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March, 1959

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U. S. DEPARTMENT OF COMMERCE

Frederick H. Mueller, Secretary

COAST AND GEODETIC SURVEY—WASHINGTON

H. Arnold Karo, Director

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National Oceanic and Atmospheric Administration

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1959

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
Guam, M. I. (GUAM)
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. D. (RC)
South Dakota State School of Mines
*Salt Lake City, Utah (SLC)
University of Utah
San Juan, Puerto Rico (SJ)
Sitka, Alaska (SIT)
*Thule, Greenland (THULE)
U. S. Army Ionosphere Station
Tucson, Ariz. (TUC)
Tucson, Ariz. Telemeter (TUC-T)
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, 1959 the data from the horizontal components of the seismographs at all stations except College, Honolulu, and Tucson will not be published for earthquakes occurring outside the United States.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 minute. Two asterisks (**) following an origin time indicates error of one-quarter minute. All origin times and location 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 Height, Canal Zone.

Date 1959	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Mar.	h m s	°	°	
1	00 31 20*	74½ N.	9 E.	Arctic Ocean.
1	16 49 13*	½ S.	134½ E.	Near north coast of New Guinea. h about 100 km. Mag. 7.
1	19 55 43*	37½ N.	29½ E.	Southwestern Turkey.
1	20 42 14*	½ S.	135 E.	Near north coast of New Guinea.
2	01 37 53*	5½ S.	104 E.	Off south coast of Sumatra.
2	09 13 37*	7½ S.	127½ E.	Timor Island.
2	11 22 34*	33½ N.	50 E.	Western Iran.
2	15 51 41*	36½ N.	70½ E.	Hindu Kush. h about 250 km.
2	23 27 15*	37 N.	122 W.	Near coast of California. Slight damage at Gilroy, Hollister and Santa Cruz. Mag. 4.9.
3	07 23 44*	37 N.	122 W.	California aftershock. Felt. Mag. 4.5 (Berk).
3	18 32 10*	37 N.	122 W.	California aftershock. Felt. Mag. 4.1 (Berk).
4	00 52 49*	51½ N.	159½ E.	Off southeast coast of Kamchatka.
4	06 43 16*	11 S.	165½ E.	Santa Cruz Islands. h about 100 km.
4	18 55 03*	20½ S.	175½ W.	Tonga Islands. h about 100 km.
4	19 57 57*	12 N.	93 E.	Andaman Islands. Slightly deeper than normal.
4	23 00 30*	38 N.	133 E.	Near west coast of Honshu, Japan.
5	00 15 08*	54 N.	160 E.	Near east coast of Kamchatka.
5	02 57 27*	20½ S.	169 E.	Loyalty Islands.
5	05 04 10*	44½ N.	149 E.	Kurile Islands.
5	05 43 13*	29½ S.	178 W.	Kermadec Islands.
5	07 26 50*	14 N.	145½ E.	Mariana Islands.
5	14 09 47*	44½ N.	147 E.	Kurile Islands. h about 100 km.
5	16 28 54*	29½ S.	179 W.	Kermadec Islands.
5	22 55 39*	2 N.	97 E.	Sumatra. h about 100 km.
6	20 28 43*	11 S.	162 E.	Solomon Islands foreshock.
6	20 41 53*	10½ S.	162 E.	Solomon Islands.
7	09 12 35*	3½ S.	102 E.	Sumatra. h about 100 km.
7	15 42 17*	52½ N.	161½ W.	South of Alaska Peninsula.
8	11 17 09*	40 N.	20 E.	Near coast of Albania.
8	14 48 50*	36 N.	53 E.	Northern Iran. h about 60 km.
8	17 07 55*	21 S.	170 E.	Loyalty Islands.
8	23 02 42*	11½ S.	75½ W.	Central Peru. 5 killed.
9	10 18 09*	13½ N.	125½ E.	Near north coast of Samar, Philippine Islands.
9	18 44 21**			Near north coast of Honshu, Japan. h about 60 km.
9	22 08 58*	15½ N.	91 W.	Guatemala. h about 150 km.
10	22 49 39*	14 N.	92½ W.	Near coast of Guatemala.

Date 1959	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Mar.	h m s	°	°	
11	02 59 51*	28 N.	104½ E.	Szechwan Province, China.
11	07 06 58*	6 S.	127½ E.	Banda Sea.
11	09 30 48*	49 N.	154½ E.	Kurile Islands.
11	14 31 33*	14½ N.	92 W.	Near coast of Guatemala.
12	01 29 07*	17 N.	145 E.	Caroline Islands. Mag. 6.
12	09 00 30*	5 S.	154½ E.	Solomon Islands region. Felt at Rabaul. h about 60 km.
13	15 33 34*	18½ N.	72 W.	Haiti. Felt at Port-au-Prince.
13	16 40 15*	21 S.	176½ W.	Tonga Islands. h about 200 km.
13	19 08 06*	34½ N.	26½ E.	Mediterranean Sea, near Crete.
14	02 55 24*	45 N.	151½ E.	Kurile Islands.
14	06 57 08*	18 S.	166 E.	New Hebrides Islands. h about 500 km.
15	10 44 35*	12 N.	85 W.	Nicaragua.
15	21 28 24*	18 S.	174½ W.	Tonga Islands. h about 200 km.
15	22 18 47**			Near east coast of Honshu, Japan. Felt at Tokyo.
16	01 36 45*	53½ N.	164½ W.	South of Unimak Island.
16	08 02 10*	45½ N.	151 E.	Kurile Islands.
16	17 36 30*	39 N.	116 W.	Nevada.
16	22 08 23**			Kermadec Islands region. h about 100 km.
16	23 34 48*	53 N.	168½ W.	Fox Islands, Aleutian Islands. h about 60 km.
17	08 25 22*	27½ N.	130 E.	Ryukyu Islands. Mag. 5-3/4 - 6.
17	12 58 57*	57 S.	25 W.	Sandwich Islands.
17	22 00 06**			Jan Mayen Island region.
18	00 41 17*	27 N.	129 E.	Ryukyu Islands.
18	07 26 47*	37 N.	141 E.	Near east coast of Honshu, Japan. Felt at Tokyo. h about 100 km.
18	12 38 46*	16 N.	96½ W.	Near coast of Oaxaca, Mexico.
18	14 20 39*	38½ N.	118½ W.	Western Nevada. Felt in Churchill and Lander Counties. Mag. 4½ (Berk).
18	14 56 05*	8 S.	73½ W.	Peru-Brazil border. h about 150 km.
19	01 58 43*	6½ S.	125½ E.	Banda Sea.
19	07 24 11*	27 N.	130 E.	Ryukyu Islands.
19	08 25 32*	35 N.	36 W.	North Atlantic Ocean. Mag. 6¼.
19	09 37 53*	61½ N.	148 W.	Southern Alaska. h about 100 km.
19	14 14 53*	35 N.	142 E.	Off east coast of Honshu, Japan. Felt at Tokyo.
20	01 02 42*	52 N.	159 E.	Near east coast of Kamchatka.
20	02 10 33*	20½ S.	174½ W.	Tonga Islands.
20	15 41 30*	44 N.	128 W.	Off coast of Oregon.
20	15 44 31*	36½ N.	142½ E.	Off east coast of Honshu, Japan. h about 100 km.

Date 1959	Origin Time G. C. T.	Lat.		Long.		Region, Focal Depth, and Remarks
Mar.	h m s	°		°		
20	23 53 24*	10	S.	117	E.	Sumbawa Island region.
21	04 27 21*	19	S.	178	W.	Fiji Islands. h about 550 km.
21	19 37 08*	53½	N.	165	W.	Unimak Island region.
21	19 46 00*	20	S.	177½	W.	Fiji Islands.
22	22 36 38*	46½	N.	3½	W.	Near west coast of France. Felt in Bretagne and Vendee.
23	07 10 22*	40	N.	118	W.	Western Nevada. Felt at Reno. Mag. 6¼ - 6½.
23	11 49 27*	39½	N.	118	W.	Nevada aftershock. Mag. 4¼ (Berk).
23	13 24 16*	16	S.	173½	W.	Samoa Islands region. h about 150 km.
24	05 05 37**					La Rioja Province, Argentina.
24	17 12 51*	18½	S.	167	E.	New Hebrides Islands.
24	17 18 24*	34	N.	142	E.	Off coast of Honshu, Japan.
25	00 00 13*	17½	S.	180		Fiji Islands. h about 650 km.
25	00 11 15*	5	S.	78½	W.	Northern Peru.
25	04 27 50**					Guatemala-Mexico border. h about 100 km.
25	06 03 48*	30	N.	70	E.	West Pakistan. h about 100 km.
25	07 02 12**					New Hebrides Islands.
25	11 14 25*	8½	S.	110½	E.	Near south coast of Java. h about 150 km.
26	02 24 12*	7	S.	155½	E.	Solomon Islands. Felt at Rabaul. h about 60 km.
26	05 24 42*	0		125	E.	Molucca Passage.
26	07 48 28**					Solomon Islands.
26	11 04 35*	39	N.	71½	E.	Tadzhik, S.S.R.
27	07 02 07*	17½	N.	63	W.	Leeward Islands. Felt on Antigua. h about 150 km.
27	22 57 36*	1	N.	85	W.	Pacific Ocean.
28	07 45 14*	48	N.	153	E.	Kurile Islands.
28	14 49 44*	4½	S.	152	E.	New Britain. Felt at Rabaul.
28	17 11 16*	21	N.	120	E.	Off south coast of Formosa.
28	18 42 45*	35½	N.	71	E.	Hindu Kush. h about 200 km.
28	19 47 07*	20	S.	178½	W.	Fiji Islands. h about 600 km. Mag. 5-3/4 - 6.
28	21 08 23*	21½	N.	120½	E.	Near south coast of Formosa.
29	05 39 58*	19	N.	64½	W.	Virgin Islands. Felt on Puerto Rico and in Virgin Islands.
29	09 31 56*	7	S.	149½	E.	New Britain region.
29	19 09 33*	45½	N.	137½	E.	Sikhota Alin. h about 300 km.
29	23 07 16*	38	N.	24½	E.	Near east coast of Greece. Felt.
29	23 22 45**					Greece aftershock. Felt.
30	07 18 20*	8	N.	82	W.	Near south coast of Panama.
30	12 41 03*	25½	N.	100½	E.	Yunnan Province, China.
30	18 19 04*	17½	S.	172	W.	Tonga Islands.
31	01 05 24*	53	N.	167	W.	Fox Islands, Aleutian Islands.
31	07 20 45*	15	S.	173	W.	Samoa Islands region. Felt at Apia. Mag. 6.

Date and Station		Phase	(GCT)
Mar. 1			h m s
COL		eP	00 27 06
EUR		eP	00 29 42
THULE		eP	00 23 35
TUC-T		eP	00 30 29
Mar. 1			
EUR		eP	00 38 21
		i	38 53
Mar. 1			
BC		eP	00 41 54
BOZ		e(P)	00 40 42
BUT		eP	00 40 42
		ePP	42 44
		ePPP	43 30
COL		iP	00 38 57
		eS	45 05
		eL	48 23
COLU		eP	00 41 11
EUR		iP	00 41 32
		i	42 54
		iPP	43 57
		eP'P'	01 10 44
		iP'P'	11 01
HH		eP	00 40 28
RC		eP	00 40 43
		e	41 51
SLC		e(P)	00 41 19
SJ		eP	00 42 24
THULE		eP	00 35 26
		iP	35 27
TUC		iP	00 42 12
		ePP	44 36
		eL	01 09 50
TUC-T		iP	00 42 11
		ePP	44 23
		ePPP	46 20
		eP'P'	01 10 50
WASH		i(P)	00 40 24
		i	47 16
		eL	58 18
Mar. 1			
BH		iP	01 40 31
		iS	41 04
COL		eP	01 51 25
EUR		eP	01 47 50
		i	48 17
HH		eP	01 48 49

Date and Station		Phase	(GCT)
			h m s
RC		eP	01 47 43
		e	47 53
SJ		e(P)	01 43 16
		e	43 26
		e	43 35
		e	46 05
THULE		iP	01 50 50
TUC		e(P)	01 46 42
		e	47 30
TUC-T		eP	01 46 39
		e	47 27
Mar. 1			
THULE		eP	05 22 01
Mar. 1			
HH		eP	08 48 45
Mar. 1			
HH		iP	10 13 16
Mar. 1			
COL		iP	13 24 20
		e	24 29
HH		e(P)	13 22 50
Mar. 1			
HH		eP	13 44 17
Mar. 1			
HH		eP	14 48 48
		i	51 26
TUC-T		eP	14 46 48
		i	46 58
Mar. 1			
EUR		eP	15 46 03
Mar. 1			
HH		e(P)	16 08 09
		e	10 51
Mar. 1			
BC		eP	17 03 31C
		eP'	07 20
		ePP	08 01
BOZ		e(P)	17 03 42
		ePP	08 04
BUT		eP'	17 07 04
COL		iP	17 01 46C
		e	03 41
		e	04 06
		i(S)	12 23
		eSS	17 13
		iSS	18 21
		ePKKP	19 58
		eL	21 21
		eP'P'	28 06

Date and Station		Phase	(GCT)
			h m s
COLU		eP'	17 08 30
		ePP	10 54
EUR		iP	17 03 25C
		iPP	07 12
		i	07 40
		ePKKP	18 58
HONO		eP	17 00 22
		iS	09 28
		iL	17 40
HH		eP	17 03 26C
		e	06 45
		ePP	07 40
		e	19 02
GUAM		eP	16 53 13D
		iS	56 16
		eL	57 39
RC		e(P)	17 04 05
		eP'	07 50
		ePP	08 37
		ePKKP	18 47
SLC		e(P)	17 03 36
SJ		eP'	17 09 04
		i	09 10
		i	10 24
		ePP	12 56
SIT		eP	17 02 21
THULE		eP	17 03 09
		iPP	07 29
TUC		eP	17 03 51
		e	06 55
		ePP	08 30
		e(PS)	18 04
		eSS	24 14
		eSSS	28 18
		eL	34 10
TUC-T		iP	17 03 51C
		eP'	07 19
		ePP	07 51
		i(PS)	18 07
UK		ePP	17 07 52
		eL	32 48
WASH		iP'	17 08 29
		i	08 48
		iPP	10 50
		i(PKS)	11 54
		e(SKS)	15 24
		ePS	21 25
		i(PPS)	23 02
		i	25 30
		eSS	28 22
		iSS	29 26
		eL	52 16
Mar. 1			
GUAM		iP	18 09 24
		iS	09 47

Date and Station		Phase	(GCT)
			h m s
GUAM		eL	18 09 49
Mar. 1			
EUR		eP	18 48 18
TUC		eP	18 47 05
TUC-T		iP	18 47 07
Mar. 1			
COL		eP	20 07 42
THULE		iP	20 05 21
Mar. 1			
COL		eP	20 54 53
Mar. 1			
HH		iP	21 20 30
Mar. 1			
EUR		eP	22 51 20
		e	53 05
HH		iP	22 50 52
Mar. 2			
EUR		eP	01 53 19
		e	53 35
TUC-T		eP	01 53 16
		i	53 31
Mar. 2			
COL		ePP	01 56 05
EUR		eP'	01 57 02
		e	58 03
		e	58 15
HH		iP'	01 56 52
Mar. 2			
BC		eP	02 00 32
EUR		eP	02 00 22
TUC		eP	02 00 47
TUC-T		iP	02 00 47
Mar. 2			
COL		iP	09 14 12
EUR		eP	09 17 30
HH		iP	09 17 01
Mar. 2			
COL		eP	09 27 11
EUR		eP'	09 32 28
HH		iP'	09 32 26
SJ		eP'	09 34 38
TUC		eP'	09 32 39

Date and Station		Phase (GCT)
		h m s
TUC-T	eP'	09 32 40
	e	32 51
Mar. 2		
EUR	eP	10 17 52
Mar. 2		
COL	iP	11 34 58
THULE	iP	11 33 16
Mar. 2		
EUR	iP	12 25 40
TUC	eP	12 25 41
TUC-T	eP	12 25 41
Mar. 2		
EUR	eP	13 33 24
RC	eP	13 34 28
Mar. 2		
EUR	eP	15 14 56
HH	eP	15 15 23
SJ	eP	15 09 20
	e	11 35
Mar. 2		
COL	iP	15 32 43
Mar. 2		
BOZ	eP	16 04 57
COL	iP	16 02 57
	ipP	03 51
	i	05 36
	eP'P'	29 49
EUR	eP	16 05 24
	e	07 59
	ePP	08 40
	ePKKP	21 08
	eP'P'	29 28
HH	iP	16 04 43
	epP	05 41
	e	07 48
	iPP	08 31
RC	iP	16 05 02
THULE	iP	16 01 56
	iPcP	02 28
	ipP	02 42
	isP	03 04
	iPP	04 19
	eP'P'	30 35
TUC	eP'	16 09 12
	ePP	10 42
TUC-T	e(P)	16 06 05
	eP'	09 13
	ePP	10 21
	ePKKP	20 45

Date and Station		Phase (GCT)
		h m s
TUC-T	e	16 20 56
Mar. 2		
RC	eP	21 41 58
Mar. 2		
BC	eP	23 28 44
	e	29 03
	e(S)	29 29
	eL	30 13
BOZ	eP	23 30 16
	e(S)	32 23
	eL	33 32
BUT	eP	23 30 06
	e(S)	32 29
	eL	33 15
COL	eP	23 33 53
EUR	iP	23 28 36
	i	28 45
RC	iP	23 31 09
SLC	eP	23 29 27
	e(S)	31 02
THULE	eP	23 35 52
TUC	e(P)	23 29 47
	i	30 33
	eL	32 05
	iL	32 52
TUC-T	eP	23 29 44
	e	29 49
	eL	32 03
UK	eP	23 27 56
	i	28 06
	i(S)	28 33
	eL	28 35
Mar. 3		
COL	iP	02 51 36
Mar. 3		
EUR	eP	03 24 03
HH	eP	03 24 30
TUC-T	eP	03 23 16
Mar. 3		
BC	eP	07 25 15
	e	25 32
	e(S)	25 44
	eL	26 25
EUR	eP	07 25 06
	eS	26 09
	eL	26 19
HH	eP	07 26 54
TUC	e(P)	07 26 15
	e	26 20

Date and Station		Phase (GCT)
		h m s
TUC	eL	07 29 19
TUC-T	e(P)	07 26 13
	e	26 18
	eL	29 15
UK	eP	07 24 26
	i	24 40
	eL	25 13
Mar. 3		
THULE	iP	10 09 20
	i(S)	09 31
	iL	09 51
Mar. 3		
EUR	eP	11 13 32
TUC	eP	11 12 16
TUC-T	iP	11 12 16
Mar. 3		
BC	e(P)	18 33 58
EUR	eP	18 33 33
	iP	33 35
	eS	34 39
	eL	34 46
UK	e(P)	18 32 59
	eS	33 38
	eL	33 43
Mar. 3		
HH	eP	18 41 29
Mar. 3		
HH	eP	19 48 12
Mar. 3		
COL	iP	21 42 58
Mar. 3		
COL	eP	22 44 36
Mar. 4		
TUC-T	eP	00 48 53
Mar. 4		
COL	iP	00 58 58
EUR	eP	01 02 39
	i	02 48
	i	03 07
HH	eP	01 02 05
RC	eP	01 03 06
THULE	iP	01 01 34
	i	02 05
TUC	eP	01 03 41
TUC-T	eP	01 03 43
	ePcP	04 22

Date and Station		Phase (GCT)
Mar. 4		h m s
COL	iP	06 55 38
	epP	56 11
EUR	eP	06 56 03
HH	eP	06 56 19
TUC-T	eP	06 56 14
Mar. 4		
UK	e(P)	08 02 30
	e	02 54
Mar. 4		
HH	eP	09 16 12
Mar. 4		
EUR	eP	11 08 00
HH	iP	11 08 27
TUC-T	eP	11 07 12
Mar. 4		
EUR	eP	16 17 08
Mar. 4		
TUC	eP	17 00 49
	eL	01 44
TUC-T	e(P)	17 00 35
	e	00 48
	eL	01 45
Mar. 4		
THULE	eP	17 18 27
Mar. 4		
TUC-T	e(P)	18 37 43
	e	37 54
Mar. 4		
COL	eP	19 07 46
	ipP	08 08
	isP	08 26
EUR	eP	19 07 17
	ipP	07 45
HH	eP	19 07 43
TUC	e(P)	19 07 16
TUC-T	eP	19 07 16
Mar. 4		
COL	iP	20 11 04
EUR	iP'	20 16 56
HH	eP'	20 16 42
THULE	iP	20 11 03
TUC-T	eP'	20 17 14
Mar. 4		
EUR	eP	20 56 42

Date and Station		Phase (GCT)
		h m s
Mar. 4		
EUR	eP	21 07 54
RC	e(P)	21 06 07
	e	06 13
Mar. 4		
COL	iP	22 58 44
HH	eP	23 01 35
THULE	iP	22 59 04
Mar. 4		
COL	iP	23 09 26
	e	10 16
EUR	eP	23 12 27
	e	13 19
HH	iP	23 12 01
	e	12 53
RC	eP	23 12 48
THULE	iP	23 11 09
Mar. 5		
BC	eP	00 25 10
BOZ	eP	00 24 36
COL	iP	00 20 57
EUR	iP	00 24 48
HH	iP	00 24 11
	ePcP	25 27
	ePP	26 13
RC	eP	00 25 11
	iP	25 12
SLC	eP	00 24 58
TUC	iP	00 25 44
TUC-T	iP	00 25 43
	e	26 09
Mar. 5		
COL	e(P)	03 10 40
EUR	eP	03 10 38
THULE	eP	03 10 54
Mar. 5		
COL	iP	05 11 44
EUR	iP	05 15 04
HH	iP	05 14 36
RC	e(P)	05 15 30
TUC	eP	05 15 53
TUC-T	eP	05 15 52

Date and Station		Phase (GCT)
		h m s
Mar. 5		
COL	eP	06 41 44
Mar. 5		
EUR	eP	06 42 18
	e(S)	43 06
	iL	43 13
HH	e(P)	06 46 56
TUC	eP	06 43 58
	e	44 33
TUC-T	e(P)	06 43 50
	e	44 31
	eL	46 27
UK	eP	06 42 47
Mar. 5		
BC	eP	07 42 50
	e	43 27
COL	eP	07 37 50
GUAM	iP	07 27 12
EUR	eP	07 39 41
	e	40 05
HH	iP	07 39 35
Mar. 5		
COL	eP	13 07 42
Mar. 5		
BC	iP	13 13 56
	eS	14 10
	eL	14 24
TUC	e(P)	13 16 48
Mar. 5		
COL	iP	14 17 24
	ipP	17 50
	isP	18 06
EUR	iP	14 20 41
	ipP	21 07
HH	iP	14 20 13
	epP	20 38
RC	eP	14 21 06
	epP	21 31
THULE	eP	14 19 29
TUC	e(P)	14 21 39
TUC-T	eP	14 21 39
	e	21 53
Mar. 5		
THULE	eP	15 13 53
Mar. 5		
HH	iP	15 58 51
TUC-T	eP	15 57 09

Date and Station		Phase (GCT)
		h m s
Mar. 5		
EUR	eP	16 41 59
Mar. 5		
COL	eP	22 20 49
EUR	iP	22 24 19
Mar. 5		
EUR	eP	23 08 17
Mar. 5		
EUR	iP'	23 14 40
	ePP	16 48
HH	eP'	23 14 28
	i	14 41
	ePP	16 25
TUC-T	eP'	23 15 08
	ePP	18 23
Mar. 5		
EUR	eP	23 55 37
Mar. 6		
SLC	eP	00 29 10
	e	29 28
Mar. 6		
COL	iP	01 35 26
	i	35 51
EUR	eP	01 35 10
	e	35 45
	i	36 39
TUC-T	eP	01 35 57
Mar. 6		
EUR	eP	04 01 18
HH	eP	04 01 33
RC	eP	04 01 03
TUC	e(P)	04 00 53
	e	01 09
TUC-T	eP	04 00 55
	e	01 04
Mar. 6		
COL	eP	11 36 46
Mar. 6		
TUC-T	eP	13 22 48
	e	23 34
Mar. 6		
TUC	iP	19 41 52
	iL	42 56
TUC-T	eP	19 41 39
	e	41 57
	iL	42 50
Mar. 6		
EUR	eP	19 49 23

Date and Station		Phase (GCT)
		h m s
HH	eP	19 49 27
RC	eP	19 51 05
Mar. 6		
COL	iP	20 41 17
EUR	iP	20 41 49
Mar. 6		
COL	iP	20 54 27
EUR	iP	20 54 59
HH	eP	20 55 14
Mar. 6		
EUR	iP	21 04 32
HH	iP	21 04 13
THULE	eP	21 00 54
Mar. 6		
EUR	eP	21 27 52
HH	e(P)	21 30 09
Mar. 6		
THULE	iP	23 11 01
Mar. 6		
COL	eP	23 50 39
EUR	eP	23 51 11
Mar. 7		
EUR	eP	08 44 28
TUC	eP	08 43 09
TUC-T	eP	08 43 09
Mar. 7		
EUR	iP	09 05 26
HH	iP	09 04 57
TUC	iP	09 06 31
TUC-T	eP	09 06 31
Mar. 7		
COL	eP	09 15 10
EUR	eP	09 16 10
Mar. 7		
EUR	iP'	09 31 39
HH	eP'	09 31 29
RC	ePKS	09 35 12
THULE	eP	09 31 58
TUC	ePKS	09 35 27

Date and Station		Phase (GCT)
		h m s
TUC-T	e(P')	09 32 00
	iPKS	35 27
Mar. 7		
COL	eP	14 58 40
	i	59 01
EUR	eP	14 58 08
HH	eP	14 58 39
TUC-T	eP	14 58 07
	e	58 33
Mar. 7		
BOZ	eP	15 48 54
COL	eP	15 45 26
	eL	47 53
EUR	iP	15 49 00
	i	49 10
	iPcP	51 40
	e	51 50
HH	iP	15 48 27
	iPcP	51 29
	i	51 40
RC	eP	15 49 40
	e	49 51
	ePcP	52 03
THULE	eP	15 49 51
TUC	iP	15 50 07
	e	50 17
TUC-T	iP	15 50 07
	i	50 17
	ePcP	52 03
Mar. 7		
TUC-T	eP	19 18 51
Mar. 7		
COL	eP	21 26 21
	i	26 36
	i(S)	27 27
	iL	27 38
EUR	iP	21 31 56
HH	eP	21 30 58
Mar. 7		
COL	eP	22 31 28
	iL	32 29
Mar. 7		
COL	eP	22 56 56
	i	57 13
	i(S)	58 15
	iL	58 30
Mar. 7		
COL	eP	23 46 24
	iL	47 29

Date and Station		Phase (GCT)
		h m s
Mar. 8		
SJ	e(P)	00 52 46
Mar. 8		
EUR	eP	02 00 57
Mar. 8		
COL	eP	03 35 10
	i	35 18
	iL	36 18
Mar. 8		
BH	eP	05 21 58
	iS	22 46
Mar. 8		
EUR	eP	05 39 07
Mar. 8		
EUR	eP	07 08 36
Mar. 8		
HH	eP	07 17 21
Mar. 8		
EUR	eP	07 47 53
TUC	e(P)	07 46 15
TUC-T	eP	07 46 15
Mar. 8		
THULE	eP	10 30 27
Mar. 8		
COL	eP	11 28 53
HH	iP	11 29 39
THULE	eP	11 26 13
	i	30 08
Mar. 8		
EUR	eP	11 53 36
Mar. 8		
EUR	eP	13 16 13
TUC	eP	13 14 34
TUC-T	iP	13 14 35
Mar. 8		
EUR	eP	13 31 34
TUC	eP	13 29 55
TUC-T	iP	13 29 56
Mar. 8		
COL	eP	15 00 45
EUR	eP	15 00 59
	e	01 34
HH	eP	15 01 28
	e	02 03
THULE	eP	14 59 08

Date and Station		Phase (GCT)
		h m s
TUC-T	iP	15 00 10
	i	00 44
Mar. 8		
TUC	e(P)	16 58 36
Mar. 8		
BC	eP	17 21 03
COL	eP	17 21 04
EUR	eP	17 20 59
TUC	eP	17 21 05
TUC-T	e(P)	17 21 06
	e	21 14
Mar. 8		
COL	eP	22 33 09
	eS	34 26
	eL	34 55
HH	iP	22 34 03
Mar. 8		
EUR	eP	23 13 08
	iP	13 12
	e	30 13
HH	eP	23 13 44
SJ	eP	23 09 02
THULE	iP	23 15 32
TUC	eP	23 12 14
	e	12 24
TUC-T	iP	23 12 14
	i	12 23
Mar. 9		
EUR	eP	01 54 09
Mar. 9		
EUR	eP	02 42 37
Mar. 9		
HH	eP	04 09 31
TUC	eP	04 03 16
Mar. 9		
TUC-T	eP	06 14 16
	eL	15 11
Mar. 9		
HH	iP	07 29 10
Mar. 9		
COL	eP	10 30 02
Mar. 9		
COL	eP	11 37 00
EUR	eP	11 36 37
HH	eP	11 37 06

Date and Station		Phase (GCT)
		h m s
TUC	iP	11 36 39
TUC-T	iP	11 36 39
Mar. 9		
COL	eP	13 50 54
EUR	eP	13 54 38
Mar. 9		
EUR	eP	15 48 56
RC	eP	15 46 31
Mar. 9		
BUT	e(P)	18 55 28
COL	iP	18 52 42
	ipP	53 00
EUR	iP	18 55 54
	ipP	56 11
HH	iP	18 55 26
	ipP	55 42
RC	eP	18 56 16
	epP	56 31
THULE	iP	18 54 36
	ipP	54 52
	esP	55 04
TUC-T	eP	18 56 37
	epP	56 54
Mar. 9		
EUR	eP	20 44 18
	i	44 58
Mar. 9		
EUR	eP	20 47 15
Mar. 9		
HH	e(P)	21 04 42
Mar. 9		
BC	eP	22 08 57
	epP	09 33
BOZ	eP	22 10 18
	e	10 37
COL	iP	22 13 09
	ipP	13 47
EUR	iP	22 09 23
	ipP	09 46
	iPP	10 19
	iScP	15 30
HH	eP	22 10 08
	epP	10 46
	e(sP)	11 14
	iScP	15 49
RC	e(P)	22 09 42
	epP	10 05

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Date and Station		Phase	(GCT)
			h m s
SLC		eP	22 09 48
SJ		e(P)	22 08 15
		ipP	08 33
THULE		iP	22 13 09
TUC		eP	22 08 14
		ipP	08 51
		eScP	15 08
TUC-T		iP	22 08 12
		ipP	08 46
		iPP	09 23
		iScP	15 05
WASH		iP	22 09 28
		epP	10 01
		i(S)	13 55
Mar. 9			
COL		iP	22 39 23
EUR		eP	22 42 41
Mar. 9			
COL		iP	23 15 54
Mar. 10			
EUR		eP	03 17 15
TUC-T		eP	03 17 42
Mar. 10			
TUC		e(P)	06 59 29
Mar. 10			
COL		eP	07 08 42
EUR		iP	07 11 27
HH		iP	07 11 07
RC		eP	07 11 50
Mar. 10			
BH		iP	08 40 40
		iS	41 23
Mar. 10			
COL		eP	11 57 14
EUR		eP	11 57 50
		e	58 14
Mar. 10			
EUR		eP	12 03 43
Mar. 10			
HH		eP	12 04 12
TUC-T		eP	12 02 53
Mar. 10			
EUR		eP	13 06 46
TUC-T		eP	13 06 37

Date and Station		Phase	(GCT)
			h m s
Mar. 10			
COL		eP	17 50 06
Mar. 10			
COL		eP	18 07 33
EUR		e(P)	18 07 47
HH		e(P)	18 07 48
TUC-T		eP	18 07 52
Mar. 10			
COL		eP	21 27 09
Mar. 10			
BH		iP	22 52 52
		iS	57 10
Mar. 10			
BC		eP	22 55 51
BOZ		eP	22 56 39
BUT		eP	22 56 46
COL		eP	23 00 08
COLU		eP	22 54 40
		e(S)	58 54
EUR		iP	22 56 16
HH		iP	22 57 06
		ePcP	59 18
RC		eP	22 56 03
		ePP	57 12
SLC		eP	22 56 07
THULE		eP	23 00 11
TUC		e(P)	22 55 08
		i	23 00 54
		eL	05 09
TUC-T		iP	22 55 06
Mar. 10			
EUR		eP	23 23 29
Mar. 11			
BOZ		e(P)	00 43 16
BUT		e(P)	00 43 08
COL		iP	00 43 11
EUR		eP	00 42 39
HH		eP	00 43 12
TUC		e(P)	00 42 45
Mar. 11			
EUR		eP	02 17 22
Mar. 11			
EUR		eP	02 51 00

Date and Station		Phase	(GCT)
			h m s
Mar. 11			
COL		iP	03 11 21
HH		iP	03 13 28
THULE		iP	03 11 41
Mar. 11			
GUAM		iP	03 58 12
		iS	58 30
		iL	58 35
Mar. 11			
EUR		eP	06 52 41
HH		eP	06 53 27
Mar. 11			
COL		e(P)	07 20 11
Mar. 11			
COL		iP	07 26 43
EUR		eP	07 26 12
HH		eP	07 26 45
TUC		eP	07 26 12
TUC-T		eP	07 26 13
Mar. 11			
COL		iP	09 37 29
		i	37 42
EUR		eP	09 41 02
HH		eP	09 40 27
RC		eP	09 41 27
THULE		eP	09 39 55
Mar. 11			
COL		e(P)	10 04 09
Mar. 11			
COL		eP	10 26 12
Mar. 11			
COL		eP	11 04 11
		iL	05 13
Mar. 11			
EUR		eP	12 53 41
Mar. 11			
BOZ		eP	14 38 30
BUT		eP	14 38 35
COL		iP	14 41 58
COLU		eP	14 36 30
EUR		iP	14 38 07
HH		iP	14 38 56
		e(PcP)	41 09

Date and Station		Phase	(GCT)
			h m s
RC		eP	14 37 54
SLC		eP	14 37 59
THULE		eP	14 42 02
TUC		eP	14 36 55
		eL	50 10
TUC-T		iP	14 36 55
		e	39 22
Mar. 11			
EUR		eP	15 01 34
Mar. 11			
EUR		eP	16 53 53
HH		eP	16 53 25
Mar. 11			
EUR		e(P)	17 28 02
Mar. 11			
EUR		eP	17 30 38
HH		eP	17 31 28
TUC-T		eP	17 29 27
Mar. 11			
COL		i(P)	18 30 17
THULE		eP	18 34 53
		e	37 37
TUC-T		eP	18 30 02
Mar. 11			
EUR		eP	19 20 46
Mar. 11			
COL		eP	20 53 25
		e	55 51
EUR		iP	20 52 56
TUC-T		iP	20 52 55
Mar. 12			
BC		e(P)	01 42 32
BOZ		eP	01 42 34
BUT		eP	01 42 27
COL		iP	01 40 45
EUR		eP	01 42 23
		i	42 34
HONO		eS	01 47 16
		eL	54 55
HH		eP	01 42 20
		ePP	46 15
RC		eP	01 43 05

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Date and Station		Phase (GCT)
		h m s
RC	ePP	01 47 09
SLC	e(P)	01 42 38
THULE	eP	01 42 29
TUC	e(P)	01 43 00
	eL	02 13 32
TUC-T	e(P)	01 42 47
	e	42 53
	ePP	46 51
Mar. 12		
BH	eP	02 32 16
Mar. 12		
HH	iP	05 10 24
THULE	eP	05 07 12
Mar. 12		
COL	eP	06 50 46
EUR	eP	06 52 04
HH	iP	06 51 31
RC	eP	06 51 24
THULE	eP	06 48 10
Mar. 12		
COL	eP	07 17 29
EUR	eP	07 17 59
Mar. 12		
BC	eP	09 14 08
	e	17 36
COL	iP	09 12 44
	ipP	13 04
EUR	eP	09 13 43
	ipP	14 03
	isP	14 11
HH	eP	09 13 51
	e(pP)	14 16
TUC-T	eP	09 14 34
Mar. 12		
COL	eP	09 37 39
	e	38 08
EUR	eP	09 40 54
HH	eP	09 40 29
RC	eP	09 41 21
THULE	eP	09 39 53
Mar. 12		
EUR	eP	12 34 00

Date and Station		Phase (GCT)
Mar. 12		h m s
TUC	eP	13 11 26
TUC-T	eP	13 11 25
Mar. 12		
EUR	eP	15 04 51
Mar. 12		
EUR	eP	20 18 06
Mar. 12		
EUR	eP	20 30 08
	e	32 35
Mar. 12		
EUR	eP	20 36 05
Mar. 12		
EUR	eP	20 45 24
Mar. 12		
EUR	eP	21 31 28
Mar. 13		
EUR	iP	00 45 11
HH	iP	00 45 40
RC	eP	00 45 55
TUC	iP	00 44 24
TUC-T	iP	00 44 24
Mar. 13		
HH	iP	00 59 30
THULE	iP	00 56 12
Mar. 13		
EUR	eP	02 35 49
Mar. 13		
BH	iP	09 21 25
	iS	22 01
COL	eP	09 31 46
EUR	eP	09 28 20
HH	e(P)	09 28 59
	i	30 34
SJ	eP	09 24 54
Mar. 13		
COL	eP	11 25 01
Mar. 13		
COL	eP	12 53 27
Mar. 13		
EUR	iP	13 30 45
HH	iP	13 31 15
RC	eP	13 30 24

Date and Station		Phase (GCT)
		h m s
SJ	eP	13 26 18
TUC	iP	13 29 54
TUC-T	iP	13 29 54
Mar. 13		
BOZ	eP	15 41 32
BUT	eP	15 41 40
COL	iP	15 44 31
EUR	iP	15 41 40
	i	41 45
HH	iP	15 41 55
SJ	iP	15 34 58
	eL	36 16
THULE	iP	15 43 30
TUC-T	eP	15 40 51
Mar. 13		
EUR	eP	15 43 28
	i	43 33
Mar. 13		
COL	iP	16 52 49
	ipP	53 43
EUR	iP	16 52 22
	ipP	53 14
HH	iP	16 52 52
TUC-T	iP	16 52 22
	epP	53 13
Mar. 13		
TUC	e(P)	17 30 37
	e	30 50
	eL	31 43
TUC-T	eP	17 30 33
	e	30 51
	eL	31 46
Mar. 13		
TUC	eP	18 28 40
	eL	29 48
TUC-T	eP	18 28 41
	e	28 58
	eL	29 55
Mar. 13		
COL	iP	19 20 22
HH	iP	19 21 09
RC	eP	19 21 05
THULE	iP	19 17 59
Mar. 13		
HH	i(P)	20 54 48

Date and Station		Phase (GCT)
Mar. 13		h m s
COL	iP	21 12 30
	i(S)	13 16
	iL	13 30
HH	iP	21 17 13
Mar. 14		
BOZ	eP	03 06 19
BUT	e(P)	03 06 02
COL	iP	03 02 48
EUR	e(P)	03 06 13
	eP	06 17
	i	06 31
HH	eP	03 05 42
RC	eP	03 06 49
THULE	eP	03 05 04
TUC	e(P)	03 07 07
TUC-T	eP	03 07 10
Mar. 14		
COL	iP	04 22 10
	i(S)	23 10
	iL	23 23
EUR	eP	04 26 51
HH	eP	04 26 02
Mar. 14		
HH	e(P)	05 37 41
Mar. 14		
COL	eP	07 09 17
EUR	eP	07 09 28
	i	09 38
TUC	e(P)	07 09 35
	e	09 46
TUC-T	eP	07 09 36
Mar. 14		
BC	e(P)	08 04 32
EUR	eP	08 05 01
Mar. 14		
SLC	e(P)	10 51 31
	e	52 07
Mar. 14		
GUAM	iP	11 17 20
	i(S)	17 35
	i(L)	17 40
Mar. 14		
EUR	eP	11 30 37
Mar. 14		
HH	eP	11 45 07

Date and Station		Phase	(GCT)
			h m s
Mar. 14			
GUAM	eP		15 59 27
	eS		59 33
	iL		59 35
Mar. 14			
COL	iP		17 17 12
EUR	eP		17 16 36
Mar. 15			
EUR	eP		00 49 41
GUAM	iP		00 37 04
	eS		37 24
Mar. 15			
EUR	eP		04 25 41
Mar. 15			
COL	iP		05 56 10
THULE	eP		05 56 06
	iP		56 19
Mar. 15			
COL	eP		07 23 37
THULE	eP		07 19 45
TUC	e(P)		07 24 58
Mar. 15			
BH	iP		10 46 09
COL	iP		10 55 37
EUR	eP		10 52 06
HH	iP		10 52 45
	iPP		54 28
Mar. 15			
COL	iP		11 40 05
	i		40 29
Mar. 15			
EUR	eP		12 50 10
Mar. 15			
HH	e(P)		18 39 19
Mar. 15			
COL	iP		21 40 43
	ipP		41 32
EUR	eP		21 40 14
Mar. 15			
HH	eP		22 16 55
	i		17 31
Mar. 15			
COL	iP		22 27 54
EUR	eP		22 30 49
HH	iP		22 30 26

Date and Station		Phase	(GCT)
			h m s
Mar. 16			
COL	eP		01 40 11
EUR	iP		01 43 44
HH	eP		01 43 08
THULE	eP		01 44 26
TUC	eP		01 44 52
TUC-T	iP		01 44 52
Mar. 16			
EUR	eP		04 59 08
HH	eP		04 58 35
Mar. 16			
BOZ	e(P)		08 12 47
BUT	e(P)		08 12 51
COL	iP		08 09 30
	i		09 43
EUR	eP		08 12 53
HH	eP		08 12 24
THULE	iP		08 11 48
	i		11 59
TUC	eP		08 13 42
Mar. 16			
COL	iP		08 43 39
EUR	eP		08 39 42
TUC	iP		08 38 30
TUC-T	iP		08 38 29
Mar. 16			
COL	iP		11 04 18
	i(S)		05 23
	iL		05 30
HH	e(P)		11 08 07
Mar. 16			
THULE	eP		11 17 57
Mar. 16			
EUR	iP		11 43 25
HH	eP		11 42 56
TUC	iP		11 44 14
TUC-T	eP		11 44 13
Mar. 16			
HH	eP		14 16 24
Mar. 16			
BC	iP		17 37 18
	i		37 26

Date and Station		Phase	(GCT)
			h m s
BC	i(S)		17 37 54
	iL		38 10
EUR	iP		17 36 41
	iL		37 12
HH	eP		17 38 58
	eL		41 31
SLC	eP		17 37 31
	e(S)		38 19
	eL		38 32
TUC-T	e(P)		17 38 27
	e		38 55
	eL		40 37
Mar. 16			
EUR	eP		19 40 04
Mar. 16			
COL	eP		19 54 38
EUR	eP		19 58 01
Mar. 16			
THULE	eP		22 10 44
Mar. 16			
HH	i(P)		22 18 26
Mar. 16			
BC	eP		22 21 00
COL	eP		22 21 35
EUR	iP		22 21 06
	ipP		21 37
	isP		21 42
THULE	iP'		22 27 04
TUC-T	iP		22 21 03
	epP		21 35
Mar. 16			
HH	iP		23 18 32
	iS		18 54
	iL		18 56
Mar. 16			
BC	eP		23 42 28
BOZ	eP		23 42 07
COL	iP		23 38 32
	eS		41 42
	iL		43 37
EUR	iP		23 42 03
	ipP		42 23
HH	iP		23 41 30
	ipP		41 50
	iPcP		44 07
RC	eP		23 41 43
	e		43 24

Date and Station		Phase	(GCT)
			h m s
THULE	eP		23 44 30
TUC	e(P)		23 43 07
TUC-T	eP		23 43 08
Mar. 17			
COL	eP		00 48 52
Mar. 17			
COL	iP		01 38 48
EUR	eP		01 40 26
Mar. 17			
COL	iP		07 51 19
EUR	iP		07 54 38
HH	iP		07 54 09
Mar. 17			
BC	eP		08 38 35
BOZ	eP		08 38 18
	e		38 29
BUT	eP		08 38 14
	ePP		42 08
COL	iP		08 35 47
	iS		44 17
	eSoS		45 37
	eL		51 19
	eP'P'		09 04 47
EUR	iP		08 38 23
GUAM	iP		08 29 51
HONO	eP		08 36 05
	eS		44 48
	eL		52 26
HH	iP		08 38 02
	ePP		41 39
	ePKKP		56 03
KIP	eP		08 36 06
RC	iP		08 38 42
	iPP		42 34
SLC	eP		08 38 31
	e		38 57
SIT	eP		08 36 37
THULE	iP		08 37 08
TUC	eP		08 38 58
	iPP		42 54
	eL		09 14 00
TUC-T	iP		08 38 58
	ePP		42 53
UK	eP		08 38 03

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Date and Station		Phase (GCT)
		h m s
Mar. 17		
GUAM	iP	08 59 35
Mar. 17		
EUR	eP	10 34 34
Mar. 17		
COL	eP	10 46 26
EUR	eP	10 46 24
Mar. 17		
BOZ	eP'	13 18 00
COL	eP'	13 18 42
	iP'	18 51
EUR	eP'	13 17 54
	i	18 08
	i	18 12
HH	iP'	13 18 03
	ePKS	21 18
RC	eP'	13 18 01
	e	19 11
SJ	iP	13 11 22
	i	11 38
THULE	eP'	13 18 18
	e	18 31
	ePP	21 11
	iPKS	21 58
TUC	eP'	13 17 37
TUC-T	eP'	13 17 38
	ePP	18 39
Mar. 17		
EUR	eP	13 27 51
Mar. 17		
COL	iP'	15 24 05
EUR	ePP	15 24 24
HH	eP'	15 23 19
THULE	eP'	15 23 36
Mar. 17		
EUR	eP	16 21 45
HH	eP	16 21 54
Mar. 17		
COL	iP	17 17 26
EUR	iP	17 18 20
Mar. 17		
COL	eP	19 19 11
EUR	eP	19 20 56
HH	e(P)	19 20 43

Date and Station		Phase (GCT)
		h m s
Mar. 17		
COL	eP	22 08 01
EUR	eP	22 10 15
HH	eP	22 09 12
THULE	eP	22 04 13
	eS	07 20
Mar. 17		
COL	iP	23 24 14
	i	24 25
HH	eP	23 23 26
Mar. 18		
SLC	eP	00 28 19
	e	28 55
Mar. 18		
HH	eP	00 51 09
RC	e(P)	00 48 07
Mar. 18		
BC	eP	00 54 47
BUT	eP	00 54 14
COL	iP	00 51 47
	eS	01 00 19
	iS	00 32
	e	01 24
	e	03 07
	eSS	05 15
	eL	12 23
EUR	iP	00 54 22
	e	56 12
GUAM	eP	00 45 50
	i	46 07
	iS	49 20
HH	iP	00 54 03
RC	eP	00 54 43
	ePP	58 29
SLC	eP	00 54 32
THULE	iP	00 53 09
TUC	e(P)	00 55 20
TUC-T	eP	00 54 58
Mar. 18		
EUR	eP	03 06 16
Mar. 18		
THULE	eP	06 01 00
	i	01 22
Mar. 18		
THULE	iP	06 21 08

Date and Station		Phase (GCT)
		h m s
Mar. 18		
THULE	eP	07 22 20
Mar. 18		
BC	eP	07 38 44
BOZ	eP	07 38 23
BUT	eP	07 38 18
	ipP	38 41
COL	iP	07 35 30
EUR	iP	07 38 29
	ipP	38 53
GUAM	iP	07 31 48
HH	iP	07 38 05
	i	38 23
RC	iP	07 38 52
	ipP	39 16
SLC	eP	07 38 39
	epP	39 03
TUC	iP	07 39 10
	epP	39 35
TUC-T	iP	07 39 10
	ipP	39 34
Mar. 18		
EUR	eP	10 16 03
HH	i(P)	10 15 39
Mar. 18		
COL	e(P)	11 20 40
	i	21 07
	eL	22 53
Mar. 18		
COL	iP	12 48 50
	iPeP	49 36
EUR	iP	12 44 47
HH	iP	12 45 43
RC	eP	12 44 49
THULE	eP	12 49 10
TUC	eP	12 43 29
	iP	43 33
	i(PP)	44 34
	eL	49 59
TUC-T	iP	12 43 29
	i	43 33
	iL	49 50
Mar. 18		
BC	eP	14 21 39
	e	21 52
	eS	22 20
	eL	22 39

Date and Station		Phase (GCT)
		h m s
BUT	e(P)	14 23 22
EUR	iP	14 21 14
HH	e(P)	14 23 12
	eL	25 54
SLC	eP	14 22 23
TUC	e(P)	14 23 33
	e	25 22
	eL	25 44
TUC-T	e(P)	14 22 54
	eL	25 24
UK	eP	14 21 44
	e	21 55
	eL	22 33
Mar. 18		
BC	eP	15 05 51
BOZ	eP	15 06 23
BUT	eP	15 06 29
	epP	07 04
COL	iP	15 08 55
	e	09 11
	ipP	09 33
EUR	iP	15 06 11
HH	iP	15 06 44
	ipP	07 22
RC	iP	15 05 51
	epP	06 28
SLC	eP	15 06 01
SJ	eP	15 01 44
	ePP	02 53
THULE	iP	15 08 28
	epP	09 06
TUC-T	iP	15 05 15
	ipP	05 48
Mar. 18		
EUR	eP	15 32 50
RC	e(P)	15 33 58
Mar. 18		
COL	iP	16 16 22
	i	16 33
EUR	eP	16 15 22
HH	iP	16 15 33
Mar. 18		
EUR	eP	19 10 49

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

Date and Station		Phase (GCT)
		h m s
Mar. 20		
TUC	e(P)	02 40 52
	e	42 23
Mar. 20		
BUT	e(P)	03 32 59
COL	iP	03 30 13
	e	30 34
EUR	eP	03 33 10
	e	33 37
HH	iP	03 32 46
RC	eP	03 33 33
Mar. 20		
COL	e(P)	03 58 36
	e	59 13
Mar. 20		
COL	eP	04 10 08
EUR	eP	04 12 52
HH	eP	04 12 26
RC	eP	04 13 24
Mar. 20		
TUC	eP	07 27 35
TUC-T	eP	07 27 35
Mar. 20		
COL	eP	10 17 39
EUR	e(P)	10 21 04
Mar. 20		
COL	iP	15 24 43
	iS	25 01
	iL	25 06
EUR	iP	15 30 17
	i	30 33
HH	iP	15 29 19
TUC-T	eP	15 31 29
	i	31 45
Mar. 20		
BOZ	eP	15 44 27
COL	eP	15 46 44
EUR	eP	15 43 57
	i	44 16
HH	iP	15 44 05
RC	eP	15 45 42
	e	45 56
TUC	e(P)	15 45 51
	e	46 09
TUC-T	iP	15 45 41

Date and Station		Phase (GCT)
		h m s
UK	eP	15 43 17
Mar. 20		
COL	iP	15 53 10
	i	54 02
EUR	eP	15 56 08
	epP	56 32
HH	eP	15 55 45
Mar. 20		
COL	eP	17 54 36
HH	eP	17 56 55
Mar. 20		
COL	iP	18 54 58
EUR	eP	18 54 28
TUC-T	eP	18 54 29
Mar. 20		
EUR	eP	19 16 16
	epP	16 43
TUC-T	eP	19 15 32
Mar. 20		
EUR	eP	22 16 29
Mar. 20		
COL	iP	23 27 33
	i	27 52
EUR	eP	23 27 02
Mar. 21		
EUR	iP'	00 12 27
	i	12 42
TUC	eP'	00 12 41
	iPP	16 02
TUC-T	eP'	00 12 41
	iPP	16 02
Mar. 21		
EUR	eP	00 36 47
Mar. 21		
TUC-T	eP	03 28 21
Mar. 21		
BC	eP	04 39 41
BOZ	eP	04 39 26
COL	iP	04 39 06
	ipP	41 10
EUR	eP	04 38 45
	i	39 00
	epP	40 45
	ePP	42 12
	e	44 22
GUAM	eP	04 35 19

Date and Station		Phase (GCT)
		h m s
RC	iP	04 39 35
SLC	eP	04 39 02
TUC	iP	04 38 47
	e	39 05
	epP	40 50
	iS	48 17
TUC-T	iP	04 38 47
	ipP	40 50
UK	eP	04 38 20
	epP	40 19
Mar. 21		
EUR	eP	07 36 13
Mar. 21		
COL	iP	08 56 37
EUR	eP	09 00 02
Mar. 21		
EUR	eP	15 02 52
Mar. 21		
SJ	eP	15 47 53
Mar. 21		
EUR	e(P)	16 04 09
	eP	04 12
	i	04 27
	eS	05 15
	eL	05 21
UK	eP	16 03 38
	eL	04 14
Mar. 21		
BC	eP	19 44 36
COL	iP	19 40 31
	i	40 48
	eL	44 28
EUR	iP	19 44 09
	i	44 22
	i	44 28
	ePcP	46 52
RC	eP	19 44 49
	i	45 00
TUC	iP	19 45 15
	e	45 27
TUC-T	eP	19 45 16
Mar. 21		
COL	iP	19 58 51
	i	59 12
	i	20 01 06
EUR	eP	19 58 31
HONO	iP	19 54 39

Date and Station		Phase (GCT)
		h m s
TUC	eP	19 58 31
	e	20 00 46
TUC-T	iP	19 58 32
	e	20 00 47
Mar. 21		
COL	iP	20 31 57
EUR	eP	20 28 55
RC	eP	20 29 32
Mar. 21		
EUR	eP	21 59 44
Mar. 22		
COL	eP	00 04 00
	i	04 10
	e(S)	05 20
	eL	05 26
EUR	eP	00 09 29
Mar. 22		
BC	eP	10 48 37
	e	48 51
EUR	iP	10 48 01
SLC	e(P)	10 49 06
	e	50 14
TUC	e(P)	10 50 28
	e	52 24
TUC-T	e(P)	10 50 28
	e	52 25
Mar. 22		
EUR	eP	11 40 33
Mar. 22		
EUR	iP	12 26 56
	eS	27 19
	eL	27 22
Mar. 22		
EUR	eP	14 48 01
TUC	eP	14 47 57
TUC-T	eP	14 47 58
Mar. 22		
EUR	eP	16 12 49
Mar. 22		
COL	iP	17 27 56
Mar. 22		
EUR	eP	22 37 37
Mar. 22		
COL	iP	22 47 23
Mar. 22		
EUR	eP	23 45 01
	e	46 35

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

Date and Station		Phase (GCT)
		h m s
TUC-T	iP	00 11 35
Mar. 25		
COL	eP	00 23 56
EUR	iP	00 20 57
RC	eP	00 20 38
THULE	iP	00 23 34
TUC-T	eP	00 20 57
	ePcP	21 45
Mar. 25		
BC	eP	04 33 44
BOZ	eP	04 34 31
	e	35 06
COL	iP	04 38 02
COLU	eP	04 32 34
EUR	eP	04 34 11
	i	34 28
RC	e(P)	04 35 20
	e	35 57
SLC	eP	04 34 00
TUC	eP	04 33 01
	i	33 15
TUC-T	eP	04 32 59
	i	33 14
Mar. 25		
COL	iP	06 15 59
Mar. 25		
COL	e(P)	06 53 25
EUR	eP	06 54 03
Mar. 25		
COL	eP	07 15 08
EUR	eP	07 15 19
Mar. 25		
EUR	eP	07 51 33
Mar. 25		
BUT	eP	09 31 14
Mar. 25		
COL	iP	10 10 37
	i(S)	11 46
	iL	11 53
Mar. 25		
BC	e(P)	10 38 48
	e	39 47
EUR	iP	10 36 06

Date and Station		Phase (GCT)
		h m s
Mar. 25		
COL	iP	16 36 58
Mar. 25		
RC	eP	20 33 11
Mar. 26		
BC	eP	02 37 27
COL	iP	02 36 32
	ipP	36 52
	eP'P'	03 02 49
EUR	iP	02 37 24
	ipP	37 44
	ePKKP	54 33
	eP'P'	03 02 32
	iP'P'	02 49
GUAM	eP	02 29 21
	ipP	29 36
	i	29 50
	iPP	30 05
	iPcP	33 04
	eS	33 23
	isS	33 44
	iPcS	36 41
	iScS	40 23
HONO	eT	03 29 02
	i	30 21
	i	30 57
KIP	eP	02 33 31
TUC	eP'	02 41 35
	eL	03 08 48
TUC-T	eP	02 38 11
	eP'	41 34
	iP'P'	03 02 41
Mar. 26		
EUR	eP	04 59 13
TUC-T	eP	04 58 24
Mar. 26		
COL	eP	04 56 53
	i	57 03
	eL	05 01 16
EUR	eP	05 00 30
RC	e(P)	05 01 19
	e	01 28
TUC	eP	05 01 38
	e	01 45
TUC-T	eP	05 01 38
Mar. 26		
EUR	eP	05 41 46
Mar. 26		
COL	eP	05 37 39
	ePP	41 35

Date and Station		Phase (GCT)
		h m s
EUR	eP'	05 44 07
	e	44 29
GUAM	eP	05 30 01
	i	30 08
	i	30 20
	eS	34 02
TUC	e(PP)	05 45 13
TUC-T	eP'	05 43 36
	e	43 50
Mar. 26		
BC	eP	05 57 01
	e	58 01
EUR	iP	05 56 11
SLC	e(P)	05 58 16
TUC	e(P)	06 00 47
TUC-T	eP	06 00 39
Mar. 26		
RC	eP	06 13 00
Mar. 26		
COL	eP	08 00 51
EUR	eP	08 01 59
TUC	eP'	08 05 17
	ePP	05 42
TUC-T	eP'	08 05 18
	iPP	05 41
Mar. 26		
EUR	eP	09 18 59
Mar. 26		
COL	iP	10 23 15
	i	23 26
	i(S)	24 06
	iL	24 10
Mar. 26		
COL	iP	10 37 38
TUC-T	eP	10 37 15
Mar. 26		
COL	iP	11 16 02
Mar. 26		
COL	iP	11 57 21
GUAM	iP	11 47 11
	iS	47 19
TUC	eP	11 56 58
TUC-T	eP	11 56 59
Mar. 26		
EUR	eP	13 17 53

Date and Station		Phase (GCT)
		h m s
Mar. 26		
COL	eP	13 41 57
EUR	eP	13 44 40
Mar. 26		
RC	eP	17 23 54
	e	25 10
	e	26 13
Mar. 26		
THULE	eP	18 19 19
Mar. 26		
GUAM	iP	19 19 24
	iS	19 38
Mar. 26		
EUR	eP	20 13 38
Mar. 27		
GUAM	iP	00 20 03
	iS	21 26
SLC	eP	00 31 43
Mar. 27		
BC	e(P)	02 44 40
Mar. 27		
GUAM	eP	05 12 52
Mar. 27		
EUR	eP	05 43 21
Mar. 27		
EUR	eP	06 22 15
Mar. 27		
BC	e(P)	06 50 10
COL	eP	06 46 01
Mar. 27		
COL	iP	07 04 23
Mar. 27		
BH	iP	07 06 10
	eS	09 11
BC	iP	07 10 45
BOZ	eP	07 10 41
	eScP	15 41
BUT	iP	07 10 49
	ePcP	12 07
COL	iP	07 13 19
	ipP	13 40
COLU	eP	07 07 05
	e	07 35
	eS	11 27
EUR	iP	07 10 55
	ipP	11 13
	iPcP	12 13
	eScP	15 51

Date and Station		Phase (GCT)
		h m s
HH	eP	07 11 02
RC	iP	07 09 56
	iPcP	11 41
	iScP	15 17
SLC	iP	07 10 34
SJ	iP	07 03 01
	iS	03 39
	iL	03 41
SIT	eP	07 12 42
TUC	iP	07 10 15
	epP	10 37
	ePcP	11 51
	eS	17 05
TUC-T	iP	07 10 15
	e(pP)	10 28
	iPcP	11 50
	iPP	12 04
	eScP	15 27
UK	iP	07 11 36
WASH	iP	07 07 19
	i	07 55
Mar. 27		
EUR	eP	08 40 28
Mar. 27		
BC	eP	11 27 38
EUR	iP	11 26 43
Mar. 27		
BC	eP	11 31 56
	e	32 58
EUR	iP	11 31 05
SLC	eP	11 32 14
TUC	eP	11 33 32
	e	35 32
Mar. 27		
BC	eP	12 01 06
	e	02 08
BUT	eP	12 02 09
	e	03 59
EUR	iP	12 00 19
SLC	eP	12 01 27
	e	02 21
TUC	e(P)	12 02 47
	i	02 50
	e	04 45
	i	04 55
TUC-T	eP	12 02 12
	i	03 10
	eL	04 25

Date and Station		Phase (GCT)
		h m s
UK	eP	12 01 10
	e	01 53
Mar. 27		
BC	eP	13 56 43
	e	57 47
EUR	iP	13 55 51
SLC	eP	13 57 01
TUC	e(P)	13 58 19
	e	14 00 27
	e	00 38
TUC-T	e(P)	13 57 46
	e	58 18
	eL	14 00 18
Mar. 27		
EUR	eP	17 11 09
Mar. 27		
GUAM	iP	20 09 50
	iS	10 05
	iL	10 08
Mar. 27		
BH	iP	22 59 59
	iS	23 01 54
BC	eP	23 05 49
BUT	eP	23 06 38
COL	eP	23 09 38
	ePP	12 29
EUR	iP	23 06 13
	ePcP	07 49
HH	e(P)	23 07 03
RC	eP	23 05 57
	e	06 19
SJ	eP	23 03 06
THULE	e(P)	23 09 23
	iP	09 29
TUC	eP	23 05 08
	ePP	06 40
	e	08 14
	eL	17 36
TUC-T	iP	23 05 07
Mar. 28		
GUAM	iP	00 12 05
	iS	12 15
	iL	12 18
Mar. 28		
EUR	iP	00 36 24
	e	37 14
TUC	eP	00 35 37

Date and Station		Phase (GCT)
		h m s
TUC-T	iP	00 35 38
Mar. 28		
COL	e(P)	00 52 23
Mar. 28		
EUR	eP	03 08 03
Mar. 28		
EUR	eP	03 48 50
RC	eP	03 49 15
	e	49 25
TUC	eP	03 48 04
TUC-T	eP	03 48 04
Mar. 28		
TUC	eP	06 45 49
TUC-T	eP	06 45 50
Mar. 28		
EUR	eP	07 30 08
TUC-T	eP	07 29 21
Mar. 28		
BC	eP	07 56 00
BUT	eP	07 55 25
COL	iP	07 52 10
EUR	iP	07 55 41
	iPcP	56 20
RC	iP	07 56 06
	e	56 35
THULE	iP	07 54 31
TUC	iP	07 56 32
TUC-T	iP	07 56 32
Mar. 28		
TUC-T	eP	08 06 47
Mar. 28		
COL	iP	08 44 05
EUR	iP	08 47 34
Mar. 28		
COL	iP	10 34 24
	i	36 08
	i	37 42
EUR	eP	10 37 53
Mar. 28		
COL	iP	11 01 56
Mar. 28		
THULE	e(P)	12 00 45
	i	01 36

Date and Station		Phase (GCT)
		h m s
Mar. 28		
BH	eP	12 49 14
	eS	50 05
Mar. 28		
EUR	eP	13 21 23
RC	eP	13 21 50
TUC	eP	13 20 36
TUC-T	iP	13 20 37
	i	20 41
Mar. 28		
EUR	iP	14 21 14
Mar. 28		
GUAM	iP	14 54 20
Mar. 28		
COL	iP	15 02 06
	i	02 20
EUR	iP	15 03 08
Mar. 28		
GUAM	iP	16 55 32
	iS	55 44
	iL	55 54
Mar. 28		
COL	eP	17 22 41
	iP	22 43
THULE	iP	17 23 39
Mar. 28		
EUR	eP	18 44 25
Mar. 28		
COL	iP	18 54 08
	e	54 34
THULE	e(P)	18 53 08
	e	53 32
Mar. 28		
BC	eP	19 58 32
	epP	20 00 37
BOZ	eP	19 59 07
	epP	20 01 17
BUT	iP	19 59 03
	epP	20 01 08
	ePP	02 37
	e(S)	09 03
COL	iP	19 58 58
	i	59 17
	epP	20 01 06
	eS	08 52
EUR	iP	19 58 37
	ipP	20 00 42
	ePKKP	16 56
	eSKPP'	27 20

Date and Station		Phase (GCT)
		h m s
GUAM	iP	19 55 09
HH	eP	19 59 04
RC	iP	19 59 26
	epP	20 01 37
	ePKKP	16 29
SLC	eP	19 58 52
THULE	iP	20 04 42
	e	05 21
TUC	iP	19 58 36
	i	58 54
	ipP	20 00 42
	i	01 35
	iS	08 04
	ePKKP	16 55
	iP'P'	25 06
	eSKPP'	27 17
TUC-T	iP	19 58 37
	i	58 55
	ipP	20 00 41
	ePKKP	16 54
	iP'P'	25 05
UK	iP	19 58 12
Mar. 28		
EUR	eP	20 24 55
Mar. 28		
COL	eP	21 19 48
Mar. 28		
GUAM	iP	22 11 16
	iS	11 28
	iL	11 36
Mar. 29		
GUAM	iP	03 21 37
Mar. 29		
BH	iP	05 44 01
	iS	47 21
BC	eP	05 48 34
BUT	e(P)	05 48 39
COL	e(P)	05 51 15
EUR	eP	05 48 44
	e	49 14
RC	iP	05 47 43
	e	48 01
SJ	iP	05 40 25
	iS	40 34
	iL	40 35
THULE	eP	05 50 00
TUC	eP	05 48 03
	e	48 24

Date and Station		Phase (GCT)
		h m s
TUC-T	iP	05 48 02
	e	48 25
	i	48 32
Mar. 29		
SJ	iP	06 33 11
	iS	33 21
	iL	33 22
Mar. 29		
COL	iP	06 51 20
EUR	iP	06 54 51
RC	e(P)	06 55 16
TUC	eP	06 55 41
TUC-T	eP	06 55 41
Mar. 29		
COL	iP	07 39 40
EUR	iP	07 43 11
TUC	eP	07 44 01
Mar. 29		
EUR	eP	07 55 46
TUC	eP	07 53 56
	i	54 13
	eL	55 10
TUC-T	eP	07 53 57
	i	54 14
	iL	55 12
Mar. 29		
EUR	eP	07 59 27
Mar. 29		
TUC	eP	10 05 04
	i	05 07
TUC-T	e(P)	10 05 04
	iP	05 07
Mar. 29		
GUAM	eP	16 00 58
	e(S)	02 14
Mar. 29		
TUC	eP	16 24 35
	iL	25 42
TUC-T	eP	16 24 25
	e	24 37
	eL	25 37
Mar. 29		
TUC	eP	17 39 26
TUC-T	eP	17 39 26
Mar. 29		
BC	eP	19 20 51

Date and Station		Phase (GCT)
		h m s
COL	iP	19 17 13
	ipP	18 26
EUR	iP	19 20 34
	epP	21 51
RC	eP	19 20 51
THULE	iP	19 18 52
	ipP	20 04
TUC	iP	19 21 18
TUC-T	iP	19 21 18
	ePP	24 29
Mar. 29		
THULE	eP	21 16 19
TUC	eP	21 15 01
TUC-T	eP	21 15 01
Mar. 29		
EUR	eP	22 49 28
TUC-T	eP	22 48 44
Mar. 29		
COL	e(P)	23 19 15
THULE	iP	23 16 43
Mar. 29		
THULE	iP	23 32 14
Mar. 30		
EUR	iP	01 56 49
	iS	57 10
	eL	57 13
Mar. 30		
EUR	iP	02 13 17
	iS	13 39
	iL	13 41
Mar. 30		
COL	iP	03 37 23
Mar. 30		
BH	iP	07 19 13
	iS	20 05
BC	eP	07 26 09
COL	iP	07 29 53
EUR	iP	07 26 33
RC	eP	07 26 05
THULE	iP	07 29 31
TUC	iP	07 25 29
TUC-T	iP	07 25 28
	e	25 43

Date and Station		Phase (GCT)
		h m s
Mar. 30		
COL	iP	08 25 34
	i	25 45
Mar. 30		
COL	eP	10 45 23
Mar. 30		
EUR	iP	11 05 05
Mar. 30		
COL	eP	12 52 48
Mar. 30		
COL	iP	13 30 33
	i	30 49
Mar. 30		
GUAM	iP	15 26 37
Mar. 30		
COL	iP	16 18 30
Mar. 30		
GUAM	eP	16 25 35
	iS	26 01
	iL	26 06
Mar. 30		
COL	iP	18 31 40
EUR	iP	18 31 08
TUC-T	eP	18 31 03
	i	31 07
Mar. 30		
THULE	eP	21 11 35
TUC-T	eP	21 14 38
Mar. 30		
SJ	eP	21 29 08
Mar. 31		
UK	eP	00 46 42
Mar. 31		
EUR	iP	01 11 53
TUC	eP	01 12 53
TUC-T	eP	01 12 52
Mar. 31		
COL	iP	01 09 08
EUR	iP	01 12 37
THULE	eP	01 13 12
TUC	eP	01 13 42
TUC-T	eP	01 13 42
Mar. 31		
EUR	eP	02 33 51

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Date and Station		Phase (GCT)
		h m s
Mar. 31		
COL	e(P)	03 13 17
EUR	iP	03 16 49
Mar. 31		
BH	iP	04 28 44
	iS	29 35
EUR	eP	04 36 00
TUC-T	eP	04 35 57
Mar. 31		
TUC	e(P)	05 04 04
TUC-T	eP	05 04 04
Mar. 31		
TUC	eP	07 29 25
TUC-T	eP	07 29 24
Mar. 31		
BOZ	eP	07 33 12
	e	33 38
BUT	e(P)	07 33 08
COL	iP	07 33 07
	e	43 06
	iS	43 23
	eL	57 11
EUR	iP	07 32 36
HONO	eP	07 28 18
KIP	iP	07 28 19
	i	28 48
RC	eP	07 33 33
	e	34 25
SLC	eP	07 32 56
SIT	eP	07 32 49
THULE	eP'	07 39 48
TUC	iP	07 32 36
	e	34 16
	eL	54 58
TUC-T	iP	07 32 37
	i	32 43
	ePP	35 31
Mar. 31		
BH	eP	07 44 49
	eS	52 22
Mar. 31		
BH	eP	08 13 02
Mar. 31		
COL	iP	13 21 53
TUC-T	eP	13 21 35

Date and Station		Phase (GCT)
		h m s
Mar. 31		
THULE	eP	15 58 35
	e	16 01 10
	i	02 12
Mar. 31		
COL	iP	16 06 20
Mar. 31		
COL	e(P)	16 52 25
Mar. 31		
SJ	eP	20 21 01
Mar. 31		
EUR	eP	23 56 20
TUC-T	eP	23 59 03

Date and Station		Phase (GCT)
		h m s

Date and Station		Phase (GCT)
		h m s

Date and Station	Phase (GCT)	Date and Station	Phase (GCT)	Date and Station	Phase (GCT)	Date and Station	Phase (GCT)
	h m s		h m s		h m s		h m s
Local and Minor Earthquakes		SJ		COL			
		28	12.7	22	03.5		
			12.9	23	13.5		
Mar.				27	14.1		
BUT		Mar.			15.4		
8	00.6	TUC		28	04.8		
13	14.7	1	04.9		08.6		
21	13.4	2	13.1	29	21.2		
23	15.7	3	09.4		22.5		
24	21.9	4	09.7	30	06.7		
		5	21.7	31	10.8		
Mar.		6	08.6				
EUR			23.0				
3	08.4	7	01.6				
	11.1		22.0				
4	06.5		22.4				
	08.1	9	06.2				
5	06.7	11	02.9				
	13.2	12	02.9				
13	22.4	14	08.1				
15	06.9		20.9				
17	01.1	15	04.4				
18	14.8		09.6				
20	05.2		14.9				
22	11.1	16	04.3				
		19	03.5				
Mar.			07.6				
HONO			10.2				
2	03.1		11.3				
	21.7	20	07.0				
6	02.7	22	06.2				
7	02.7		06.5				
11	03.0		11.6				
	03.5	24	03.6				
12	02.7	25	09.3				
16	02.5		14.1				
18	02.6	26	12.1				
19	03.0	27	01.2				
20	02.9		02.7				
21	01.8		06.8				
24	02.5		07.7				
			12.9				
Mar.		29	07.8				
KIP		31	05.4				
6	02.7		08.3				
7	02.7						
11	03.0	Mar.					
	03.5	UK					
16	02.5	4	21.1				
19	03.0	7	11.2				
20	02.9	10	02.8				
24	02.5	28	12.2				
Mar.		Mar.					
SJ		COL					
3	13.9	2	12.5				
	14.1	3	06.4				
	18.6	4	21.4				
6	16.4	5	19.3				
10	08.6	6	07.3				
	15.3	10	01.5				
	19.7	12	11.5				
15	22.9	13	07.6				
16	06.2	18	23.6				
	06.6	19	21.8				
24	00.4	22	00.2				
	11.3		02.2				

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