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U. S. COAST & GEODETIC SURVEY
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SEISMOLOGICAL BULLETIN

February, 1956

MSI - 182

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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
*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
Feb.	h m s	° ′	° ′	
1	01 32 55*	20 S.	169 E.	Loyalty Islands.
1	08 27 41*	21 S.	179-1/2 W.	Fiji Islands region. h about 600 km.
1	13 41 44*	19 N.	145-1/2 E.	Marianas Islands. h about 350 km. Mag. 6-3/4 - 7.
1	15 10 46*	39-1/2 N.	16 E.	Near west coast of Italy. Felt. h about 200 km.
1	16 25 28**			Northern Chile.
2	03 21 45*	17-1/2 N.	46-1/2 W.	Atlantic Ocean.
2	10 42 37*	12 N.	62 W.	Windward Islands. h about 200 km.
2	14 54 18*	16 N.	98-1/2 W.	Off coast of Guerrero, Mexico.
2	16 54 32*	16 N.	98-1/2 W.	Do.
3	13 16 02**			Eastern Iraq.
4	02 55 02*	0	81 W.	Near coast of Ecuador.
4	18 38 22**			New Ireland region.
5	04 50 42*	3 N.	128-1/2 E.	Halmahera region.
5	20 35 55*	3-1/2 N.	128 E.	Molucca Passage.
7	03 16 35*	34-1/2 N.	119 W.	Ventura County, California. Felt. Mag. 4.6.
7	07 03 29**			Northwestern Colombia.
7	16 59 25**			Queen Charlotte Islands.
9	00 57 12*	48-1/2 N.	122-1/2 W.	Northwestern Washington. Felt from Everett to Bellingham.
9	07 32 18*	5-1/2 N.	83 W.	South of Panama.
9	08 31 20**			Queen Charlotte Islands region.
9	14 32 40	31.5 N.	116.0 W.	Lower California. Minor damage in Imperial Valley, California. Mag. 6.8.
9	15 24 26*	32 N.	116 W.	Lower California aftershock. Felt. Mag. 6.4.
9	16 29 53*	31-1/2 N.	115-1/2 W.	Lower California aftershock. Felt. Mag. 6.2.
9	16 59 54*	31-1/2 N.	116 W.	Lower California aftershock. Felt. Mag. 5.8.
9	18 48 45*	32 N.	115-1/2 W.	Do.
9	21 55 33*	36-1/2 N.	139 E.	Central Honshu, Japan. Felt at Tokyo.
9	23 51 20**			About 150 miles off coast of Guerrero, Mexico.
10	00 02 40*	37 N.	142 E.	Off coast of Honshu, Japan. h about 60 km.
10	00 05 27*	31-1/2 N.	116 W.	Lower California aftershock.
10	04 18 16**			Lower California aftershock. Mag. 5.2.
10	12 38 35*	11-1/2 S.	79 W.	Off coast of Peru. Felt at Lima.
10	13 43 20**			About 100 miles off coast of Peru.
10	14 30 10**			Lower California aftershock. Mag. 5.1.
10	15 09 30**			Do.
10	18 12 53*	31-1/2 N.	116 W.	Lower California aftershock. Felt. Mag. 6.1.
10	18 40 07**			Southeastern Luzon, Philippine Islands. Felt at Virac and Legaspi.

Date 1956	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Feb.	h m s	° '	° '	
11	02 57 42*	31-1/2 N.	116 W.	Lower California aftershock. Mag. 5.2.
11	05 38 38*	5 N.	94-1/2 E.	Off north coast of Sumatra.
11	06 11 26**			Lower California aftershock. Mag. 5.3.
11	06 24 30*	32 N.	115-1/2 W.	Lower California aftershock. Mag. 5.5.
11	06 45 38*	5 S.	13-1/2 W.	Atlantic Ocean.
12	11 49 20*	19 N.	119-1/2 E.	Off northwest coast of Luzon, Philippine Islands. Felt on northern Luzon. Mag. 6-1/4 - 6-1/2.
12	12 08 45*	18 N.	120 E.	Luzon aftershock.
12	12 17 33**			Do.
12	17 31 18**			Hindu Kush. h about 200 km.
12	19 40 20*	19 N.	120 E.	Luzon aftershock.
13	02 12 00**			Do.
13	03 44 45*	19 N.	120 E.	Do.
13	14 20 48**			Do.
13	14 29 44*	51 N.	150 E.	Sea of Okhotsk. h about 500 km.
13	15 33 14*	19 N.	66-1/2 W.	Off north coast of Puerto Rico. Felt at San Juan. h about 60 km.
13	20 49 10**			Off coast of Peru.
13	22 39 50*	18-1/2 N.	119-1/2 E.	Luzon aftershock.
14	00 52 50*	35-1/2 N.	139-1/2 E.	Near east coast of Honshu, Japan. Several injured and minor property damage at Tokyo. h about 60 km. Mag. 5-3/4 - 6.
14	07 38 10**			Luzon aftershock.
14	08 21 03*	19 N.	119-1/2 E.	Do.
14	09 53 26*	37 N.	1-1/2 E.	Near coast of Algeria.
14	12 33 48*	18-1/2 N.	119-1/2 E.	Luzon aftershock.
14	14 45 30**			Lower California aftershock. Mag. 5.2.
14	18 33 32*	31-1/2 N.	115-1/2 W.	Lower California aftershock. Felt. Mag. 6.5.
14	18 55 12**			Luzon aftershock.
14	21 08 36*	42-1/2 N.	143 E.	Hokkaido, Japan. Felt.
14	21 50 08*	52 N.	180	Andreanof Islands, Aleutian Islands. h about 60 km.
15	01 20 36*	31-1/2 N.	115-1/2 W.	Lower California aftershock. Felt. Mag. 6.7.
15	02 28 35*	31 N.	115-1/2 W.	Lower California aftershock. Mag. 5.3.
15	07 07 46*	31 N.	115-1/2 W.	Lower California aftershock. Mag. 5.2.
15	08 35 54**			Lower California aftershock. Mag. 5.1.
15	11 57 39**			Kurile Islands region.
15	12 50 12*	8-1/2 S.	74-1/2 W.	Peru. Two killed in Callejon-Huaylas region. h about 150 km.
15	15 49 27*	28 N.	53 E.	Southern Iran.
15	18 54 43**			Lower California aftershock. Mag. 5.

Date 1956	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Feb.	h m s	° ′	° ′	
15	20 36 03*	13-1/2 S.	111-1/2 W.	Pacific Ocean.
16	00 17 53*	22-1/2 N.	143 E.	Marianas Islands region. h about 100 km.
16	03 05 40**			Guerrero, Mexico.
16	05 53 02*	31 N.	115-1/2 W.	Lower California aftershock. Mag. 5.1.
16	08 12 27*	31-1/2 N.	115-1/2 W.	Lower California aftershock. Mag. 5.2.
17	09 25 00**			Lower California aftershock. Mag. 5.0.
17	09 53 55*	47 S.	15 W.	South Atlantic Ocean.
17	10 40 00**			Lower California aftershock.
18	01 37 16*	10 S.	79 W.	Near coast of Peru.
18	07 34 16*	30 N.	137-1/2 E.	South of Honshu, Japan. Felt on Honshu. h about 450 km. Mag. 7-1/4 - 7-1/2.
18	10 24 20*	5 S.	79-1/2 W.	Northern Peru.
18	17 48 40*	8-1/2 S.	79-1/2 W.	Near coast of Peru.
18	23 58 25*	36-1/2 N.	122 W.	Near coast of California. Felt at Hollister.
19	02 18 00*	52 N.	131-1/2 W.	Queen Charlotte Islands. Mag. 6-3/4.
19	02 39 35*	52 N.	131-1/2 W.	Queen Charlotte Islands aftershock.
19	04 13 16*	58-1/2 N.	154 W.	Alaska Peninsula.
19	05 15 12**			New Hebrides Islands. h about 200 km.
19	05 40 22*	23 S.	176 W.	Tonga Islands.
19	14 48 45*	22-1/2 S.	180	Fiji Islands region. h about 600 km.
20	07 00 10**			Off south coast of Kamchatka.
20	07 57 38*	24 N.	124 E.	Ryukyu Islands.
20	13 06 40**			Near coast of Oaxaca, Mexico.
20	20 31 35*	39-1/2 N.	30-1/2 E.	Turkey. Four killed and several injured at Istanbul. Extensive damage at Eskisehir.
21	03 00 54**			Fiji Islands region.
21	05 09 13**			Fiji Islands.
21	20 32 55*	22 S.	179 W.	Fiji Islands region. h about 650 km.
21	22 59 24*	73-1/2 N.	8 E.	Arctic Ocean foreshock.
22	00 07 37*	73-1/2 N.	8 E.	Arctic Ocean, southwest of Spitzbergen.
22	05 21 18*	54 N.	163 W.	Near Unimak Island, Alaska.
22	09 59 24*	5 S.	67 E.	Chagos Islands region.
23	01 21 03*	31 N.	42 W.	North Atlantic Ocean.
23	17 31 30**			Southern Iran.
24	09 19 01*	32 S.	179-1/2 E.	Kermadec Islands region.
24	09 45 45**			About 150 miles east of Trinidad.
26	05 15 26*	39-1/2 N.	140 E.	Northern Honshu, Japan.
26	11 33 44**			Santa Cruz Islands region.

Date 1956	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Feb.	h m s	° '	° '	
27	03 23 20**			Central Kamchatka.
27	08 37 58*	52 N.	174 W.	Andreanof Islands, Aleutian Islands. h about 100 km.
28	11 13 20*	23 S.	70 W.	Northern Chile. Felt strongly at Antofagasta and Portozuelo.
29	06 57 52*	29-1/2 N.	141 E.	South of Honshu, Japan.
29	09 01 08**			Lower California aftershock. Mag. 5.
29	20 51 18*	23-1/2 N.	94-1/2 E.	Burma-India border. h about 60 km.
29	21 25 58*	23-1/2 N.	94-1/2 E.	Burma-India border aftershock. h about 60 km.
29	23 46 18*	52 N.	159 E.	Near southeast coast of Kamchatka.

Date and Station		Phase (GCT)
		h m s
Feb. 1		
COL	iP	01 33 43
Feb. 1		
BC	eP	01 46 03
	e	46 24
	i	47 03
BUT	eP	01 46 30
COL	iP	01 46 01
EUR	eP	01 46 04
	iP	46 06
	i	46 27
	i(PP)	49 46
HH	eP	01 46 28
	ePP	50 25
	ePKKP	02 03 11
	iPKKP	03 13
	e	03 45
	eP'P'	11 29
SLC	eP	01 46 24
SJ	eP'	01 52 04
TUC	eP	01 46 11
	e	46 22
	ePP	50 09
	eL	02 15 36
Feb. 1		
COL	eP	01 56 57
Feb. 1		
SLC	eP	05 28 17
Feb. 1		
BC	eP	05 33 27
BOZ	e(P)	05 32 49
COL	iP	05 29 07
	e	30 25
EUR	iP	05 33 02
HH	eP	05 32 23
	e	33 46
SLC	eP	05 33 12
Feb. 1		
BC	e(P)	08 39 15
COL	iP	08 39 39
EUR	iP	08 39 18
	epP	41 30
TUC	iP	08 39 19
Feb. 1		
EUR	eP	09 51 16

Date and Station		Phase (GCT)
		h m s
Feb. 1		
EUR	iP	12 01 58
	ipP	02 18
Feb. 1		
BC	iP	13 53 57D
	epP	55 22
	eSKS	14 03 46
	iS	04 03
	i	04 14
	e	05 05
	i	05 58
BOZ	iP	13 53 52C
	ipP	55 21
	isP	56 20
	iPP	57 17
	eS	14 03 38
	iSP	04 54
	e	08 48
	eSS	09 49
	eSSS	13 18
	eL	16 15
	eP'P'	19 51
	eSKPP'	22 37
BUT	iP	13 53 46C
	ipP	55 13
	isP	56 01
	i	58 02
	eS	14 03 29
	iS	03 31
	i	05 34
	i	06 31
	i	07 13
	iSS	09 26
	iaSS	11 45
	eSSS	13 11
	eL	16 13
	eP'P'	19 57
	iSKPP'	22 41
COL	iP	13 51 42D
	iPcP	52 12
	ipP	53 05
	ePP	54 10
	i(pPP)	55 15
	ePPP	55 47
	eS	59 39
	iS	59 44
	i	14 00 13
	iScS	00 40
	isS	02 04
	iSS	04 00
	iSSS	07 18
	eL	08 26
	e(PKKP)	11 57
	e	13 39
	eSKKP	14 33
	eP'P'	20 17
	eP'P'	21 50
COLU	eP'	13 59 43D
	iPP	14 00 28
	eSKKS	06 50
	eS	07 33
	eSP	09 24
	eSPP	10 20

Date and Station		Phase (GCT)
		h m s
COLU	e	14 11 52
	iSS	15 30
	eL	23 28
EUR	iP	13 53 46D
	ipP	55 14
	i	55 38
	i(SKS)	14 02 51
	iS	03 37
	iP'P'	19 38
	i	21 25
	iSKPP'	22 38
	eP'P'P'	40 00
	e	41 59
HONO	eP	13 50 35D
	epP	51 53
	iS	57 38
	e(ScS)	14 00 10
	eL	02 26
T_S = 6 sec. A = 6mm.		
T_L = 12 sec. $A_{max.}$=2.5mm		
HH	iP	13 53 38D
	ipP	55 04
	isP	55 38
	i	56 25
	ePP	56 54
	eSKS	14 03 18
	iS	03 24
	e	05 04
	esS	06 04
	esSS	10 40
	ePKKP	11 54
	eP'P'	19 40
	iP'P'	19 52
	eSKPP'	22 40
PHIL	eSKS	14 05 56
	eS	07 35
	e	08 35
	iPS	09 24
	e	10 09
	e	11 51
	eSS	15 19
	esSS	17 45
	eSSS	20 14
	e	22 43
	eL	31 35
RC	eP	13 54 19
	epP	55 49
	iSKS	14 04 13
	iS	04 45
	e	06 09
	iSS	11 13
	eL	20 15
SLC	iP	13 53 59C
	i	54 46
	ipP	55 28
	isP	56 06
	eSKS	14 03 49
	iS	04 08
	iSP	05 13
	i	06 03
	isS	06 45

Date and Station		Phase (GCT)
		h m s
SLC	eSS	14 09 21
	i	10 11
	eSSS	13 51
	eL	19 01
	eP'P'	19 49
SJ	eP'	14 00 08C
	i	00 21D
	i(PP)	03 10
SIT	eP	13 52 12
	epP	53 36
	e	56 38
	iS	14 00 44
	eScS	01 35
	isS	03 11
	e(SS)	04 56
	esSS	08 13
	eL	13 12
TUC	iP	13 54 18D
	ipP	55 43
	iSKS	14 03 41
	e	04 15
	eS	04 49
	iS	04 50
	iSP	05 54
	e	06 26
	e	08 14
	iSS	11 06
	e	14 08
	eL	20 14
UK	e(P)	13 53 34
	iS	14 02 52
	eSS	08 16
	eL	20 35
WASH	ePP	14 00 20
	iPP	00 25
	epPP	01 36
	iSP	09 12
	e	09 36
	e	10 19
	i	12 22
	esSS	17 26
	eL	35 22
Feb. 1		
BC	iP	15 23 38
BOZ	iP	15 22 52
BUT	eP	15 22 54
COL	iP	15 22 11
COLU	iP	15 22 03
EUR	iP	15 23 26
HH	iP	15 22 48
	e	23 34
SLC	eP	15 23 13
TUC	iP	15 23 42

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

Date and Station		Phase (GCT)
		h m s
Feb. 2		
EUR	eP	18 56 22
HH	eP	18 54 52
TUC	e(P)	18 55 03
	eL	19 00 57
Feb. 2		
EUR	iP	19 04 55
Feb. 2		
HH	eP	19 15 16
Feb. 2		
HH	e(P)	19 32 04
Feb. 2		
BOZ	eP	19 37 41
COL	iP	19 38 24
EUR	iP	19 38 26
HH	eP	19 37 45
Feb. 2		
HH	e(P)	20 12 54
Feb. 2		
COL	iP	20 32 24
HH	i(P)	20 36 04
Feb. 3		
EUR	iP	00 45 43
Feb. 3		
EUR	iP	04 49 08
Feb. 3		
EUR	eP	05 02 53
Feb. 3		
SLC	eP	08 40 59
Feb. 3		
EUR	iP	10 13 43
HH	i(P)	10 14 17
Feb. 3		
COL	iP	13 28 22
HH	e(P)	13 29 37
Feb. 3		
EUR	iP	14 22 36
Feb. 3		
BOZ	eP	14 51 43
EUR	eP	14 52 25
HH	eP	14 51 45
TUC	eP	14 52 31

Date and Station		Phase (GCT)
		h m s
Feb. 3		
COL	iP	15 35 37
HH	e(P)	15 34 55
	e	36 14
Feb. 3		
HH	eP	15 45 11
Feb. 3		
EUR	eP	16 20 55
Feb. 3		
EUR	eP	16 29 25
	i	30 34
Feb. 3		
HH	eP	16 55 38
Feb. 3		
EUR	iP	17 06 46
Feb. 3		
EUR	eP	17 27 22
Feb. 3		
HH	eP	17 38 28
Feb. 3		
BC	eP	18 52 40
EUR	iP	18 52 57
HH	iP	18 53 25
	e	56 26
TUC	eP	18 52 11
Feb. 3		
HH	eP	19 11 49
Feb. 3		
HH	e(P)	19 37 25
	e	37 35
Feb. 3		
EUR	eP	20 11 12
	e	11 44
Feb. 3		
EUR	iP	20 24 21
Feb. 3		
BC	e(P')	21 57 27
COL	eP'	21 58 10
EUR	iP'	21 57 23
HH	iP'	21 57 09
	e	59 00
Feb. 3		
EUR	iP	22 06 11
	i	06 23
HH	iP	22 05 50
	i	06 01

Date and Station		Phase (GCT)
		h m s
Feb. 4		
BC	eP	03 03 45
BOZ	eP	03 04 25
BUT	eP	03 04 33
COL	eP	03 07 19
EUR	iP	03 04 08
HH	eP	03 04 47
SLC	e(P)	03 04 01
SJ	iP	03 00 13
	i	00 23
TUC	eP	03 03 06
Feb. 4		
COL	eP	04 02 24
Feb. 4		
HH	eP	05 52 15
Feb. 4		
COL	eP	06 25 26
Feb. 4		
HH	e(P)	07 06 14
Feb. 4		
EUR	iP	15 30 14
Feb. 4		
EUR	eP	15 56 56
HH	eP	15 57 15
Feb. 4		
EUR	eP	16 21 12
Feb. 4		
HH	eP	16 52 21
Feb. 4		
EUR	eP	17 29 46
Feb. 4		
HH	e(P)	17 56 17
Feb. 4		
HH	eP	18 17 29
Feb. 4		
EUR	eP	18 22 43
Feb. 4		
COL	iP	18 50 37
EUR	i(P)	18 52 09
HH	e(P)	18 52 02
Feb. 4		
HH	eP	19 09 35

Date and Station		Phase (GCT)
		h m s
Feb. 4		
COL	eP	20 18 49
EUR	eP	20 22 48
HH	e(P)	20 22 16
Feb. 4		
COL	iP	20 29 07
EUR	iP	20 31 10
HH	iP	20 31 15
Feb. 4		
HH	i(P)	20 43 01
Feb. 4		
COL	eP	22 33 18
Feb. 5		
COL	eP	03 13 34
	e	15 05
	i	15 30
Feb. 5		
COL	eP	05 03 19
Feb. 5		
EUR	eP	05 15 18
Feb. 5		
COL	iP	06 56 49
Feb. 5		
COL	eP	08 44 40
Feb. 5		
BC	eP	09 40 06
	e	40 15
BOZ	eP	09 39 28
COL	iP	09 35 46
EUR	iP	09 39 42
HH	eP	09 39 03
	e	40 25
Feb. 5		
EUR	iP	10 26 14
	i	27 30
SLC	eP	10 26 20
Feb. 5		
EUR	eP	11 04 47
Feb. 5		
HH	e(P)	12 05 31
Feb. 5		
COL	eP	14 04 51
Feb. 5		
COL	iP	16 39 40

Date and Station		Phase	(GCT) h m s
Feb. 5			
SLC		eP	17 19 28
Feb. 5			
HH		iP	19 16 50
Feb. 5			
HH		i(P)	20 42 12
Feb. 5			
BC		eP'	20 54 32
BOZ		eP'	20 54 28
		e	54 52
COL		iP	20 48 29
EUR		eP'	20 54 25
HONO		eP	20 47 35
HH		e(P)	20 50 10
		e	53 57
SJ		e(P')	20 55 51
		i	56 13
Feb. 5			
BUT		eP	21 05 58
EUR		iP	21 05 42
Feb. 6			
EUR		iP	00 17 08
SLC		eP	00 19 04
Feb. 6			
EUR		eP	02 56 01
Feb. 6			
BH		eP	05 56 57
		iS	57 28
HH		e(P)	06 05 25
SJ		eP	06 00 03
		i	00 12
Feb. 6			
COL		eP	08 31 28
EUR		eP	08 28 51
HH		eP	08 29 50
Feb. 6			
EUR		eP	09 34 00
Feb. 6			
EUR		eP	09 48 09
Feb. 6			
COL		iP	10 06 04
EUR		iP	10 10 01

Date and Station		Phase	(GCT) h m s
Feb. 6			
EUR		iP	11 19 36
		i	19 38
		i(S)	20 03
HH		eP	11 24 11
Feb. 6			
EUR		iP	12 51 20
Feb. 6			
EUR		eP	13 19 35
HH		iP	13 20 16
Feb. 6			
HH		eP	14 16 04
Feb. 6			
BC		iP	15 54 18
		e(S)	54 57
		eL	55 25
TUC		eP	15 54 44
		e(S)	55 38
		eL	55 48
Feb. 6			
EUR		eP	16 30 29
Feb. 6			
BOZ		eP	17 15 07
EUR		eP	17 14 34
HH		e(P)	17 15 15
		e	15 33
		i	17 25
Feb. 6			
EUR		iP	17 25 55
Feb. 6			
COL		iP	19 08 31
EUR		eP	19 09 31
HH		e(P)	19 09 38
Feb. 6			
TUC		e(P)	20 03 22
		e	03 38
Feb. 6			
COL		iP	22 31 47
		epP	33 59
EUR		iP	22 31 27
HH		eP	22 31 54
Feb. 7			
BC		e(P)	02 17 55
		e	18 02
		eS	18 15
		eL	19 18

Date and Station		Phase	(GCT) h m s
EUR		eP	02 18 19
		i	18 39
		iS	19 58
TUC		e(P)	02 18 42
Feb. 7			
BC		e(P)	03 17 33
		i	17 43
		iS	18 28
		eL	19 17
BOZ		eP	03 19 43
EUR		iP	03 18 00
		i	18 19
		iS	19 29
		iL	19 47
HH		eP	03 20 03
		eL	24 12
SJ		i(P)	03 25 32
SLC		eP	03 19 16
		i	21 15
TUC		e(P)	03 18 19
		e	18 48
		e(S)	19 45
		eL	20 09
Feb. 7			
EUR		eP	06 52 14
HH		e(P)	06 52 33
		e	55 07
Feb. 7			
BH		eP	07 04 29
EUR		iP	07 12 11
SJ		eP	07 07 11
TUC		e(P)	07 11 14
Feb. 7			
HH		e(P)	09 50 54
Feb. 7			
EUR		eP	11 47 41
Feb. 7			
HH		e(P)	11 56 36
Feb. 7			
EUR		iP	12 48 45
Feb. 7			
COL		eP	13 33 58
		i	34 43
Feb. 7			
COL		iP	14 21 53
Feb. 7			
BC		eP	17 04 35

Date and Station		Phase	(GCT) h m s
BOZ		eP	17 02 51
EUR		eP	17 03 10
HH		eP	17 02 08
		eL	05 14
Feb. 7			
EUR		eP	17 42 37
		e	42 34
HH		eP	17 41 34
		e	45 14
Feb. 7			
COL		iP	18 00 02
HH		eP	17 58 25
Feb. 7			
HH		eP	19 01 57
Feb. 7			
HH		eP	19 11 35
Feb. 7			
HH		e(P)	19 58 15
Feb. 7			
HH		eP	20 36 34
Feb. 7			
EUR		eP	21 11 55
Feb. 7			
HH		eP	22 49 22
Feb. 7			
EUR		eP	23 47 48
Feb. 7			
EUR		eP	23 56 52
Feb. 8			
COL		eP	01 51 24
HH		e(P)	01 54 00
Feb. 8			
EUR		e(P)	02 03 09
Feb. 8			
COL		iP	03 37 47
EUR		iP	03 40 53
Feb. 8			
EUR		iP	04 10 38
Feb. 8			
COL		iP	05 23 58
Feb. 8			
HH		e(P)	07 49 50
Feb. 8			
EUR		eP	08 56 43

Date and Station		Phase (GCT)
		h m s
Feb. 8		
EUR	eP	10 46 37
Feb. 8		
COL	eP	13 34 10
Feb. 8		
HH	e(P)	17 55 02
Feb. 8		
HH	eP	18 46 41
Feb. 8		
EUR	eP	19 14 23
Feb. 8		
HH	e(P)	19 47 54
	i	48 00
Feb. 8		
HH	e(P)	20 36 16
Feb. 8		
COL	iP	21 57 54
HH	eP	22 01 14
	e	02 33
Feb. 8		
EUR	iP	23 16 28
	i	17 02
Feb. 8		
EUR	eP	23 45 38
Feb. 9		
BOZ	eP	00 59 17
	e(S)	01 01 03
	eL	01 13
BUT	eP	00 59 02
	eS	01 00 37
	eL	00 48
COL	iP	01 02 03
EUR	iP	00 59 45
	i	01 02 40
HH	eP	00 58 38
	i	58 47
	i	59 00
	i(S)	59 58
	iL	01 00 12
SLC	eP	01 00 57
	eL	02 48
TUC	eP	01 01 30
Feb. 9		
HH	e(P)	01 30 17
	eL	31 35
Feb. 9		
COL	eP	02 17 37
EUR	iP	02 21 12
	e	22 15

Date and Station		Phase (GCT)
		h m s
HH	e(P)	02 20 57
Feb. 9		
COL	iP	06 07 17
Feb. 9		
EUR	eP	06 52 44
HH	eP	06 53 01
Feb. 9		
BH	iP	07 33 32
	eS	34 29
BC	eP	07 40 1[illegible]
	e	40 34
BOZ	eP	07 40 53
BUT	eP	07 41 03
COL	eP	07 44 02
EUR	iP	07 40 41
HH	iP	07 41 19
SLC	eP	07 40 28
SJ	iP	07 37 03
TUC	eP	07 39 37
Feb. 9		
BOZ	eP	08 34 36
	eL	38 53
BUT	eP	08 34 33
	eL	38 16
COL	eP	08 35 11
EUR	eP	08 34 50
	i	35 10
HH	eP	08 34 05
	e	36 39
	eL	37 01
SLC	eP	08 35 21
TUC	eP	08 36 39
Feb. 9		
EUR	eP	08 40 50
Feb. 9		
EUR	iP	08 48 54
Feb. 9		
COL	eP	10 28 30
HH	eP	10 31 05
Feb. 9		
EUR	eP	10 55 52
HH	e(P)	10 55 17

Date and Station		Phase (GCT)
		h m s
Feb. 9		
BOZ	e(P)	11 05 22
	eP	05 25
	eS	06 05
	eL	06 13
HH	e(P)	11 06 01
	e(S)	07 28
	eL	07 46
SLC	eP	11 05 43
	eL	06 59
Feb. 9		
HH	e(P)	11 28 16
Feb. 9		
BOZ	eP	11 39 28
BUT	iP	11 38 56
EUR	iP	11 38 36
HH	e(P)	11 37 56
	e	38 02
	eL	39 04
Feb. 9		
COL	eP	12 59 45
	i	13 00 14
Feb. 9		
BC	iP	14 17 33
	e	17 52
	e	18 50
BOZ	eP	14 20 00
	e	20 14
BUT	eP	14 19 57
EUR	iP	14 18 21
	i	20 36
HH	e(P)	14 20 22
TUC	eP	14 17 31
	i	17 44
Feb. 9		
BH	eP	14 40 24
BC	iP	14 33 46D
BOZ	iP	14 36 08C
	iS	38 59
	iL	39 14
BUT	eP	14 36 10D
	iP	36 11
	iS	39 10
	iL	39 32
CHI	iP	14 38 04N,W
	i	38 41
	iS	42 24
	iL	42 56

Date and Station		Phase (GCT)
		h m s
COL	iP	14 40 03D
COLU	iP	14 38 43C
	eS	43 41
	eL	45 14
EUR	iP	14 34 35D
HONO	eP	14 40 08
	eS	46 11
	eL	49 12
T_S = 6 sec. A = 2mm.		
T_L = 8 sec. $A_{max.}$=21mm.		
HH	iP	14 36 37D
	i	36 48
	i	37 10
	iS	39 56
	iL	41 09
PHIL	eP	14 39 25
	e	40 20
	e	43 00
	iS	44 49
	eL	46 34
RC	iP	14 36 28
	eS	39 38
	iL	40 54
SLC	iP	14 35 03D
	iS	36 54
	iL	37 07
SJ	eP	14 41 10C
	i	41 19
	ePP	43 13
	ePPP	43 40
	e	44 20
	iS	48 00
	iScS	51 09
	iL	51 51
SIT	e(P)	14 39 04
	ePP	39 38
	eS	43 30
	iS	43 44
	iL	44 40
TUC	iP	14 33 43C
UK	eP	14 35 08
	iS	37 00
	iL	37 36
WASH	iP	14 39 12D
	iS	44 26
	eL	47 32
Feb. 9		
BC	eP	15 02 45
	e	03 03
	e	04 02
EUR	iP	15 03 32

Date and Station		Phase (GCT) h m s
TUC	eP	15 02 38
Feb. 9		
BC	iP	15 25 34
BOZ	eP	15 27 55
	eS	30 45
	eL	30 57
BUT	iP	15 27 58
	e(S)	30 59
	eL	31 54
COL	iP	15 31 50
COLU	iP	15 30 30
HONO	eP	15 31 57
HH	iP	15 28 24
	eS	31 42
	iS	31 48
	iL	33 00
RC	eP	15 28 18
	eS	31 26
	iS	31 50
	eL	32 50
SLC	iP	15 26 50
	eS	29 01
	eL	29 21
SJ	iP	15 33 00
TUC	eP	15 25 32
Feb. 9		
BOZ	eP	15 44 33
EUR	iP	15 43 04
HH	eP	15 44 55
TUC	eP	15 42 18
Feb. 9		
BOZ	eP	15 48 39
EUR	iP	15 46 59
HH	eP	15 49 01
Feb. 9		
EUR	iP	16 13 15
TUC	e(P)	16 12 35
Feb. 9		
BC	iP	16 31 03
BOZ	eP	16 33 26
	e(S)	36 27
	eL	37 13
BUT	eP	16 33 28
	e(S)	36 46
	eL	37 27

Date and Station		Phase (GCT) h m s
COL	iP	16 37 20
COLU	eP	16 35 58
	eL	45 20
EUR	iP	16 31 53
HH	iP	16 33 54
	eL	38 33
RC	eP	16 33 44
	eL	38 14
SLC	eP	16 32 20
	eL	34 51
TUC	eP	16 30 58
Feb. 9		
EUR	eP	16 42 55
TUC	e(P)	16 42 14
Feb. 9		
BC	iP	17 01 01
	i	01 20
	iL	02 18
BOZ	eP	17 03 23
	eL	07 08
BUT	eP	17 03 25
	eL	07 46
COL	iP	17 07 17
EUR	iP	17 01 50
HH	iP	17 03 52
	e(S)	07 01
	eL	08 43
RC	eP	17 03 42
	eL	08 22
SLC	eP	17 02 18
	eL	05 11
TUC	eP	17 01 03
Feb. 9		
BC	e(P)	17 08 50
Feb. 9		
BC	eP	17 24 23
	i	24 41
	iL	25 40
BOZ	eP	17 26 51
EUR	iP	17 25 12
HH	eP	17 27 15
SLC	eP	17 25 40
	eL	28 51
TUC	eP	17 24 27

Date and Station		Phase (GCT) h m s
Feb. 9		
HH	iP	17 36 40
	i	39 06
Feb. 9		
EUR	iP	17 43 50
TUC	e(P)	17 43 04
Feb. 9		
BC	e(P)	17 51 44
BOZ	eP	17 54 10
HH	eP	17 54 32
Feb. 9		
HH	e(P)	18 47 58
Feb. 9		
BC	iP	18 49 52
	iL	51 06
BOZ	eP	18 52 14
	eS	55 05
	eL	55 25
BUT	iP	18 52 15
	eS	55 31
	eL	56 33
COLU	eP	18 54 49
	eL	19 04 16
EUR	iP	18 50 41
HH	eP	18 52 39
	iP	52 42
	eL	57 45
RC	eP	18 52 32
	eL	57 02
SLC	eP	18 51 08
	eS	53 17
	eL	53 53
TUC	eP	18 49 50
	i	50 09
	i(S)	51 19
	eL	52 51
Feb. 9		
WASH	eP	19 05 34
Feb. 9		
HH	e(P)	19 22 14
Feb. 9		
HH	e(P)	19 29 25
Feb. 9		
COL	iP	19 49 13
	iS	49 40
	eL	49 47
Feb. 9		
HH	e(P)	19 46 58

Date and Station		Phase (GCT) h m s
Feb. 9		
BC	eP	21 08 17
EUR	iP	21 09 05
HH	e(P)	21 11 07
TUC	eP	21 08 22
	iL	09 54
Feb. 9		
EUR	eP	21 21 01
Feb. 9		
EUR	iP	21 39 02
Feb. 9		
COL	iP	21 45 41
EUR	eP	21 45 10
Feb. 9		
BC	eP	22 07 47
	e	08 10
COL	iP	22 04 34
EUR	iP	22 07 31
	i	07 45
HH	iP	22 07 07
TUC	eP	22 08 26
Feb. 9		
EUR	iP	22 08 58
Feb. 9		
COLU	eP	22 26 07
Feb. 9		
EUR	eP	22 58 24
Feb. 9		
BC	eP	23 10 57
COL	iP	23 06 57
EUR	iP	23 10 36
HH	eP	23 10 01
Feb. 9		
BC	eP	23 26 44
COL	iP	23 31 15
	i	31 23
HH	eP	23 28 07
Feb. 9		
BC	iP	23 56 52
	i	56 59
BUT	eP	23 57 57
COL	iP	00 01 29

Date and Station		Phase (GCT)
		h m s
COLU	eP	23 56 48
EUR	iP	23 57 22
HH	eP	23 58 19
SLC	eP	23 57 14
TUC	e(P)	23 56 06
Feb. 10		
BOZ	e(P)	00 09 09
EUR	iP	00 07 27
	iL	09 45
HH	eP	00 09 30
SLC	eP	00 07 57
	eL	10 41
TUC	e(P)	00 06 42
	i	06 58
	eL	08 14
Feb. 10		
BOZ	eP	00 14 19
BUT	eP	00 14 13
COL	iP	00 11 23
	ipP	11 40
	iPP	13 16
EUR	iP	00 14 07
	i	14 32
HH	iP	00 14 00
	ipP	14 16
	ePP	16 43
SLC	eP	00 14 33
Feb. 10		
EUR	iP	00 34 24
HH	e(P)	00 36 24
Feb. 10		
EUR	iP	00 53 18
SLC	e(P)	00 57 03
Feb. 10		
EUR	eP	01 26 25
Feb. 10		
EUR	eP	02 05 43
Feb. 10		
COL	eP	02 54 48
EUR	iP	02 55 18
HH	e(P)	02 57 39
SLC	eP	02 57 44

Date and Station		Phase (GCT)
		h m s
Feb. 10		
EUR	iP	03 59 01
	iL	04 01 30
Feb. 10		
BC	e(P')	04 11 31
COLU	iP'	04 12 15
EUR	iP'	04 11 31
	i(PP)	14 37
HH	iP'	04 11 23
	e	12 05
	e(PP)	14 27
Feb. 10		
BC	iP	04 19 27
	iL	20 48
BOZ	eP	04 21 42
	e	21 56
BUT	eP	04 21 56
COL	iP	04 22 11
EUR	iP	04 20 15
	i	22 41
HH	eP	04 22 18
SLC	eP	04 20 42
	eL	23 38
TUC	eP	04 19 20
	e	19 35
	i(S)	20 39
	eL	21 10
Feb. 10		
HH	eP	04 42 38
Feb. 10		
EUR	iP	05 57 53
	i	58 25
	eL	59 40
Feb. 10		
EUR	iP	06 43 30
Feb. 10		
EUR	eP	06 54 43
	e	55 15
Feb. 10		
BC	eP	07 34 54
	iL	36 17
BOZ	e(P)	07 37 22
HH	eP	07 37 47
TUC	eP	07 34 48
	i(S)	36 09
	eL	36 43

Date and Station		Phase (GCT)
		h m s
Feb. 10		
EUR	iP	08 06 24
Feb. 10		
EUR	eP	09 14 49
Feb. 10		
COL	iP	10 03 55
	e	04 12
Feb. 10		
EUR	eP	10 38 29
Feb. 10		
EUR	iP	10 53 36
Feb. 10		
BC	eP	11 42 18
EUR	iP	11 43 07
TUC	e(P)	11 42 18
Feb. 10		
EUR	iP	12 32 16
Feb. 10		
BOZ	eP	12 49 39
Feb. 10		
COL	iP	12 51 45
	i(pP)	52 36
	e	53 46
EUR	iP	12 48 56
	e(PcP)	49 52
HH	eP	12 49 34
SJ	eP	12 45 06
	i	45 59
TUC	e(P)	12 46 36
Feb. 10		
BOZ	e(P)	13 45 56
EUR	iP	13 44 16
Feb. 10		
BC	eP	13 53 18
BOZ	eP	13 53 55
BUT	eP	13 54 04
COL	iP	13 56 25
EUR	iP	13 53 36
HH	eP	13 54 14
SLC	eP	13 53 29
SJ	iP	13 49 47
TUC	e(P)	13 53 43

Date and Station		Phase (GCT)
		h m s
Feb. 10		
BC	iP	14 31 20
	iL	32 35
BOZ	eP	14 33 47
EUR	iP	14 32 08
HH	eP	14 34 09
SLC	eP	14 31 58
	eL	34 40
TUC	eP	14 31 18
	e(S)	32 46
	eL	33 33
Feb. 10		
COL	iP	14 54 39
Feb. 10		
BC	eP	15 10 39
	iL	12 03
BOZ	eP	15 13 08
EUR	iP	15 11 27
HH	eP	15 13 29
SLC	eP	15 12 00
	eL	14 49
TUC	eP	15 10 37
Feb. 10		
HH	e(P)	15 56 04
Feb. 10		
EUR	eP	16 22 54
	e(S)	24 45
	eL	25 13
Feb. 10		
EUR	eP	16 33 09
Feb. 10		
EUR	eP	17 00 50
Feb. 10		
BC	iP	18 14 02
	iL	15 25
BOZ	eP	18 16 25
	eS	19 19
	eL	19 35
BUT	eP	18 16 26
	eS	19 31
	eL	20 04
COL	iP	18 20 19
	eL	33 04
COLU	eP	18 19 01
	eL	27 44
EUR	iP	18 14 50

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Date and Station		Phase (GCT)
		h m s
HH	iP	18 16 52
	eL	21 55
RC	eP	18 16 42
	e(S)	20 10
	eL	21 16
SLC	eP	18 15 19
	iP	15 21
	eS	17 35
	eL	17 49
SJ	eP	18 21 28
TUC	iP	18 14 02
	i	14 20
	e(S)	15 04
	eL	16 13
Feb. 10		
COL	eP	18 52 02
	i	52 09
	i	52 20
HH	e(P)	18 54 18
SJ	eP'	18 59 52
TUC	e(P)	19 02 44
Feb. 10		
EUR	iP	19 21 08
Feb. 10		
COL	iP	19 29 53
Feb. 10		
BOZ	eP	20 00 55
Feb. 10		
HH	i(P)	22 42 34
Feb. 10		
HH	e(P)	23 11 50
Feb. 10		
EUR	iP	23 31 05
	e	32 04
	i	34 13
HH	e(P)	23 33 41
Feb. 11		
HH	e(P)	00 24 51
Feb. 11		
COL	iP	01 49 25
EUR	eP	01 40 00
TUC	eP	01 39 04
Feb. 11		
HH	e(P)	02 36 30
Feb. 11		
BOZ	e(P)	03 01 17
	eP	01 23
	eL	05 32

Date and Station		Phase (GCT)
		h m s
BUT	eP	03 01 05
	eL	04 37
EUR	iP	02 59 44
	i	03 00 17
	i	00 43
	iL	01 57
HH	eP	03 01 44
	eL	06 54
SLC	eP	02 59 46
	eS	03 01 23
	eL	01 43
TUC	eP	02 58 52
	i	59 03
	e(S)	59 37
	iL	03 00 24
Feb. 11		
COL	eP	03 15 57
	i	16 00
	iS	18 03
	i	18 20
HH	eP	03 19 50
Feb. 11		
HH	eP	04 43 20
Feb. 11		
BOZ	eP	05 22 44
EUR	iP	05 21 05
	i	23 09
	i(S)	23 34
	iL	23 51
HH	eP	05 23 08
SLC	eP	05 21 35
	e(S)	23 31
	eL	23 47
SJ	e(P)	05 27 17
TUC	eP	05 20 12
	iL	21 32
Feb. 11		
COL	eP	05 52 12
	e	52 41
	e	55 30
	iPP	56 08
EUR	eP'	05 57 49
	iP'	58 05
HH	e(P)	05 56 10
	eP'	57 47
	ePP	59 06
SJ	eP'	05 58 33
	i	58 49
TUC	eP'	05 58 14
	e(PKS)	06 01 36

Date and Station		Phase (GCT)
		h m s
Feb. 11		
BOZ	eP	06 15 02
COL	eP	06 18 52
EUR	iP	06 13 22
HH	eP	06 15 22
SLC	eP	06 13 52
	eL	16 50
TUC	eP	06 12 31
	eL	13 59
Feb. 11		
BOZ	eP	06 28 02
	eL	32 33
BUT	eP	06 28 02
	e(S)	31 12
	eL	31 40
COL	eP	06 31 55
COLU	eP	06 30 34
	eL	42 02
EUR	iP	06 26 27
HH	eP	06 28 28
	eL	33 28
SLC	eP	06 26 57
	e(S)	28 38
	eL	29 04
TUC	eP	06 25 32
	i	25 51
	e(S)	26 25
	iL	26 54
Feb. 11		
EUR	iP	09 02 42
TUC	eP	09 02 52
Feb. 11		
EUR	iP	09 05 06
Feb. 11		
COL	iP	10 19 45
Feb. 11		
BOZ	eP	10 53 29
EUR	iP	10 53 44
HH	eP	10 53 04
SLC	eP	10 53 52
Feb. 11		
TUC	eP	11 02 12
	e	02 27
	eL	03 30
Feb. 11		
EUR	eP	12 53 37

Date and Station		Phase (GCT)
		h m s
Feb. 11		
EUR	eP	13 29 34
Feb. 11		
EUR	iP	14 33 38
Feb. 11		
BOZ	eP	17 02 42
HH	eP	17 03 04
SLC	eP	17 01 32
	eL	04 01
TUC	eP	17 00 11
	i	00 22
	e(S)	00 58
	eL	01 52
Feb. 11		
HH	eP	17 13 21
Feb. 12		
HH	e(P)	03 51 06
Feb. 12		
COL	eP	06 55 33
	i	57 05
Feb. 12		
COL	iP	07 32 22
Feb. 12		
COL	iP	07 41 16
Feb. 12		
HH	eP	09 16 31
Feb. 12		
COL	iP	10 05 26
Feb. 12		
BC	eP	12 03 32
	i	03 44
	e	06 44
BOZ	eP	12 03 14
	ePKKP	19 25
BUT	eP	12 03 10
	iPP	06 49
	i	07 45
	iS	14 28
	iPS	14 57
	i	15 24
	ePPS	17 10
	ePKKP	19 19
	eSS	21 14
	eSSS	25 50
	eL	31 24
CHI	ePP	12 08 59
	ePPS	18 39
	eSS	25 08
	eL	42 19
COL	iP	12 00 59
	e	06 38

Date and Station		Phase (GCT)
		h m s
COL	iS	12 10 33
	e	12 15
	eL	19 16
COLU	eP'	12 08 22
	ePP	09 56
	ePS	20 15
	e(SS)	25 16
	eL	48 00
HONO	iP	12 01 14
	i	01 27
	eS	11 08
	eSS	16 32
	eL	22 12
HH	iP	12 03 00
	i	03 12
	e	06 00
	e	06 18
	ePP	07 09
	e	07 26
	e	08 22
	eSKS	13 39
	eS	14 02
	e	14 30
	e	14 58
	ePKKP	19 32
	iPKKP	19 38
	eP'P'	27 43
PHIL	ePP	12 04 32
	e(SS)	27 09
	eL	13 00 09
SLC	eP	12 03 26
	ePKKP	19 18
SJ	eP'	12 08 52
TUC	e(P)	12 04 04
	ePKKP	19 10
WASH	eP'	12 09 27
Feb. 12		
COL	iP	12 10 01
Feb. 12		
COL	iP	12 12 56
Feb. 12		
COL	iP	12 20 25
HH	e(P)	12 22 28
Feb. 12		
COL	iP	12 29 11
HH	eP	12 31 12
Feb. 12		
COL	eP	15 14 09
Feb. 12		
COL	iP	17 42 40
Feb. 12		
COL	eP	19 51 55

Date and Station		Phase (GCT)
		h m s
HH	eP	19 53 57
Feb. 12		
COL	eP	19 59 53
Feb. 12		
COL	iP	20 03 05
HH	eP	20 05 04
Feb. 12		
EUR	eP	20 58 07
Feb. 12		
HH	i(P)	23 10 59
Feb. 13		
EUR	eP	00 46 56
Feb. 13		
BC	iP	01 16 14
	e	16 20
BOZ	eP	01 17 17
EUR	iP	01 16 43
	i	17 25
HH	iP	01 17 32
TUC	eP	01 16 15
Feb. 13		
COL	iP	01 53 56
	epP	55 22
HH	eP	01 55 58
	e	57 23
Feb. 13		
COL	iP	01 58 42
HH	e(P)	02 00 43
Feb. 13		
COL	iP	02 00 01
HH	eP	02 02 02
Feb. 13		
COL	iP	02 23 47
HH	e(P)	02 25 49
Feb. 13		
COL	eP	02 55 24
HH	e(P)	02 57 25
Feb. 13		
COL	iP	03 56 22
	e	57 20
HH	iP	03 58 23
Feb. 13		
HH	e(P)	06 41 35

Date and Station		Phase (GCT)
		h m s
Feb. 13		
COL	iP	07 15 22
Feb. 13		
BC	eP	07 45 01
	e	45 20
EUR	eP	07 46 19
	epP	46 55
TUC	eP	07 45 25
	e	45 38
Feb. 13		
EUR	iP	07 54 01
Feb. 13		
COL	iP	08 17 55
HH	eP	08 19 55
Feb. 13		
COL	eP	08 30 35
HH	eP	08 32 37
Feb. 13		
COL	iP	08 44 13
HH	eP	08 46 14
Feb. 13		
COL	eP	11 55 24
Feb. 13		
BC	eP	12 01 05
COL	iP	11 57 14
	e	58 29
EUR	iP	12 01 10
HH	e(P)	12 00 22
SLC	eP	12 01 21
Feb. 13		
EUR	eP	12 08 36
Feb. 13		
COL	iP	13 20 57
EUR	iP	13 24 53
Feb. 13		
COL	iP	14 32 30
	i	32 54
	i	34 04
EUR	iP	14 34 53
HH	eP	14 34 31
Feb. 13		
COL	iP	14 35 50
	eScP	40 46
HH	eP	14 38 50
	iPcP	39 36

Date and Station		Phase (GCT)
		h m s
Feb. 13		
EUR	iP	14 54 23
TUC	eP	14 54 31
Feb. 13		
BC	eP	15 39 14
BOZ	eP	15 41 33
	ePcP	43 12
BUT	eP	15 41 42
COL	iP	15 44 19
	ipP	44 38
	i	45 23
COLU	eP	15 37 46
	e	38 25
	eS	41 06
	iL	41 11
EUR	iP	15 41 47
	ipP	42 03
HH	iP	15 41 55
SLC	eP	15 41 24
	ipP	41 42
SJ	iP	15 33 29
	i	33 36
	iL	33 56
TUC	eP	15 41 08
	epP	41 22
WASH	eP	15 38 11
	eS	42 17
Feb. 13		
BOZ	eP	15 53 40
COL	iP	15 57 16
	ipP	58 03
	eL	16 03 45
HH	eP	15 54 07
TUC	eP	15 52 02
Feb. 13		
COL	iP	18 09 37
EUR	iP	18 13 09
Feb. 13		
EUR	iP	18 55 12
Feb. 13		
EUR	eP	20 01 25
Feb. 13		
EUR	eP	20 17 24
TUC	e(P)	20 16 54

Date and Station		Phase	(GCT) h m s
Feb. 13			
EUR		eP	20 30 34
HH		e(P)	20 30 31
		e	31 15
Feb. 13			
COL		iP	21 02 26
EUR		iP	20 59 36
HH		eP	21 00 12
SJ		eP	20 55 46
Feb. 13			
BC		eP	21 25 17
EUR		iP	21 26 06
		i	27 20
TUC		iP	21 25 11
		iL	26 31
Feb. 13			
COL		iP	22 51 31
HH		iP	22 53 31
Feb. 13			
COL		iP	23 00 24
HH		iP	23 02 24
Feb. 14			
BC		iP	01 05 04
		eScS	16 19
BOZ		eP	01 04 43
		ipP	05 01
BUT		iP	01 04 36
		ipP	04 50
COL		iP	01 01 51
		ipP	02 09
EUR		iP	01 04 30
HH		iP	01 04 24
		ipP	04 41
		isP	04 51
		e(PP)	06 46
SLC		eP	01 04 58
TUC		iP	01 05 28
Feb. 14			
BOZ		eP	01 14 28
COL		eP	01 16 03
HH		eP	01 15 23
Feb. 14			
BC		eP	06 49 00
		i	49 20

Date and Station		Phase	(GCT) h m s
COL		eP	06 53 00
EUR		eP	06 49 49
TUC		eP	06 48 51
		e	49 05
		iL	50 15
Feb. 14			
COL		iP	06 59 58
Feb. 14			
COL		eP	07 21 48
Feb. 14			
EUR		eP	07 37 33
TUC		eP	07 36 34
Feb. 14			
COL		iP	07 49 57
HH		eP	07 51 57
Feb. 14			
COL		iP	08 32 44
EUR		eP	08 35 06
HH		e(P)	08 34 37
Feb. 14			
BC		eP	10 06 09
BOZ		eP	10 05 24
BUT		eP	10 05 26
COL		iP	10 05 11
COLU		eP	10 04 06
EUR		iP	10 06 00
HH		iP	10 05 20
SLC		iP	10 05 43
TUC		eP	10 06 09
Feb. 14			
COL		iP	12 29 24
Feb. 14			
COL		iP	12 45 28
EUR		eP	12 47 50
HH		iP	12 47 29
Feb. 14			
BOZ		eP'	12 53 06
COL		iP	12 46 47
		ePcP	47 03
		iPcP	47 04
		e(S)	56 20
		e	57 48
		eL	18 28

Date and Station		Phase	(GCT) h m s
EUR		eP	12 49 08
HH		eP	12 48 48
Feb. 14			
COL		eP	12 55 37
Feb. 14			
HH		e(P)	13 53 26
Feb. 14			
EUR		eP	14 06 56
Feb. 14			
EUR		eP	14 45 31
Feb. 14			
BC		iP	14 46 44
		iS	47 04
		iL	47 56
BOZ		e(P)	14 49 13
		eL	52 06
BUT		eP	14 49 12
EUR		iP	14 47 33
		i	48 11
		iL	49 49
HH		eP	14 49 35
		e	50 03
SLC		eP	14 48 01
		eL	50 28
TUC		iP	14 46 35
		e(S)	47 36
		iL	47 56
Feb. 14			
EUR		eP	17 56 37
Feb. 14			
BC		iP	18 34 46
BOZ		eP	18 37 09
		iP	37 10
		eS	39 56
		iL	40 08
BUT		eP	18 37 08
		iP	37 10
		iS	39 58
		iL	40 04
CHI		eP	18 38 56
		eS	43 20
		iS	43 31
		eL	44 56
COL		eP	18 41 03
		iP	41 04
		i	41 25
		i	41 57
		eS	47 06
		eL	50 08

Date and Station		Phase	(GCT) h m s
COLU		iP	18 39 39
		ePP	40 33
		eS	44 26
		eL	45 10
EUR		iP	18 35 35
		iL	39 46
HONO		e(P)	18 41 10
		eS	47 09
		eL	51 20
T_L = 8 sec. $A_{max.}$ = 3mm.			
HH		iP	18 37 37
		i	38 09
		e(S)	41 00
		eL	41 33
PHIL		eP	18 40 21
		ePP	41 18
		iS	45 48
		eL	49 26
		iL	51 21
RC		iP	18 37 25
		iS	40 43
		iL	42 01
SLC		eP	18 36 01
		iP	36 03
		eS	37 55
		eL	38 04
SJ		iP	18 42 06
		eS	48 57
		e	50 22
		e(SS)	52 41
		eL	53 39
SIT		iP	18 39 40
		ePP	40 40
		ePcP	42 20
		eS	44 26
		iS	44 34
		iL	46 59
TUC		iP	18 34 37
WASH		eP	18 40 08
		ePP	41 08
		eS	45 28
		eL	48 52
		iL	50 48
Feb. 14			
EUR		eP	18 57 28
TUC		eP	18 56 32
Feb. 14			
COL		iP	19 06 52
HH		eP	19 08 53
Feb. 14			
EUR		iP	19 31 07
Feb. 14			
BC		eP	21 20 18

Date and Station		Phase (GCT)
		h m s
COL	iP	21 16 44
	i	17 04
EUR	eP	21 20 00
HH	iP	21 19 31
Feb. 14		
BC	eP	21 58 45
	i	58 47
	e	59 02
COL	iP	21 54 51
EUR	iP	21 58 21
HH	e(P)	21 57 50
	iPcP	59 51
SLC	e(P)	21 58 26
Feb. 14		
COL	iP	22 02 22
EUR	iP	22 03 44
HH	eP	22 03 29
TUC	e(P)	22 08 13
Feb. 14		
EUR	iP	22 23 29
Feb. 15		
EUR	eP	00 47 57
Feb. 15		
BC	eP	01 21 48
	i	21 50
BOZ	iP	01 24 12
	i	24 19
	i	25 07
	eL	28 02
	iL	28 24
BUT	iP	01 24 13
	iS	27 03
	iL	27 11
CHI	eP	01 26 00
	eS	30 22
	iS	30 36
	eL	31 58
COL	iP	01 28 07
	ePP	29 26
	ePcP	30 02
	eS	34 12
	eL	37 16
COLU	iP	01 26 41
	iPP	27 31
	eS	31 33
	eL	32 25
EUR	eP	01 22 37
	iP	22 39
	iL	24 46

Date and Station		Phase (GCT)
		h m s
HONO	eP	01 28 13
	e(S)	34 16
	eL	37 38
T_L = 8 sec. $A_{max.}$=3.5mm.		
HH	iP	01 24 39
	i	24 55
	eS	28 02
	iS	28 06
	eL	28 45
	e(P'P')	59 56
PHIL	eP	01 27 24
	ePP	28 15
	eS	32 48
	eL	35 18
	iL	38 00
RC	iP	01 24 27
	i(S)	27 43
	iL	29 05
SLC	eP	01 23 05
	eS	25 01
	eL	25 07
SJ	eP	01 29 02
	iP	29 08
	ePcP	30 31
	ePP	31 05
	eS	35 59
	e	36 32
	eL	39 28
SIT	e(P)	01 26 42
	ePP	27 48
	e	28 12
	ePcP	29 38
	eS	31 38
	eL	32 31
TUC	eP	01 21 40
	iP	21 41
WASH	iP	01 27 10
	e(S)	31 58
	eL	32 47
	iL	37 21
Feb. 15		
COL	iP	01 42 17
Feb. 15		
COL	iP	01 47 04
EUR	iP	01 46 38
HH	e(P)	01 47 06
Feb. 15		
BC	eP	02 29 49
	i	30 08
BOZ	eP	02 32 13
	eL	36 34
BUT	eP	02 32 13
	eL	36 35
COL	eP	02 36 07

Date and Station		Phase (GCT)
		h m s
EUR	iP	02 30 38
HH	eP	02 32 40
	eL	37 19
SLC	eP	02 31 04
	e(S)	33 07
	eL	33 39
TUC	eP	02 29 39
Feb. 15		
EUR	iP	02 42 12
TUC	eP	02 41 46
Feb. 15		
EUR	iP	03 16 54
HH	e(P)	03 18 56
Feb. 15		
EUR	iP	03 21 43
HH	e(P)	03 23 45
Feb. 15		
EUR	eP	02 23 26
Feb. 15		
EUR	eP	04 18 19
Feb. 15		
EUR	iP	06 02 38
	i	03 14
	i	05 05
Feb. 15		
BC	eP	06 44 50
EUR	eP	06 45 39
TUC	eP	06 44 41
Feb. 15		
BC	eP	07 08 57
BOZ	eP	07 11 26
	eL	15 40
BUT	eP	07 11 27
COL	eP	07 15 16
COLU	eP	07 13 49
EUR	iP	07 09 45
	i	10 22
	iS	11 52
HH	eP	07 11 49
SLC	eP	07 10 11
	eL	12 54
TUC	eP	07 08 48
WASH	eP	07 17 14
	eL	24 41

Date and Station		Phase (GCT)
		h m s
Feb. 15		
COL	iP	07 18 13
HH	eP	07 20 22
	i	20 28
Feb. 15		
COL	eP	07 59 44
Feb. 15		
BC	eP	08 37 05
BOZ	eP	08 39 27
	i	39 33
	eL	43 34
BUT	eP	08 39 29
COL	eP	08 43 22
COLU	e(P)	08 41 56
EUR	iP	08 37 54
	i	38 31
	iS	40 13
	i	40 28
HH	eP	08 39 54
SLC	eP	08 38 20
	eL	41 13
TUC	iP	08 36 55
Feb. 15		
EUR	iP	09 33 31
	i	34 14
	iS	35 55
	iL	36 25
Feb. 15		
COL	iP	09 59 09
Feb. 15		
BC	eP	12 08 19
BOZ	eP	12 07 53
COL	iP	12 04 28
EUR	iP	12 08 00
HH	eP	12 07 28
Feb. 15		
HH	eP	12 31 53
	i	31 59
SLC	eP	12 31 11
Feb. 15		
BC	iP	12 59 56
BOZ	eP	13 00 29
	ipP	01 05
BUT	iP	13 00 34
	ipP	01 10

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Date and Station		Phase	(GCT)
			h m s
COL	iP		13 03 01
	ipP		03 38
COLU	eP		12 57 52
	e(pP)		58 38
EUR	iP		13 00 16
	epP		00 50
HH	iP		13 00 50
	ipP		01 26
SLC	eP		13 00 07
SJ	iP		12 55 52
	e(pP)		56 35
Feb. 15			
HH	e(P)		13 29 18
	e		30 05
Feb. 15			
BOZ	eP		14 11 03
EUR	iP		14 09 25
	i		16 37
Feb. 15			
COL	iP		16 02 07
HH	e(P)		16 03 29
	ePP		07 38
TUC	e(P)		16 03 43
	e		03 58
Feb. 15			
EUR	iP		16 19 02
Feb. 15			
EUR	eP		16 28 32
	i		29 35
Feb. 15			
EUR	eP		16 40 34
Feb. 15			
HH	e(P)		17 51 00
Feb. 15			
BC	eP		18 55 56
BOZ	eP		18 58 27
EUR	iP		18 56 44
	i		57 19
	iL		58 38
HH	eP		18 58 49
SLC	eP		18 57 12
	eL		19 00 22
TUC	iP		18 55 45
	i		56 02
	iL		57 08
Feb. 15			
COL	iP		19 06 36
EUR	e(P)		19 06 02
HH	e(P)		19 06 37
TUC	eP		19 06 09
Feb. 15			
EUR	iP		19 26 30
Feb. 15			
COL	iP		19 35 08
EUR	iP		19 39 06
HH	e(P)		19 38 27
Feb. 15			
EUR	iP		20 37 51
Feb. 15			
BC	eP		20 44 58
BOZ	eP		20 46 06
COL	iP		20 48 30
	eL		21 17 48
EUR	iP		20 45 24
HONO	eS		20 53 39
	eL		21 01 12
T_L = 6 sec. $A_{max.}$=2mm.			
HH	eP		20 46 24
SLC	eP		20 45 27
	i		45 43
TUC	eP		20 44 27
	eS		51 13
	eL		57 59
Feb. 15			
EUR	eP		21 46 02
Feb. 15			
COL	iP		22 30 40
EUR	eP		22 31 00
HH	e(P)		22 31 33
Feb. 15			
EUR	eP		22 41 47
Feb. 15			
BC	eP		23 51 16
	i		51 38
	iL		52 47
EUR	iP		23 52 06
	i		52 42
	iL		54 24
HH	iP		23 54 08
TUC	eP		23 51 05
	i		51 26
TUC	e(S)		23 52 06
	iL		52 28
Feb. 16			
BC	eP		00 30 30
	epP		30 53
BOZ	eP		00 30(21)
BUT	eP		00 30 14
COL	iP		00 27 59
EUR	iP		00 30 17
	ipP		30 50
	iPP		33 28
HH	iP		00 30 05
	i(PcP)		30 20
	ipP		30 34
	iPP		33 04
	eS		40 06
	ePKKP		48 37
SLC	eP		00 30 29
TUC	e(P)		00 30 52
	e		31 03
Feb. 16			
BC	eP		01 31 21
BOZ	eP		01 33 46
EUR	eP		01 32 09
	i		33 02
	i		33 29
	iL		34 31
HH	e(P)		01 34 18
SLC	eP		01 32 38
	eL		35 51
TUC	eP		01 31 12
	iL		32 34
Feb. 16			
COL	iP		02 38 14
Feb. 16			
BC	iP		03 10 53
	i		10 59
COLU	eP		03 10 53
HH	iP		03 12 22
TUC	e(P)		03 09 58
	e		10 03
	i		15 35
Feb. 16			
HH	iP		04 20 22
Feb. 16			
HH	iP		04 44 01
Feb. 16			
BC	eP		05 54 14
	i		54 33
BOZ	eP		05 56 36
	i		56 42
EUR	iP		05 55 03
	i		55 39
	iS		56 38
	iL		57 22
HH	eP		05 57 06
SLC	eP		05 55 32
	e(S)		58 19
	eL		58 28
TUC	eP		05 54 07
	i		54 24
Feb. 16			
BC	eP		08 13 39
	e		13 57
BOZ	eP		18 16 03
	i		16 09
EUR	iP		08 14 28
	i		15 29
	iS		16 00
	iL		16 39
HH	iP		08 16 31
SLC	eP		08 14 59
TUC	eP		08 13 30
	i		13 49
Feb. 16			
COL	iP		13 42 31
Feb. 16			
COL	eP		14 23 34
	e		24 30
Feb. 16			
COL	iP		18 43 58
EUR	iP		18 47 55
HH	e(P)		18 47 15
Feb. 16			
HH	e(P)		20 03 51
Feb. 16			
HH	eP		20 42 11
SLC	eP		20 49 31
Feb. 16			
EUR	iP		23 55 28

Date and Station		Phase (GCT)
		h m s
Feb. 17		
BC	eP	01 14 10
	e	14 30
	iL	15 36
EUR	iP	01 14 58
	iL	17 19
HH	e(P)	01 16 15
TUC	eP	01 14 03
	i	14 17
Feb. 17		
TUC	eP	04 13 38
Feb. 17		
HH	e(P)	06 01 03
Feb. 17		
BC	eP	06 26 45
	eL	28 04
EUR	iP	06 27 34
TUC	eP	06 26 39
	e(S)	27 36
	iL	28 02
Feb. 17		
BUT	eP	08 26 08
Feb. 17		
BC	eP	09 26 14
	e	26 34
	iL	27 36
BOZ	eP	09 28 37
	i	28 42
	eL	32 50
BUT	eP	09 28 38
	eL	32 41
COLU	e(P)	09 31 08
	eL	41 33
EUR	iP	09 27 04
	i	27 40
	i	28 03
	iS	28 32
	iL	29 19
HH	eP	09 29 05
	eL	34 29
SLC	eP	09 27 32
	eL	30 24
TUC	eP	09 26 06
	i	26 08
	i	26 26
Feb. 17		
BC	eP'	10 12 50
	e	13 09
	ePP	14 21
	iPP	14 22

Date and Station		Phase (GCT)
		h m s
BOZ	eP'	10 12 57
	iPP	14 46
	eL	56 09
BUT	eP'	10 12 59
	iPP	14 49
	eL	40 27
COL	iP'	10 13 44
	e	14 30
	ePKS	18 02
	eL	11 03 12
COLU	ePP	10 11 52
	eSKS	18 20
	eS	19 14
	ePPS	20 53
	iPPS	20 54
	eSS	25 21
	eL	42 45
EUR	eP'	10 12 56
HH	iP'	10 13 02
	iPP	15 07
	ePKS	16 17
PHIL	ePP	10 12 09
	eS	19 34
	eSS	26 42
	eL	41 51
SLC	eP	10 12 55
	iPP	14 28
	eL	55 41
SJ	eP	10 06 04
	iP	06 05
	i	06 38
TUC	eP	10 12 41
	ePP	13 46
Feb. 17		
BOZ	e(P)	10 27 25
BUT	eP	10 26 29
Feb. 17		
BC	iP	10 41 14
	i	41 25
	e	41 31
	i	41 35
BOZ	eP	10 43 36
	i	43 41
BUT	eP	10 43 38
EUR	iP	10 42 02
	iL	44 22
HH	eP	10 44 05
SLC	eP	10 42 30
	eL	45 39
TUC	eP	10 41 07
	iL	42 30

Date and Station		Phase (GCT)
		h m s
Feb. 17		
BC	eP	12 03 59
	i	04 18
	i	05 21
EUR	iP	12 04 49
	i	05 25
	iL	07 07
HH	e(P)	12 06 51
TUC	eP	12 03 50
	iL	05 12
Feb. 17		
EUR	eP	13 15 36
Feb. 17		
COL	iP	14 21 50
EUR	iP	14 25 47
HH	e(P)	14 25 07
Feb. 17		
HH	e(P)	14 26 46
Feb. 17		
EUR	eP	15 25 12
	eL	27 22
TUC	eP	15 24 14
	i	24 27
Feb. 17		
HH	e(P)	19 31 27
Feb. 17		
EUR	eP	20 00 44
Feb. 17		
HH	i(P)	20 53 15
Feb. 18		
COL	iP	01 50 21
COLU	iP	01 45 24
	e	45 38
EUR	eP	01 47 27
	iPcP	47 46
HH	eP	01 48 05
SJ	eP	01 43 34
TUC	e(P)	01 45 20
Feb. 18		
EUR	iP	02 57 30
Feb. 18		
EUR	eP	03 52 08
	i	52 41
	eS	53 40
	iL	54 29
TUC	eP	03 52 08

Date and Station		Phase (GCT)
		h m s
TUC	i	03 52 25
Feb. 18		
HH	iP	05 30 46
Feb. 18		
EUR	eP	05 32 43
	i	33 00
	iL	34 42
TUC	eP	05 31 29
	i	31 56
Feb. 18		
HH	e(P)	06 09 41
	e	11 09
	i	14 56
Feb. 18		
BC	iP	07 46 09C
	i	46 10
	e	46 55
	epP	47 51
	iPP	49 37
	i	52 26
	eSKS	55 45
	iSKS	55 48
	iS	55 57
	ePKKP	08 04 13
	iPKKP	04 15
	eP'P'	12 15
	iSKPP'	14 54
	iP'P'P'	32 54
BUT	iP	07 45 48C
	ipP	47 35
	isP	48 18
	i	50 01
	ipPP	50 33
	i(PPP)	51 21
	i	52 20
	e	53 25
	iS	55 13
	iSP	56 09
	i	57 04
	isPS	58 45
	iSS	08 00 49
	esSS	03 29
	ePKKP	04 12
	e	05 37
	eL	07 17
	eP'P'	12 13
	iSKPP'	14 51
	e	35 25
BOZ	iP	07 45 54D
	ipP	47 39
	i(sP)	48 34
	iPP	49 13
	e(pPP)	50 50
	ePPP	51 13
	iS	55 25
	i	56 11
	iSP	56 37
	i(sPS)	58 41
	i	08 00 35
	iSS	00 53
	isSS	03 37

Date and Station		Phase (GCT)
		h m s
BOZ	iPKKP	08 04 17
	iL	07 35
	eP'P'	12 02
	iSKPP'	14 57
	e	26 06
	i(P'P'P')	35 36
CHI	ePP	07 51 04
	iSKS	56 52
	iSKKS	57 16
	iS	57 42
	iSP	58 58
	iPS	59 58
	ePPS	08 00 54
	eSS	04 11
	esSS	07 03
	eSSS	08 14
	eL	14 10
COL	iP	07 43 19C
	i	43 38
	iPcP	44 00
	e	44 20
	epP	44 44
	esP	45 20
	iPP	45 40
	iPPP	46 59
	i	49 53
	iS	50 32
	i	51 38
	iScS	52 15
	isS	53 20
	iSS	54 12
	iSSS	57 08
	iL	59 14
	e	08 12 02
	i	12 26
	iP'P'	13 04
	i	13 16
	iP'P'	13 36
	i(SKPP')	16 52
COLU	eP	07 47 47
	eP'	51 44
	ePP	52 10
	iPP	52 14
	esPP	54 15
	ePPP	54 38
	e	56 22
	iSKS	57 37
	iSKKS	58 22
	iS	59 00
	eSP	08 00 36
	ipS	00 45
	i(PS)	01 17
	iPKKP	03 17
	i	03 36
	eSS	06 36
	esSS	09 17
	eP'P'	11 11
	eSKPP'	14 21
	eL	17 08
EUR	iP	07 45 55C
	iS	55 25
	i	55 58
	isS	58 07
	iPKKP	08 04 22

Date and Station		Phase (GCT)
		h m s
EUR	iP'P'	08 11 04
	iSKPP'	14 53
	iSKPP'	15 04
	i	26 00
	iP'P'P'	32 44
	i	34 37
	i	35 30
HONO	eP	07 43 30
	iPcP	44 27
	ipP	45 12
	isP	46 09
	eScP	47 31
	iS	50 50
	iScS	52 30
	isS	53 38
	i	53 52
	i	54 30
	i	56 07
	iL	57 46
	e(P'P')	08 15 07
	eP'P'P'	33 06
T_L = 15 sec. $A_{max.}$=27mm.		
HH	iP	07 45 37C
	ipP	47 22
	e(PP)	49 13
	epPP	50 06
	iS	54 55
	e(SP)	56 04
	e(PS)	56 21
	i	56 55
	esPS	58 07
	eSS	08 00 54
	iSSS	04 26
	i	11 17
	iP'P'	12 26
	iSKPP'	15 00
	eP'P'P'	32 31
PHIL	ePP	07 51 51
	epPP	53 34
	iSKS	57 22
	iSKKS	58 06
	eS	58 40
	e	59 55
	e(SP)	08 00 49
	esPS	02 55
	i	03 43
	iSS	06 07
	esSS	08 55
	eSSS	10 10
	e	16 10
	e	25 16
RC	eP	07 46 26
	e	47 23
	epP	48 08
	e(sP)	48 55
	ePP	50 11
	iPP	50 23
	epPP	51 43
	ePPP	52 09
	e	54 40
	iSKS	55 59
	iS	56 18
	eSP	57 15
	eSPP	57 55

Date and Station		Phase (GCT)
		h m s
RC	esPS	08 00 13
	eSS	02 23
	eL	09 34
SLC	iP	07 46 06D
	ipP	47 56
	i(PP)	49 21
	ipPP	50 33
	ipPPP	52 26
	iS	55 43
	i(SP)	56 33
	i	57 13
	i	57 22
	isS	58 14
	eSS	08 01 35
	esSS	03 57
	ePKKP	04 17
	iSSS	05 14
	eL	08 01
	e	10 52
	iP'P'	12 16
	iSKPP'	14 56
	e	34 42
SJ	eP'	07 52 25
	iP'	52 32
	ipP'	54 02
	iPP	54 28
	iSKP	55 00
	i(PKS)	55 22
	epPP	55 53
	ePPP	57 18
	eSKS	58 49
	iSKS	58 51
	eSKKS	08 00 31
	i	00 40
	eS	01 35
	eSPP	05 10
	ePPS	06 18
	eSS	11 07
	esSS	13 25
	eSSS	15 47
	eL	27 38
SIT	iS	07 52 02
	i	52 18
	iL	57 47
TUC	iP	07 46 33D
	ipP	48 17
	esP	49 12
	ePP	50 13
	iPP	50 16
	ipPP	51 40
	i	55 12
	iSKS	56 21
	iS	56 44
	iSP	57 54
	i(PS)	59 02
	eSS	08 03 03
	ePKKP	04 03
	eSSS	07 05
	e	10 32
	iP'P'	12 02
	eL	18 04
	eP'P'P'	33 07
UK	e(pP)	07 47 24

Date and Station		Phase (GCT)
		h m s
UK	iS	07 54 44
	e(SP)	55 20
	eL	08 06 12
WASH	iPP	07 51 59
	ipPP	53 31
	ipPPP	55 47
	iSKS	57 25
	iSKKS	58 07
Feb. 18		
COL	iP	08 12 47
	i	13 03
Feb. 18		
BC	e(P)	08 25 54
COL	iP	08 27 01
EUR	iP	08 26 00
HH	iP	08 26 10
SLC	eP	08 25 59
TUC	eP	08 25 45
Feb. 18		
HH	eP	09 19 51
Feb. 18		
COL	eP	10 07 02
Feb. 18		
BC	eP	10 33 46
EUR	iP	10 34 04
HH	eP	10 34 40
SJ	iP	10 30 05
	i(PP)	31 20
TUC	eP	10 33 05
Feb. 18		
TUC	eP	11 21 31
Feb. 18		
HH	eP	12 26 19
Feb. 18		
EUR	iP	15 13 26
	i	14 03
	iL	15 39
HH	e(P)	15 15 27
TUC	eP	15 12 28
	iL	13 27
Feb. 18		
HH	eP	17 19 45
Feb. 18		
COL	eP	17 45 32
Feb. 18		
BC	eP	17 58 23

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Date and Station		Phase (GCT)
		h m s
BC	ePcP	17 58 54
	eScS	18 08 45
COL	iP	18 01 37
EUR	iP	17 58 45
HH	eP	17 59 21
SJ	e(P)	17 54 55
TUC	eP	17 57 48
Feb. 18		
EUR	eP	20 27 22
Feb. 18		
EUR	eP	21 32 29
Feb. 19		
BC	eP	00 00 09
	e	00 19
	eS	01 39
EUR	eP	23 59 51
	i	00 00 07
	i	00 42
	iS	00 53
	iL	01 06
Feb. 19		
BC	e(P)	00 08 21
	e	08 31
EUR	eP	00 07 49
	iP	08 17
	iS	08 53
	iL	09 20
Feb. 19		
EUR	eP	01 43 10
Feb. 19		
BC	eP	01 59 01
	e	59 20
	eL	02 00 19
EUR	iP	01 59 49
	i	02 02 19
Feb. 19		
BC	eP	02 22 32
	iP	22 33C
	eS	25 52
	eL	27 58
BOZ	eP	02 21 28D
	iP	21 31D
	i	21 40
	iS	23 59
	iL	24 17
CHI	eP	02 24 29
	eS	29 25
	eL	30 57
COL	iP	02 21 45D
	i	22 34
	i(S)	24 49

Date and Station		Phase (GCT)
		h m s
COL	iL	02 25 11
COLU	iP	02 25 37C
	ePP	27 12
	ePcP	27 42
	eS	31 36
	iS	31 46
	eL	34 27
	eScS	35 48
EUR	eP	02 21 49C
	iP	21 50C
	i(S)	24 58
	eL	26 54
HONO	eP	02 25 20
	eS	30 54
	eL	33 20
T_L = 8 sec.		$A_{max.}$= 22mm.
HH	iP	02 20 48C
	e(S)	23 05
	eL	23 51
PHIL	ePP	02 27 08
	eS	31 37
	eL	33 58
RC	eP	02 22 41
	iS	26 29
	i	26 39
	iL	28 35
SLC	eP	02 22 04D
	iP	22 05D
	i	23 12
	iS	24 59
	iL	25 20
SJ	iP	02 28 14C
	eS	36 28
	iS	36 32
	eSS	40 28
	eL	43 12
TUC	eP	02 23 23C
	iP	23 24
	eS	27 46
	iS	28 02
	eL	31 04
UK	iP	02 21 20
	iS	24 06
	eL	25 08
Feb. 19		
BC	e(P)	02 44 05
BOZ	e(P)	02 43 02
COL	eP	02 43 22
	i	43 29
EUR	iP	02 43 24
HH	eP	02 42 27
	eL	45 18

Date and Station		Phase (GCT)
		h m s
TUC	e(P)	02 44 56
Feb. 19		
COL	iP	02 48 17
HONO	eP	03 04 06
	eS	04 12
	eL	04 14
Felt: Waikiki		
Feb. 19		
EUR	eP	03 24 50
	iP	25 01
	iL	26 00
Feb. 19		
BC	eP	04 20 03
	iP	20 04
	i	20 15
BOZ	eP	04 19 15
	iPP	20 08
	eS	24 07
	eL	24 45
BUT	iP	04 19 06
	e(S)	24 20
	eL	26 02
COL	iP	04 15 02
	iL	16 59
COLU	iP	04 22 32
	ePcP	23 34
	ePP	24 37
	eS	30 01
	eScS	32 29
	eL	38 35
EUR	iP	04 19 32
	iPP	20 18
	iPcP	22 29
	iScP	26 10
	i	26 50
HONO	eP	04 20 32
	eS	25 55
	eL	28 53
T_L = 10 sec.		$A_{max.}$=2.5mm.
HH	iP	04 18 44
	i	18 58
	eS	23 07
	iScP	25 54
SLC	eP	04 19 42
	e(S)	24 36
	eL	25 46
	eScP	26 14
SJ	iP	04 24 48
TUC	iP	04 20 44
	iPP	22 28
	eS	26 40
	eL	34 03

Date and Station		Phase (GCT)
		h m s
Feb. 19		
BC	eP	04 46 39
COL	iP	04 42 19
EUR	iP	04 46 15
HH	eP	04 45 37
	e	46 58
SLC	eP	04 46 25
Feb. 19		
BC	e(P)	04 52 49
Feb. 19		
EUR	eP	05 01 31
Feb. 19		
COL	eP	05 10 09
EUR	iP	05 13 13
HH	iP	05 12 48
Feb. 19		
BC	eP	05 27 51
COL	iP	05 27 33
	epP	28 19
EUR	iP	05 27 49
Feb. 19		
BOZ	e(P)	05 53 24
COL	iP	05 53 26
EUR	iP	05 52 54
HH	e(P)	05 53 45
TUC	e(P)	05 52 53
Feb. 19		
EUR	iP	06 56 42
Feb. 19		
EUR	eP	10 12 51
Feb. 19		
EUR	eP	12 17 45
Feb. 19		
BC	eP	12 20 00
BOZ	eP	12 20 46
COL	eP	12 24 16
COLU	eP	12 18 46
EUR	iP	12 20 26
HH	eP	12 21 14
SLC	eP	12 20 16

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

Date and Station		Phase (GCT)
		h m s
HH	e(P)	13 03 46
Feb. 21		
BC	eP	13 32 54
BOZ	eP	13 35 22
EUR	iP	13 33 43
	i	46 13
HH	e(P)	13 35 46
Feb. 21		
TUC	eP	17 43 24
Feb. 21		
HH	e(P)	19 24 45
Feb. 21		
BC	eP	20 44 24
COL	iP	20 44 48
	i	45 07
	e	46 11
	ipP	47 01
	iaP	48 16
	eSKS	54 38
EUR	iP	20 44 28
	e	45 32
	ipP	46 38
HH	eP	20 44 56
	iPP	48 42
SLC	eP	20 44 46
	epP	46 58
TUC	iP	20 45 29
Feb. 21		
HH	e(P)	20 54 31
Feb. 21		
COL	iP	22 15 21
Feb. 21		
HH	eP	22 31 29
	i	31 34
SJ	eP	22 24 28
	i	24 38
	i(S)	25 37
	iL	25 42
Feb. 21		
BC	eP	23 01 31
	e	01 53
BOZ	eP	23 04 01
EUR	iP	23 02 20
	i	02 58
	i	04 53
HH	eP	23 04 22
SLC	e(P)	23 02 46
	eL	06 27

Date and Station		Phase (GCT)
		h m s
TUC	eP	23 01 22
	i	01 35
Feb. 21		
COL	iP	23 07 07
EUR	iP	23 09 38
HH	eP	23 08 35
Feb. 21		
HH	e(P)	23 36 28
Feb. 22		
BC	eP	00 18 16
BUT	eP	00 17 05
COL	eP	00 15 22
EUR	iP	00 17 53
HH	eP	00 16 50
SLC	eP	00 17 40
TUC	eP	00 18 34
Feb. 22		
COL	iP	01 44 25
Feb. 22		
BOZ	eP	04 08 30
Feb. 22		
BC	iP	05 28 38
BOZ	eP	05 28 27
COL	eP	05 24 28
	i	24 35
	i	25 00
	i	25 27
	eS	26 33
	eL	27 00
EUR	iP	05 28 24
	iPcP	30 43
HH	iP	05 27 37
	iPcP	30 33
SJ	eP	05 33 26
TUC	iP	05 29 19
Feb. 22		
HH	i(P)	06 02 25
Feb. 22		
EUR	eP	06 11 22
	eL	13 56
Feb. 22		
COL	iP	06 13 07
	i	14 14
	i	14 22

Date and Station		Phase (GCT)
		h m s
Feb. 22		
EUR	eP	07 12 02
Feb. 22		
EUR	iP	08 23 12
	e	24 13
	i	24 59
Feb. 22		
HH	e(P)	09 23 58
Feb. 22		
BC	e(P)	10 08 52
HH	e(P)	10 12 29
TUC	e(P)	10 09 02
Feb. 22		
BC	e(P')	10 19 15
	iP'	19 17
	i	19 20
	e	20 56
BOZ	eP'	10 19 02
	ePP	21 47
COL	eP'	10 18 16
	e	18 45
	e	31 31
	eSS	34 44
	eSSS	38 56
	eL	54 25
EUR	iP	10 19 06
	i	19 19
	i	20 47
	ePP	22 17
	i	24 59
HH	e(P')	10 18 52
	e	21 18
	iPP	21 29
	ePKS	23 06
	e(P'P')	38 03
SLC	e(P')	10 19 11
	ePP	22 25
TUC	e(P')	10 19 21
	iP'	19 27
Feb. 22		
BOZ	eP	12 32 28
Feb. 22		
TUC	e(P)	16 10 43
Feb. 22		
TUC	eP	19 19 43
Feb. 22		
COL	eP	19 37 49
	i	38 03
HH	eP	19 39 37
Feb. 22		
COL	iP	20 39 08

Date and Station		Phase (GCT)
		h m s
EUR	iP	20 42 49
	i	43 04
HH	e(P)	20 42 16
Feb. 22		
COL	iP	21 23 53
EUR	iP	21 27 47
HH	e(P)	21 27 13
SLC	e(P)	21 30 56
Feb. 22		
COL	iP	22 13 33
EUR	iP	22 17 01
HH	eP	22 16 31
Feb. 22		
EUR	iP	22 54 25
Feb. 22		
EUR	iP	23 58 26
HH	eP	00 00 51
Feb. 23		
EUR	e(P)	00 57 45
Feb. 23		
COL	eP	01 07 25
Feb. 23		
BOZ	eP	01 30 32
	i	30 53
	e(S)	38 18
	e(SS)	42 36
	eL	43 29
BUT	iP	01 30 39
	ePP	32 47
	ePPP	33 53
	e(S)	37 32
	eL	45 30
CHI	eP	01 28 19
	eS	34 05
	eL	36 55
COL	iP	01 32 07
	ePPP	34 46
	eS	41 07
	eL	48 40
COLN	iP	01 27 39
	e	28 30
	e	29 23
	eL	35 50
EUR	iP	01 31 07
HH	iP	01 30 43
	ePP	32 41
RC	eP	01 29 51

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

Date and Station		Phase (GCT)
		h m s
EUR	iP	06 01 54
HH	eP	06 02 25
TUC	eP	06 01 52
Feb. 25		
EUR	iP	06 05 48
	i	06 21
	iL	08 07
TUC	eP	06 04 50
	iL	06 04
Feb. 25		
HH	e(P)	07 23 24
Feb. 25		
BC	eP	08 09 59
	e	10 21
	iL	11 13
BOZ	e(P)	08 12 23
	eP	12 30
EUR	iP	08 10 48
	i	11 01
	i	11 45
	iS	12 14
	iL	13 18
HH	e(P)	08 12 53
SLC	eP	08 11 16
	eL	14 25
TUC	eP	08 09 51
	e	10 10
	iL	10 59
Feb. 25		
TUC	eP	12 36 47
Feb. 25		
COL	iP	17 04 41
Feb. 25		
TUC	e(P)	18 49 10
Feb. 25		
COL	eP	19 06 07
Feb. 25		
BOZ	eP	19 50 20
Feb. 25		
TUC	iP	19 53 51
	iL	55 08
Feb. 25		
TUC	e(P)	20 21 20
	e	21 30
	i(S)	22 08
	eL	22 38
Feb. 25		
BC	e(P)	20 51 06

Date and Station		Phase (GCT)
		h m s
BOZ	eP	20 50 24
COL	eP	20 51 45
EUR	iP	20 51 03
HH	eP	20 50 29
Feb. 25		
COL	iP	22 26 06
EUR	eP	22 25 44
HH	e(P)	22 26 13
TUC	eP	22 25 47
	e	28 24
Feb. 25		
BC	eP	22 35 54
	e	36 13
	iL	37 13
EUR	iP	22 36 44
	i	36 50
	i	37 19
	i	37 33
	iS	38 26
	iL	39 08
HH	e(P)	22 38 47
TUC	eP	22 35 46
	i	35 55
	e(S)	36 36
	iL	37 06
Feb. 26		
COL	iP	00 31 40
	i	31 43
	iS	32 11
	iL	32 21
Feb. 26		
HH	e(P)	00 39 47
Feb. 26		
COL	eP	03 39 22
Feb. 26		
COL	eP	04 44 50
	i	45 05
Feb. 26		
COL	eP	05 24 03
EUR	iP	05 27 06
HH	eP	05 26 41
Feb. 26		
BC	iP	05 50 32
	i	50 49
	iL	52 51
BOZ	eP	05 53 02
EUR	iP	05 51 22
	i	52 04

Date and Station		Phase (GCT)
		h m s
EUR	iL	05 53 39
HH	eP	05 53 26
SLC	eP	05 51 48
	eL	54 21
TUC	eP	05 50 26
	i	50 41
	e(S)	51 14
	iL	51 46
Feb. 26		
COL	eP	06 21 15
Feb. 26		
EUR	iP	08 20 44
Feb. 26		
COL	eP	08 49 30
Feb. 26		
HH	e(P)	10 41 38
Feb. 26		
COL	iP	11 46 16
EUR	iP	11 46 36
HH	e(P)	11 46 54
Feb. 26		
COL	eP	13 51 30
Feb. 26		
HH	e(P)	18 32 31
Feb. 26		
COL	iP	18 59 57
Feb. 27		
HH	i(P)	00 31 19
Feb. 27		
EUR	eP	02 47 06
HH	e(P)	02 47 18
	e	47 39
Feb. 27		
BC	eP	03 33 23
COL	iP	03 29 04
EUR	iP	03 33 01
HH	eP	03 32 22
	e	33 43
Feb. 27		
COL	iP	04 18 45
	i	20 10
Feb. 27		
BC	eP	05 41 23
	i	41 26
	i	42 09
	iL	42 33

Date and Station		Phase (GCT)
		h m s
BOZ	eP	05 43 46
BUT	eP	05 43 43
EUR	eP	05 42 15
	iP	42 18
	i	43 12
	i	43 36
	iS	43 51
	iL	44 59
HH	eP	05 44 14
SLC	eP	05 42 46
	eL	45 44
TUC	eP	05 40 52
	i	41 05
	i	41 09
	i(S)	41 52
	eL	42 24
Feb. 27		
EUR	eP	06 58 24
TUC	e(P)	06 56 48
	i(S)	57 46
	iL	58 34
Feb. 27		
BC	eP	07 13 37
	e	13 56
	i	14 06
	iL	15 25
EUR	eP	07 14 29
	i	15 25
	iL	17 14
TUC	e(P)	07 13 13
	e(S)	14 00
	eL	14 44
Feb. 27		
BC	eP	07 40 33
	iL	42 28
BOZ	e(P)	07 42 52
EUR	eP	07 41 21
	i	42 42
	e	44 03
TUC	e(P)	07 39 34
	e	39 58
	e	40 10
	iL	41 00
Feb. 27		
BC	eP	08 46 01
	epP	46 32
BOZ	eP	08 45 34
	ipP	46 12
BUT	eP	08 45 24

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Date and Station		Phase (GCT) h m s
COL	eP	08 42 12
	i	42 15
	ipP	42 31
	e(PP)	42 53
	iPP	42 59
	eS	45 42
	iS	45 45
	eL	47 40
	eScS	49 15
COLU	eP	08 48 42
EUR	iP	08 45 35
	i	45 56
HH	iP	08 45 07
	i	45 23
	i	47 23
SLC	e(P)	08 45 59
SJ	eP	08 50 32
TUC	eP	08 46 37
Feb. 27		
BC	eP	14 23 21
	e	25 20
COL	iP	14 23 44
	e	25 42
EUR	iP	14 23 25
	i	25 23
HH	iP	14 23 53
Feb. 27		
COL	eP	14 59 15
	i	15 01 31
	e	02 02
	i	04 53
EUR	iP	14 55 39
Feb. 27		
COL	eP	16 18 13
	i	18 46
Feb. 27		
TUC	e(P)	16 25 09
Feb. 27		
COL	eP	20 59 01
Feb. 27		
COL	iP	21 24 35
EUR	iP	21 25 18
	e	25 46
Feb. 27		
BC	e(P)	22 13 58
Feb. 27		
HH	e(P)	22 41 18
Feb. 27		
BC	eP	23 26 49

Date and Station		Phase (GCT) h m s
BC	e	23 27 19
	iL	28 33
EUR	eP	23 27 40
	i	30 35
TUC	e(P)	23 26 20
	i	26 34
	e(S)	27 10
	iL	27 50
Feb. 28		
BC	iP	00 51 57
	e	52 12
BOZ	eP	00 52 04
	i	52 08
BUT	eP	00 52 09
EUR	eP	00 51 55
	i	52 05
HH	eP	00 52 06
	iP	52 14
SLC	iP	00 52 00
TUC	eP	00 51 44
Feb. 28		
HH	e(P)	02 06 53
Feb. 28		
BC	eP	03 58 49
EUR	iP	03 59 27
TUC	eP	03 57 49
Feb. 28		
HH	e(P)	04 45 33
Feb. 28		
EUR	iP	05 25 25
	i	25 48
Feb. 28		
COL	iP	06 02 11
Feb. 28		
COL	iP	06 48 09
	i	48 28
Feb. 28		
EUR	eP	06 59 28
Feb. 28		
EUR	eP	07 30 19
Feb. 28		
COL	iP	08 10 40
EUR	iP	08 14 02
HH	eP	08 13 32
Feb. 28		
HH	eP	10 49 11

Date and Station		Phase (GCT) h m s
Feb. 28		
BC	eP	11 24 52
	e	25 32
BOZ	eP	11 25 22
BUT	iP	11 25 27
COLU	eP	11 23 16
EUR	iP	11 25 11
HH	iP	11 25 40
SLC	eP	11 25 02
SJ	iP	11 21 10
TUC	iP	11 24 20
	i	24 29
	ePP	26 56
	e	27 06
	ePPP	28 33
	e	29 08
Feb. 28		
EUR	eP	12 22 38
	iP	22 40
	iS	23 01
Feb. 28		
COL	eP	14 14 54
Feb. 28		
COL	iP	15 27 53
Feb. 28		
HH	i(P)	16 17 49
Feb. 28		
HH	e(P)	18 33 52
Feb. 28		
COL	iP	19 55 02
EUR	iP	19 55 22
HH	eP	19 55 40
Feb. 28		
COL	iP	22 24 14
	ipP	24 49
EUR	iP	22 24 58
	ipP	25 30
Feb. 28		
COL	iP	22 32 26
Feb. 29		
EUR	eP	02 27 13
	iP	27 15
	iS	27 37
	eL	27 44
Feb. 29		
EUR	iP	06 18 30
HH	iP	06 18 22

Date and Station		Phase (GCT) h m s
Feb. 29		
BC	eP	07 10 19
BOZ	eP	07 10 05
BUT	eP	07 09 59
COL	iP	07 07 28
EUR	iP	07 10 05
HH	iP	07 09 48
SLC	eP	07 10 16
TUC	eP	07 10 43
Feb. 29		
EUR	eP	08 45 33
HH	iP	08 45 16
Feb. 29		
BC	iP	09 02 25
	i	02 44
	iL	03 41
BOZ	eP	09 04 53
EUR	iP	09 03 14
	i	03 42
	iL	05 28
HH	eP	09 05 15
	eL	09 49
SLC	eP	09 03 43
	eL	06 34
TUC	eP	09 02 23
	i	02 44
	eL	03 48
Feb. 29		
HH	e(P)	10 38 46
Feb. 29		
EUR	eP	13 06 42
Feb. 29		
BC	eP	14 18 53
COL	iP	14 19 30
EUR	iP	14 18 59
HH	eP	14 19 30
TUC	eP	14 18 57
Feb. 29		
COL	iP	14 44 58
Feb. 29		
EUR	iP	15 42 18
Feb. 29		
HH	eP	17 06 21

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Date and Station		Phase (GCT)
		h m s
Feb. 29		
EUR	iP	20 15 02
HH	i(P)	20 14 50
Feb. 29		
BC	eP'	21 10 00
	i	10 59
BOZ	ePP	21 09 44
BUT	ePP	21 09 54
COL	iP	21 03 24
COLU	eP'	21 10 11
	ePP	11 42
EUR	iP'	21 09 51
	iPP	10 42
HH	eP	21 05 20
	e	08 08
	iPP	09 37
SLC	eP'	21 10 09
SJ	eP'	21 10 34
	iPKS	14 03
TUC	eP'	21 10 07
	eL	56 33
Feb. 29		
COL	eP	21 13 33
Feb. 29		
EUR	eP	21 20 45
Feb. 29		
EUR	eP	21 23 44
	e	24 42
Feb. 29		
COL	eP	21 30 02
Feb. 29		
COL	iP	21 38 04
HH	eP	21 40 01
	e	44 01
	ePP	44 32
TUC	eP'	21 44 43
Feb. 29		
COL	e(P)	21 56 06
	e	56 25
EUR	iP	21 55 34
HH	e(P)	21 55 45
Feb. 29		
EUR	iP	22 44 30
Feb. 29		
HH	e(P)	23 03 08

Date and Station		Phase (GCT)
		h m s
Feb. 29		
BC	e(P)	23 55 31
	e	55 43
	e	55 52
COL	eP	23 52 26
EUR	eP	23 56 07
	i	56 28
HH	e(P)	23 55 36

Local and Minor Earthquakes

day	hour
BOZ	
Feb.	
18	03.5
19	00.1
BUT	
Feb.	
18	02.4
COL	
Feb.	
2	13.4
	17.7
3	02.0
	10.4
	12.5
5	23.8
6	01.6
	02.9
	12.8
7	01.8
	05.5
	10.3
9	18.8
10	23.1
11	03.6
	12.0
	23.6
13	13.5
15	11.8
	14.4
	21.1
16	08.9
17	10.9
18	03.8
21	03.1
22	06.2
	10.4
23	06.2
	09.3
24	00.3
25	05.6
	10.6
26	00.5
27	07.9
28	12.6
29	03.5
	04.5
	08.1
	19.1

Local and Minor Earthquakes

day	hour
EUR	
Feb.	
3	08.6
	08.8
	17.0
4	01.1
	01.2
	04.9
	05.5
	09.0
5	00.1
6	07.9
	11.3
	18.7
7	02.3
8	00.7
9	00.6
	05.2
10	20.9
11	05.9
12	03.2
	19.2
13	03.5
14	16.9
	21.9
15	12.2
18	11.9
19	00.0
	00.6
	03.4
24	06.1
	07.5
	07.6
	22.9
26	10.7
28	05.4
	12.1
	12.4
	20.1
29	02.5
	15.1
	21.8
SJ	
Feb.	
2	02.3
	10.7
4	00.9
	01.4
13	05.1
14	02.2
16	04.8
	22.2
17	03.5
18	03.5
27	05.7
28	17.8
29	23.2
TUC	
Feb.	
2	03.0
	06.1
3	00.7
5	14.1
	14.6
	14.6
10	19.8
	23.8

Local and Minor Earthquakes

day	hour
TUC	
Feb.	
11	07.7
	08.3
	10.4
	14.4
	16.2
	16.8
	16.9
	18.1
12	01.2
	01.6
	04.3
	20.3
13	03.6
	06.0
	07.3
	07.4
	07.6
	20.9
14	01.8
	11.8
15	03.3
	03.4
	12.3
	14.1
	16.4
16	11.7
17	03.5
	22.9
19	01.7
	02.0
	06.9
	13.6
	20.8
20	01.0
	05.8
	10.4
	11.4
	21.1
21	06.9
	09.1
	11.7
	12.3
	13.5
22	03.2
	06.2
	08.4
23	23.3
26	06.0
	06.5
	08.3
	20.8
27	05.8
	07.9
	11.1
	17.5
	18.0
	18.3
	22.9
28	03.4
	06.9
	19.9