. 12		
EUR	•P	20 15 55
Oct. 12		
EUR	•P	21 07 21
Oct. 12		
COL	•P	21 44 17
Oct. 12		
EUR	•P	23 03 37
Oct. 12		
EUR	•P	23 23 24
	•	24 02
SLC	•P	23 27 05

Date and Station		Phase (GCT) h m s
Oct. 13		
BH	iP	04 06 58
	•S	08 42
Oct. 13		
BC	iP	04 57 21
COL	iP	04 59 39
EUR	iP	04 57 32
	iPoP	58 22
HH	•P	04 57 36
RC	•P	04 56 36
SJ	iP	04 50 11
	•(S)	51 49
	iL	52 06
TUC	iP	04 56 54
Oct. 13		
BC	iP	05 13 27
	i	13 59
BUT	•P	05 13 50
	•PP	15 58
COL	•P	05 16 33
COLU	•P	05 10 26
	•	10 39
	•	16 08
	•L	20 39
EUR	iP	05 13 43
HH	iP	05 14 05
	i	14 27
	•PP	16 04
RC	iP	05 13 00
SLC	•P	05 13 26
SJ	iP	05 07 00
	•(S)	08 37
	iS	08 41
	iL	08 48
TUC	iP	05 12 52
Oct. 13		
COL	•P	06 21 13
EUR	iP	06 24 46
Oct. 13		
EUR	iP	07 43 28
HH	•(P)	07 42 38
Oct. 13		
COL	iP	08 32 40
	i	32 08
	i	33 32

Date and Station		Phase (GCT) h m s
EUR	•P	08 35 10
HH	•P	08 34 28
Oct. 13		
EUR	•P	08 39 00
Oct. 13		
COL	iP	10 04 44
EUR	•P	10 08 07
Oct. 13		
COL	•P	10 10 31
EUR	•P	10 10 27
HH	iP	10 10 57
Oct. 13		
EUR	•P	11 51 28
SJ	iP	11 44 45
	•(S)	46 26
	•L	46 35
Oct. 13		
EUR	•P	12 32 55
TUC	•P	12 31 12
Oct. 13		
COL	iP	12 40 37
	i	40 56
EUR	iP	12 44 18
	ipP	44 46
HH	•P	12 43 43
RC	•P	12 44 43
TUC	•P	12 45 11
Oct. 13		
EUR	iP	13 52 22
	iS	53 06
	iL	53 13
Oct. 13		
EUR	•P	13 54 57
Oct. 13		
BC	iP	15 22 39
	iPoP	23 14
BUT	•P	15 22 24
COL	iP	15 19 05
	i	19 29
EUR	iP	15 22 38
	ipP	22 54
HH	iP	15 22 08
	ipP	22 21
RC	•P	15 23 06

Date and Station		Phase (GCT) h m s
SLC	•P	15 22 49
Oct. 13		
COL	iP	19 06 18
	ipP	06 31
EUR	•P	19 07 25
HH	•P	19 07 30
RC	•(P)	19 07 56
SJ	•P'	19 13 21
	•	13 35
Oct. 13		
EUR	•P	19 24 12
HH	•(P)	19 24 33
Oct. 13		
EUR	iP	19 31 20
HH	iP	19 31 52
RC	•P	19 30 49
TUC	•P	19 30 23
Oct. 13		
COL	•P	22 20 02
Oct. 13		
BC	•P	22 57 48
BUT	•P	22 58 03
	•L	23 01 47
EUR	iP	22 57 16
	i	57 30
	i	57 52
HH	•(P)	22 58 08
	i	58 19
RC	•P	22 59 20
TUC	•P	22 58 56
	•	59 11
	•L	23 04 15
UK	•P	22 56 05
	iP	56 06
	i	56 11
	i	56 16
	iS	56 36
	•L	56 52
Oct. 14		
HH	•(P)	00 39 57
Oct. 14		
BUT	•P	00 42 32
COL	iP	00 39 45
EUR	iP	00 42 43
HH	iP	00 42 20
TUC	•P	00 43 25

Date and Station		Phase (GCT) h m s
Oct. 14		
EUR	eP	03 22 57
Oct. 14		
COL	iP	04 11 59
EUR	eP	04 13 10
SJ	iP'	04 19 04
Oct. 14		
COL	eP	08 58 31
Oct. 14		
COL	iP	09 39 45
EUR	eP	09 43 41
	i	44 09
TUC	eP	09 44 39
Oct. 14		
COL	iP	10 53 23
EUR	iP	10 55 24
HH	iP	10 55 16
SLC	eP	10 55 36
TUC	eP	10 55 55
Oct. 14		
COL	iP'	11 21 19
	ipP'	21 30
EUR	eP'	11 20 20
HH	iP'	11 20 30
TUC	eP'	11 20 04
Oct. 14		
EUR	eP	11 30 22
Oct. 14		
BC	eP	21 17 32
	epP	17 44
BUT	eP	21 17 05
COL	iP	21 14 16
EUR	iP	21 17 17
	ipP	17 29
	i	19 09
HH	eP	21 16 51
	ipP	17 03
RC	e(P)	21 17 40
	epP	17 55
TUC	eP	21 17 58
	e	19 06
Oct. 14		
EUR	eP	23 28 43

Date and Station		Phase (GCT) h m s
Oct. 15		
COL	iP	01 23 35
EUR	eP	01 23 05
Oct. 15		
EUR	eP	04 28 28
TUC	eP	04 28 27
Oct. 15		
COL	iP	05 50 36
EUR	iP	05 54 15
RC	eP	05 54 43
Oct. 15		
BC	iP	06 02 16
COL	eP	06 07 28
EUR	iP	06 03 42
	e	05 03
HH	eP	06 04 29
TUC	eP	06 02 31
Oct. 15		
COL	eP	07 57 41
SJ	eP'	08 05 24
Oct. 15		
EUR	eP	08 15 47
Oct. 15		
EUR	e(P)	09 06 07
UK	e(P)	09 01 01
Oct. 15		
COL	eP	09 22 06
Oct. 15		
EUR	eP'	11 41 22
Oct. 15		
EUR	eP	11 46 30
Oct. 15		
EUR	eP	22 34 26
Oct. 15		
EUR	eP	22 47 20
Oct. 15		
COL	iP	23 18 57
Oct. 16		
HH	e(P)	00 41 03
Oct. 16		
HH	eP	05 12 11
Oct. 16		
COL	eP	07 20 42

Date and Station		Phase (GCT) h m s
Oct. 16		
BC	eP	10 52 23
	e	52 58
BUT	eP	10 53 06
COL	iP	10 53 08
EUR	iP	10 52 24
	i	52 38
HONO	iP	10 45 18
	iS	45 44
	iL	45 50
HH	eP	10 52 59
	e	53 13
SLC	eP	10 52 54
TUC	eP	10 52 45
Oct. 16		
COLU	e(P')	12 29 29
EUR	iP'	12 28 37
	i	29 28
HH	e(P')	12 28 32
SLC	eP'	12 28 41
Oct. 16		
EUR	iP	14 21 59
Oct. 16		
EUR	eP	16 21 22
Oct. 16		
EUR	eP	17 40 13
Oct. 17		
COL	iP	01 26 09
	ipP	27 00
	i(eP)	27 21
HH	e(P)	01 27 52
Oct. 17		
EUR	eP	03 31 57
TUC	eP	03 31 56
	e	32 06
Oct. 17		
EUR	eP	03 38 51
Oct. 17		
BC	e(P)	04 37 03
TUC	eP	04 36 17
	i	36 19
Oct. 17		
COL	eP	08 02 30
Oct. 17		
COL	eP	10 30 51

Date and Station		Phase (GCT) h m s
Oct. 17		
COL	eP	10 42 11
Oct. 18		
EUR	iP	00 55 03
Oct. 18		
COL	eP	02 13 11
Oct. 18		
COL	iP	02 39 25
	epP	39 58
Oct. 18		
COL	eP	03 39 31
SJ	eP'	03 47 18
Oct. 18		
EUR	eP	04 36 37
Oct. 18		
COL	eP	06 35 28
EUR	eP	06 38 55
Oct. 18		
BUT	eP	07 17 59
BC	eP	07 18 08
	i	18 24
EUR	iP	07 17 32
	i	17 49
	i	18 01
	iS	19 07
	iL	19 40
HH	eP	07 17 56
	eL	20 45
RC	eP	07 19 22
	e	19 28
SLC	iP	07 18 05
	i	18 30
TUC	iP	07 19 15
	e	21 18
UK	eP	07 16 31
	e	17 18
	eL	17 30
Oct. 18		
EUR	eP	09 13 48
TUC	eP	09 15 39
Oct. 18		
EUR	eP	10 26 28
Oct. 18		
COL	eP	11 13 23
Oct. 18		
COL	iP	17 38 05

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

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

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Date and Station		Phase (GCT) h m s
Oct. 23		
BC	ePP	09 00 05
	ePKKP	11 08
COL	iP	08 53 15
	ipP	53 35
	isP	53 43
	iPP	56 19
	eS	09 03 12
	eL	16 30
COLU	iP'	09 00 22
	e	00 40
	e(PP)	02 42
	eL	40 32
HONO	iP	08 53 12
	ipP	53 35
HH	eP	08 55 09
	epP	55 29
	iPP	59 17
	i	59 34
	ePKKP	09 11 14
	iPKKP	11 32
RC	e(P')	08 59 35
	ePP	09 00 22
	ePKKP	10 59
	iPKKP	11 17
SJ	eP'	09 00 57
TUC	iPP	09 00 42
	e(pPP)	01 00
	ePKKP	10 41
Oct. 23		
BC	eP	10 13 52
COL	iP	10 14 32
HH	eP	10 14 30
RC	eP	10 14 52
TUC	iP	10 13 57
Oct. 23		
COL	eP	10 43 20
HH	eP	10 45 25
Oct. 23		
HH	e(P)	11 26 27
Oct. 23		
COL	eP	14 30 30
Oct. 23		
COL	eP	18 13 14
EUR	eP	18 12 03
HH	e(P)	18 13 58
Oct. 23		
COL	eP	22 05 12

Date and Station		Phase (GCT) h m s
HH	eP	22 08 03
Oct. 24		
EUR	eP	00 09 18
Oct. 24		
EUR	eP	00 20 49
Oct. 24		
COL	eP	01 14 01
EUR	e(P)	01 14 07
	eP	16 15
	i	16 43
HH	e(P)	01 16 10
Oct. 24		
EUR	e(P)	01 26 30
Oct. 24		
EUR	e(P)	02 37 20
Oct. 24		
COL	eP	03 29 01
Oct. 24		
COL	eP	09 39 46
	i	40 19
EUR	iP	09 43 43
	i	43 51
Oct. 24		
EUR	iP	11 09 47
	i	09 58
HH	iP	11 08 59
RC	eP	11 08 30
Oct. 24		
COL	e(P)	14 21 22
Oct. 24		
BC	eP	14 49 09D
	i	50 33
	e(S)	55 28
	eL	57 08
BOZ	eP	14 49 48N,W
	iP	49 52
	ePcP	51 32
	e(S)	55 38
	eS	56 08
	iL	59 55
	iScS	15 01 00
BUT	iP	14 49 56D
	iPcP	51 43
	i(PPP)	52 21
	eS	55 59
	i	56 31
	eL	59 21
CHI	eP	14 48 22
	i	49 15
	e	49 33

Date and Station		Phase (GCT) h m s
CHI	eS	14 52 21
	e	53 01
	iL	53 47
COL	iP	14 53 07C
	i	53 10
	i(PP)	55 34
	iPP	55 44
	iPPP	57 28
	eS	15 01 56
	e(ScS)	04 26
	eL	11 32
	eP'P'	21 22
COLU	iP	14 47 19C
	iS	51 30
	iL	52 35
EUR	iP	14 49 33C
	i	54 39
	iS	55 43
	i	15 05 31
	iP'P'	24 03
HONO	eP	14 53 20C
	eS	15 02 28
	eL	13 50
HH	iP	14 50 13C
	i	50 16
	iPcP	52 05
	i(PPP)	52 33
	i	55 59
	e(S)	56 51
	e	58 41
	eP'P'	15 23 19
RC	iP	14 49 08D
	ePP	50 47
SLC	iP	14 49 19D
	iPP	50 56
	iPcP	51 53
	iS	55 07
	eL	58 04
SJ	eP	14 46 56C
	i(PP)	48 46
	iS	50 58
	e	51 08
	iL	52 52
TUC	eP	14 48 28D
	i	48 37
	ePP	49 31
	e	52 12
	eS	53 32
	e	54 04
	eL	56 57
UK	iP	14 50 17D
	ePcP	52 08
	eL	15 00 32
WASH	iP	14 48 09C
	eS	53 00
	eL	55 10

Date and Station		Phase (GCT) h m s
Oct. 24		
COL	iP	17 35 09
Oct. 24		
COL	eP	18 20 25
Oct. 24		
BH	eP	20 23 24
BC	e(P)	20 16 20
	e	17 13
EUR	eP	20 16 31
	i	19 15
TUC	iP	20 15 13
	e	15 50
Oct. 25		
BC	iP	05 28 38
	i	29 04
	iPcP	31 20
	eS	35 22
BUT	eP	05 29 25
	eL	45 01
COL	iP	05 32 36
	i	32 49
COLU	iP	05 26 48
	i	27 13
	i	27 40
	e(PcP)	30 34
	eS	31 07
	iS	31 22
	eL	32 46
EUR	iP	05 29 03
	i	29 09
	iPcP	31 28
HH	iP	05 29 43
	e(PP)	31 30
	iPcP	31 34
	i	31 46
	e(S)	35 25
RC	iP	05 28 39
SLC	iP	05 28 49
	i	28 55
SJ	eP	05 26 24
	eS	30 25
	eL	31 50
TUC	eP	05 27 56
	i	28 06
	ePP	29 10
	eS	33 04
	eL	39 18
UK	eP	05 29 46
	ePcP	31 44
Oct. 25		
COL	eP	09 28 01

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Date and Station		Phase	(GCT) h m s
COL		eS	09 31 01
Oct. 25			
EUR		iP	09 59 34
Oct. 25			
COLU		iP	10 19 09
EUR		iP	10 22 54
HH		iP	10 23 13
Oct. 25			
EUR		eP	11 13 37
		e	14 12
Oct. 25			
HH		eP	12 05 50
Oct. 25			
EUR		eP	14 29 42
TUC		eP	14 29 18
		eL	30 10
Oct. 25			
EUR		iP	16 06 58
		e	07 13
Oct. 25			
EUR		eP	18 56 54
HH		eP	18 56 22
Oct. 25			
BC		eP	19 16 04
COL		iP	19 16 40
EUR		iP	19 16 11
		i	16 38
TUC		eP	19 16 10
Oct. 25			
TUC		eP	19 38 03
Oct. 25			
SJ		iP	20 09 01
		iS	09 16
		iL	09 25
Felt: St. Thomas, V.I.			
Oct. 25			
COL		iP	21 48 35
Oct. 26			
COL		eP	02 53 55
Oct. 26			
BC		iP	02 59 37
		i	59 44
		i	03 00 24
COL		iP	02 59 44
EUR		iP	02 59 40
		i	59 59
HH		eP	03 00 03
SLC		iP	02 59 56
TUC		eP	02 59 44
UK		eP	02 59 15
Oct. 26			
HH		eP	07 31 19
Oct. 26			
COL		iP	09 07 40
		ipP	08 28
EUR		eP'	09 13 08
		ipPP	14 36
		ePKKP	23 59
		iPKKP	24 12
HONO		e(P)	09 07 05
HH		eP'	09 13 06
		epP	13 54
		epPP	14 30
RC		e(P')	09 14 05
		epPP	15 32
SJ		epP'	09 15 11
Oct. 26			
BC		iP	09 08 19
		ipP	09 47
COL		iP	09 08 48
		epP	10 14
EUR		iP	09 08 24
HONO		eP	09 04 26
HH		eP	09 08 53
		epP	10 19
		ePP	12 25
Oct. 26			
HH		eP	13 17 43
		i	17 55
		i	18 18
		i(S)	18 27
		iL	18 47
Oct. 26			
HH		e(P)	13 25 49
		e	26 25
		i(S)	26 33
		iL	26 50
Oct. 26			
EUR		eP	15 29 23
		i	29 30
Oct. 26			
EUR		e(P)	15 52 06
Oct. 26			
SJ		iP	17 02 25
		iS	02 38
SJ		iL	17 02 44
Oct. 26			
EUR		e(P)	20 00 15
		e	00 48
Oct. 26			
COL		eP	20 41 01
Oct. 26			
COL		iP	21 52 51
EUR		eP	21 53 53
Oct. 26			
TUC		eP	22 45 44
Oct. 26			
BC		iP	23 03 23
		i	03 54
BUT		e(P)	23 03 54
		eL	29 23
COL		eP	23 03 01
		iP	03 05
COLU		e(SKS)	23 16 49
		e(PS)	19 54
		ePS	20 04
		eL	43 03
EUR		iP	23 03 23
		i	03 33
		i	03 53
		e(PKKP)	21 02
		eP'P'	29 05
		eSKPP	32 39
HH		eP	23 03 42
		e(PP)	07 00
		e(PKKP)	20 45
		eP'P'	29 02
SJ		eP	23 09 34
		i	10 02
		ePKS	12 56
SIT		eP	23 03 06
		eS	13 14
		e	13 27
		ePPS	14 40
		e(SSS)	23 42
		eL	26 04
TUC		iP	23 03 34
		ePP	07 16
		eL	31 32
UK		eP	23 02 54
		eL	28 34
WASH		iPP	23 10 49
		eL	41 15
Oct. 26			
TUC		eP	23 55 46
Oct. 27			
COL		eP	00 11 32
Oct. 27			
COL		iP	00 43 41
EUR		eP	00 43 06
		i	43 08
HH		e(P)	00 43 47
TUC		eP	00 43 06
Oct. 27			
COL		eP	00 55 55
		iP	56 01
EUR		eP	00 58 48
		i	58 55
HH		iP	00 58 13
		i	58 20
Oct. 27			
EUR		e(P)	07 03 20
Oct. 27			
EUR		eP	08 00 20
Oct. 27			
EUR		eP	10 54 48
Oct. 27			
COL		iP	13 43 47
EUR		iP	13 42 29
		e	43 05
Oct. 27			
BH		eP	15 34 53
COL		iP	15 43 47
COLU		eP	15 38 00
		eS	42 20
		eL	45 28
EUR		eP	15 40 14
		i	40 22
HH		eP	15 40 53
		iPcP	42 43
PHIL		eP	15 39 12
		eS	44 30
		eL	50 00
RC		eP	15 39 49
		epP	40 32
SJ		eP	15 37 35
		ipP	38 03
TUC		eP	15 39 09
		eL	51 52
WASH		eP	15 38 42
		eL	49 54

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Date and Station		Phase (GCT)
		h m s
Oct. 27		
EUR	iP	17 31 34
Oct. 27		
TUC	eP	17 39 46
	e	40 21
Oct. 27		
EUR	e(P)	22 15 56
Oct. 27		
EUR	eP	23 05 02
	eS	06 05
	eL	06 15
Oct. 28		
EUR	iP	03 07 40
HH	eP	03 08 07
TUC	iP	03 07 39
Oct. 28		
COL	iP	03 19 35
	i	20 11
EUR	iP	03 20 37
Oct. 28		
BC	eP	03 41(47)
BOZ	eS	03 53 09
	e(PS)	55 33
	eL	04 14 29
BUT	eP	03 42 36
	ePP	46 59
	eSKS	52 59
	eS	54 01
	eL	04 22 05
COL	iP	03 42 30C
	i	42 53
COLU	ePP	03 48 36
	eSKS	54 01
	eSKKS	55 10
	ePS	57 55
	eSS	04 04 05
	eL	16 12
EUR	iP	03 41 54C
	e	42 14
HONO	iP	03 38 32D
HH	eP	03 42 30C
	ePP	46 28
	iPP	46 53
	eS	52 59
	ePKKP	58 44
	eP'P'	04 07 03
	eL	09 44
PHIL	ePP	03 49 18
	eSKKS	55 49
	eSS	04 05 45
	eL	17 05

Date and Station		Phase (GCT)
		h m s
RC	eP	03 42 47
	e	43 04
	ePP	47 24
	eSKS	53 19
	ePS	56 01
SIT	ePP	03 46 03
	eSKS	52 48
	eSKKS	53 17
	eS	53 37
	iS	53 39
	i(PS)	54 05
	e(PPS)	55 00
	e	56 11
	eSS	04 00 16
	eL	08 24
TUC	eP	03 41 47C
	i	41 48
	i	42 12
	ePP	46 02
	e	46 16
	eSKS	52 18
	eS	52 50
	eL	04 08 18
UK	eP	03 41 35D
WASH	iPP	03 48 43
	i	49 09
	e	49 51
Oct. 28		
EUR	eP	03 58 47
	i	59 06
	i	59 42
COL	eP	03 52 07
RC	eP	03 58 33
	eL	04 16 27
TUC	iP	03 59 10
Oct. 28		
EUR	eP	04 07 02
Oct. 28		
SJ	eP	05 04 49
Oct. 28		
EUR	i(P)	05 36 28
TUC	e(P)	05 36 25
Oct. 28		
BC	eP	06 54 45
COL	iP	06 55 25
EUR	eP	06 54 50
	i	54 52
HH	eP	06 55 23
TUC	iP	06 54 50
Oct. 28		
COL	iP	10 57 01

Date and Station		Phase (GCT)
		h m s
COL	i	10 57 12
EUR	eP	10 59 21
	e	11 00 10
	e	02 49
HH	eP	10 59 01
	e	11 02 39
	ePP	03 32
	ePKKP	15 17
RC	ePP	11 04 26
Oct. 28		
EUR	iP	11 15 24
	i	15 29
Oct. 28		
COL	iP	11 30 55
Oct. 28		
COL	iP	11 44 51
EUR	iP	11 44 21
HH	eP	11 44 52
Oct. 28		
EUR	eP	13 39 44
HH	eP	13 39 24
Oct. 28		
COL	iP	13 51 43
Oct. 28		
EUR	eP	14 41 41
	i	41 51
	i	42 42
Oct. 28		
COL	iP	18 31 16
EUR	iP	18 32 14
Oct. 29		
COL	eP	00 10 26
Oct. 29		
BC	eP	00 16 15
	i	18 15
EUR	eP	00 17 08
TUC	eP	00 15 43
	i	15 52
	eL	16 48
Oct. 29		
COL	iP	02 33 16
EUR	iP	02 34 18
Oct. 29		
EUR	e(P)	03 01 29
Oct. 29		
BC	eP	03 11 14
	iL	13 27

Date and Station		Phase (GCT)
		h m s
EUR	eP	03 12 03
	eS	14 16
	eL	14 32
TUC	eP	03 10 40
	i	10 48
	eL	11 36
Oct. 29		
EUR	eP	05 40 59
RC	eP	05 40 42
Oct. 29		
EUR	iP	07 27 11
Oct. 29		
COL	eP	07 47 10
RC	eP	07 47 53
Oct. 29		
COL	iP	09 21 18
RC	eP	09 15 39
Oct. 29		
EUR	eP	12 18 56
Oct. 29		
COL	iP	13 56 34
EUR	eP	13 58 19
Oct. 29		
BC	iP	15 51 51
	ipP	52 13
COLU	eP	15 50 04
EUR	iP	15 52 13
	ipP	52 35
HH	iP	15 52 49
	ipP	53 11
	i	53 20
	i	53 42
RC	eP	15 51 56
	epP	52 17
SLC	iP	15 52 04
	ipP	52 24
SJ	eP	15 48 04
	ipP	48 22
	i	48 34
TUC	iP	15 51 16
	epP	51 32
Oct. 29		
EUR	eP	16 21 36
HH	eP	16 21 32
RC	eP	16 21 52

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

Local and Minor Earthquakes		Local and Minor Earthquakes	
day	hour	day	hour
BUT		SLC	
Oct.		Oct.	
26	13.3	3	08.2
	13.4	4	08.6
		11	13.6
COL			
Oct.		SJ	
3	11.0	Oct.	
4	10.3	7	00.8
	15.0	11	22.7
	16.5	15	16.4
	16.7		23.8
6	00.4	17	13.3
	01.4	19	01.7
	05.4	20	16.1
	14.7	21	15.2
	16.8	23	06.4
	21.7		
8	05.0	TUC	
	08.0	Oct.	
10	03.9	3	03.2
	10.2		04.7
	16.4	4	07.0
11	11.0		07.1
12	10.3		07.9
	10.4	6	02.2
14	16.1		06.2
21	03.6	7	00.8
	09.0	10	02.2
	09.3		08.9
	12.6	12	02.6
24	11.4		03.9
26	07.4		05.9
27	05.4	14	03.2
	16.0		04.8
29	07.2		06.5
	17.1		20.1
	06.4	16	08.0
30	01.3	17	10.8
	15.6	20	07.2
31	01.9	25	00.3
			00.5
EUR			00.6
Oct.			01.0
2	11.4		01.2
4	20.1		01.9
7	02.6		02.3
	09.9		22.4
10	12.9		22.9
	20.1	29	00.4
17	20.5		03.8
	22.8		20.1
	23.6	30	05.3
18	22.2		10.7
	22.3		
	22.4	UK	
	22.6	Oct.	
20	00.5	6	12.5
	07.2	7	02.6
25	00.0	8	14.2
		11	19.6
HONO			21.3
Oct.		15	09.1
2	21.6		11.8
16	21.6		17.8
17	21.2		23.8
24	03.2	16	13.6
26	23.2	25	01.8
	23.5		