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SEISMOLOGICAL BULLETIN

February, 1958

MSI - 206

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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
*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
Kipapa, T. H. (KIP)
*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. Beginning January 1, 1958 the data from the horizontal components of the seismographs at all stations except College, Honolulu and Tucson will not be published for earthquakes occurring outside the United States. The horizontal instruments will continue in operation and the seismograms for the local and regional earthquakes will be scaled and the data published.
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. 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, which may be obtained on loan by addressing the Seismograph Station Director, Meteorological and Hydrographic Office, Panama Canal Company, Balboa Heights, Canal Zone.

Date 1958	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Feb.	h m s	°	°	
1	02 42 07*	60½ N.	140½ W.	Southern Alaska
1	16 10 15*	2 N.	79 W.	Near coast of Ecuador. Felt at Esmeraldas. Mag. 6-3/4 - 7.
1	18 02 39*	2 N.	79 W.	Do.
1	20 45 45*	1½ N.	79 W.	Ecuador aftershock. Mag. 6-3/4.
1	22 00 15*	7 S.	156 E.	Solomon Islands.
2	02 34 59*	1½ N.	79½ W.	Ecuador aftershock.
2	03 15 10**			Near coast of Guerrero, Mexico.
2	08 11 53*	48½ N.	154½ E.	Kurile Islands. Mag. 6-1/2 - 6-3/4.
2	08 16 20*	2 N.	80 W.	Ecuador aftershock.
2	08 49 13*	2 N.	79 W.	Do.
2	20 53 08*	27½ N.	127 E.	Ryukyu Islands region. h about 200 km.
3	08 25 19*	21 S.	174 W.	Tonga Islands..
3	14 02 16*	7 N.	77½ W.	Panama-Colombia border.
3	19 27 12*	32½ N.	56 E.	Central Iran.
4	00 02 16*	6½ S.	155 E.	Solomon Islands. Felt at Karoola.
4	02 16 00*	6 S.	131½ E.	Banda Sea.
4	08 06 25*	58 N.	52 W.	Off south coast of Greenland.
4	12 40 27*	7 S.	156 E.	Solomon Islands.
4	19 45 27*	54 N.	164 W.	Unimak Island.
4	23 37 50**			Near east coast of Honshu, Japan.
5	03 15 17*	40½ N.	53 E.	Turkmen S. S. R.
5	08 08 10*	47 N.	153 E.	Kurile Islands.
5	15 46 25*	52½ N.	170½ W.	Fox Islands, Aleutian Islands.
6	01 42 09*	24½ N.	122½ E.	Near northeast coast of Formosa.
6	16 00 12*	27½ S.	178 W.	Kermadec Islands region. h about 250 km.
7	00 32 25*	3½ N.	96½ E.	Near northeast coast of Sumatra.
7	01 10 31*	31 S.	179 W.	Kermadec Islands.
7	04 37 33*	55 N.	167 E.	Komandorskie Islands.
7	06 59 53*	27½ N.	128½ E.	Ryukyu Islands.
7	23 23 30*	31½ N.	104 E.	Szechwan Province, China.
9	04 15 05*	8 N.	79½ W.	South of Panama. Felt at Balboa Heights.
9	09 31 03*	25 N.	90½ E.	East Pakistan-India border. Felt at Mymensingh, East Pakistan and Sylhet, India.
9	22 29 23*	12½ N.	121 E.	Mindoro, Philippine Islands.
10	14 42 30*	26 N.	142½ E.	Volcano Islands.
11	00 46 02*	9 S.	107½ E.	Off south coast of Java.
11	11 38 14*	15 N.	119½ E.	Near west coast of Luzon, Philippine Islands. Felt at Iba. h about 100 km.
11	12 46 20**			Near coast of Guatemala.

Date 1958	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Feb.	h m s	°	°	
11	20 00 09*	1 S.	121½ E.	Celebes.
12	02 34 14*	13½ N.	144 E.	Mariana Islands. Felt at Guam. h about 150 km.
12	06 34 59*	5½ S.	151 E.	New Britain. Felt at Rabaul. h about 60 km.
12	07 21 37*	5½ S.	151½ E.	New Britain. Felt at Rabaul. h about 60 km.
12	18 17 09*	6½ N.	95½ E.	Nicobar Islands region.
12	23 31 21*	43½ N.	145½ E.	Near east coast of Hokkaido, Japan.
12	23 43 45*	52 N.	175 W.	Andreanof Islands, Aleutian Islands. Mag. 6.
13	00 11 36*	27½ N.	92 E.	Northern Assam.
13	04 18 19*	50 N.	178 W.	Andreanof Islands, Aleutian Islands.
13	09 31 46*	43 N.	136 E.	Sea of Japan, near coast of Siberia.
13	22 52 00*	40½ N.	111½ W.	North-central Utah.
15	01 46 40*	44 N.	147 E.	Kurile Islands. Mag. 6 - 6-1/4.
16	06 04 05*	39 N.	142 E.	Near coast of Honshu, Japan. Mag. 6 - 6-1/4.
16	07 42 11*	17 N.	146 E.	Mariana Islands. h about 200 km.
16	09 44 55*	45 N.	113 W.	Montana-Idaho border region.
16	23 01 59*	67½ N.	19 W.	Off north coast of Iceland.
16	23 54 45*	6 S.	155 E.	Solomon Islands.
17	02 25 46*	52 N.	159½ E.	Near east coast of Kamchatka.
17	05 18 35*	35½ N.	70 E.	Hindu Kush. Felt in northern Afghanistan and Tadzhik S. S. R. h about 200 km.
18	07 34 07*	21 S.	173½ W.	Tonga Islands.
18	13 21 20*	31 S.	178½ W.	Kermadec Islands.
18	18 52 41*	20½ N.	120½ E.	Batan Islands region.
18	19 08 05*	21 N.	120 E.	Do.
18	19 48 43*	20½ N.	120½ E.	Do.
18	20 08 44*	3 S.	147½ E.	Bismarck Sea.
19	01 20 20*	37½ S.	111 W.	South Pacific Ocean.
19	03 39 57*	39½ N.	75 E.	Western Sinkiang Province, China.
19	10 32 58*	39½ N.	75½ E.	Do.
19	19 25 21*	8 S.	108 E.	Near south coast of Java. Moderate damage in Priangan.
20	03 57 42*	20½ N.	120½ E.	Batan Islands aftershock.
20	04 05 07*	20½ N.	120 E.	Do.
20	04 38 34*	20½ N.	120½ E.	Do.
20	09 04 44*	21 N.	120 E.	Do.
21	03 18 25*	16 S.	74½ W.	Off coast of Peru.
21	11 52 50*	36 N.	140½ E.	Near east coast of Honshu, Japan. Felt at Tokyo. h about 100 km.
21	13 47 10*	1½ N.	80 W.	Off coast of Ecuador.
22	08 11 50*	6 S.	147 E.	Near north coast of New Guinea. h about 200 km.
22	10 50 23*	50½ N.	175 W.	Andreanof Islands, Aleutian Islands. Mag. 6-3/4.

Date 1958	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Feb.	h m s	°	°	
22	13 21 48*	50½ N.	175 W.	Andreanof Islands, Aleutian Islands.
22	17 05 00*	51½ N.	174½ W.	Andreanof Islands, Aleutian Islands.
23	00 24 34*	6 S.	153 E.	New Britain-Solomon Islands region. Felt at Ulamona.
23	01 22 49*	52 N.	175 W.	Andreanof Islands, Aleutian Islands.
23	08 14 48*	27½ S.	63 W.	Santiago del Estero Province, Argentina. h about 600 km.
23	09 12 20*	28½ N.	139½ E.	Bonin Islands region. h about 400 km.
23	10 06 23*	20½ N.	120½ E.	Batan Islands aftershock.
23	10 47 40*	24 N.	141½ E.	Volcano Islands.
23	14 15 10*	34½ N.	137½ E.	Near south coast of Honshu, Japan.
24	07 58 59*	51½ N.	173 W.	Andreanof Islands, Aleutian Islands.
24	12 27 06*	45 N.	99 E.	Outer Mongolia.
24	21 25 25*	15½ S.	172½ W.	Tonga Islands region.
25	01 56 40*	51½ N.	179½ E.	Rat Islands, Aleutian Islands.
25	07 27 13*	52½ N.	170½ W.	Fox Islands, Aleutian Islands.
25	14 56 20*			Northern Sumatra.
25	15 02 08*	6 S.	151½ E.	New Britain.
26	00 17 56*	3 S.	152½ E.	New Ireland. h about 300 km.
26	11 35 29*	31½ N.	141½ E.	South of Honshu, Japan.
26	16 50 46*	50 N.	155½ E.	Kurile Islands.
26	17 18 56*	41 N.	143½ E.	Off south coast of Hokkaido, Japan.
27	23 27 49*	21 N.	120 E.	Batan Islands aftershock.
28	09 54 53*	27 N.	44 W.	Mid-Atlantic Ocean.
28	16 41 57*	11 N.	122½ E.	Panay, Philippine Islands.

Date and Station		Phase (GCT) h m s
Feb. 1		
COL	iP	00 21 52
EUR	iP	00 25 41
RC	eP	00 26 10
TUC	eP	00 26 40
Feb. 1		
HH	iP	00 32 57
Feb. 1		
COL	eP	02 43 32
	eS	44 50
	eL	45 00
EUR	eP	02 47 45
HH	eP	02 46 38
RC	eP	02 48 20
SIT	eP	02 43 12
	i	43 24
	eS	44 04
	eL	44 25
Feb. 1		
EUR	eP	05 51 54
HH	e(P)	05 51 23
Feb. 1		
HH	iP	09 27 09
	i	28 01
Feb. 1		
RC	e(P)	10 14 57
Feb. 1		
RC	e(P)	11 34 45
	e	35 39
	e	39 21
Feb. 1		
EUR	iP	13 40 40
HH	iP	13 40 50
SJ	iP	13 33 18
	eS	33 40
	eL	33 44
TUC	eP	13 39 55
Feb. 1		
BH	iP	16 11 55C
BOZ	eP	16 19 29C
BUT	eP	16 19 31C
COL	iP	16 2[illegible] [illegible]
	i	22 56
	iS	32 21
	eS	37 48
	eL	4[illegible] 14
COLU	iP	16 16 44C
EUR	iP	16 19 14C
HONO	e(P)	16 22 26

Date and Station		Phase (GCT) h m s
HH	iP	16 19 49C
	i	20 13
	i	20 37
	ePKKP	38 18
	eP'P'	49 56
KIP	e(P)	16 22 19
	eP	22 23
RC	iP	16 18 49C
	e	25 46
	e	29 15
	eL	38 27
SLC	eP	16 19 03D
SJ	iP	16 15 02N,E
SIT	eP	16 21 34
TUC	eP	16 18 12D
	e	19 35
	i(ScP)	23 11
	iS	24 35
	eL	28 01
UK	eP	16 19 48D
WASH	iP	16 17 25C
	e(S)	24 13
	i	25 55
	eL	29 37
Feb. 1		
BH	iP	18 04 23C
BC	eP	18 11 18D
BOZ	iP	18 11 51C
BUT	eP	18 11 58
COL	iP	18 14 47C
COLU	iP	18 09 10C
EUR	iP	18 11 39
	eP'P'	42 17
HH	iP	18 12 15C
	eP'P'	42 29
KIP	eP	18 14 54
SLC	eP	18 11 26C
SJ	iP	18 07 28N,E
SIT	eP	18 13 59C
TUC	iP	18 10 39C
	ePcP	13 36
	iS	17 03
	eL	20 25
UK	e(P)	18 12 22
Feb. 1		
COL	eP	19 43 45

Date and Station		Phase (GCT) h m s
HH	e(P)	19 45 37
Feb. 1		
HH	e(P)	20 42 36
Feb. 1		
BH	iP	20 47 27C
BC	eP	20 54 24C
BOZ	iP	20 54 59D
	i	55 07
BUT	eP	20 55 05C
COL	iP	20 57 54C
	iS	21 07 52
	eL	19 52
COLU	iP	20 52 17C
EUR	iP	20 54 47C
HH	iP	20 55 22C
	i	55 31
	i	55 48
	iPP	57 36
	eP'P'	21 25 36
SLC	eP	20 54 34C
SJ	iP	20 50 33N,E
	eS	54 37
SIT	eP	20 57 05C
	i	57 13
TUC	iP	20 53 46D
	ePcP	55 37
	ePPP	56 17
	eS	21 00 29
	eL	03 39
UK	e(P)	20 55 17
	e	55 26
Feb. 1		
HH	e(P)	21 16 24
Feb. 1		
HH	eP	21 56 44
Feb. 1		
COL	iP	22 12 44
EUR	iP	22 13 36
HH	e(P)	22 13 49
Feb. 2		
BC	eP	01 23 44
EUR	iP	01 24 17
HH	eP	01 25 19
TUC	eP	01 22 49
	eL	37 55

Date and Station		Phase (GCT) h m s
Feb. 2		
BC	eP	02 43 39
HH	iP	02 44 36
	e	44 57
SLC	eP	02 43 48
SJ	eP	02 39 47
TUC	eP	02 43 00
	e	43 16
Feb. 2		
BC	eP	03 20 14
EUR	iP	03 20 46
HH	iP	03 21 48
	i	22 05
	e(PcP)	23 44
TUC	eP	03 19 19
	eS	22 01
	eL	24 23
Feb. 2		
BC	eP	03 31 44
EUR	iP	03 32 16
HH	eP	03 33 17
TUC	eP	03 30 48
	eL	35 55
Feb. 2		
HH	eP	04 34 20
TUC	eP	04 32 19
Feb. 2		
EUR	eP	04 40 01
HH	e(P)	04 41 02
Feb. 2		
BC	eP	04 44 04
COL	eP	04 48 49
EUR	iP	04 44 36
HH	iP	04 45 38
	i	45 55
	i	48 23
SLC	eP	04 44 30
SJ	eP	04 41 25
TUC	eP	04 43 09
	eL	48 12
Feb. 2		
BC	iP	08 22 34D
	i	22 47
BOZ	eP	08 22 08D
	i	22 20
BUT	eP	18 21 58C
	e	22 12

Date and Station		Phase (GCT)
		h m s
COL	iP	08 18 43C
	iS	24 09
	eL	27 19
COLU	iP	08 24 28
EUR	iP	08 22 14C
HH	iP	08 21 43
	ipP	21 56
	ePP	23 49
	eP'P'	51 19
KIP	iP	08 20 22C
	i	20 34
	eT	09 09 32
	iT	09 40
RC	iP	08 22 41D
	i	22 54
	e	31 25
	eP'P'	51 25
SLC	eP	08 22 24D
	e	22 36
SIT	iP	08 19 45
	i	19 58
	ePcP	21 11
	ePPP	21 35
TUC	iP	08 23 06D
	i	23 18
	e	24 22
	eP'P'	51 09
Feb. 2		
BH	iP	08 18 06
	iS	20 14
COL	eP	08 28 39
HH	e(P)	08 26 03
SJ	eP	08 21 13
Feb. 2		
BH	iP	08 51 00
	iS	53 10
BC	eP	08 57 54
BOZ	eP	08 58 30
BUT	eP	08 58 34
COL	iP	09 01 24
COLU	iP	08 55 47
EUR	iP	08 58 16
HH	iP	08 58 52
	i	58 59
RC	iP	08 57 53
SLC	eP	08 58 04

Date and Station		Phase (GCT)
		h m s
SJ	iP	08 54 02
	e	54 25
TUC	eP	08 57 15
	e(PcP)	59 24
Feb. 2		
HH	eP	12 07 12
RC	eP	12 06 11
TUC	eP	12 05 08
	e	05 24
Feb. 2		
BOZ	eP	16 04 42
	e	04 59
HH	eP	16 05 07
	i(S)	05 52
	iL	06 03
Feb. 2		
BC	e(P)	17 06 17
EUR	eP	17 08 44
HH	e(P)	17 07 01
TUC	eP	17 03 25
	e	03 41
	e	03 55
	eL	04 37
Feb. 2		
HH	eP	20 46 34
TUC	eP	20 44 30
	e	44 42
Feb. 2		
COL	iP	21 03 19
HH	iP	21 05 34
	e	06 10
Feb. 2		
HH	i(P)	22 48 55
Feb. 3		
COL	eP	07 41 37
Feb. 3		
BC	eP	08 38 32
COL	iP	08 38 12
EUR	iP	08 35 38
HH	eP	08 38 10
TUC	eP	08 37 36
Feb. 3		
COL	eP	08 55 10
HH	iP	08 58 07
RC	eP	08 59 16

Date and Station		Phase (GCT)
		h m s
TUC	e(P)	08 59 37
Feb. 3		
TUC	eP	09 48 07
Feb. 3		
COL	eP	10 48 45
	eS	50 01
	eL	50 11
Feb. 3		
COL	eP	11 34 08
Feb. 3		
COL	eP	12 24 53
RC	eP	12 22 31
Feb. 3		
BH	iP	14 02 59
	iS	03 35
BOZ	eP	14 11 03
BUT	eP	14 11 08
COL	eP	14 14 01
COLU	e(P)	14 08 12
EUR	iP	14 10 54
HH	iP	14 11 25
	e	12 39
RC	iP	14 10 20
	e	12 11
SLC	eP	14 10 39
SJ	eP	14 05 50
TUC	iP	14 09 55
Feb. 3		
COL	eP	19 39 31
Feb. 3		
HH	iP	20 43 30
Feb. 3		
HH	eP	22 47 17
Feb. 4		
COL	iP	00 14 40
EUR	eP	00 15 38
Feb. 4		
HH	iP	01 28 01
Feb. 4		
COL	iP	08 12 38
Feb. 4		
COL	iP	08 14 28
	iPcP	16 21
EUR	iP	08 14 46

Date and Station		Phase (GCT)
		h m s
HH	iP	08 13 47
	e	15 35
	iPcP	16 07
SLC	eP	08 14 20
TUC	eP	08 15 08
Feb. 4		
COL	iP	08 57 51
Feb. 4		
HH	e(P)	10 05 03
Feb. 4		
HH	eP	10 07 26
	e	07 34
Feb. 4		
HH	eP	10 50 47
	e	51 13
Feb. 4		
COL	iP	12 14 21
	i	18 45
EUR	eP	12 16 57
HH	e(P)	12 17 23
TUC	e(P)	12 19 03
Feb. 4		
HH	iP	12 42 42
Feb. 4		
COL	iP	12 52 56
EUR	eP	12 53 47
HH	e(P)	12 53 57
Feb. 4		
COL	iP	15 18 19
	i	18 34
EUR	iP	15 21 51
HH	iP	15 21 14
Feb. 4		
COL	eP	17 33 40
Feb. 4		
COL	iP	18 30 34
EUR	eP	18 32 58
HH	iP	18 33 28
Feb. 4		
EUR	eP	19 34 23
	eL	35 23
Feb. 4		
BC	eP	19 53 03

Date and Station		Phase	(GCT) h m s
COL		iP	19 48 42
		i	48 51
		iS	52 52
		eL	53 36
EUR		iP	19 52 22
		i	52 34
KIP		eT	20 25 53
		iT	26 22
HH		eP	19 51 48
		iPcP	54 42
		eL	58 23
SIT		eP	19 49 35
HH		i(P)	20 49 31
Feb. 4			
BC		e(P)	21 01 25
BOZ		eP	21 01 19
		e	01 45
EUR		eP	20 58 51
		iS	59 24
		iL	59 29
HH		e(P)	21 01 53
		e	02 10
		e(S)	03 22
		eL	03 45
SLC		eP	21 00 13
Feb. 4			
COL		eP	21 06 17
		iP	06 20
		i	06 37
HH		eP	21 09 11
Feb. 4			
COL		eP	21 54 26
EUR		eP	21 49 19
HH		eP	21 51 16
TUC		eP	21 49 03
Feb. 4			
COL		eP	23 46 33
EUR		eP	23 48 33
HH		eP	23 49 10
Feb. 5			
COL		iP	00 07(10)
		eS	11(12)
		eL	11(37)
EUR		eP	00 09 41
Feb. 5			
HH		e(P)	01 37 28
Feb. 5			
EUR		iP	02 50 58
Feb. 5			
COL		iP	03 20 02
Feb. 5			
COL		iP	03 26 54
HH		iP	03 28 23
Feb. 5			
COL		iP	04 03 57
EUR		iP	04 02 13
TUC		eP	04 04 22
Feb. 5			
COL		iP	04 44 01
		iPcP	44 11
EUR		iP	04 43 30
HH		eP	04 44 45
Feb. 5			
BC		eP	08 19 00
BOZ		eP	08 18 35
		i	18 46
BUT		eP	08 18 27
COL		iP	08 15 15
		eS	20 42
		eL	23 40
EUR		iP	08 17 43
HH		eP	08 18 10
RC		iP	08 19 07
		i	19 18
SLC		eP	08 18 54
SIT		eP	08 16 20
TUC		eP	08 19 32
Feb. 5			
HH		iP	11 39 35
Feb. 5			
HH		e(P)	13 25 38
Feb. 5			
COL		eP	14 07 55
Feb. 5			
COL		eP	15 50 31
EUR		eP	15 53 54
HH		e(P)	15 53 21
		e	55 51
RC		eP	15 54 50
TUC		eP	15 55 02
Feb. 5			
COL		eP	15 56 38
Feb. 5			
COL		eP	16 45 33
		i	45 38
		e(S)	50 06
		eL	50 54
EUR		eP	16 49 08
HH		e(P)	16 51 25
Feb. 5			
COL		iP	16 53 16
Feb. 5			
BOZ		eP	17 16 31
Feb. 5			
EUR		eP	19 10 37
Feb. 5			
EUR		eP	20 20 35
HH		e(P)	20 21 37
RC		eP	20 21 12
Feb. 5			
HH		iP	20 36 31
Feb. 5			
EUR		iP	20 56 38
HH		iP	20 57 22
RC		eP	20 57 06
TUC		eP	20 55 54
Feb. 5			
BH		eP	21 04 49
		eS	08 05
Feb. 5			
HONO		eP	22 07 08
Feb. 5			
RC		eP	23 39 04
Feb. 6			
COL		eP	00 05 12
		iP	05 14
		iS	06 03
		iL	06 10
HH		eP	00 09 18
		i	09 28
Feb. 6			
EUR		eP	00 32 10
		eL	33 15
Feb. 6			
EUR		eP	00 58 12
Feb. 6			
COL		iP	01 53 10
EUR		iP	01 55 40
HH		iP	01 55 19
SIT		eP	01 53 59
Feb. 6			
COL		eP	02 48 28
		i	48 38
EUR		eP	02 51 56
HH		eP	02 51 24
RC		eP	02 52 36
TUC		eP	02 53 02
Feb. 6			
HH		eP	03 10 34
Feb. 6			
BC		iP	11 16 36
		i	16 55
		i	17 43
EUR		iP	11 17 24
		eS	18 59
		eL	19 15
HH		e(P)	11 19 25
TUC		eP	11 16 42
		e	16 51
		e	16 58
Feb. 6			
HH		e(P)	11 24 00
Feb. 6			
COL		iP	11 37 00
EUR		eP	11 40 33
TUC		e(P)	11 41 39
Feb. 6			
BC		eP	16 12 33
		e	13 33
COL		iP	16 13 10
		epP	14 10
EUR		iP	16 12 40
		ipP	13 38
HH		e(P)	16 13 09
		e	14 15
TUC		iP	16 12 36
		ipP	13 37
Feb. 6			
EUR		eP	16 31 10
Feb. 6			
BOZ		eP	16 47 18

Date and Station		Phase (GCT)
Feb. 6		h m s
COL	iP	17 50 35
	iS	51 42
	iL	51 52
Feb. 6		
RC	e(P)	17 56 42
Feb. 6		
HH	eP	19 32 48
Feb. 6		
HH	iP	20 49 56
Feb. 6		
HH	e(P)	22 10 15
Feb. 6		
COL	eP	22 26 12
EUR	eP	22 28 43
HH	eP	22 28 32
Feb. 6		
COL	iP	23 17 01
EUR	eP	23 20 35
HH	iP	23 20 02
Feb. 7		
TUC	eP'	00 51 53
	i	52 20
BC	eP'	00 51 42
COL	e(P)	00 46 08
	iPP	50 01
	ePPP	52 00
EUR	iP'	00 51 20
	i	51 36
HH	i(P)	00 50 47
	eP'	51 23
	e	52 55
RC	eP'	00 51 38
	e	52 29
Feb. 7		
BC	eP	01 23 36
COL	iP	01 24 13
	ePP	28 21
EUR	iP	01 23 42
HONO	eP	01 20 16
	ePcP	21 12
HH	eP	01 24 12
TUC	iP	01 23 38
	e	24 34
Feb. 7		
COL	iP	01 45 12

Date and Station		Phase (GCT)
		h m s
EUR	iP	01 48 42
HH	e(P)	01 48 11
RC	eP	01 49 03
Feb. 7		
BC	eP	02 22 23
EUR	eP	02 23 11
	eL	25 24
TUC	e(P)	04 03 08
Feb. 7		
COL	eP	04 45 13
	iS	46 19
	iL	46 27
Feb. 7		
BC	eP	04 47 08
COL	iP	04 42 50
	eS	47 00
	eL	50 00
EUR	iP	04 46 44
	iPcP	47 25
HH	eP	04 46 06
RC	eP	04 47 17
TUC	eP	04 47 43
Feb. 7		
BC	eP	07 13 14
BUT	eP	07 12 58
COL	iP	07 10 25
EUR	iP	07 13 00
HH	iP	07 12 41
RC	eP	07 13 42
Feb. 7		
COL	iP	07 36 38
EUR	eP	07 39 56
HH	e(P)	07 39 29
Feb. 7		
HH	e(P)	07 47 28
Feb. 7		
COL	eP	10 06 30
Feb. 7		
COL	iP	14 46 39
	i	46 47
	eS	48 03
	iS	48 14
Feb. 7		
COL	iP	16 06 00

Date and Station		Phase (GCT)
Feb. 7		h m s
EUR	eP	16 08 58
Feb. 7		
COL	eP	16 42 25
	iS	43 42
	iL	43 52
EUR	eP	16 49 12
Feb. 7		
HH	e(P)	17 07 43
Feb. 7		
COL	eP	18 11 08
	iS	12 43
	eL	12 54
Feb. 7		
COL	eP	19 46 31
Feb. 7		
COL	eP	21 47 07
HH	eP	21 49 31
Feb. 7		
BC	eP	23 37 39
	ePP	41 49
BUT	eP	23 37 03
	ePP	40 59
COL	iP	23 34 40C
	i	35 14
	i	35 55
	i	36 04
	e(S)	43 28
	eL	58 12
	eP'P'	00 07 29
	i	07 45
EUR	iP	23 37 22
	iPP	41 21
HH	iP	23 36 51
	i	36 58
	iPP	40 39
	ePKKP	53 55
KIP	iP	23 36 13
RC	eP	23 37 24
	e	39 22
	ePP	41 27
SLC	e(P)	23 37 29
SIT	eP	23 35 37
	i	35 42
TUC	eP'	23 41 54
Feb. 7		
BOZ	eP	23 52 07
EUR	eP	23 53 38
TUC	eP	23 53 27

Date and Station		Phase (GCT)
Feb. 8		h m s
HH	iP	00 16 07
	e(S)	16 38
	iL	16 46
Feb. 8		
EUR	iP	01 48 26
Feb. 8		
BC	eP	10 34 24
	e	37 57
EUR	iP	10 35 14
HH	eP	10 36 45
Feb. 8		
COL	eP	17 00 10
Feb. 8		
COL	iP	21 08 14
	iS	08 40
	eL	08 44
Feb. 8		
HH	iP	21 32 55
Feb. 8		
EUR	eP	22 01 29
HH	e(P)	22 00 58
Feb. 8		
EUR	eP	23 42 05
HH	eP	23 43 07
	e	43 13
RC	eP	23 42 25
Feb. 8		
HH	iP	23 51 46
Feb. 9		
COL	iP	00 32 02
	iS	33 02
	eL	33 12
Feb. 9		
EUR	iP	01 14 19
HH	iP	01 15 20
RC	eP	01 14 38
TUC	eP	01 13 08
Feb. 9		
HH	eP	01 20 57
Feb. 9		
COL	eP	01 52 46
	e	53 20
EUR	iP	01 53 01
	e	53 32
Feb. 9		
EUR	eP	02 38 57

Date and Station		Phase	(GCT)
			h m s
HH	eP	02 39 15	
SJ	eP	02 34 27	
Feb. 9			
EUR	eP	03 28 16	
HH	eP	03 28 44	
	e	29 12	
RC	eP	03 28 27	
Feb. 9			
BH	iP	04 15 22	
	iS	15 38	
BC	eP	04 23 08	
BUT	eP	04 23 45	
COL	iP	04 26 44	
	ePP	29 28	
COLU	e(P)	04 21 19	
EUR	iP	04 23 29	
	i	24 19	
HH	iP	04 24 03	
RC	iP	04 22 58	
	ePPP	25 24	
SLC	eP	04 23 17	
SJ	eP	04 19 01	
	i	19 11	
TUC	eP	04 22 29	
	ePcP	24 26	
Feb. 9			
COL	iP	06 11 53	
	iS	12 38	
	eL	12 41	
Feb. 9			
BH	iP	08 18 04	
	iS	18 25	
Feb. 9			
EUR	eP	09 07 59	
Feb. 9			
COL	iP	09 38 29	
Feb. 9			
COL	iP	09 43 15	
	i	43 37	
	iPP	46 14	
EUR	eP'	09 49 42	
HH	e(P)	09 45 14	
TUC	eP'	09 49 57	
	e	50 09	

Date and Station		Phase	(GCT)
			h m s
Feb. 9			
BH	iP	10 31 57	
	iS	32 16	
Feb. 9			
BH	eP	11 27 44	
	eS	28 41	
EUR	eP	11 34 07	
TUC	e(P)	11 33 00	
Feb. 9			
COL	iP	11 58 26	
	iS	59 10	
Feb. 9			
EUR	eP	12 11 20	
HH	iP	12 10 50	
	e	13 16	
Feb. 9			
COL	eP	16 19 48	
	iS	20 38	
	iL	20 48	
Feb. 9			
COL	eP	17 32 09	
	iP	32 15	
	iS	32 51	
	eL	32 56	
Feb. 9			
HH	eP	20 36 53	
Feb. 9			
COL	eP	21 37 56	
	iP	38 07	
	e(S)	39 35	
	eL	39 43	
HH	iP	21 40 53	
	i	43 44	
RC	eP	21 42 06	
TUC	eP	21 42 32	
Feb. 9			
COL	eP	22 41 30	
	i	44 30	
EUR	eP	22 43 40	
HH	eP	22 43 23	
	ePP	47 15	
KIP	eP	22 41 25	
RC	ePP	22 48 33	
SJ	eP'	22 49 12	
	e	49 18	
TUC	e(P)	22 43 31	
	eP'	48 11	
Feb. 9			
COL	iP	23 26 05	

Date and Station		Phase	(GCT)
			h m s
TUC	eP	23 25 44	
Feb. 9			
BC	e(P)	23 55 26	
COL	iP	23 51 43	
EUR	iP	23 55 02	
HH	iP	23 54 31	
RC	eP	23 55 42	
TUC	eP	23 56 05	
Feb. 10			
BOZ	e(P)	01 05 20	
Feb. 10			
COL	iP	01 44 45	
Feb. 10			
HH	e(P)	07 14 24	
Feb. 10			
COL	eP	11 02 28	
Feb. 10			
COL	iP	11 48 53	
Feb. 10			
COL	iP	12 27 49	
Feb. 10			
COL	iP	13 05 24	
Feb. 10			
BC	eP	14 55 10	
BUT	eP	14 54 49	
COL	iP	14 52 27	
EUR	iP	14 54 54	
HH	eP	14 54 39	
RC	eP	14 55 24	
SLC	iP	14 55 06	
Feb. 10			
COL	iP	19 29 45	
	eL	32 13	
Feb. 10			
COL	iP	20 38 08	
Feb. 11			
HH	iP	00 20 38	
Feb. 11			
COL	eP'	01 04 24	
COLU	eP'	01 06 07	
EUR	eP'	01 05 21	
HH	eP'	01 05 11	
	e	07 20	

Date and Station		Phase	(GCT)
			h m s
RC	eP'	01 05 28	
TUC	ePKS	01 08 32	
Feb. 11			
COL	iP	06 36 44	
	iS	37 32	
	iL	37 40	
Feb. 11			
COL	eP	06 56 43	
EUR	eP	07 32 17	
HH	eP	07 33 18	
RC	e(P)	07 32 35	
TUC	eP	07 31 12	
Feb. 11			
BC	eP	07 52 24	
COL	eP	07 48 35	
	i	49 13	
EUR	iP	07 52 00	
HH	iP	07 51 29	
TUC	eP	07 53 04	
Feb. 11			
EUR	eP	08 48 59	
Feb. 11			
COL	iP	10 57 45	
	iS	58 08	
	iL	58 17	
Feb. 11			
COL	iP	11 50 05	
Feb. 11			
BC	eP	12 52 40	
BOZ	eP	12 53 29	
BUT	eP	12 53 36	
COL	iP	12 56 59	
	i	58 35	
COLU	eP	12 51 41	
EUR	iP	12 53 08	
HH	eP	12 53 56	
RC	eP	12 52 54	
	ePP	54 15	
SLC	iP	12 52 58	
TUC	eP	12 51 56	
	eL	13 02 16	

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

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

Date and Station		Phase (GCT)
		h m s
HH	iP	07 54 25
	ipP	55 16
	ePP	57 39
	ipPP	58 30
RC	eP	07 55 06
TUC	eP	07 55 04
	ePP	58 43
Feb. 16		
EUR	eP	08 57 06
Feb. 16		
BOZ	iP	09 45 22
	i	45 42
BUT	eP	09 45 17
	eS	45 32
	eL	45 40
EUR	eP	09 46 25
	i	46 32
	eS	47 42
	iL	47 57
HH	iP	09 45 51
	i	46 02
	i(S)	46 47
	iL	46 51
RC	e(P)	09 47 05
	e	48 37
SLC	eP	09 46 02
Feb. 16		
COL	eP	10 19 20
	i	19 37
	iS	20 35
	iL	20 42
EUR	eP	10 24 45
HH	iP	10 23 51
	e	24 13
	e	24 19
RC	eP	10 25 04
TUC	eP	10 25 55
Feb. 16		
COL	eP	11 23 14
	iL	23 41
Feb. 16		
BC	eP	14 20 05
EUR	iP	14 20 47
RC	eP	14 21 32
SLC	eP	14 20 56
	e	21 12
TUC	iP	14 19 09

Date and Station		Phase (GCT)
		h m s
Feb. 16		
COL	eP	15 31 29
Feb. 16		
COL	iP	18 07 40
	iS	08 00
	iL	08 02
Feb. 16		
COL	iP	19 09 47
EUR	iP	19 13 14
HH	iP	19 12 44
RC	eP	19 13 51
TUC	eP	19 14 14
Feb. 16		
EUR	eP	20 13 59
RC	eP	20 13 38
Feb. 16		
COL	iP	20 16 36
EUR	eP	20 20 06
Feb. 16		
HH	e(P)	20 46 49
Feb. 16		
COL	iP	23 10 00
EUR	eP	23 11 47
HH	iP	23 10 42
TUC	eP	23 12 19
Feb. 16		
COL	iP	23 32 05
	eS	33 10
	eL	33 16
	iL	33 24
HH	e(P)	23 36 56
Feb. 16		
COL	iP	23 42 37
	iS	43 50
	iL	43 54
Feb. 17		
BC	eP	00 08 08
COL	iP	00 07 10
	e	09 12
EUR	iP	00 08 04
HH	eP	00 08 14
	e	12 20
Feb. 17		
HH	eP	00 36 16
Feb. 17		
COL	iP	01 03 09

Date and Station		Phase (GCT)
		h m s
Feb. 17		
COL	iP	02 31 50
EUR	eP	02 35 33
HH	e(P)	02 35 04
	e	35 14
RC	eP	02 36 00
	e	36 07
Feb. 17		
COL	iP	02 57 05
	iS	58 11
	eL	58 25
Feb. 17		
EUR	eP	05 13 12
Feb. 17		
BC	eP	05 32 42
	e(P')	35 51
BOZ	eP	05 31 57
	epP	32 49
BUT	eP	05 31 53
	epP	32 45
COL	iP	05 29 59
	ipP	30 51
	iPP	33 06
	eS	39 20
	iS	40 14
	isS	41 12
	eSS	44 24
	eSSS	48 04
	iL	48 05
	e(P'P')	54 50
	eP'P'	56 53
	iSKPP'	06 00 27
	i	00 39
EUR	iP	05 32 25C
	ipP	33 20
	i	35 00
	i(P')	35 48
	iPP	36 39
	e(SKS)	42 18
	e	53 15
	eP'P'	56 29
HH	iP	05 31 44
	epP	32 42
	iPP	35 34
	e	37 05
	e(SKS)	41 54
	eSP	43 27
	ePKKP	48 32
	eP'P'	56 42
	eSKPP'	06 00 01
RC	eP	05 32 03
	iP	32 05
	epP	32 55
	ePP	35 52
SJ	eP'	05 37 39

Date and Station		Phase (GCT)
		h m s
SIT	iP	05 30 52
	epP	31 42
	ePP	34 10
TUC	e(P)	05 32 40
	eP'	36 54
	ePP	37 44
	eL	06 04 09
Feb. 17		
EUR	eP	05 48 10
	ipP	49 05
	isP	49 25
TUC	eP	05 47 47
	e	48 00
	e	48 49
	e	56 13
Feb. 17		
EUR	eP	05 56 29
Feb. 17		
COL	i	09 12 07
Feb. 17		
BC	eP	11 58 35
BOZ	eP	11 59 05
EUR	eP	11 58 19
	e	58 30
RC	e(P)	11 59 22
	e	12 00 01
	e	01 35
SLC	eP	11 57 53
	e	58 10
TUC	eP	11 59 21
	e	59 24
	eL	12 00 52
Feb. 17		
COL	e(P)	12 15 46
	iP	16 52
Feb. 17		
BOZ	e(P)	13 29 33
COL	iP	13 33 05
EUR	eP	13 29 11
HH	eP	13 30 01
TUC	eP	13 27 59
Feb. 17		
COL	e(P)	16 11 34
	eS	12 13
	eL	12 16
Feb. 17		
COL	iP	17 27 32
	i	29 49
EUR	iP	17 31 08

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

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Date and Station		Phase (GCT)
		h m s
Feb. 20		
COL	iP	04 09 10
HH	eP	04 11 13
Feb. 20		
COL	eP	04 16 35
HH	eP	04 18 38
Feb. 20		
COL	iP	04 50 02
	i	50 46
	ePP	52 34
EUR	eP	04 52 25
	ePP	55 50
HH	eP	04 52 04
	ePP	55 24
Feb. 20		
EUR	eP	08 22 45
Feb. 20		
HH	iP	09 03 32
Feb. 20		
COL	e(P)	09 16 09
	eP	16 12
HH	eP	09 18 15
Feb. 20		
COL	iP	11 33 09
	iS	34 11
	eL	34 22
Feb. 20		
COL	iP	13 10 16
	eS	10 25
	iL	11 40
Feb. 20		
HH	e(P)	14 45 32
Feb. 20		
COL	eP	15 13 30
	eS	14 15
	iL	14 18
Feb. 20		
TUC	e(P)	18 04 43
Feb. 20		
COL	iP	21 03 33
EUR	eP	21 06 04
HH	eP	21 05 44
	i	05 59
Feb. 21		
EUR	eP	01 21 20
	iS	21 40
	iL	21 43
Feb. 21		
BC	eP	03 29 19

Date and Station		Phase (GCT)
		h m s
BUT	eP	03 29 43
COL	eP	03 32 14
COLU	iP	03 27 22
	i	27 36
EUR	eP	03 29 25
	i	29 40
	eP'P'	57 43
HH	eP	03 29 59
	e	30 24
RC	eP	03 29 19
	e	29 25
SJ	eP	03 25 19
	e	25 37
TUC	eP	03 29 31
	i	29 45
Feb. 21		
HH	e(P)	06 39 35
Feb. 21		
COL	iP	10 27 53
	iS	24 03
	iL	24 10
Feb. 21		
BUT	eP	10 59 34
COL	iP	10 55 17
	i	55 25
	eS	59 28
	iS	59 36
	eL	11 00 12
	iL	01 32
EUR	eP	11 00 03
HH	iP	10 59 13
RC	e(P)	11 00 21
Feb. 21		
COL	iP	12 01 47
EUR	eP	12 04 45
	i	05 04
HH	eP	12 04 21
TUC	e(P)	12 05 42
Feb. 21		
BC	eP	13 55 44
COL	eP	13 59 17
	ePP	14 02 18
EUR	eP	13 56 06
HH	eP	13 56 43
RC	eP	13 55 46

Date and Station		Phase (GCT)
		h m s
SJ	eP	13 52 02
TUC	eP	13 55 05
Feb. 21		
COL	iP	13 55 54
EUR	eP	13 58 59
HH	iP	13 58 20
Feb. 21		
EUR	eP	16 35 46
TUC	eP	16 36 42
Feb. 21		
COL	iP	17 51 54
Feb. 21		
HH	eP	18 26 15
SJ	eP	18 21 26
Feb. 21		
HH	e(P)	20 54 01
Feb. 21		
HH	e(P)	22 22 06
HONO	eP	22 59 02
Feb. 22		
COL	iP	06 20 08
Feb. 22		
HONO	eP	08 09 34
Feb. 22		
COL	iP	08 24 05
	ipP	25 03
COLU	iP'	08 30 36
EUR	iP	08 25 12
	ePP	29 06
HH	iP	08 25 17
	ePP	29 18
SJ	iP'	08 31 08
Feb. 22		
BC	iP	10 58 45D
	e	59 19
BOZ	eP	10 58 18D
	e	59 13
	e	59 36
BUT	iP	10 58 10D
COL	iP	10 55 03C
	i	55 08
	iS	58 58
	iL	59 20
	e(P'P')	11 29 13

Date and Station		Phase (GCT)
		h m s
COLU	iP	11 01 21D
	i	02 06
	eP'P'	29 43
EUR	iP	10 58 22D
	i(S)	11 04 23
	eP'P'	30 09
HONO	eP	10 56 55C
	iPP	57 56
	eS	11 02 04
	iL	03 16
T_L=13 sec. $A_{max.}$=23mm		
HH	iP	10 57 54D
	iPoP	11 00 08
	eP'P'	29 23
KIP	eP	10 56(54)
	iPP	57(54)
RC	iP	10 59 03D
	ePP	11 00 56
	eS	06 16
	eScS	09 15
	eL	09 50
	eP'P'	30 08
SLC	iP	10 58 37D
	e	59 24
SJ	iP	11 03 16
	ePP	06 35
SIT	iP	10 55 46C
TUC	iP	10 59 23D
	ePP	11 01 20
	ePPP	02 10
	eS	06 34
	iS	06 40
	eSS	09 49
	eL	11 28
	eP'P'	27 29
UK	iP	10 57 44D
	ePP	58 16
	e(S)	11 04 50
	e	05 25
	eL	08 21
WASH	iP	11 01 12C
	i	01 44
	ePP	03 44
	e	06 14
	eS	10 01
	eSS	14 27
	eL	18 19
Feb. 22		
HH	e(P)	12 24 29
	e	24 40
RC	e(P)	12 24 53
Feb. 22		
BC	eP	13 30 09

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

Date and Station		Phase (GCT)
		h m s
RC	epP	09 26 06
	iS	34 32
SLC	eP	09 24 14
	epP	25 51
TUC	eP	09 24 39
	epP	26 22
	ePP	28 17
	iS	34 29
	eSKS	34 37
	i	34 55
	e	35 07
Feb. 23		
COL	eP	09 59 29
	i	59 39
EUR	eP	10 02 44
Feb. 23		
COL	iP	10 17 50
	iPP	20 29
EUR	eP	10 20 15
HH	iP	10 19 54
	ePP	23 04
SIT	eP	10 18 38
Feb. 23		
BC	eP	11 00 25
	e	00 46
BOZ	iP	11 00 11
	e	00 28
BUT	iP	11 00 10
	e	00 35
COL	iP	10 57 50
	i	58 18
	iPP	11 00 33
	eS	05 56
	e(ScS)	07 33
	e	09 17
	eSS	10 12
	eL	12 48
EUR	iP	11 00 12
HONO	iP	10 57 16
HH	iP	10 59 59
	i	11 00 26
	eS	10 02
	e(PKKP)	18 35
	e	31 45
KIP	iP	10 57(14)
RC	iP	11 00 41
	eS	11 26
SLC	eP	11 00 24
	e	01 20
SJ	ePKS	11 10 04

Date and Station		Phase (GCT)
		h m s
SIT	iP	10 58 32
TUC	iP	11 00 47
	e	01 10
	ePP	04 21
	eS	11 24
Feb. 23		
EUR	iP	13 17 39
Feb. 23		
HONO	iP	13 59 44
	iS	59 56
	iL	59 58
Feb. 23		
COL	eP	14 24 31
HH	iP	14 26 59
Feb. 23		
EUR	eP	16 57 53
HH	eP	16 58 20
RC	eP	16 57 37
TUC	eP	16 57 05
Feb. 23		
COL	iP	19 14 59
EUR	eP	19 14 28
Feb. 23		
EUR	eP	20 12 31
Feb. 23		
BC	e(P)	21 16 08
EUR	eP	21 14 30
TUC	eP	21 12 42
	e	13 03
	e(S)	13 48
	eL	13 52
Feb. 23		
COL	eP	21 36 36
Feb. 23		
COL	eP	22 06 10
Feb. 23		
RC	e(P)	23 42 25
Feb. 24		
EUR	iP	05 42 42
TUC	eP	05 43 46
Feb. 24		
BC	e(P)	08 07 24
BOZ	e(P)	08 06 40
COL	iP	08 03 20
	eS	07 11
	eL	09 14

Date and Station		Phase (GCT)
		h m s
COLU	eP	08 09 45
	ePcP	10 10
EUR	iP	08 06 45
HH	eP	08 06 15
RC	eP	08 07 25
TUC	eP	08 07 46
Feb. 24		
COL	eP	08 13 47
	iS	14 44
	eL	14 52
Feb. 24		
EUR	eP	08 29 41
HH	eP	08 31 43
EUR	eP	10 38 27
Feb. 24		
TUC	e(P)	11 49 37
Feb. 24		
BC	eP	12 40 27
BOZ	eP	12 39 48
	e	40 07
BUT	eP	12 39 44
COL	iP	12 37 06
	iS	45 16
	e	49 02
	eL	51 13
EUR	iP	12 40 09
HH	iP	12 39 31
	i	39 39
SLC	eP	12 40 09
SIT	iP	12 38 12
TUC	eP	12 40 47
Feb. 24		
COL	eP	13 06 16
Feb. 24		
EUR	eP	13 41 35
	i	42 18
Feb. 24		
HH	eP	14 55 56
	iS	56 06
	iL	56 09
Feb. 24		
HH	iP	20 38 01
RC	iP	20 40 03
	e	40 35

Date and Station		Phase (GCT)
		h m s
Feb. 24		
TUC	eP	21 07 14
	e	07 41
Feb. 24		
COL	iP	21 37 49
EUR	iP	21 37 15
HH	eP	21 37 48
Feb. 25		
COL	iP	00 23 32
	iS	24 06
	iL	24 11
Feb. 25		
COL	iP	01 57 37
Feb. 25		
BC	eP	02 05 05
BUT	eP	02 04 47
COL	iP	02 01 35
	iPP	02 23
	iS	06 00
	i	07 15
	eL	08 00
COLU	eP	02 07 52
EUR	iP	02 05 02
HH	eP	02 04 30
	e(S)	10 16
RC	eP	02 05 38
SLC	eP	02 05 15
SJ	iP	02 09 43
TUC	eP	02 06 01
	e	06 13
	eL	26 11
Feb. 25		
HH	eP	02 56 31
Feb. 25		
COL	iP	07 31 20
	i	31 33
COLU	eP	07 37 52
EUR	iP	07 34 50
	iPcP	36 57
HH	iP	07 34 18
	iPcP	36 47
	e(S)	40 29
RC	eP	07 35 31
SJ	eP	07 39 53
TUC	eP	07 35 54

Date and Station		Phase	(GCT) h m s
Feb. 25			
HONO	eP		08 07 53
Feb. 25			
EUR	eP		09 11 38
HH	eP		09 11 06
RC	eP		09 12 19
TUC	eP		09 12 43
Feb. 25			
COL	iP		10 13 13
	iS		14 27
	iL		14 42
Feb. 25			
EUR	eP		10 41 56
Feb. 25			
COL	iP		12 32 10
Feb. 25			
COL	eP		12 36 34
Feb. 25			
EUR	eP		14 27 49
Feb. 25			
COL	eP		14 39 49
EUR	iP		14 43 15
HH	iP		14 42 43
	i		45 12
TUC	eP		14 44 19
Feb. 25			
COL	iPP		15 14 38
	i		15 37
EUR	iP'		15 15 30
HH	eP		15 15 45
RC	ePP		15 14 12
SIT	iPP		15 14 53
Feb. 25			
COL	eP		16 44 00
	iS		44 13
Feb. 25			
EUR	iP		17 47 15
Feb. 25			
HH	e(P)		18 23 22
Feb. 25			
COL	iP		18 55 26
	iS		55 55
	iL		55 57
Feb. 25			
EUR	eP		20 34 29

Date and Station		Phase	(GCT) h m s
Feb. 25			
EUR	eP		21 51 41
Feb. 25			
EUR	eP		22 25 49
Feb. 26			
COL	iP		00 29 40
	ipP		31 03
	iPP		33 03
EUR	eP		00 30 45
HH	eP		00 30 50
	epP		32 17
	iPP		35 23
Feb. 26			
COL	e(P)		00 32 09
EUR	iP		00 35 53
Feb. 26			
COL	iP		02 20 20
EUR	iP		02 20 00
HH	eP		02 20 26
Feb. 26			
EUR	eP		04 47 54
Feb. 26			
HONO	eP		04 56 08
Feb. 26			
EUR	eP		07 36 04
Feb. 26			
EUR	eP		08 48 20
Feb. 26			
COL	eP		10 56 30
	iP		56 48
	i		57 08
	iS		58 04
	eL		58 26
Feb. 26			
BOZ	eP		11 47 33
BUT	eP		11 47 27
COL	iP		11 44 54
EUR	iP		11 47 35
HH	iP		11 47 15
RC	iP		11 48 02
SLC	eP		11 47 45
Feb. 26			
EUR	iP		16 34 14
HH	iP		16 34 43
SJ	eP		16 30 43

Date and Station		Phase	(GCT) h m s
Feb. 26			
BC	eP		17 01 16
	e		01 30
BOZ	eP		17 00 46
BUT	eP		17 00 38
COL	iP		16 57 21
EUR	iP		17 00 56
HH	iP		17 00 22
	i		00 35
	ePP		02 34
RC	iP		17 01 21
	i		01 34
	e		02 50
	e		05 57
SLC	eP		17 01 06
	e		01 19
SIT	e(P)		16 58 28
TUC	eP		17 01 48
	e		02 03
Feb. 26			
BC	eP		17 30 40
BOZ	eP		17 30 16
BUT	eP		17 30 26
COL	iP		17 27 13
EUR	iP		17 30 23
	i		31 07
HH	iP		17 29 55
	i		30 07
SLC	eP		17 30 32
TUC	eP		17 31 08
Feb. 26			
COL	iP		19 29 35
Feb. 26			
COL	iP		20 04 06
EUR	iP		20 01 06
HH	eP		20 01 40
TUC	eP		20 00 07
Feb. 26			
HH	e(P)		20 32 37
	e		34 01
	eL		34 09
Feb. 26			
EUR	eP		21 34 50

Date and Station		Phase	(GCT) h m s
Feb. 27			
HH	iP		00 07 24
	iS		07 42
	iL		07 45
Feb. 27			
EUR	eP		04 25 58
TUC	eP		04 25 53
Feb. 27			
COL	iP		06 40 15
	iS		40 39
	iL		40 42
HH	iP		06 44 50
	e		45 22
Feb. 27			
COL	iP		08 07 01
Feb. 27			
EUR	eP		10 54 36
HH	e(P)		10 55 19
	e		55 43
TUC	eP		10 53 24
	e		54 29
	e		55 26
	eL		11 01 39
Feb. 27			
BC	e(P)		23 42 03
BUT	eP		23 41 30
COL	iP		23 39 17
	iPP		42 08
	iS		48 43
	eSS		53 28
	eL		00 00 12
EUR	iP		23 41 39
	i		41 46
	e		44 51
	ePKKP		58 22
HONO	e(P)		23 39 42
	eP		39 55
	eS		49 20
	i		50 04
	eSS		54 36
	eL		00 00 42
	eT		01 00 24
HH	iP		23 41 19
	e		44 28
	ePKKP		58 07
	e		58 20
SJ	eP		23 47 32
	ePP		51 04
SIT	eP		23 40 08
TUC	e(P)		23 45 39
	ePP		46 41
	e		49 54

Date and Station		Phase (GCT)
		h m s
TUC	ePPS	23 56 05
	ePKKP	58 07
	eL	00 18 01
Feb. 28		
EUR	eP	00 02 16
Feb. 28		
BC	eP	03 24 46
COL	eP	03 24 57
EUR	eP	03 24 49
HH	e(P)	03 25 14
SLC	eP	03 25 07
TUC	eP	03 24 53
Feb. 28		
RC	e(P)	05 17 07
	e	18 19
	e	19 30
Feb. 28		
EUR	eP	05 22 46
Feb. 28		
COL	iP	08 22 36
HH	eP	08 21 48
Feb. 28		
RC	eP	10 05 00
	e	05 12
BOZ	eP	10 04 30
	e	05 12
BUT	eP	10 04 36
COL	iP	10 06 15
	eS	15 29
	eSS	19 16
	eL	23 36
COLD	eP	10 01 24
	iS	06 43
	i	07 24
	eL	09 45
EUR	iP	10 05 01
	iPcP	05 51
HH	eP	10 04 40
RC	eP	10 03 50
	ePP	05 52
SLC	eP	10 04 37
SJ	iP	09 59 47
	i	10 01 12
	iS	03 53
	eL	05 44
	eP'P'	25 36

Date and Station		Phase (GCT)
		h m s
TUC	iP	10 04 43
	e(PPP)	08 24
	eS	12 49
	eL	22 18
	e(P'P')	30 32
Feb. 28		
COL	iP	12 28 55
EUR	iP	12 27 44
RC	eP	12 26 30
SJ	eP	12 22 30
TUC	eP	12 27 26
Feb. 28		
RC	e(P)	12 39 36
Feb. 28		
EUR	iP	14 18 08
Feb. 28		
BC	e(P)	16 11 53
EUR	e(P)	16 12 47
	e	14 46
TUC	eP	16 10 27
	i	10 32
	e	11 18
Feb. 28		
COL	iP	16 35 04
Feb. 28		
COL	iP	16 37 27
Feb. 28		
COL	iP	16 54 11
Feb. 28		
COL	eP	18 11 01
	i	11 11
	eS	11 51
	eL	11 56
Feb. 28		
EUR	eP	20 25 27
Feb. 28		
EUR	eP	20 31 50
HH	e(P)	20 32 49
Feb. 28		
EUR	iP	20 46 58
	i	47 30
Feb. 28		
HH	e(P)	22 56 06

Date and Station	Phase (GCT)
	h m s

Date and Station	Phase (GCT)
	h m s

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Date and Station	Hour (G.C.T.)
BOZ	
Feb.	
16	09.8
BUT	
Feb.	
2	16.1
3	18.5
4	21.0
6	19.6
11	23.2
12	23.0
16	09.8
	10.1
	10.6
	10.7
	13.0
	13.4
20	11.5
	19.9
24	14.9
COL	
Feb.	
2	15.8
8	19.0
11	11.0
18	04.3
	15.6
20	23.2
21	14.5
	16.3
23	14.5
EUR	
Feb.	
1	07.1
13	05.6
15	00.2
	07.1
16	07.5
17	17.9
21	20.5
24	11.7(2)
26	05.6
HONG	
Feb.	
12	01.7
15	01.5
26	01.3
KIP	
Feb.	
5	22.2
12	01.2
23	14.0
RC	
Feb.	
12	12.4
15	06.4

Date and Station	Hour (G.C.T.)
SJ	
Feb.	
1	10.9
	12.9
	13.5
12	13.3
	18.4
15	01.6
	20.7
16	15.5
17	01.6
23	11.6
24	09.8
	12.3
SIT	
Feb.	
22	15.3
TUC	
Feb.	
1	07.4
7	02.4
8	10.6
12	04.5
	06.3
13	04.4
	07.1
16	02.8
	03.5
17	05.9
18	23.8
21	13.0
	13.5
24	06.4
28	07.9
UK	
Feb.	
1	06.2
6	00.9
14	13.8