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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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1958

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. (CCLU)
University of South Carolina
*Eureka, Nev. (EUR)
Eureka Corporation Limited
Honolulu, T. H. (HONO)
*Hungry Horse, Mont. (HH)
Bureau of Reclamation
Kipapa, T. H. (KIP)
*Lincoln, Nebr. (LIN)
Nebraska Wesleyan University
**Philadelphia, Pa. (PHIL)
The Franklin Institute
**Rapid City, S. Dak. (RC)
South Dakota State School of Mines
*Salt Lake City, Utah (SLC)
University of Utah
San Juan, Puerto Rico (SJ)
Sitka, Alaska (SIT)
Tucson, Ariz. (TUC)
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, 1958 the data from the horizontal components of the seismographs at all stations except College, Honolulu, and Tucson will not be published for earthquakes occurring outside the United States. The horizontal instruments will continue in operation and the seismograms for the local and regional earthquakes will be scaled and the data published.

All magnitude determinations are by Pasadena unless otherwise stated. Minor earthquakes are listed at the end of the bulletin.

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

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

Tucson telemeter is located 9 miles northeast of Tucson at 32°20.1' North, 110°43.4' West. It was established in December 1957 to serve as an outpost station.

Date 1958	Origin Time G. C. T	Lat.	Long.	Region, Focal Depth, and Remarks
Aug.	h m s	°	°	
1	05 37 50*	16 S.	176½ W.	Fiji Islands region. h about 450 km.
1	12 28 28*	13½ N.	120½ E.	Near south coast of Luzon, Philippine Islands. Felt at Calapan, Manila, and Romblon. h about 150 km.
1	14 27 31*	19 S.	177½ W.	Fiji Islands. h about 500 km.
2	04 45 25**			Off coast of Oaxaca, Mexico.
3	01 06 24*	21½ S.	179 W.	Fiji Islands region. h about 550 km. Mag. 6¼ - 6½.
4	04 13 19*	6 S.	130 E.	Banda Sea. h about 150 km.
4	06 27 20*	15 S.	172 W.	Samoa Islands.
4	08 44 27**			Fiji Islands region.
4	13 33 55*	5½ S.	152½ E.	New Britain region.
4	17 29 43*	15½ S.	175 W.	Samoa Islands region. h about 250 km.
4	17 48 20*	43½ N.	147 E.	Kurile Islands. h about 200 km.
5	17 21 47*	24½ S.	175 W.	Tonga Islands region.
6	02 49 10**			Near coast of Northern Chile.
6	09 51 24*	24½ S.	63 W.	Salta Province, Argentina. h about 550 km.
6	14 23 25**			Solomon Islands.
6	17 16 05*	59½ N.	5½ E.	Near coast of Norway. Felt in western Norway.
6	21 09 09*	17 S.	173 W.	Tonga Islands. Mag. 6-3/4.
6	21 51 00*	12 S.	167 E.	Santa Cruz Islands. h about 150 km.
7	00 46 43**			Southeastern Wyoming. Felt in Albany County.
8	00 36 13*	55 N.	166 E.	Komandorskie Islands.
8	05 29 40*	42 N.	2½ E.	France-Spain border region. Felt at Barcelona and Gerona.
8	12 52 06*	37 N.	71½ E.	Hindu Kush. h about 200 km.
8	14 40 55*	59½ N.	139 W.	Southeastern Alaska.
8	20 37 30*	42 N.	2½ E.	France-Spain border region. Felt at Barcelona and Gerona.
9	12 47 55**			South Atlantic Ocean, about 750 miles northeast of Sandwich Islands.
10	18 06 54*	3½ S.	151½ E.	New Britain region. Felt at Rabaul.
10	23 41 37*	21½ N.	144 E.	Mariana Islands region. h about 150 km.
11	07 50 12*	18 S.	168½ E.	New Hebrides Islands.
11	20 26 22*	3 S.	100½ E.	Off coast of Sumatra.
12	08 15 59*	51½ N.	175 W.	Andreanof Islands, Aleutian Islands.
12	15 10 57*	59½ N.	139 W.	Southeastern Alaska.
12	15 35 40**			Off coast of Oaxaca, Mexico. h about 100 km.
12	16 23 42*	27 N.	110½ W.	Gulf of California.
12	16 53 13*	½ N.	126 E.	Molucca Passage foreshock.
12	19 04 20*	9½ S.	123½ E.	Timor Island.
12	19 25 05*	0	126½ E.	Molucca Passage.
12	23 12 17*	6 S.	152 E.	Near coast of New Britain. Felt at Rabaul. h about 100 km.

Date 1958	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Aug.	h m s	°	°	
13	00 11 28*	6 S.	152½ E.	Near coast of New Britain.
13	03 50 35*	½ N.	126 E.	Molucca Passage.
13	07 33 29*	36½ N.	66½ E.	Northern Afghanistan.
13	10 02 49*	6 S.	153 E.	Off coast of New Britain.
13	10 46 47**			Andreanof Islands, Aleutian Islands.
13	14 49 17*	17½ S.	178 W.	Fiji Islands region. h about 550 km.
13	16 51 55*	23½ S.	180	South of Fiji Islands. h about 550 km.
13	19 21 21**			Solomon Islands.
13	20 33 00*	51 N.	177½ W.	Andreanof Islands, Aleutian Islands.
13	21 56 31*	4½ S.	154 E.	Solomon Islands region. Felt at Rabaul. h about 200 km.
14	02 28 25*	19½ N.	146½ E.	Mariana Islands.
14	09 45 14*	23½ S.	175½ W.	Tonga Islands region.
14	11 27 00*	34½ N.	48 E.	Iran.
14	12 43 28*	14 S.	167½ E.	New Hebrides Islands.
14	14 55 10*	52 N.	175 W.	Andreanof Islands, Aleutian Islands. Mag. 6½.
14	15 18 05*	51 N.	175½ W.	Andreanof Islands, Aleutian Islands.
14	15 26 19*	34 N.	47½ E.	Iran.
15	02 26 51*	6 S.	150½ E.	New Britain.
15	06 20 53*	7 N.	73 W.	Northern Colombia. Felt. h about 200 km.
15	19 55 39*	53 N.	160½ E.	Near east coast of Kamchatka. h about 60 km. Mag. 6-3/4.
15	22 29 17*	1½ N.	125 E.	Celebes. h about 200 km. Mag. 6-3/4 - 7.
16	13 17 52*	51½ N.	176 W.	Andreanof Islands, Aleutian Islands. Mag. 6 - 6¼.
16	19 13 45*	34½ N.	48 E.	Iran. Many killed and extensive property damage in western Iran.
17	09 08 35*	51½ N.	176 W.	Andreanof Islands, Aleutian Islands. Felt at Adak.
17	10 50 40*	51 N.	176 W.	Andreanof Islands, Aleutian Islands.
17	11 16 13*	51½ N.	176 W.	do.
17	18 01 05*	3 S.	145½ E.	Bismarck Sea.
17	21 11 09*	35½ S.	179½ W.	Kermadec Islands region.
18	06 00 52**			Upper Gulf of California. Mag. 5¼.
18	06 44 14*	30½ N.	114 W.	Gulf of California. Mag. 5½.
18	10 16 40*	7½ N.	78 W.	Panama-Colombia border.
18	15 19 20*	48 N.	155 E.	Kurile Islands.
19	04 45 45*	19 S.	175 E.	Fiji Islands region.
19	16 06 18*	51½ N.	175½ W.	Andreanof Islands, Aleutian Islands.
19	16 29 44*	53 N.	160 E.	Near east coast of Kamchatka. h about 100 km.
19	21 48 07*	1 S.	149½ E.	New Ireland Island.
19	22 55 18*	1 S.	149 E.	New Ireland Island region. h about 100 km.

Date 1958	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Aug.	h m s	°	°	
20	03 40 07*	14 S.	167 E.	New Hebrides Islands. Mag. 6¼ - 6½.
20	05 00 59*	1 S.	14[illegible] E.	New Ireland Island aftershock.
20	06 22 23*	45 N.	99½ E.	Outer Mongolia.
20	08 46 04*	24 N.	122 E.	Near east coast of Formosa.
20	09 20 10*	53½ N.	159½ E.	Kamchatka.
20	09 48 38**			New Hebrides Islands.
20	17 39 38*	19 S.	170 E.	do.
20	21 42 21*	52 N.	158 E.	Kamchatka.
20	22 25 47**			Hindu Kush. h about 250 km.
20	22 48 05*	5 S.	149 E.	New Britain foreshock. h about 250 km.
21	00 12 53*	20 S.	65 W.	Southern Bolivia. h about 300 km.
21	01 09 00*	24 S.	176 W.	Tonga Islands region.
21	04 03 26*	24 S.	176 W.	do.
21	08 27 35*	26½ S.	62 W.	Santiago del Estero Province, Argentina. h about 550 km.
21	11 53 55*	28½ N.	139½ E.	Bonin Islands region.
21	12 19 00*	53 N.	163 W.	Fox Islands, Aleutian Islands.
21	20 59 10*	18 S.	176 W.	Fiji Islands region. h about 250 km.
22	00 01 21*	49½ S.	117 E.	South Indian Ocean.
22	09 56 40*	15 S.	167 E.	New Hebrides Islands. h about 100 km.
22	12 18 53*	11½ S.	97 W.	Pacific Ocean.
22	20 33 40*	51 N.	179½ W.	Andreanof Islands, Aleutian Islands.
22	22 16 48*	5½ S.	150 E.	New Britain. Felt at Port Moresby.
22	23 18 33*	26½ S.	115 W.	Pacific Ocean.
23	07 59 09*	12 S.	167 E.	Santa Cruz Islands.
23	21 56 53*	52 N.	173 W.	Andreanof Islands, Aleutian Islands.
24	08 02 30*	34 N.	48½ E.	Iran.
24	16 54 25*	14 N.	121 E.	Near coast of Luzon, Philippine Islands. Felt at Manila. h about 150 km.
25	06 27 12*	24 S.	175½ W.	Tonga Islands region.
25	08 26 35*	23 S.	173 E.	Loyalty Islands region.
26	05 00 29*	37½ N.	142 E.	Near east coast of Honshu, Japan.
26	12 20 43*	14 S.	167 E.	New Hebrides Islands foreshock.
26	12 45 02*	14 S.	167 E.	do.
26	14 40 24**			Near west coast of Java.
26	15 57 57*	12 S.	167 E.	Santa Cruz Islands. h about 150 km.
26	17 55 34*	14 S.	167 E.	New Hebrides Islands.
26	23 23 20*	14 S.	167 E.	New Hebrides Islands aftershock.
26	23 31 38*	14 S.	167 E.	do.

Date 1958	Origin Time G. C. T.	Lat.	Long.	Region, Focal Depth, and Remarks
Aug.	h m s	°	°	
26	23 45 07*	14 S.	167½ E.	New Hebrides Islands aftershock.
27	02 25 32*	4½ S.	104½ W.	About 1000 miles southwest of Galapagos Islands.
27	13 09 03*	53½ N.	159½ E.	Kamchatka.
27	15 16 35*	38 N.	20½ E.	Near west coast of Greece. Felt.
28	09 36 06*	33½ S.	69½ W.	Chile-Argentina border. Minor damage at Las Melosas, Chile.
28	18 15 49*	53 N.	170½ W.	Fox Islands, Aleutian Islands.
29	12 24 23*	14½ S.	167 E.	New Hebrides Islands. Mag. 5-3/4 - 6.
29	12 51 57*	14 S.	167 E.	New Hebrides Islands aftershock.
30	18 38 18*	27½ N.	112 W.	Gulf of California.
31	06 37 39**			Off southeast coast of Kamchatka.
31	09 18 15*	28½ N.	62 E.	Iran-Pakistan border.
31	15 24 45*	63½ N.	148 W.	Central Alaska.
31	16 19 57*	11 S.	166½ E.	Santa Cruz Islands.
31	23 00 16*	63 N.	144½ W.	Central Alaska. Mag. 5-3/4 - 6 (Berk).

Date and Station		Phase (GCT)
		h m s
Aug. 1		
EUR	eP	00 33 20
Aug. 1		
BC	eP	01 30 16
	e	30 23
EUR	eP	01 30 38
	i	30 52
	eS	31 39
	eL	31 48
Aug. 1		
TUC	eP	04 25 29
	e	27 05
TUC-T	e(P)	04 25 29
	e	27 03
Aug. 1		
BC	eP	05 49 08
	e	49 30
BOZ	eP	05 49 47
	epP	51 15
BUT	iP	05 49 40
	e	50 31
	epP	51 09
COL	iP	05 49 33
	ipP	51 05
	eS	59 22
	i	06 01 05
	esS	02 07
EUR	eP	05 49 11
	i	49 31
	ipP	50 41
	iPP	52 17
	eSKPP'	06 19 04
HONO	eP	05 45 02
	iPP	46 55
	i	48 38
	iS	50 48
	i	52 56
	iScS	54 04
HH	eP	05 49 40
	epP	51 19
	e	51 49
	eP'P'	06 16 00
KIP	eP	05 45 02
RC	iP	05 50 06
	epP	51 34
SLC	eP	05 49 32
	epP	51 01
SIT	eP	05 49 23
TUC	eP	05 49 12
	iP	49 14
	ipP	50 40
	isP	51 18
	eS	58 44

Date and Station		Phase (GCT)
		h m s
TUC	iS	05 58 48
	eSKPP'	06 19 07
TUC-T	eP	05 49 13
	iP	49 15
	epP	50 38
	esP	51 24
	eS	58 46
	eSKPP'	06 19 07
UK	eP	05 48 45
	epP	50 09
Aug. 1		
HH	e(P)	09 54 08
Aug. 1		
HH	eP	10 15 07
Aug. 1		
EUR	eP	10 44 09
	i	44 19
HH	eP	10 45 11
TUC	eP	10 43 05
	eS	52 24
TUC-T	iP	10 43 04
Aug. 1		
HONO	iP	11 09 39
KIP	iP	11 09 45D
Aug. 1		
COL	iP	12 40 17
	epP	40 57
EUR	eP'	12 46 45
TUC	ePP	12 47 42
TUC-T	ePP	12 47 41
Aug. 1		
COL	iP	14 39 25
	ipP	41 12
	eS	49 20
EUR	eP	14 39 05
	epP	40 49
TUC-T	iP	14 39 06
	i	39 24
Aug. 1		
BOZ	eP	15 25 06
	e	25 27
BUT	eP	15 24 46
EUR	eP	15 26 48
	eL	28 16
HH	iP	15 25 07
	eS	25 37
	eL	25 43

Date and Station		Phase (GCT)
		h m s
RC	e(P)	15 26 45
	eL	28 13
Aug. 1		
EUR	eP	16 07 46
HH	eP	16 07 33
Aug. 1		
HH	e(P)	16 28 26
Aug. 1		
EUR	eP	17 09 06
Aug. 1		
COL	eP	23 48 57
	e(S)	50 25
	iL	50 35
SIT	eP	23 48 34
	e	49 08
	eL	49 20
Aug. 2		
TUC	e(P)	01 33 52
Aug. 2		
COL	iP	02 01 29
	i(S)	02 37
	iL	02 53
Aug. 2		
BC	eP	04 51 15
BOZ	eP	04 52 10
BUT	eP	04 52 14
COL	iP	04 55 41
COLU	eP	04 50 28
EUR	iP	04 51 43
HH	iP	04 52 35
	e	54 07
RC	eP	04 51 33
	e	52 18
SLC	eP	04 51 34
TUC	iP	04 50 29
	e(S)	54 16
	eL	57 27
TUC-T	eP	04 50 29
Aug. 2		
COL	iP	05 14 06
	i	14 20
	iS	15 06
	iL	15 15
Aug. 2		
COL	iP	11 31 34
HH	iP	11 34 38

Date and Station		Phase (GCT)
		h m s
Aug. 2		
HH	e(P)	12 19 38
Aug. 2		
HH	e(P)	13 19 25
Aug. 2		
TUC	eP	14 31 38
Aug. 2		
SIT	eP	15 18 03
	i	18 25
	e	19 52
Aug. 2		
HH	iP	16 26 53
Aug. 2		
COL	eP	17 58 10
EUR	eP	18 01 49
Aug. 2		
SJ	iP	18 52 54
	eS	53 24
	eL	53 26
Aug. 2		
EUR	eP	19 23 39
Aug. 2		
BC	e(P)	21 49 02
	eP	49 04
	e	49 52
EUR	eP	21 49 49
TUC	eP	21 49 12
	e(S)	49 57
	eL	50 02
TUC-T	e(P)	21 49 13
	eL	50 04
Aug. 3		
BC	iP	01 17 59
	epP	20 03
BOZ	eP	01 18 34
	epP	20 39
BUT	iP	01 18 31
	epP	20 35
COL	iP	01 18 26
	ipP	20 32
	eS	28 28
	e	31 06
	esS	32 10
	i	32 29
	e	33 12
EUR	iP	01 18 05
	ipP	20 06
	eSKPP'	46 39
HONO	iP	01 14 14
	e	15 10

Date and Station		Phase	(GCT) h m s
HONO		iS	01 20 34
		eScS	23 14
		eL	27 08
HH		iP	01 18 32
		ipP	20 36
		eSKPP'	46 18
KIP		iP	01 14 15
SLC		iP	01 18 21
		epP	20 25
SIT		eP	01 18 15
		epP	20 21
TUC		iP	01 18 05
		ipP	20 10
		eS	27 37
		e	31 04
		e	31 38
		e(SKPP')	46 48
UK		iP	01 17 41
		ipP	19 43
Aug. 3			
COL		eP	03 54 24
		e(S)	56 21
		iL	56 40
EUR		eP	03 57 51
SIT		eP	03 53 17
		eS	53 49
		eL	53 51
Aug. 3			
COL		eP	05 16 41
		eL	20 52
EUR		iP	05 20 12
HH		e(P)	05 19 37
TUC-T		eP	05 21 18
Aug. 3			
EUR		eP	10 18 25
Aug. 3			
EUR		eP	11 02 49
HH		e(P)	10 59 39
		i	11 02 15
		i	04 29
Aug. 3			
COL		iP	11 08 50
		iS	09 29
		iL	09 42
HH		iP	11 13 21
Aug. 3			
EUR		eP	17 05 19
Aug. 3			
EUR		eP	19 30 29

Date and Station		Phase	(GCT) h m s
Aug. 3			
HH		eP	23 43 24
Aug. 4			
BH		iP'	04 32 59
		ipP'	33 48
BC		eP'	04 31 56
		ePP	32 40
BOZ		eP'	04 31 47
BUT		eP'	04 31 45
COL		iP	04 26 14
		ipP	27 01
		iPP	30 05
		eS	36 59
		esS	38 07
		e	39 27
		e	42 04
		eL	50 55
COLU		eP'	04 32 29
		e	32 36
		e	33 25
		ePP	35 34
EUR		eP	04 27 53
		iP'	31 30
HONO		iP	04 24 54
		ipP	25 42
		eS	34 20
		isS	35 26
		e(SS)	40 52
		eL	44 16
HH		eP	04 27 45
		ipP	28 18
		iP'	31 41
		iPP	32 25
		i(P'P')	50 04
KIP		iP	04 24 55
		epP	25 42
RC		e(P)'	04 31 57
		e	32 03
SJ		iP'	04 33 05
		ipP'	33 47
		e	34 39
		ePP	38 24
TUC		iP'	04 31 54
TUC-T		iP'	04 31 54
		epP'	32 44
		e	34 05
		ePKKP	42 17
Aug. 4			
EUR		eP	05 42 34
Aug. 4			
HH		e(P)	06 15 06
		i	15 37

Date and Station		Phase	(GCT) h m s
Aug. 4			
COL		eP	06 39 37
EUR		eP	06 39 02
Aug. 4			
COL		eP	08 57 29
EUR		eP	08 57 08
TUC		eP	08 57 08
TUC-T		eP	08 57 09
Aug. 4			
COL		eP	13 46 22
EUR		eP	13 47 24
HH		eP	13 47 30
Aug. 4			
COL		eP	16 15 51
Aug. 4			
HH		i(P)	17 16 49
Aug. 4			
COL		iP	17 41 42
		ipP	42 46
TUC-T		e(P)	17 41 15
		epP	42 16
Aug. 4			
COL		iP	17 55 49
EUR		eP	17 59 07
HH		iP	17 58 39
RC		eP	17 59 32
Aug. 4			
EUR		eP	19 51 43
HH		iP	19 51 29
Aug. 4			
COL		iP	20 10 54
		i	11 15
Aug. 4			
COL		iP	20 59 28
		i	21 00 06
Aug. 4			
EUR		eP	21 09 02
TUC-T		eP	21 08 58
Aug. 4			
COL		iP	23 53 26
		i	53 42
Aug. 5			
COL		eP	01 40 40
		e	40 59

Date and Station		Phase	(GCT) h m s
HH		e(P)	01 40 28
Aug. 5			
EUR		eP	02 17 54
Aug. 5			
EUR		eP	02 57 41
Aug. 5			
COL		iP	04 06 03
Aug. 5			
COL		iP	08 40 15
		iS	40 54
		iL	41 03
EUR		eP	08 45 02
Aug. 5			
COL		eP	08 57 49
EUR		eP	09 01 16
HH		eP	09 00 45
Aug. 5			
HH		eP	15 43 24
Aug. 5			
EUR		eP	16 42 38
HH		eP	16 45 27
		e	47 32
Aug. 5			
HH		eP	17 17 15
Aug. 5			
EUR		eP	17 24 13
HH		eP	17 25 07
Aug. 5			
EUR		eP	17 27 50
Aug. 5			
COL		eP	17 34 57
		i	35 45
EUR		eP	17 34 22
HH		eP	17 35 11
TUC-T		eP	17 34 20
		e	36 44
Aug. 5			
EUR		eP	20 44 05
Aug. 5			
COL		iP	20 55 49
EUR		eP	20 52 53
HH		iP	20 53 32
TUC-T		eP	20 51 52

B-4287-4

Date and Station		Phase (GCT)
		h m s
Aug. 5		
COL	iP	21 39 22
EUR	eP	21 35 13
	i	39 04
HH	eP	21 35 21
TUC	eP	21 39 07
TUC-T	eP	21 37 53
Aug. 6		
EUR	eP	00 45 00
Aug. 6		
EUR	eP	02 49 45
Aug. 6		
EUR	eP	03 00 45
HH	iP	03 01 16
SJ	e(P)	02 56 32
TUC	e(P)	02 59 57
Aug. 6		
EUR	eP	03 43 44
HH	eP	03 43 11
Aug. 6		
BOZ	e(P)	03 58 46
COL	eP	03 55 24
EUR	eP	03 58 46
HH	iP	03 58 18
	i	04 00 32
RC	eP	03 59 29
Aug. 6		
HH	e(P)	04 27 48
Aug. 6		
HH	eP	04 33 09
	i	35 19
Aug. 6		
HH	e(P)	04 44 28
	e	45 06
Aug. 6		
EUR	iP	05 43 21
	i	43 39
HH	eP	05 46 50
Aug. 6		
HH	eP	06 03 16
Aug. 6		
EUR	eP	07 55 53
Aug. 6		
COL	iP	09 08 18

Date and Station		Phase (GCT)
		h m s
EUR	eP	09 13 14
HH	iP	09 12 41
	i	15 11
Aug. 6		
BC	iP	10 02 29
BOZ	eP	10 02 58
BUT	iP	10 02 58
COLU	eP	10 00 47
EUR	iP	10 02 44
	ipP	04 43
	iSKPP'	32 00
HH	iP	10 03 09
	epP	05 12
	eS	12 55
	iSKPP'	31 43
RC	iP	10 02 28
SJ	iP	09 58 35
TUC	iP	10 02 00
	e	05 23
	e	08 31
	e	18 15
TUC-T	iP	10 02 00
	epP	03 58
Aug. 6		
COLU	eP	10 33 36
Aug. 6		
HH	i(P)	11 34 01
Aug. 6		
HH	eP	12 18 52
	e	20 32
Aug. 6		
COL	eP	13 03 12
Aug. 6		
COL	iP	14 35 55
	i	36 03
EUR	iP	14 36 37
Aug. 6		
COL	eP	15 15 13
Aug. 6		
HH	eP	16 46 05
Aug. 6		
COL	eP	17 25 43
Aug. 6		
BC	eP	21 21 01C
	e	21 44
BOZ	eP	21 21 42C
	e	22 08

Date and Station		Phase (GCT)
		h m s
BUT	eP	21 21 37C
	e	21 59
COL	iP	21 21 41C
	e	24 42
	iS	31 59
	e	32 57
	e	33 44
	ePKKP	39 49
	eL	47 17
	eP' P'	47 55
EUR	iP	21 21 06C
HONO	iP	21 16 53
	eT	56 45
	iT	57 17
HH	iP	21 21 39C
	ePP	24 49
	iPKKP	40 00
	eP' P'	47 39
KIP	iP	21 16 54
RC	eP	21 22 03
	eP' P'	48 02
SIT	eP	21 21 22
	e	21 36
TUC	iP	21 21 05
	eL	39 36
TUC-T	iP	21 21 06
UK	iP	21 20 41C
	i	21 01
WASH	e(P)'	21 27 38
	eSKS	34 21
	eL	22 07 27
Aug. 6		
HH	eP	21 54 37
Aug. 6		
BC	eP	22 03 40
	epP	04 13
BOZ	e(P)	22 04 40
BUT	eP	22 04 34
COL	iP	22 03 19
	epP	03 52
EUR	iP	22 03 39
	ipP	04 13
HH	iP	22 03 58
	ipP	04 30
TUC	eP	22 03 50
	epP	04 24
TUC-T	iP	22 03 51
	ipP	04 25

Date and Station		Phase (GCT)
		h m s
Aug. 6		
COL	eP	22 11 11
	i	11 15
	i(S)	11 45
	iL	11 53
Aug. 6		
HH	eP	23 36 07
	e	38 39
Aug. 6		
EUR	eP	23 46 01
Aug. 6		
EUR	eP	23 51 39
Aug. 7		
EUR	eP	00 08 03
Aug. 7		
BC	eP	00 49 21
	eL	51 07
BOZ	eP	00 48 26
	eL	49 45
BUT	e(P)	00 48 41
	e	48 49
EUR	iP	00 48 39
	eL	50 44
HH	eP	00 48 59
	iL	51 31
TUC	eP	00 49 42
	eL	51 47
TUC-T	eP	00 49 40
	eL	51 40
Aug. 7		
COL	iP	01 03 48
	e(S)	04 38
	iL	04 50
Aug. 7		
EUR	eP	04 16 41
Aug. 7		
EUR	eP	05 54 34
Aug. 7		
EUR	e(P)	06 00 39
Aug. 7		
COL	iP	09 16 24
	iS	17 14
	iL	17 22
EUR	eP	09 21 38
HH	eP	09 20 42
Aug. 7		
EUR	eP	10 20 39

Date and Station		Phase	(GCT) h m s
Aug. 7			
COL		eP	11 08 05
HH		iP	11 10 13
Aug. 7			
COL		eP	11 40 04
Aug. 7			
HH		e(P)	14 06 56
Aug. 7			
COL		iP	15 41 51
		i	42 03
EUR		eP	15 41 18
TUC-T		e(P)	15 41 16
		e	41 42
Aug. 7			
TUC-T		eP	16 04 07
Aug. 7			
COL		eP	16 12 08
EUR		eP	16 14 00
HH		eP	16 13 58
Aug. 7			
TUC-T		eP	16 35 25
Aug. 7			
COL		eP	18 06 42
Aug. 7			
COLU		eP	20 55 56
Aug. 7			
SLC		e(P)	22 45 38
Aug. 7			
HH		iP	23 04 26
Aug. 7			
BUT		eP	23 45 07
Aug. 8			
BC		eP	00 45 51
COL		iP	00 41 34
		i	42 51
		i	43 07
EUR		iP	00 45 28
		iPeP	46 48
HH		iP	00 44 49
SLC		e(P)	00 45 38
TUC		eP	00 46 25
TUC-T		eP	00 46 25
Aug. 8			
EUR		eP	01 47 59
Aug. 8			
EUR		eP	01 49 26
Aug. 8			
HH		e(P)	04 11 19
Aug. 8			
EUR		eP	04 35 06
Aug. 8			
EUR		eP	05 41 57
HH		iP	05 41 14
TUC		eP	05 42 09
TUC-T		eP	05 42 09
Aug. 8			
HH		iP	07 00 26
Aug. 8			
COL		iP	07 15 46
		i	15 59
		i(S)	16 33
		iL	16 39
Aug. 8			
COL		iP	07 31 49
		i	32 03
		iL	32 54
EUR		iP	07 36 42
HH		eP	07 35 34
		eL	41 35
SIT		e(P)	07 32 52
		e	34 02
TUC		eP	07 37 56
TUC-T		eP	07 37 55
Aug. 8			
COL		eP	08 28 30
Aug. 8			
COL		eP	08 42 09
Aug. 8		iP	09 48 28
		e(S)	49 15
		eL	49 25
Aug. 8			
COL		iP	13 03 25
		i	04 16
EUR		eP	13 04 00
HH		eP	13 05 11
Aug. 8			
BC		e(P)	13 45 00
		e	45 08
BUT		eP	13 45 41
EUR		e(P)	13 44 39
		iP	44 57
		iS	45 44
		iL	45 56
Aug. 8			
COL		eP	14 42 35
		i	43 24
		i(S)	43 54
		iL	44 12
EUR		eP	14 46 19
HH		eP	14 45 11
		eL	50 34
RC		eP	14 46 38
SIT		eP	14 41 52
		eL	42 37
TUC-T		eP	14 47 33
Aug. 8			
COL		eP	16 28 58
EUR		eP	16 32 29
TUC-T		eP	16 33 29
Aug. 8			
BUT		e(P)	20 49 12
COL		e(P)	20 48 48
EUR		eP	20 49 48
HH		iP	20 49 05
RC		eP	20 48 51
TUC-T		eP	20 50 01
Aug. 9			
SLC		eP	01 44 01
		e	47 25
Aug. 9			
COLU		e(P)	02 14 41
		e	14 44
		e	15 19
Aug. 9			
BUT		eP	04 42 09
EUR		eP	04 41 44
		eS	42 31
		eL	42 41
HH		e(P)	04 42 37
		e	44 16
SLC		iP	04 41 14
		i	41 30
Aug. 9			
HH		eP	09 46 38
Aug. 9			
COL		eP	10 32 41
Aug. 9			
COL		eP	11 40 29
Aug. 9			
HH		e(P)	12 28 55
Aug. 9			
COL		eP	12 55 03
		i	55 07
		i	55 51
HH		e(P)	12 51 34
Aug. 9			
BC		eP'	13 07 01
BOZ		eP'	13 06 46
		e	07 08
		e	09 06
BUT		eP'	13 07 10
COL		iP'	13 07 29
		i	07 53
EUR		eP'	13 07 06
		e	08 48
HH		iP'	13 06 48
		i	07 13
		e	09 26
RC		eP'	13 07 56
SLC		eP'	13 07 03
		e	07 11
SIT		eP'	13 07 41
TUC		eP'	13 06 51
TUC-T		eP'	13 06 52
		e	08 06
Aug. 9			
BC		e(P)	13 45 08
COL		iP	13 41 33
EUR		eP	13 44 49
HH		iP	13 44 21
RC		eP	13 45 14
TUC		eP	13 45 35
		e	45 49
TUC-T		eP	13 45 35
		e	45 46
		e	46 12
Aug. 9			
EUR		eP	14 11 24
COL		eP	14 37 49

Date and Station		Phase (GCT)
		h m s
EUR	eP	14 35 33
HH	iP	14 35 40
SLC	eP	14 35 13
TUC-T	e(P)	14 34 51
Aug. 9		
EUR	eP	19 35 23
Aug. 9		
COL	eP	19 43 20
EUR	eP	19 45 45
		46 51
HH	iP	19 46 16
RC	eP	19 47 26
TUC-T	eP	19 47 47
Aug. 9		
COL	iP	21 41 39
EUR	eP	21 45 09
Aug. 9		
COL	eP	21 53 53
Aug. 10		
COL	eP	03 22 01
	i	22 10
EUR	eP	03 24 59
HH	iP	03 24 34
	i	24 46
RC	e(P)	03 25 24
	e	25 36
Aug. 10		
HH	e(P)	03 56 59
Aug. 10		
EUR	eP	06 10 09
Aug. 10		
EUR	eP	07 05 01
	i(S)	06 19
	iL	07 19
HH	e(P)	07 06 58
TUC	e(P)	07 03 42
	e	03 49
	e(S)	04 31
	eL	04 35
TUC-T	eP	07 03 43
	e	03 51
	eS	04 32
	eL	04 36
Aug. 10		
HH	eP	08 00 37

Date and Station		Phase (GCT)
		h m s
Aug. 10		
COL	eP	08 34 00
EUR	iP	08 37 31
HH	eP	08 36 56
RC	eP	08 38 04
TUC	eP	08 38 27
Aug. 10		
EUR	e(P)	09 56 44
Aug. 10		
TUC-T	eP	13 06 35
Aug. 10		
EUR	eP	18 11 06
Aug. 10		
COL	iP	18 18 13
EUR	eP	18 19 20
HONO	e(S)	18 23 50
	eL	30 02
HH	eP	18 19 27
RC	ePP	18 24 16
SIT	eP	18 18 32
Aug. 10		
BC	eP	20 08 35
EUR	iP	20 08 25
TUC	eP	20 08 43
TUC-T	e(P)	20 08 34
UK	eP	20 08 24
Aug. 10		
BC	eP	20 24 34
	e	25 30
BUT	eP	20 27 13
	e	27 30
EUR	iP	20 23 36
HH	e(P)	20 26 33
	i	28 07
SLC	e(P)	20 24 29
	e	25 39
TUC	eP	20 26 03
	e	28 22
TUC-T	e(P)	20 26 03
	e	26 21
	e	28 11
	e	28 24

Date and Station		Phase (GCT)
		h m s
Aug. 10		
BOZ	eP	23 53 54
BUT	eP	23 53 53
	epP	54 27
COL	iP	23 51 40
	ipP	52 16
EUR	iP	23 53 51
	ePP	56 59
HH	iP	23 53 44
	ipP	54 17
	ePP	56 53
	iPPP	58 57
RC	eP	23 54 26
	e	54 36
SLC	eP	23 54 07
	epP	54 37
TUC	iP	23 54 28
TUC-T	iP	23 54 28
	epP	54 59
	ePP	58 02
Aug. 11		
EUR	eP	02 07 38
Aug. 11		
HH	e(P)	04 39 16
Aug. 11		
HH	i(P)	04 52 18
Aug. 11		
HH	e(P)	04 59 47
Aug. 11		
BC	eP	08 06 17
COL	eP	08 06 10
EUR	iP	08 06 20
	e	07 50
HH	eP	08 06 39
	ePP	10 36
TUC	iP	08 06 26
TUC-T	iP	08 06 26
UK	eP	08 05 56
Aug. 11		
EUR	iP	11 38 34
Aug. 11		
COL	iP	18 42 40
	i	42 52
	i(S)	43 22
	iL	43 38
EUR	eP	18 46 22

Date and Station		Phase (GCT)
		h m s
Aug. 11		
HONO	eP	19 02 13
	eS	02 45
	eL	02 48
KIP	iP	19 02 14
	eS	02 44
	eL	02 49
Aug. 11		
COL	iP	20 07 52
	i	08 18
Aug. 11		
EUR	eP	20 36 38
Aug. 11		
COL	eP'	20 44 18
COLU	eP'	20 46 12
EUR	eP'	20 45 39
HH	eP'	20 45 28
	ePP	47 39
Aug. 11		
EUR	iP	23 29 16
HH	iP	23 28 46
Aug. 11		
HH	eP	23 38 19
Aug. 12		
EUR	eP	07 26 20
Aug. 12		
EUR	eP	07 33 24
	i	33 38
Aug. 12		
BC	eP	08 24 19
BUT	eP	08 23 43
COL	eP	08 20 27
COLU	eP	08 26 53
	e	27 10
EUR	iP	08 23 56
	i	24 12
	iPcP	25 49
HH	iP	08 23 25
	iPcP	25 37
	i	25 51
	eS	29 12
	i	29 45
RC	iP	08 24 35
	e(S)	31 26
SLC	eP	08 24 10
SIT	eP	08 21 15

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

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Date and Station		Phase (GCT) h m s
Aug. 13		
COL	iP	07 45 17
EUR	eP	07 47 40
	ePKKP	08 03 22
HH	iP	07 46 59
	ePP	50 46
RC	eP	07 47 17
SIT	eP	07 46 10
Aug. 13		
COL	eP	08 55 51
EUR	eP	08 59 20
HH	iP	08 58 49
	iPcP	09 00 57
RC	eP	08 59 58
TUC	eP	09 00 21
Aug. 13		
COL	eP	10 15 16
EUR	iP	10 16 16
HH	eP	10 16 23
Aug. 13		
BC	eP	10 54 22
BOZ	eP	10 54 52
BUT	eP	10 54 44
COL	eP	10 51 30
	i	51 34
	eS	55 32
	eL	58 25
EUR	iP	10 54 58
	i	55 07
HH	iP	10 54 28
	i	54 37
	iPcP	56 31
	eS	11 00 20
	e	00 36
KIP	eP	10 53 33
	eT	11 29 02
RC	iP	10 55 36
	i	55 45
	e	11 01 14
	eS	02 40
SLC	eP	10 55 12
	e	55 21
SJ	eP	10 59 44
TUC	eP	10 55 59
	e	56 08
	ePcP	57 25

Date and Station		Phase (GCT) h m s
Aug. 13		
HH	iP	13 58 51
Aug. 13		
COL	iP	15 01 01
	e	01 49
	ipP	03 06
	i	03 19
EUR	iP	15 00 43
	epP	02 44
HH	iP	15 01 09
TUC	eP	15 00 44
Aug. 13		
COL	iP	16 28 36
	i	28 45
	i	29 24
Aug. 13		
BC	eP	17 03 40
COL	iP	17 04 06
	epP	06 06
	ePP	08 03
EUR	iP	17 03 45
	epP	05 44
HONO	iP	17 00 00
HH	eP	17 04 13
KIP	eP	16 59 59
SLC	eP	17 04 02
TUC	iP	17 03 45
Aug. 13		
COL	eP	17 44 57
Aug. 13		
COL	iP	19 33 47
EUR	eP	19 34 40
Aug. 13		
BC	eP	20 21 32
BOZ	eP	20 21 05
	e	21 20
BUT	eP	20 20 48
	e	21 24
COL	eP	20 17 46
	i	17 49
	eS	21 42
	iS	21 53
	eL	22 29
COLU	iP	20 24 05
	e	24 21
EUR	iP	20 21 10

Date and Station		Phase (GCT) h m s
HONO	eP	20 19 38
	eS	24 56
	eL	27 16
HH	iP	20 20 41
	i	20 55
	eS	26 36
KIP	eP	20 19 38
RC	iP	20 21 49
	eS	28 54
SLC	eP	20 21 24
	e	22 07
SJ	eP	20 25 56
	e	26 11
SIT	iP	20 18 34
	i	18 49
TUC	iP	20 22 10
	ePP	24 39
	e(S)	29 38
	eL	37 16
UK	eP	20 20 34
	e	21 16
WASH	eP	20 24 03
	ePP	26 33
	eS	33 07
	eSS	38 11
	eL	42 09
Aug. 13		
HH	eP	21 25 09
Aug. 13		
COL	iP	22 08 27
	ipP	09 15
EUR	iP	22 09 29
	ipP	10 19
HH	e(P)	22 10 26
Aug. 13		
EUR	eP	23 28 20
HH	e(P)	23 29 02
Aug. 13		
EUR	iP	23 35 54
	i	36 14
HH	iP	23 36 25
	i	36 44
	e	37 22
SJ	e(P)	23 32 43
	e	32 49
TUC	eP	23 35 09
Aug. 14		
EUR	eP	00 44 55

Date and Station		Phase (GCT) h m s
Aug. 14		
BC	e(P)	02 41 11
BUT	eP	02 41 00
COL	eP	02 38 49
EUR	eP	02 40 52
	i	41 01
HH	eP	02 40 45
RC	eP	02 41 33
TUC	eP	02 41 33
	ePP	45 05
Aug. 14		
COL	eP	05 27 07
Aug. 14		
HH	e(P)	05 44 04
Aug. 14		
EUR	eP	07 39 53
HH	eP	07 40 58
RC	eP	07 40 03
TUC	eP	07 38 31
	eL	44 34
Aug. 14		
BC	eP	09 57 44
BUT	eP	09 58 18
COL	iP	09 58 21
EUR	iP	09 57 50
HH	eP	09 58 19
	e	58 32
RC	eP	09 58 46
TUC	eP	09 57 47
	e	58 05
Aug. 14		
EUR	eP	10 26 50
HH	eP	10 28 36
TUC	eP	10 25 01
	i	25 20
	e(S)	26 08
	eL	26 10
Aug. 14		
COL	iP	11 39 14
EUR	eP	11 41 13
HH	eP	11 40 30
	ePKKP	57 17

Date and Station	Phase	(GCT) h m s
RC	eP	11 40 39
Aug. 14		
COL	iP	12 02 31
	iS	03 18
	iL	03 25
Aug. 14		
BOZ	eP	12 15 23
COL	iP	12 11 55
EUR	iP	12 15 32
HH	iP	12 14 58
RC	iP	12 15 57
	e	16 12
SLC	eP	12 15 43
TUC	eP	12 16 25
	e	16 40
Aug. 14		
COL	iP	12 56 11
EUR	iP	12 56 30
HH	e(P)	12 56 27
TUC	e(P)	12 56 39
Aug. 14		
BH	iP	15 07 57D
	iSKS	18 31
BC	ePcP	15 04 36
BOZ	iP	15 03 02C
	i	03 16
	i	04 19
	eS	08 45
BUT	eP	15 02 53
	eS	08 41
	eL	12 02
COL	iP	14 59 38
	iS	15 03 27
	iL	04 38
COLU	iP	15 06 05
	e(S)	14 55
EUR	iP	15 03 06
HONO	eP	15 01 46
	iS	07 04
	eL	09 14
HH	iP	15 02 37
	iS	08 33
	iScS	12 48
KIP	eP	15 01 45
	eT	36 29
	iT	36 56

Date and Station	Phase	(GCT) h m s
RC	iP	15 03 56(
	e	09 07
	eS	10 38
SLC	eP	15 03 22
	e	03 28
SJ	iP	15 07 58
	i	08 12
SIT	iP	15 00 27
	eS	04 47
	eL	07 54
TUC	iP	15 04 08
	i	04 19
	ePP	06 07
	i	06 22
	eS	11 20
	e(SS)	14 48
	eL	21 16
UK	eP	15 02 31
	eL	13 43
WASH	iP	15 06 00
	eS	14 22
	eSS	19 05
Aug. 14		
EUR	iP	15 08 48
Aug. 14		
BC	eP	15 26 28
BOZ	eP	15 26 00
COL	eP	15 22 37
EUR	eP	15 26 02
HH	iP	15 25 35
	i	27 46
	e	31 31
RC	iP	15 26 43
SLC	eP	15 26 20
SIT	eP	15 23 24
Aug. 14		
COLU	eP	15 34 56
HH	e(P)	15 34 25
Aug. 14		
COL	eP	15 38 32
HH	iP	15 39 51
	e	43 35
RC	eP	15 39 58
Aug. 14		
COL	eP	16 37 01
EUR	eP	16 40 27

Date and Station	Phase	(GCT) h m s
HH	eP	16 39 57
RC	eP	16 41 05
Aug. 14		
EUR	eP	16 57 44
Aug. 14		
EUR	eP	17 19 30
HH	e(P)	17 22 08
Aug. 14		
BOZ	eP	18 16 55
COL	eP	18 13 36
EUR	eP	18 16 59
HH	eP	18 16 30
RC	eP	18 18 14
Aug. 14		
EUR	eP	22 54 59
HH	eP	22 54 26
Aug. 15		
EUR	eP	00 32 21
Aug. 15		
HH	eP	01 57 40
Aug. 15		
EUR	eP	02 40 33
HH	e(P)	02 40 45
Aug. 15		
EUR	iP	03 04 29
HH	eP	03 04 00
RC	eP	03 05 22
TUC	eP	03 06 29
Aug. 15		
HH	eP	03 14 27
Aug. 15		
EUR	eP	03 34 30
Aug. 15		
HH	eP	05 57 56
Aug. 15		
BH	iP	06 22 27
	iS	23 42
BC	eP	06 29 18
	epP	29 54
BOZ	eP	06 29 38
	epP	30 16
BUT	eP	06 29 46

Date and Station	Phase	(GCT) h m s
COL	iP	06 32 30
	i	32 40
	iPP	35 28
COLU	eP	06 26 31
EUR	iP	06 29 36
	ipP	30 14
HH	iP	06 30 01
	ipP	30 39
	iaP	31 04
RC	iP	06 28 57
	ipP	29 34
	e(PcP)	30 32
SLC	eP	06 29 20
	e	29 27
SJ	iP	06 23 55
	e	24 10
	i(S)	26 14
SIT	iP	06 31 45
TUC	iP	06 28 40
UK	eP	06 30 12
WASH	iP	06 27 13
Aug. 15		
HH	eP	09 49 04
Aug. 15		
HH	e(P)	10 17 48
Aug. 15		
HH	e(P)	11 21 54
Aug. 15		
COL	iP	13 22 25
	eS	23 36
	eL	23 42
EUR	eP	13 27 29
HH	iP	13 26 38
	i	30 01
	i	33 48
RC	eP	13 27 57
	e	29 18
TUC	eP	13 28 44
Aug. 15		
EUR	eP	13 30 26
Aug. 15		
EUR	eP	13 34 08
Aug. 15		
COL	iP	16 12 11
Aug. 15		
EUR	e(P)	18 01 27

Date and Station		Phase (GCT)
		h m s
EUR	iP	18 01 33
Aug. 15		
COL	eP	18 32 13
Aug. 15		
COL	iP	18 32 50
	eL	34 34
EUR	e(P)	18 35 37
	iP	35 43
HH	eP	18 35 07
	e	36 38
RC	eP	18 36 19
Aug. 15		
EUR	iP	19 41 42
Aug. 15		
BH	ePP	20 13 46
	i(S)	22 40
BC	eP	20 05 41C
	ePcP	06 37
BOZ	eP	20 05 08C
	epP	05 25
BUT	eP	20 05 01C
	epP	05 12
	ePcP	06 37
COL	iP	20 01 30C
	iS	06 08
	iL	08 55
COLU	iP	20 07 37C
EUR	iP	20 05 19C
	ePKKP	21 40
	eP'P'	34 19
	iP'P'	35 03
HONO	iP	20 04 05C
	ipP	04 17
	isP	04 29
	iPcP	05 33
	iPP	06 05
	iS	10 00
	i	10 34
	iL	14 03
	eT	51 17
	iT	51 50
	iT	52 20
HH	iP	20 04 42C
	i	05 05
	ePP	07 12
	iS	12 14
	eScS	14 56
	eP'P'	34 45
KIP	iP	20 03 54C
	ipP	04 16
	eT	51 37
	iT	52 17
	i	54 36
KIP	eT	20 55 56
RC	iP	20 05 43C
	e(S)	13 58
	ePKKP	24 56
	eP'P'	35 16
	e	37 09
SLC	eP	20 05 29C
	e	05 48
	ePcP	06 24
SJ	eP	20 09 16D
SIT	iP	20 02 42D
	i	02 50
	e	03 01
	eS	08 32
TUC	eP	20 06 14C
	ipP	06 25
	i(SPP)	10 54
	iS	14 53
	eSS	19 14
	eL	22 20
	eP'P'	35 05
	iP'P'	35 16
UK	eP	20 05 04C
WASH	iP	20 07 23D
Aug. 15		
EUR	eP	22 20 11
HH	iP	22 19 42
RC	eP	22 21 09
Aug. 15		
EUR	eP	22 36 09
Aug. 15		
COL	e(P)	22 41 36
Aug. 15		
BH	iP'	22 48 51C
RC	eP	22 43 52C
	eP'	47 41
BOZ	e(P)	22 43 57
	eP'	47 39
	e	48 26
	ePP	49 12
BUT	epP	22 43 36
	ePP	47 35
	e(PKKP)	57 21
COL	eP	22 41 45
	epPP	46 00
	iS	51 52
	i	53 05
	e	57 58
	ePKKP	59 13
	e	59 54
	eL	23 04 28
	eP'P'	07 55
COLU	eP'	22 48 18
	e	48 23
EUR	eP	22 43 35
	iP'	47 33
HONO	iP	22 40 56D
	ipP	41 55
	iS	50 44
	i	51 24
	isS	52 17
	iSS	55 11
	iSSS	58 56
	iL	23 01 00
HH	eP	22 43 26
	i	44 16
	iP'	46 49
	isPP	48 45
	iSPP	57 05
	e	58 02
	iP'P'	58 41
	e	59 32
	e(SS)	23 02 27
	eSKPP'	09 16
	eL	12 12
KIP	iP	22 40 56
	isP	42 05
	iPP	43 58
RC	eP	22 44 20
	eP'	47 45C
	ePKKP	58 16
SLC	eP	22 47 43C
	eP'	48 37
SJ	eP'	22 48 58
	i	49 29
	e	50 14
SIT	eP	22 42 20C
	e(pP)	43 28
	ePP	46 32
	iPP	46 43
	epPP	47 28
TUC	eP'	22 47 48
	e	48 02
	iPP	49 05
	esPP	50 17
	iPS	58 35
	iPSP	59 35
	iSKKP	23 01 05
	eL	16 18
UK	eP'	22 47 58
WASH	iP'	22 48 20
Aug. 15		
BUT	eP	22 58 44
	e	23 03 36
EUR	iP	23 58 41
Aug. 16		
HONO	iP	01 27 11
KIP	eP	01 27 06
Aug. 16		
COL	iP	01 41 40
Aug. 16		
SLC	e	02 37 34
	eP	38 09
Aug. 16		
EUR	eP	04 29 51
Aug. 16		
EUR	eP	06 17 23
Aug. 16		
EUR	eP	07 24 40
Aug. 16		
EUR	eP	08 16 32
Aug. 16		
EUR	eP	10 51 51
Aug. 16		
BC	eP	11 26 14
BOZ	eP	11 26 53
BUT	eP	11 26 50
COL	eP	11 26 53
EUR	iP	11 26 21
HH	eP	11 26 50
RC	eP	11 27 12
TUC	eP	11 26 17
	eL	51 46
Aug. 16		
SJ	e(P)	11 42 32
Aug. 16		
BH	iP	12 11 22
COL	eP	12 19 43
EUR	eP	12 16 31
HH	iP	12 17 03
RC	eP	12 16 11
	e	16 15
TUC	e(P)	12 15 29
Aug. 16		
COL	iP	12 59 44
	iS	13 00 20
	iL	00 22

Date and Station		Phase (GCT) h m s
Aug. 16		
BH	iP	13 30 42G
	iS	41 16
BC	eP	13 26 15
BOZ	eP	13 25 46
BUT	eP	13 25 38
	e	26 31
	ePcP	27 12
COL	iP	13 22 25
	eS	26 08
	eL	28 00
COLU	iP	13 28 49
EUR	iP	13 25 52
HONO	eP	13 24 32
	iS	29 50
	iL	32 24
HH	iP	13 25 22
	iPcP	27 36
	iS	31 21
	eL	34 21
KIP	eP	13 24 28
	eT	59 39
	iT	14 00 08
RC	iP	13 26 31
	e(S)	33 44
SJ	iP	13 30 43
SIT	iP	13 23 13
TUC	iP	13 26 52
	i	27 04
	eS	34 10
	eL	38 24
UK	eP	13 25 22
	e	26 07
	eS	31 02
	e	32 13
WASH	iP	13 28 42
	eS	37 27
Aug. 16		
HH	eP	13 35 36
Aug. 16		
HH	e(P)	14 08 43
Aug. 16		
EUR	eP	15 19 02
Aug. 16		
BH	iP	15 50 34C
	iS	52 10
BC	eP	15 57 17
COL	eP	16 00 51

Date and Station		Phase (GCT) h m s
EUR	eP	15 57 40
HH	eP	15 58 17
RC	eP	15 57 19
SJ	eP	15 53 38
TUC	eP	15 56 43
Aug. 16		
COL	eP	17 21 28
Aug. 16		
EUR	eP	18 09 42
HH	eP	18 08 46
TUC	eP	18 09 57
	e	11 13
Aug. 16		
EUR	e(P)	18 18 54
Aug. 16		
EUR	eP	19 10 47
Aug. 16		
BC	ePP	19 30 52
	e	31 39
	e	32 42
BOZ	eP	19 27 26
BUT	eP	19 27 25
	ePP	31 10
COL	iP	19 25 57
	iPP	29 06
	e	30 08
	iS	36 02
	i	36 48
	eScS	38 08
	eSS	41 15
	ePP	44 40
	eSSS	45 01
	eL	50 30
	eP'P'	52 43
COLU	ePP	19 31 22
EUR	eP	19 27 55
HONO	e(P)	19 29 16
	e(S)	41 36
	e(PPS)	44 50
	eSS	50 46
	eSSS	55 04
	eL	20 03 26
HH	eP	19 27 14
	e(PP)	30 44
	ePP	31 07
	eS	38 27
	ePS	39 57
	ePKKP	44 01
	eP'P'	52 21
RC	iP	19 27 22

Date and Station		Phase (GCT) h m s
RC	ePP	19 31 22
	ePS	40 10
SIT	iP	19 26 44
	eS	37 39
TUC	eP'	19 32 06
	iPP	32 56
	e	42 27
	eL	51 16
WASH	eP	19 26 38
	ePP	30 19
	eS	37 23
Aug. 16		
COL	eP	21 27 33
Aug. 16		
COL	eP	22 37 53
EUR	eP	22 40 11
Aug. 16		
BOZ	eP	23 31 17
BUT	eP	23 31 25
	e	32 27
EUR	iP	23 31 50
	i	31 59
	iL	32 45
HH	eP	23 31 46
	eL	33 33
Aug. 16		
COL	eP	23 57 01
SIT	iP	23 52 36
Aug. 17		
BC	eP	02 14 23
COL	iP	02 15 01
EUR	iP	02 14 29
TUC	e(P)	02 13 14
	e	14 25
TUC-T	iP	02 14 26
	e	14 34
Aug. 17		
EUR	eP	03 33 35
HH	eP	03 34 11
RC	eP	03 33 13
SJ	eP	03 29 32
Aug. 17		
COL	iP	03 59 53
Aug. 17		
COL	iP	04 03 10

Date and Station		Phase (GCT) h m s
Aug. 17		
EUR	eP	04 35 12
Aug. 17		
EUR	eP	04 47 48
Aug. 17		
COL	eP	04 59 31
EUR	eP	04 59 59
HH	eP	04 59 04
TUC	eP	04 59 06
Aug. 17		
COL	eP	05 09 38
EUR	eP	05 10 34
Aug. 17		
EUR	eP	06 37 57
Aug. 17		
COL	eP	06 58 48
Aug. 17		
COL	eP	07 33 42
Aug. 17		
COL	iP	07 38 46
	e	39 35
EUR	eP	07 37 04
HH	iP	07 41 37
Aug. 17		
COL	iP	09 05 00
	eS	05 37
	iL	05 49
HH	eP	09 10 01
Aug. 17		
EUR	eP	09 14 18
Aug. 17		
BC	eP	09 17 02
BOZ	eP	09 16 32
	e	16 46
BUT	eP	09 16 22
	e	17 30
COL	iP	09 13 10
	iS	17 00
	iL	18 23
COLU	eP	09 19 32
EUR	iP	09 16 36
HONO	eP	09 15 14
	eS	20 32
	eL	23 18

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Date and Station		Phase (GCT)
		h m s
HH	iP	09 16 05
	i	16 34
	iPcP	18 16
	iS	22 08
KIP	eP	09 15 12
RC	eP	09 17 17
	iP	17 19
	eS	24 18
SLC	eP	09 16 53
SJ	eP	09 21 28
SIT	eP	09 13 58
TUC	eP	09 17 38
	i	17 52
	eL	31 48
TUC-T	iP	09 17 39
UK	iP	09 16 10
WASH	eP	09 19 21
Aug. 17		
BC	e(P)	10 59 06
BOZ	eP	10 58 38
BUT	eP	10 58 35
COL	eP	10 55 15
	eS	59 08
	eL	11 00 18
COLU	eP	11 01 38
EUR	iP	10 58 40
HH	iP	10 58 11
	ePcP	11 00 24
RC	eP	10 59 22
SIT	eP	10 56 03
	e	56 23
TUC	eP	10 59 43
TUC-T	e(P)	10 59 42
	i	59 47
Aug. 17		
BC	eP	11 24 37
BOZ	eP	11 24 09
COL	eP	11 20 46
	eS	24 44
	eL	25 56
COLU	eP	11 27 10
EUR	iP	11 24 13
HH	iP	11 23 41

Date and Station		Phase (GCT)
		h m s
HH	i	11 25 51
RC	eP	11 24 53
TUC	eP	11 25 14
	e	25 34
TUC-T	eP	11 25 14
Aug. 17		
COL	eP	11 42 40
	i	42 56
EUR	eP	11 46 09
HH	iP	11 45 36
	i	48 08
RC	eP	11 46 50
TUC	eP	11 47 20
TUC-T	e(P)	11 47 07
	e	47 20
Aug. 17		
COL	eP	12 24 52
	i	25 16
EUR	eP	12 28 18
HH	iP	12 27 49
	i	28 08
	iPcP	29 58
RC	e(P)	12 28 59
	e	29 17
TUC	eP	12 29 20
TUC-T	eP	12 29 23
	e	29 49
Aug. 17		
COL	eP	12 36 08
EUR	iP	12 36 05
TUC	eP	12 36 08
TUC-T	eP	12 36 08
Aug. 17		
EUR	eP	13 31 44
Aug. 17		
EUR	eP	16 07 57
TUC	iP	16 07 56
	e	09 43
TUC-T	iP	16 07 57
	e	09 40
	i	09 44
Aug. 17		
EUR	eP	17 33 12

Date and Station		Phase (GCT)
		h m s
Aug. 17		
BH	iP	18 20 31D
BOZ	e(P)	18 15 08
BUT	eP	18 15 06
COL	eP	18 13 34
	eS	23 52
	ePPS	25 44
	eSS	29 30
	eL	35 32
COLU	eP'	18 20 17
EUR	eP	18 14 50
HONO	eP	18 11 22
	eS	19 36
	iScS	21 40
	eL	28 00
HH	eP	18 14 55
KIP	eP	18 11 18
SJ	eP'	18 20 50
	i	20 55
TUC-T	e(P)	18 16 17
	ePP	19 28
WASH	ePP	18 22 25
Aug. 17		
EUR	eP	19 17 37
Aug. 17		
EUR	eP	19 35 43
Aug. 17		
EUR	iP	20 53 37
TUC	eP	20 52 27
TUC-T	eP	20 52 27
Aug. 17		
BC	eP	21 24 29
EUR	eP	21 24 35
	ePP	28 21
	ePKKP	41 19
HONO	eP	21 21 23
	eS	29 56
	eSS	34 10
	eL	39 40
HH	e(P)	21 24 57
	ePP	29 19
KIP	eP	21 21 23
	i	21 34
RC	ePP	21 29 43
	ePKKP	41 15
	e	45 11

Date and Station		Phase (GCT)
		h m s
TUC	iP	21 24 29
	ePKKP	42 09
TUC-T	iP	21 24 29
	i	24 50
	ePP	28 28
	ePKKP	42 08
UK	eP	21 24 17
Aug. 18		
EUR	eP	00 48 59
Aug. 18		
EUR	eP	01 07 20
Aug. 18		
EUR	eP	01 30 04
	i	31 17
Aug. 18		
COL	iP	03 21 01
	iS	21 12
	iL	21 20
Aug. 18		
HH	e(P)	03 50 15
Aug. 18		
EUR	eP	05 32 10
Aug. 18		
BC	eP	05 55 50
	e	56 21
EUR	iP	05 56 42
HH	iP	05 58 37
RC	eP	05 58 15
	e	06 04 39
	eL	09 28
TUC	eP	05 55 13
	e	55 19
	i	55 24
	i(S)	56 12
	eL	56 14
TUC-T	eP	05 55 14
	i	55 26
Aug. 18		
BOZ	e(P)	06 05 29
BUT	eP	06 04 36
EUR	eP	06 03 08
HH	eP	06 05 04
	eL	11 23
SLC	e(P)	06 03 33
TUC	eP	06 01 38
	i	01 44
	i	01 49
	e(S)	02 26

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Date and Station		Phase (GCT) h m s
TUC	iL	06 02 28
TUC-T	eP	06 01 39
	i	01 49
WASH	eL	06 17 31
Aug. 18		
BC	eP	06 45 37
	e	46 10
BOZ	eP	06 47 58
	e	48 31
BUT	eP	06 48 01
COL	eP	06 51 55
COLU	eP	06 50 05
EUR	iP	06 46 29
HH	eP	06 48 27
	i	49 14
	eL	54 30
RC	iP	06 48 05
	eL	52 57
SLC	eP	06 46 55
SJ	e(P)	06 52 28
	e	52 40
TUC	iP	06 45 04
	i	45 10
	i	45 16
TUC-T	iP	06 45 03
	i	45 17
Aug. 18		
COLU	eP	06 59 08
WASH	iP	07 00 55
	e	03 39
Aug. 18		
BH	iP	10 17 19C
	iS	17 53
BC	eP	10 24 54
BUT	eP	10 25 29
COL	eP	10 28 22
COLU	eP	10 22 23
EUR	iP	10 25 13
HH	iP	10 25 45
RC	eP	10 24 40
SJ	eP	10 20 19
	i	20 30
	eS	23 10

Date and Station		Phase (GCT) h m s
TUC	eP	10 24 12
	e	24 20
TUC-T	eP	10 24 12
	e	24 20
Aug. 18		
EUR	eP	12 01 06
Aug. 18		
EUR	eP	15 26 29
Aug. 18		
BOZ	e(P)	15 29 37
COL	eP	15 26 07
EUR	eP	15 29 38
HH	eP	15 29 11
	i	29 29
Aug. 18		
EUR	eP	18 03 13
Aug. 18		
HH	eP	18 13 00
Aug. 18		
EUR	e(P)	19 12 11
	i	12 24
	iL	13 15
Aug. 18		
EUR	iP	23 36 48
	ipP	37 33
HH	e(P)	23 37 20
SJ	eP	23 32 26
TUC	eP	23 35 51
TUC-T	eP	23 35 51
Aug. 19		
TUC	e(P)	01 52 40
	eL	57 34
TUC-T	e(P)	01 52 42
	eL	57 45
Aug. 19		
BC	eP	04 58 27
EUR	iP	04 58 32
HH	eP	04 58 45
SLC	eP	04 58 49
	e	59 16
TUC	eP	04 58 36
	eL	05 25 31
TUC-T	eP	04 58 36

Date and Station		Phase (GCT) h m s
Aug. 19		
EUR	eP	05 23 03
Aug. 19		
EUR	eP	07 39 39
Aug. 19		
BC	eP	12 29 25
	e(S)	29 50
	eL	30 03
EUR	eP	12 30 02
Aug. 19		
COL	eP	13 10 11
Aug. 19		
BC	eP	16 14 47
BOZ	eP	16 14 14
BUT	eP	16 14 04
COL	eP	16 10 52
COLU	eP	16 17 14
EUR	iP	16 14 17
HH	iP	16 13 46
	i	16 01
	e	19 45
RC	eP	16 14 55
SLC	eP	16 14 36
TUC	eP	16 15 18
	e	15 29
TUC-T	eP	16 15 18
	e	15 29
Aug. 19		
BC	eP	16 39 41
	e	40 00
BOZ	eP	16 39 09
BUT	eP	16 39 00
COL	e(P)	16 35 54
EUR	iP	16 39 19
	ipP	39 39
HH	iP	16 38 42
	i	39 09
	i	39 57
RC	iP	16 39 43
SLC	eP	16 39 29
TUC	eP	16 40 15
	e	40 32
TUC-T	eP	16 40 14
	e	40 33

Date and Station		Phase (GCT) h m s
Aug. 19		
EUR	eP	18 09 03
TUC-T	eP	18 08 15
Aug. 19		
BUT	eP	18 22 33
EUR	iP	18 22 43
HH	iP	18 22 22
TUC-T	eP	18 23 19
Aug. 19		
BOZ	eP	22 01 53
BUT	eP	22 01 45
COL	eP	22 00 19
	eS	10 16
	eScS	11 08
	e	12 05
	eSS	15 11
	eL	23 07
EUR	eP	22 01 32
HH	iP	22 01 38
	e	04 55
	ePP	05 39
TUC-T	eP	22 02 03
	e	05 55
	ePP	06 06
WASH	e(P')	22 08 11
	ePP	10 17
Aug. 19		
BOZ	eP	23 08 57
COL	eP	23 07 23
	i	07 27
	ipP	07 48
EUR	eP	23 08 36
HH	iP	23 08 39
Aug. 20		
BC	eP	01 20 04
COL	iP	01 20 29
EUR	iP	01 20 09
HH	iP	01 20 36
SLC	eP	01 20 25
TUC	iP	01 20 10
Aug. 20		
BH	i(SKKS)	04 05 43
	iPKKP	09 41
BC	eP	03 53 11

Date and Station		Phase (GCT)
		h m s
COL	iP	03 52 48
	ePP	56 11
	eS	04 03 14
	iPS	04 18
	e	08 25
	eL	15 40
EUR	eP	03 53 07
HONO	eP	03 49 04
	eS	56 20
	eL	04 01 36
HH	eP	03 53 27
	ePP	57 31
	e	58 18
	e(PPS)	04 06 18
	e	09 31
	eSS	11 29
	eSSS	14 29
	eP'P'	18 46
	eL	19 24
SJ	eP'	03 59 26
TUC	eP	03 53 22
	ePP	57 05
	e(S)	04 04 24
	ePPS	05 30
	eL	19 25
TUC-T	eP	03 53 17
	e	53 22
	i	53 56
WASH	eP'	04 00 26
Aug. 20		
COL	eP	05 13 07
EUR	eP	05 14 23
HH	eP	05 14 23
Aug. 20		
HH	eP	06 11 20
Aug. 20		
COL	iP	06 32 19
EUR	eP	06 35 23
HH	iP	06 34 45
Aug. 20		
HH	e(P)	07 00 51
Aug. 20		
HH	e(P)	08 20 05
Aug. 20		
BUT	eP	08 59 28
COL	eP	08 57 10
EUR	eP	08 59 38
HH	iP	08 59 17

Date and Station		Phase (GCT)
		h m s
Aug. 20		
COL	iP	09 26 07
	i	26 19
EUR	iP	09 29 55
HH	iP	09 29 17
	i	30 32
RC	iP	09 30 19
Aug. 20		
COL	eP	10 01 19
EUR	eP	10 01 44
Aug. 20		
EUR	eP	10 09 38
Aug. 20		
COL	iP	14 45 33
EUR	eP	14 43 57
Aug. 20		
COL	iP	16 05 49
EUR	iP	16 06 34
HH	e(P')	16 13 00
Aug. 20		
EUR	eP	16 50 40
Aug. 20		
EUR	eP	17 21 19
Aug. 20		
EUR	eP	17 43 34
Aug. 20		
COL	eP	17 52 40
EUR	eP	17 52 39
TUC-T	iP	17 52 43
Aug. 20		
HH	eP	19 27 32
	i(S)	27 43
	iL	27 48
Aug. 20		
COL	iP	21 48 31
EUR	iP	21 52 16
HH	e(P)	21 51 38
	e	52 48
RC	i(P)	21 52 39
TUC-T	eP	21 53 10
Aug. 20		
COL	iP	22 37 03
Aug. 20		
COL	eP	23 00 12

Date and Station		Phase (GCT)
		h m s
COL	i	23 01 04
EUR	eP	23 01 06
Aug. 21		
BC	iP	00 23 55
BOZ	eP	00 24 24
BUT	eP	00 24 26
	epP	25 47
EUR	iP	00 24 12
	i	24 50
	ipP	25 32
HH	iP	00 24 38
	ipP	26 07
RC	eP	00 23 53
	epP	25 15
SLC	eP	00 24 05
SJ	eP	00 19 48
	iPcP	21 56
TUC	iP	00 23 26
	i	23 51
	epP	24 48
TUC-T	iP	00 23 26
	ipP	24 45
Aug. 21		
BC	eP	01 21 30
BOZ	eP	01 22 12
BUT	eP	01 22 04
COL	iP	01 22 06
	i	22 18
	eS	33 14
EUR	iP	01 21 35
HH	eP	01 22 06
RC	eP	01 22 26
	e	22 35
SLC	eP	01 21 55
TUC	eP	01 21 33
	e	22 48
	eL	50 45
TUC-T	iP	01 21 33
Aug. 21		
EUR	eP	03 20 02
TUC-T	e(P)	03 21 03
	e	21 36
Aug. 21		
BC	eP	04 15 57

Date and Station		Phase (GCT)
		h m s
COL	iP	04 16 34
	i	16 45
EUR	eP	04 16 04
HH	eP	04 16 41
RC	e(P)	04 16 58
TUC	e(P)	04 15 59
	e	16 11
TUC-T	eP	04 15 59
	i	16 11
Aug. 21		
EUR	iP	08 39 07
	ipP	41 09
HH	iP	08 39 31
RC	eP	08 38 51
SJ	iP	08 35 06
TUC	eP	08 38 24
TUC-T	iP	08 38 24
Aug. 21		
COL	eP	12 03 48
EUR	eP	12 06 18
	ipP	07 59
HH	iP	12 06 01
	epP	07 40
TUC-T	eP	12 06 55
Aug. 21		
BC	eP	12 26 42
BUT	eP	12 26 02
COL	eP	12 22 47
EUR	iP	12 26 17
	i	26 34
HH	iP	12 25 45
	iPcP	28 21
	i	28 38
RC	eP	12 26 57
SIT	eP	12 23 30
TUC	eP	12 27 22
	i	27 39
TUC-T	eP	12 27 22
	ePP	29 15
UK	eP	12 25 48
Aug. 21		
HH	e(P)	12 59 14

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

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

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Date and Station		Phase	(GCT) h m s
Aug. 26			
EUR		eP	04 38 46
Aug. 26			
BUT		e(P)	05 12 03
COL		eP	05 09 17
EUR		iP	05 12 14
HH		iP	05 11 51
Aug. 26			
COL		iP	06 02 33
		i(S)	03 29
		iL	03 38
EUR		eP	06 07 30
HH		iP	06 06 34
		i	06 48
Aug. 26			
COL		eP	11 09 22
		e	10 13
EUR		iP	11 37 17
TUC		eP	11 37 17
Aug. 26			
BC		eP	12 33 43
COL		eP	12 33 26
EUR		iP	12 33 42
Aug. 26			
COL		iP	12 57 45
		i	58 03
EUR		iP	12 58 03
TUC		eP	12 58 16
Aug. 26			
EUR		eP	13 29 47
Aug. 26			
BUT		eP	13 47 43
		e	47 49
EUR		eP	13 47 23
HH		iP	13 47 41
SLC		eP	13 47 37
		e	47 42
Aug. 26			
EUR		iP'	14 59 34
		e	15 00 18
HH		iP'	14 59 26
Aug. 26			
HH		e(P)	15 09 47
Aug. 26			
HH		eP	15 35 21
Aug. 26			
COL		eP	16 10 17
EUR		iP	16 10 39
		ipP	11 13
HH		eP	16 10 56
		epP	11 29
TUC-T		eP	16 11 24
Aug. 26			
COL		iP	18 08 17
EUR		iP	18 08 35
HH		eP	18 08 51
TUC		e(P)	18 09 09
		eL	37 25
TUC-T		eP	18 08 44
Aug. 26			
EUR		eP	20 01 21
Aug. 26			
COL		eP	23 36 02
EUR		iP	23 36 19
TUC		eP	23 36 30
TUC-T		eP	23 36 30
Aug. 26			
BC		eP	23 44 38
		ePP	48 07
COL		eP	23 44 19
EUR		eP	23 44 40
		i	44 57
		i	45 49
TUC		eP	23 44 50
		eL	00 11 44
TUC-T		eP	23 44 50
		e	45 16
Aug. 26			
COL		eP	23 47 55
EUR		eP	23 48 09
Aug. 26			
EUR		eP	23 54 51
Aug. 26			
COL		eP	23 57 50
EUR		eP	23 58 09
TUC-T		eP	23 58 20
Aug. 27			
COL		eP	00 56 01
EUR		eP	00 56 21
Aug. 27			
COL		eP	01 02 25
EUR		eP	01 02 43
TUC		eP	01 02 53
TUC-T		eP	01 02 54
Aug. 27			
EUR		eP	01 27 24
RC		e(P)	01 31 16
Aug. 27			
COL		eP	02 25 57
		e	26 26
EUR		iP	02 26 39
		i	27 08
Aug. 27			
BC		eP	02 31 26
		e	33 20
BOZ		eP	02 34 30
COL		eP	02 37 21
EUR		iP	02 33 50
HH		iP	02 34 52
RC		eP	02 34 20
SLC		eP	02 33 55
SJ		eP	02 33 45
TUC		e(P)	02 32 53
		eL	41 17
TUC-T		eP	02 3[illegible] 49
Aug. 27			
RC		e(P)	03 07 17
Aug. 27			
RC		eP	03 28 29
		e	29 37
Aug. 27			
COL		eP	05 15 18
EUR		eP	05 15 38
Aug. 27			
BUT		eP	13 18 27
COL		iP	13 14 59
EUR		iP	13 18 46
HH		iP	13 18 10
		iPcP	19 24
		e	23 15
RC		iP	13 19 11
		i	19 24
SLC		eP	13 18 57
TUC		iP	13 19 41
TUC-T		iP	13 19 41
Aug. 27			
RC		eP	13 47 54
Aug. 27			
BC		eP	15 30 03
BOZ		eP	15 29 20
		e	30 03
BUT		eP	15 29 21
		e	30 33
COL		eP	15 28 30
		ePP	31 44
		iS	38 24
		e	39 47
		e	42 14
		eSS	43 40
		eL	48 02
COLU		iP	15 28 35
EUR		iP	15 29 52
		ePKKP	47 25
HH		iP	15 29 13
		i	37 49
		eS	39 26
		ePKKP	47 19
		eP'P'	55 09
RC		iP	15 29 08
SLC		eP	15 29 39
		e	30 12
SJ		iP	15 28 25
SIT		eP	15 29 05
TUC		eP	15 30 10
		eL	16 03 34
TUC-T		iP	15 30 08
Aug. 27			
EUR		eP	15 53 44
TUC-T		eP	15 55 01
Aug. 27			
HH		e(P)	16 15 12
Aug. 27			
COL		iP	18 51 18

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Date and Station		Phase (GCT)
		h m s
EUR	iP	18 54 40
Aug. 27		
EUR	iP	18 55 53
Aug. 27		
EUR	eP	20 48 04
Aug. 27		
COL	iP	22 11 11
	i	12 04
Aug. 28		
COL	eP	03 43 57
Aug. 28		
COL	eP	04 14 51
EUR	iP	04 17 48
HH	iP	04 17 26
TUC	eP	04 18 30
TUC-T	eP	04 18 31
	e	18 44
Aug. 28		
EUR	eP	06 20 29
Aug. 28		
COL	eP	07 58 08
	e	58 46
EUR	iP	07 54 17
BC	iP	07 55 06
Aug. 27		
BUT	eP	08 02 31
COL	eP	08 08 00
	e	08 37
EUR	eP	08 02 17
HH	iP	08 02 29
SLC	eP	08 02 25
TUC	eP	08 03 05
TUC-T	e(P)	08 02 58
	e	03 04
Aug. 28		
EUR	eP	08 04 10
Aug. 28		
COL	eP	08 15 14
Aug. 28		
BC	eP	09 48 24
BOZ	eP	09 48 57
BUT	iP	09 49 00
EUR	iP	09 48 42

Date and Station		Phase (GCT)
		h m s
EUR	i	09 49 24
	ePKKP	10 06 38
HH	iP	09 49 11
RC	iP	09 48 35
SLC	eP	09 48 37
SJ	eP	09 45 15
TUC	iP	09 47 57
TUC-T	iP	09 47 57
Aug. 28		
HH	e(P)	12 13 43
Aug. 28		
EUR	iP	14 41 58
Aug. 28		
BOZ	e(P)	17 29 56
EUR	iP	17 29 58
HH	iP	17 30 21
RC	eP	17 29 15
SLC	eP	17 30 13
TUC	e(P)	17 29 05
	e	31 54
	e	33 29
TUC-T	e(P)	17 31 54
	i	33 27
Aug. 28		
HH	eP	18 06 42
Aug. 28		
BC	eP	18 23 43
	e	24 08
BOZ	eP	18 23 13
BUT	e(P)	18 23 05
COL	iP	18 19 47
	eS	23 04
	eL	24 55
EUR	iP	18 23 18
	i	23 39
HH	iP	18 22 45
	iPcP	25 16
	i	25 39
RC	eP	18 23 57
	e	24 09
SJ	eP	18 28 21
SIT	eP	18 20 31
TUC	iP	18 24 22

Date and Station		Phase (GCT)
		h m s
TUC	e	18 24 49
TUC-T	iP	18 24 22
	e	24 33
Aug. 28		
EUR	eP	18 29 10
SJ	eP	18 23 38
	eS	25 39
Aug. 28		
HH	e(P)	19 31 37
Aug. 28		
COL	eP	19 32 41
EUR	iP	19 36 05
HH	iP	19 35 34
TUC-T	eP	19 37 16
Aug. 28		
TUC	eP	20 08 04
Aug. 28		
EUR	eP	22 52 53
	i	53 28
Aug. 29		
EUR	eP	01 23 30
Aug. 29		
COL	eP	02 28 50
Aug. 29		
COL	iP	02 35 21
EUR	eP	02 32 02
HH	iP	02 31 33
Aug. 29		
COL	eP	02 38 34
EUR	eP	02 35 01
RC	eP	02 35 49
TUC	eP	02 35 04
TUC-T	eP	02 35 04
Aug. 29		
HH	i(P)	04 49 52
TUC-T	e(P)	04 49 33
Aug. 29		
HH	e(P)	05 56 48
Aug. 29		
BC	e(P)	08 26 05
	e	26 28
EUR	eP	08 26 30

Date and Station		Phase (GCT)
		h m s
TUC	e(P)	08 25 03
	i	25 16
	e(S)	25 59
	eL	26 01
TUC-T	e(P)	08 25 05
	i	25 16
	eL	26 06
Aug. 29		
HH	eP	08 32 45
Aug. 29		
EUR	eP	11 08 00
Aug. 29		
BC	e(P)	12 37 36
COL	iP	12 37 07
	eS	47 43
	eL	13 01 32
EUR	iP	12 37 26
TUC	eP	12 37 41
	e	37 49
	eL	13 06 08
TUC-T	eP	12 37 38
	e	37 49
	ePP	41 17
Aug. 29		
COL	iP	13 04 39
EUR	eP	13 04 57
Aug. 29		
COL	iP	13 07 19
Aug. 29		
COL	e(P)	14 09 41
	i	11 22
Aug. 29		
BUT	e(P)	18 28 04
COL	eP	18 24 07
EUR	eP	18 27 32
HH	eP	18 27 04
RC	eP	18 28 13
TUC-T	eP	18 28 34
	e	28 38
Aug. 29		
RC	eP	18 47 42
Aug. 29		
EUR	eP	20 24 30
Aug. 29		
HH	e(P)	21 44 17

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Date and Station		Phase	(GCT) h m s
Aug. 29			
EUR		eP	23 15 59
Aug. 30			
EUR		e(P)	00 15 13
Aug. 30			
COL		eP	02 34 05
EUR		eP	02 37 30
Aug. 30			
COL		iP	03 43 49
Aug. 30			
EUR		eP	03 55 53
Aug. 30			
COL		eP	07 17 49
Aug. 30			
COL		eP	07 47 41
		i	47 47
HH		iP	07 48 23
Aug. 30			
BOZ		iP	11 08 42
		e(S)	08 55
		eL	09 09
EUR		e(P)	11 10 46
		eL	12 21
HH		iP	11 09 12
		iS	09 50
		iL	09 57
Aug. 30			
BOZ		e(P)	11 39 21
HH		iP	11 39 55
		e(S)	40 25
		iL	40 31
Aug. 30			
COL		eP	12 18 03
Aug. 30			
COL		eP	12 34 21
EUR		eP	12 38 02
HH		eP	12 36 57
Aug. 30			
COL		eP	12 43 32
EUR		iP	12 41 12
HH		iP	12 41 39
TUC		eP	12 41 14
		e	43 13
TUC-T		iP	12 41 15
		e	43 15

Date and Station		Phase	(GCT) h m s
Aug. 30			
COL		iP	13 46 58
EUR		iP	13 47 57
HH		eP	13 48 00
KIP		eP	13 45 10
TUC		eP	13 48 48
TUC-T		iP	13 48 50
		e	50 52
Aug. 30			
COL		eP	14 43 39
EUR		eP	14 44 58
HH		e(P)	14 45 18
Aug. 30			
HH		eP	15 09 28
Aug. 30			
COL		eP	16 15 25
EUR		eP	16 18 54
HH		eP	16 18 22
		i	20 30
UK		e(P)	16 22 00
Aug. 30			
EUR		e(P)	16 23 06
Aug. 30			
EUR		eP	16 45 20
		iL	46 44
Aug. 30			
SJ		eP	17 59 47
Aug. 30			
BC		e(P)	18 40 31
		e	40 48
		eL	42 32
BOZ		eP	18 42 35
		e	43 34
		e	44 11
BUT		eP	18 42 40
		e	42 50
		eL	49 10
COL		eP	18 46 26
COLU		eP	18 44 10
EUR		iP	18 41 20
		iL	44 35
HONO		eP	18 46 12
		eS	52 46
		eL	57 20

Date and Station		Phase	(GCT) h m s
HH		eP	18 43 02
		e(S)	47 05
		iL	49 43
SLC		eP	18 41 32
		e	42 10
		eL	45 05
TUC		eP	18 39 27
		i	39 33
TUC-T		eP	18 39 29
		i	39 34
UK		eP	18 41 56
		eL	45 35
WASH		e(P)	18 45 48
		e	49 30
		eL	54 43
Aug. 30			
COLU		e(P)	21 04 59
Aug. 30			
EUR		e(P)	21 49 52
Aug. 30			
EUR		eP	23 39 31
Aug. 30			
COL		iP	23 49 42
Aug. 31			
EUR		e(P)	02 07 07
Aug. 31			
COL		iP	02 46 37
EUR		eP	02 49 46
HH		iP	02 49 18
Aug. 31			
COL		iP	03 27 18
EUR		eP	03 28 48
Aug. 31			
HH		iP	05 03 48
Aug. 31			
TUC		e(P)	05 52 06
TUC-T		eP	05 52 01
Aug. 31			
BUT		eP	06 04 50
HH		iP	06 03 16
		eS	04 14
		iL	04 35
Aug. 31			
COL		iP	06 43 44
EUR		iP	06 47 24

Date and Station		Phase	(GCT) h m s
HH		iP	06 46 50
TUC		iP	06 48 18
TUC-T		eP	06 48 18
Aug. 31			
COL		eP	07 26 44
EUR		eP	07 30 12
Aug. 31			
BC		eP	08 38 52
EUR		eP	08 37 20
		e	40 49
TUC		eP	08 35 27
		e	35 45
		eS	36 39
		eL	36 41
TUC-T		eP	08 35 30
		e	35 51
		eL	36 42
Aug. 31			
COL		eP	09 30 49
HH		e(P)	09 38 18
Aug. 31			
COL		iP	15 25 10
		iS	25 27
		iL	25 32
COLU		eP	15 33 38
EUR		eP	15 31 01
HH		eP	15 30 00
		eL	37 15
TUC-T		eP	15 32 13
Aug. 31			
EUR		eP	15 32 56
Aug. 31			
COL		iP	16 32 24
		e	32 48
EUR		eP	16 32 49
Aug. 31			
EUR		eP	20 19 25
		i	19 45
Aug. 31			
EUR		eP	21 50 29
Aug. 31			
COL		iP	22 23 10
Aug. 31			
BC		eP	23 06 51
		e	07 28

Date and Station		Phase (GCT)
		h m s
BOZ	eP	23 05 48
	e	07 10
BUT	eP	23 05 39
	e	06 01
COL	iP	23 00 54
	iS	01 20
	iL	01 32
COLU	eP	23 08 58
EUR	iP	23 06 19
	i	09 26
HONO	eP	23 08 17
	eS	14 44
	eL	18 14
HH	iP	23 05 15
	e	06 20
	eL	11 54
	iP' P'	40 15
KIP	eP	23 08 17
SLC	eP	23 06 22
	ePcP	08 35
	eL	16 08
SJ	iP	23 11 18
SIT	eP	23 02 10
	eS	04 04
	eL	04 15
TUC	iP	23 07 32
	e	09 09
	eScS	17 54
	eL	20 43
TUC-T	iP	23 07 31
	e	09 07
	eL	20 46
UK	eP	23 06 12
WASH	iP	23 08 29
	iPP	10 24
	e(S)	15 27
	eL	20 50
Aug. 31		
COL	eP	23 32 53
Aug. 31		
BC	eP	23 39 39
	e	39 48
BOZ	eP	23 40 18
COL	eP	23 40 17
EUR	iP	23 39 46
	i	39 56
SLC	eP	23 40 02

Date and Station		Phase (GCT)
		h m s
TUC	iP	23 39 42
TUC-T	iP	23 39 43
	e	40 12

Local and Minor Earthquakes

Date and Station	Phase (GCT)
Aug. BUT	
3	04.6
Aug. COL	
3	05.0
4	21.1
5	08.0
	15.9
	07.5
6	08.2
7	09.4
8	20.4
9	22.8
10	20.4
12	08.6
	23.7
13	07.7
23	10.2
24	06.3
25	17.6
27	10.7
	20.1
28	07.5
Aug. EUR	
3	16.5
	17.5
4	05.7
6	22.6
16	23.5
31	20.8
Aug. HONO	
7	01.9
15	00.2
31	02.3
Aug. KIP	
15	00.2
Aug. SJ	
8	22.3
9	14.5
12	19.2
13	07.1
17	15.3
19	10.1
23	20.8
26	14.7
27	07.6
	19.6
28	04.1
	06.8
31	09.5

Date and Station	Phase (GCT)
Aug. SIT	h m s
1	19.8
3	04.2
	09.5
6	20.5
12	05.5
26	23.8
27	05.3
Aug. TUC	
8	05.8
9	11.4
10	08.9
12	18.0
16	04.5
	06.6
	10.9
18	05.7
	05.8
	06.7
	07.0
	07.1
	07.3
	07.4
	07.5
	08.0
	09.4
	17.6
19	05.9
	12.5
	21.0
21	07.7
22	09.0
	09.0
	23.2
23	00.1
	00.2
	00.3
	00.9
	01.3
	05.3
	11.8
	13.1
	14.0
	14.1
	14.3
24	13.2
25	11.4
	11.5
	11.7
	13.7
	14.4
	14.7
	14.8
	14.9
	15.4
	18.0
	18.1
	22.1
	22.2
	23.7
26	04.0
	08.4
	08.8
	10.4
	10.5
	12.0

Date and Station	Phase (GCT)
Aug. TUC	h m s
27	02.0
	02.4
	02.5
29	01.3
	01.9
	02.1
	09.7
	13.7
30	19.1
	20.6
	22.5
31	00.3
	01.8
	02.7
	05.3
	06.7
	10.4
	14.1
	15.7
	16.8
	20.8
	23.9
Aug. UK	
2	21.7
3	09.0
4	07.8
8	18.6
	23.6
12	23.5
21	17.1
	23.6
26	06.7
	16.0
29	22.0
30	16.7

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